

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD103023\  
 Data File : VD077448.D  
 Acq On : 30 Oct 2023 15:33  
 Operator : JC/SY  
 Sample : 04699-01 2.5ppb  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2023

Quant Time: Oct 31 04:27:42 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D103023S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 31 04:19:17 2023  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 10/31/2023  
 Supervised By : Mahesh Dadoda 10/31/2023

| Compound                     | R.T.           | QIon | Response   | Conc     | Units | Dev(Min) |
|------------------------------|----------------|------|------------|----------|-------|----------|
| -----                        |                |      |            |          |       |          |
| Internal Standards           |                |      |            |          |       |          |
| 1) Pentafluorobenzene        | 7.875          | 168  | 311574     | 50.000   | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene      | 8.775          | 114  | 542111     | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 11.581         | 117  | 475442     | 50.000   | ug/l  | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4   | 13.516         | 152  | 215629     | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds  |                |      |            |          |       |          |
| 33) 1,2-Dichloroethane-d4    | 8.228          | 65   | 214161     | 48.609   | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 97.220%  |       |          |
| 35) Dibromofluoromethane     | 7.811          | 113  | 185470     | 49.500   | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 99.000%  |       |          |
| 50) Toluene-d8               | 10.269         | 98   | 733724     | 50.415   | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = | 100.820% |       |          |
| 62) 4-Bromofluorobenzene     | 12.575         | 95   | 244007     | 49.779   | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = | 99.560%  |       |          |
| Target Compounds             |                |      |            |          |       |          |
|                              |                |      |            |          |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.934          | 85   | 5322       | 2.118    | ug/l  | 93       |
| 3) Chloromethane             | 2.146          | 50   | 8578       | 2.151    | ug/l  | # 85     |
| 4) Vinyl Chloride            | 2.281          | 62   | 8256       | 2.123    | ug/l  | 96       |
| 5) Bromomethane              | 2.693          | 94   | 6003m      | 2.945    | ug/l  |          |
| 6) Chloroethane              | 2.846          | 64   | 5952       | 2.273    | ug/l  | # 88     |
| 7) Trichlorofluoromethane    | 3.181          | 101  | 11878      | 2.181    | ug/l  | # 83     |
| 8) Diethyl Ether             | 3.599          | 74   | 4489       | 2.293    | ug/l  | # 32     |
| 9) 1,1,2-Trichlorotrifluo... | 3.964          | 101  | 6945       | 2.112    | ug/l  | # 85     |
| 10) Methyl Iodide            | 4.158          | 142  | 7236       | 4.781    | ug/l  | # 82     |
| 11) Tert butyl alcohol       | 5.040          | 59   | 7693       | 22.043   | ug/l  | # 87     |
| 12) 1,1-Dichloroethene       | 3.946          | 96   | 6566       | 2.109    | ug/l  | # 82     |
| 13) Acrolein                 | 3.793          | 56   | 5963       | 12.957   | ug/l  | 83       |
| 14) Allyl chloride           | 4.564          | 41   | 14974      | 1.994    | ug/l  | # 82     |
| 15) Acrylonitrile            | 5.258          | 53   | 12296      | 11.617   | ug/l  | 95       |
| 16) Acetone                  | 4.028          | 43   | 13629      | 11.690   | ug/l  | # 80     |
| 17) Carbon Disulfide         | 4.275          | 76   | 14054      | 5.110    | ug/l  | 96       |
| 18) Methyl Acetate           | 4.564          | 43   | 9827       | 2.311    | ug/l  | # 78     |
| 19) Methyl tert-butyl Ether  | 5.322          | 73   | 22168      | 2.269    | ug/l  | # 88     |
| 20) Methylene Chloride       | 4.805          | 84   | 70307      | 14.316   | ug/l  | # 66     |
| 21) trans-1,2-Dichloroethene | 5.311          | 96   | 7687       | 2.120    | ug/l  | # 60     |
| 22) Diisopropyl ether        | 6.222          | 45   | 36426      | 2.282    | ug/l  | # 84     |
| 23) Vinyl Acetate            | 6.152          | 43   | 76177m     | 11.063   | ug/l  |          |
| 24) 1,1-Dichloroethane       | 6.111          | 63   | 17901      | 2.161    | ug/l  | 96       |
| 25) 2-Butanone               | 7.081          | 43   | 22396      | 14.402   | ug/l  | # 63     |
| 26) 2,2-Dichloropropane      | 7.075          | 77   | 22579      | 3.076    | ug/l  | # 64     |
| 27) cis-1,2-Dichloroethene   | 7.081          | 96   | 10242      | 2.280    | ug/l  | 49       |
| 28) Bromochloromethane       | 7.422          | 49   | 5808       | 3.587    | ug/l  | # 51     |
| 29) Tetrahydrofuran          | 7.452          | 42   | 9400       | 10.192   | ug/l  | # 75     |
| 30) Chloroform               | 7.593          | 83   | 17456      | 2.257    | ug/l  | 87       |
| 31) Cyclohexane              | 7.875          | 56   | 21854      | 3.173    | ug/l  | # 78     |
| 32) 1,1,1-Trichloroethane    | 7.793          | 97   | 13319      | 2.090    | ug/l  | # 94     |
| 36) 1,1-Dichloropropene      | 8.005          | 75   | 11484      | 2.067    | ug/l  | 90       |
| 37) Ethyl Acetate            | 7.169          | 43   | 7613m      | 2.388    | ug/l  |          |
| 38) Carbon Tetrachloride     | 7.999          | 117  | 11338      | 2.166    | ug/l  | 97       |
| 39) Methylcyclohexane        | 9.275          | 83   | 13041      | 2.057    | ug/l  | # 77     |
| 40) Benzene                  | 8.252          | 78   | 34018      | 2.147    | ug/l  | 92       |

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 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2023

Quant Time: Oct 31 04:27:42 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D103023S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 31 04:19:17 2023  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 10/31/2023  
 Supervised By : Mahesh Dadoda 10/31/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 7.393  | 41   | 4190m    | 2.054  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.328  | 62   | 11489    | 2.290  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 8.363  | 43   | 14842    | 2.256  | ug/l # | 82       |
| 44) Trichloroethene           | 9.028  | 130  | 8562     | 2.207  | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 9.305  | 63   | 10641    | 2.282  | ug/l   | 93       |
| 46) Dibromomethane            | 9.393  | 93   | 5101     | 2.273  | ug/l   | 89       |
| 47) Bromodichloromethane      | 9.581  | 83   | 13241    | 2.232  | ug/l # | 93       |
| 48) Methyl methacrylate       | 9.387  | 41   | 5846     | 1.861  | ug/l # | 68       |
| 49) 1,4-Dioxane               | 9.387  | 88   | 1173     | 48.639 | ug/l # | 69       |
| 51) 4-Methyl-2-Pentanone      | 10.163 | 43   | 36888    | 11.391 | ug/l # | 80       |
| 52) Toluene                   | 10.334 | 92   | 20342    | 2.106  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.552 | 75   | 14386    | 2.290  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 16213    | 2.243  | ug/l # | 71       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 7308     | 2.441  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.599 | 69   | 10034    | 2.254  | ug/l # | 57       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 12599    | 2.251  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 20650    | 9.265  | ug/l # | 80       |
| 59) 2-Hexanone                | 10.922 | 43   | 27614    | 11.575 | ug/l   | 80       |
| 60) Dibromochloromethane      | 11.075 | 129  | 8842     | 2.456  | ug/l   | 93       |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 6110     | 2.155  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.804 | 164  | 6394     | 2.112  | ug/l # | 83       |
| 65) Chlorobenzene             | 11.604 | 112  | 22876    | 2.297  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 8240     | 2.189  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.687 | 91   | 42175    | 2.201  | ug/l   | 96       |
| 68) m/p-Xylenes               | 11.793 | 106  | 29837    | 4.311  | ug/l   | 75       |
| 69) o-Xylene                  | 12.122 | 106  | 15364    | 2.318  | ug/l   | 79       |
| 70) Styrene                   | 12.134 | 104  | 26307    | 2.300  | ug/l # | 89       |
| 71) Bromoform                 | 12.304 | 173  | 4648     | 2.227  | ug/l # | 93       |
| 73) Isopropylbenzene          | 12.422 | 105  | 38412    | 2.185  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.240 | 43   | 13587    | 2.182  | ug/l # | 84       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 7913     | 2.296  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.722 | 75   | 5239m    | 1.996  | ug/l   |          |
| 77) Bromobenzene              | 12.704 | 156  | 9034     | 2.335  | ug/l   | 62       |
| 78) n-propylbenzene           | 12.763 | 91   | 51128    | 2.290  | ug/l   | 94       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 31146    | 2.464  | ug/l   | 86       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 35723    | 2.422  | ug/l   | 86       |
| 82) 4-Chlorotoluene           | 12.951 | 91   | 30265    | 2.299  | ug/l   | 90       |
| 83) tert-Butylbenzene         | 13.163 | 119  | 28897    | 2.330  | ug/l   | 90       |
| 84) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 34161    | 2.331  | ug/l   | 91       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 43349    | 2.284  | ug/l   | 94       |
| 86) p-Isopropyltoluene        | 13.463 | 119  | 33887    | 2.197  | ug/l   | 90       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 18272    | 2.402  | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene       | 13.540 | 146  | 18475m   | 2.431  | ug/l   |          |
| 89) n-Butylbenzene            | 13.787 | 91   | 38559    | 2.405  | ug/l   | 95       |
| 90) Hexachloroethane          | 14.057 | 117  | 7354     | 2.330  | ug/l   | 91       |
| 91) 1,2-Dichlorobenzene       | 13.834 | 146  | 15695    | 2.348  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.451 | 75   | 1640     | 2.825  | ug/l   | 80       |
| 93) 1,2,4-Trichlorobenzene    | 15.098 | 180  | 11215    | 2.442  | ug/l   | 95       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 5501     | 2.221  | ug/l   | 97       |
| 95) Naphthalene               | 15.334 | 128  | 24115    | 2.753  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 9103     | 2.296  | ug/l   | 92       |

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Sample : 04699-01 2.5ppb  
Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2023

Manual Integrations  
APPROVED

Reviewed By :John Carlone 10/31/2023  
Supervised By :Mahesh Dadoda 10/31/2023

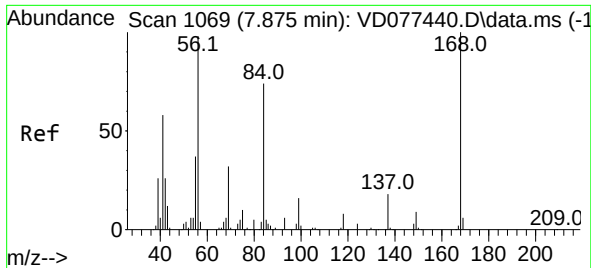
Quant Time: Oct 31 04:27:42 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D103023S.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 31 04:19:17 2023  
Response via : Initial Calibration

| Compound                                                             | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                |      |      |          |      |       |          |
| (#)=qualifier out of range (m)=manual integration (+)=signals summed |      |      |          |      |       |          |

## Manual Integrations

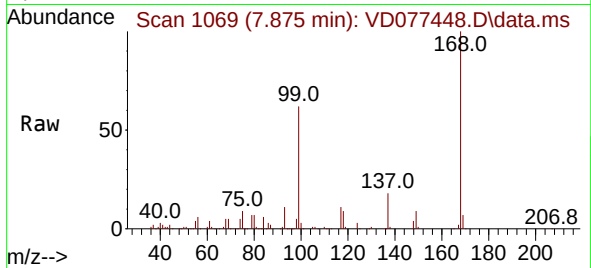
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D103023S.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 31 04:19:17 2023  
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#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

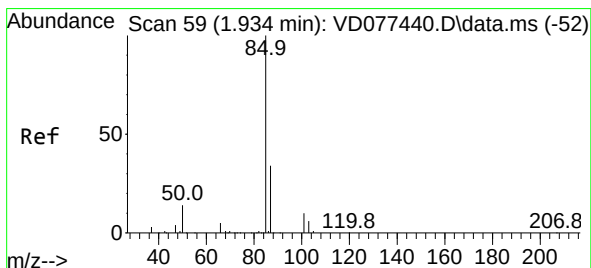
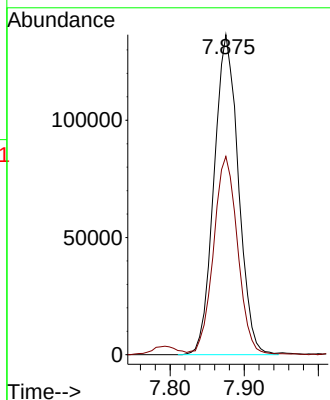
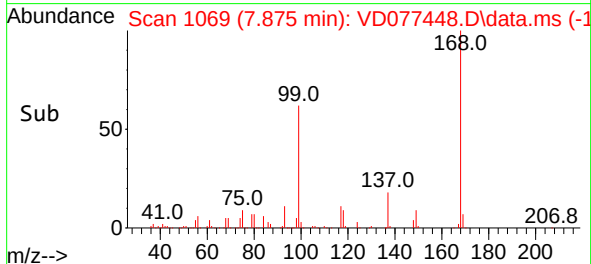
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2023



Tgt Ion:168 Resp: 311574  
Ion Ratio Lower Upper  
168 100  
99 61.6 36.7 55.1

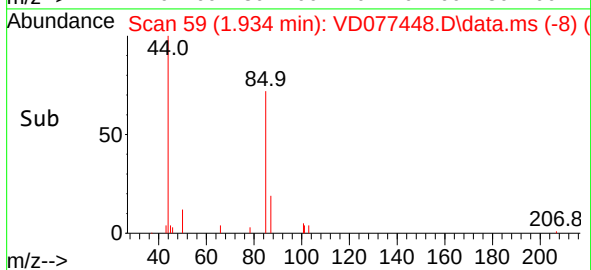
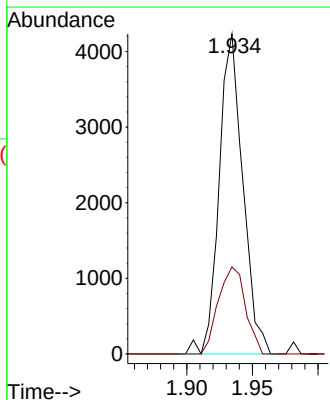
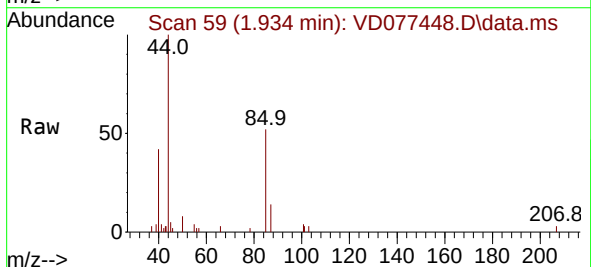
Manual Integrations  
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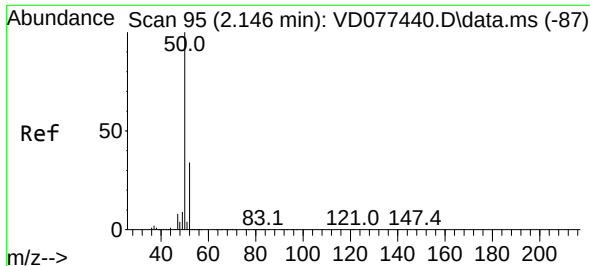
Reviewed By :John Carlone 10/31/2023  
Supervised By :Mahesh Dadoda 10/31/2023



#2  
Dichlorodifluoromethane  
Concen: 2.118 ug/l  
RT: 1.934 min Scan# 59  
Delta R.T. 0.000 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

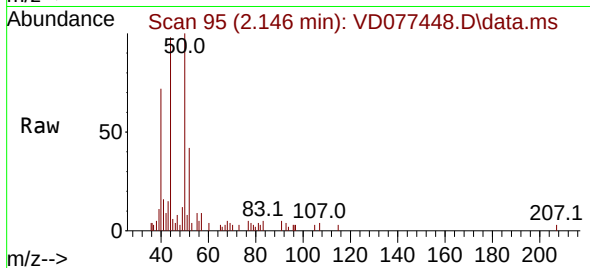
Tgt Ion: 85 Resp: 5322  
Ion Ratio Lower Upper  
85 100  
87 27.2 15.7 47.0





#3  
Chloromethane  
Concen: 2.151 ug/l  
RT: 2.146 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

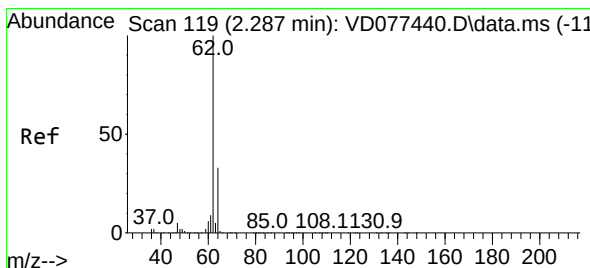
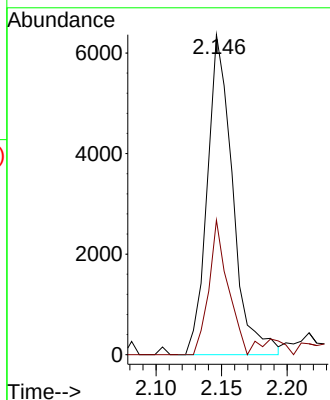
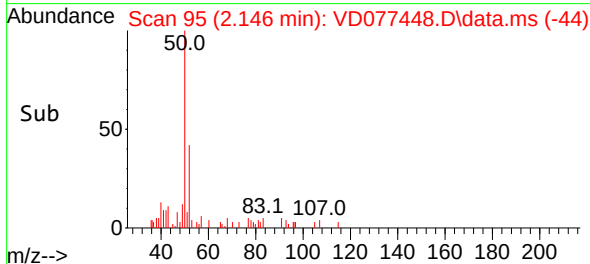
Instrument :  
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ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2023



Tgt Ion: 50 Resp: 8578  
Ion Ratio Lower Upper  
50 100  
52 42.1 26.6 40.0

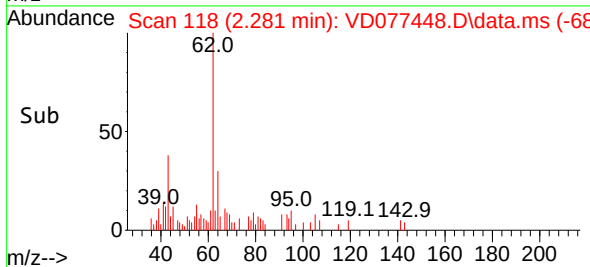
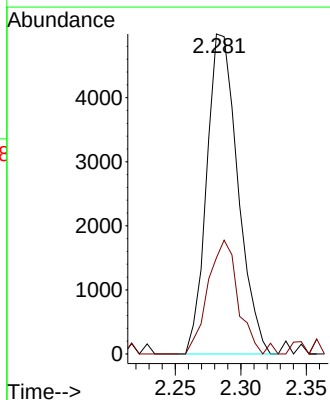
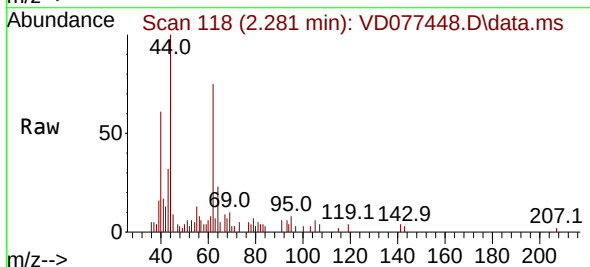
Manual Integrations  
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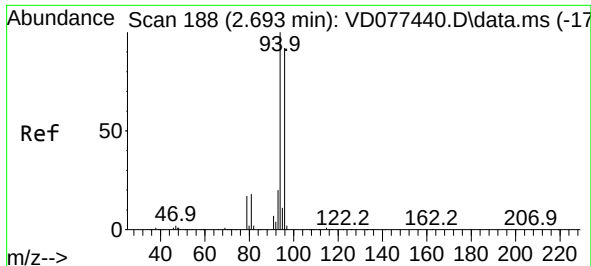
Reviewed By :John Carlone 10/31/2023  
Supervised By :Mahesh Dadoda 10/31/2023



#4  
Vinyl Chloride  
Concen: 2.123 ug/l  
RT: 2.281 min Scan# 118  
Delta R.T. -0.006 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

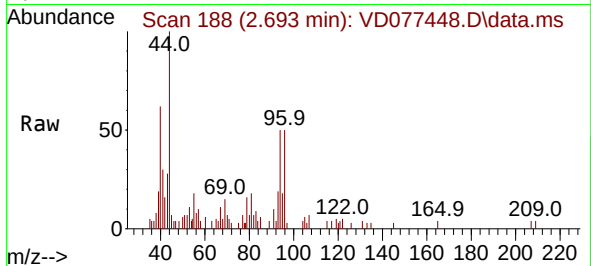
Tgt Ion: 62 Resp: 8256  
Ion Ratio Lower Upper  
62 100  
64 30.1 26.0 39.0





#5  
Bromomethane  
Concen: 2.945 ug/l m  
RT: 2.693 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

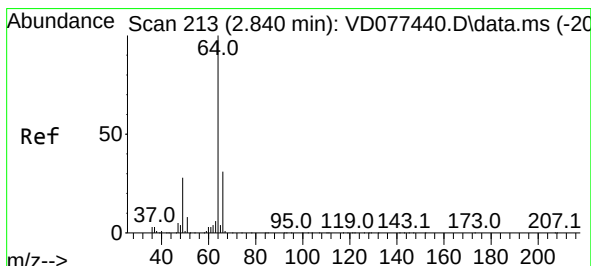
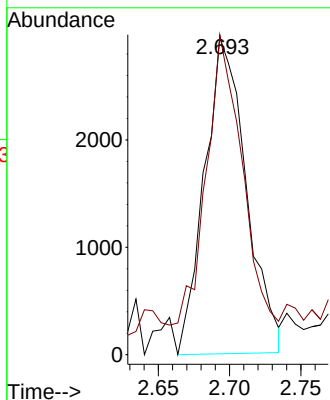
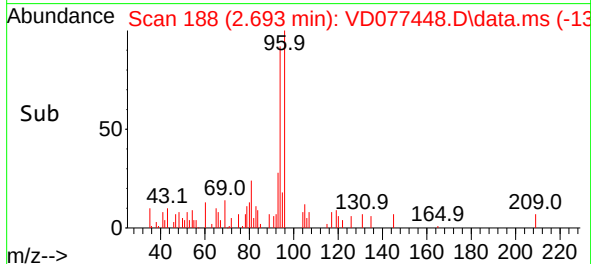
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2023



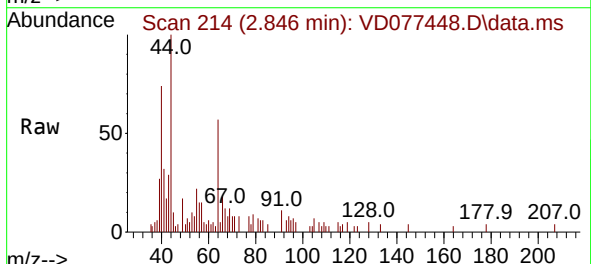
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Ion Ratio Lower Upper  
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96 78.7 75.8 113.8

Manual Integrations  
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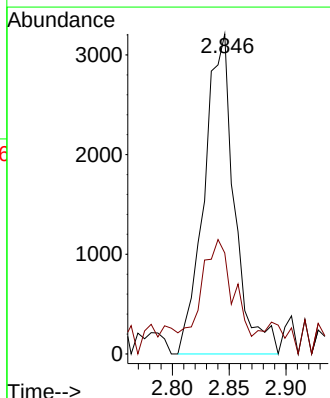
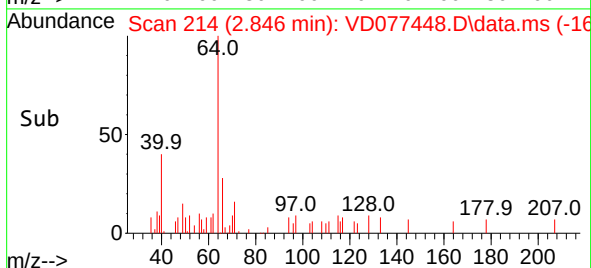
Reviewed By :John Carlone 10/31/2023  
Supervised By :Mahesh Dadoda 10/31/2023

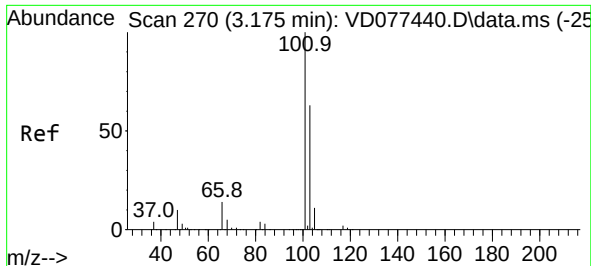


#6  
Chloroethane  
Concen: 2.273 ug/l  
RT: 2.846 min Scan# 214  
Delta R.T. 0.006 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33



Tgt Ion: 64 Resp: 5952  
Ion Ratio Lower Upper  
64 100  
66 25.0 25.5 38.3#





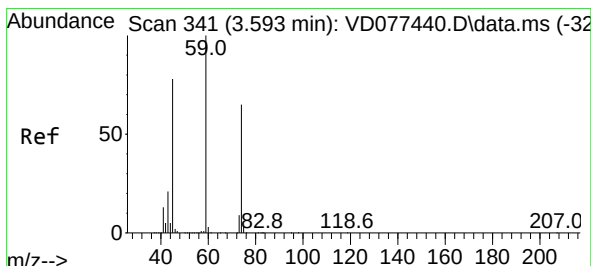
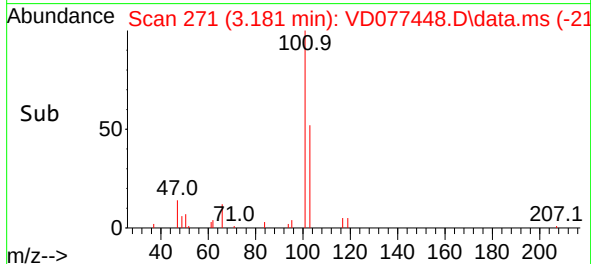
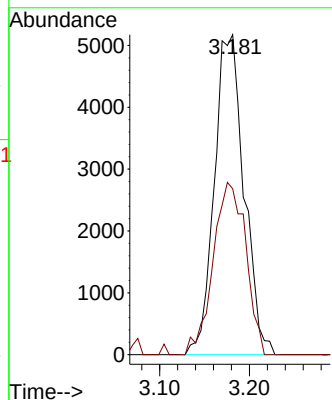
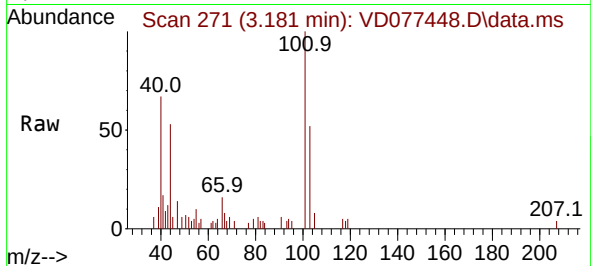
#7  
Trichlorofluoromethane  
Concen: 2.181 ug/l  
RT: 3.181 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:101 Resp: 11878  
Ion Ratio Lower Upper  
101 100  
103 51.8 52.3 78.5

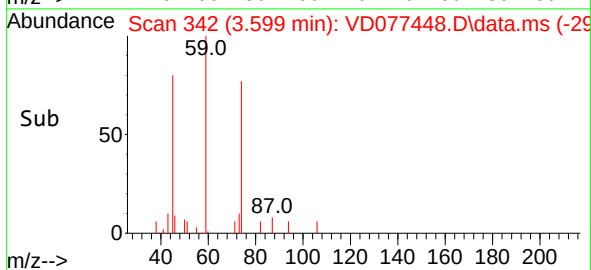
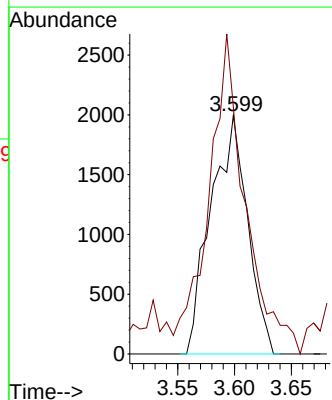
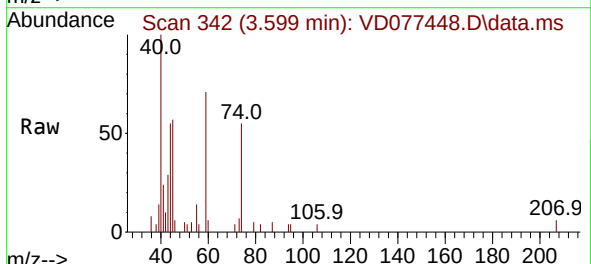
Manual Integrations  
APPROVED

Reviewed By :John Carlone 10/31/2023  
Supervised By :Mahesh Dadoda 10/31/2023

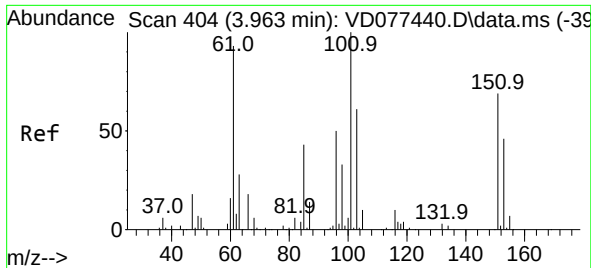


#8  
Diethyl Ether  
Concen: 2.293 ug/l  
RT: 3.599 min Scan# 342  
Delta R.T. 0.006 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

Tgt Ion: 74 Resp: 4489  
Ion Ratio Lower Upper  
74 100  
45 133.2 37.5 112.7#







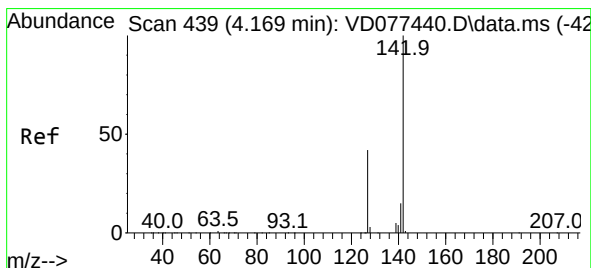
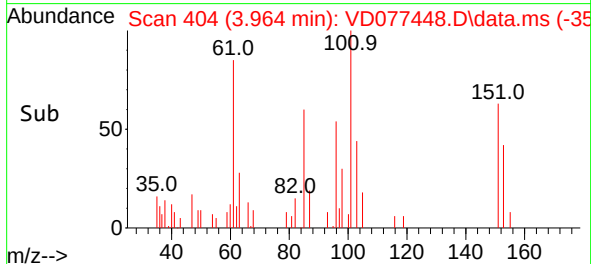
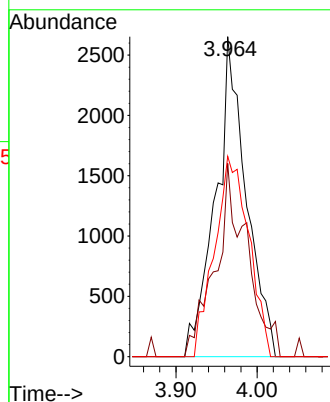
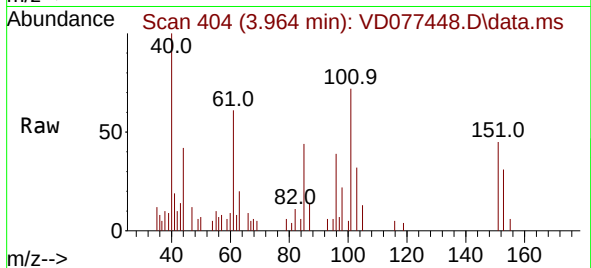
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 2.112 ug/l  
RT: 3.964 min Scan# 404  
Delta R.T. 0.000 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:101 Resp: 6945  
Ion Ratio Lower Upper  
101 100  
85 62.3 33.8 50.6  
151 70.2 59.8 89.6

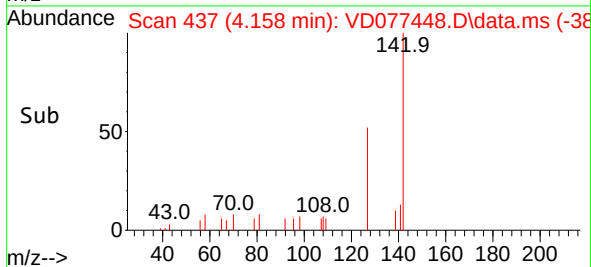
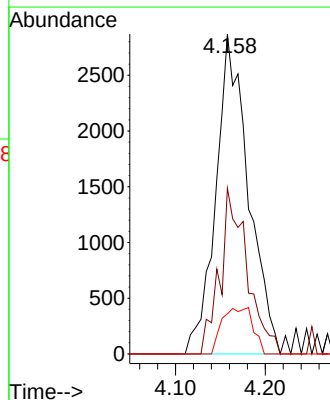
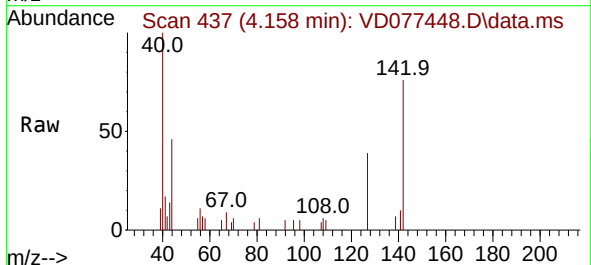
Manual Integrations  
APPROVED

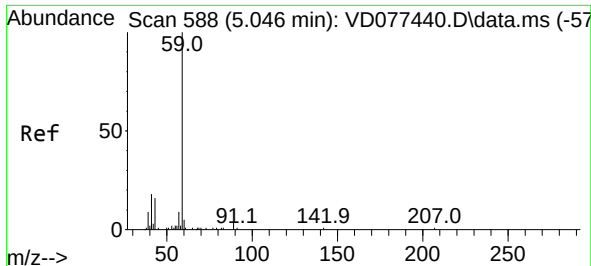
Reviewed By :John Carlone 10/31/2023  
Supervised By :Mahesh Dadoda 10/31/2023



#10  
Methyl Iodide  
Concen: 4.781 ug/l  
RT: 4.158 min Scan# 437  
Delta R.T. -0.011 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

Tgt Ion:142 Resp: 7236  
Ion Ratio Lower Upper  
142 100  
127 43.4 29.4 44.0  
141 0.0 11.1 16.7#





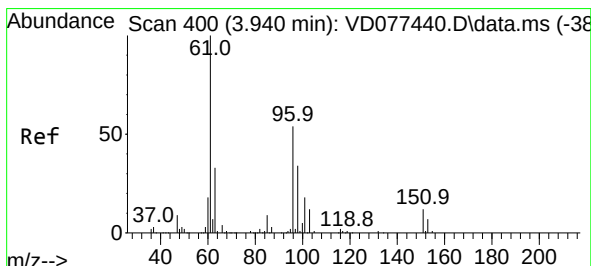
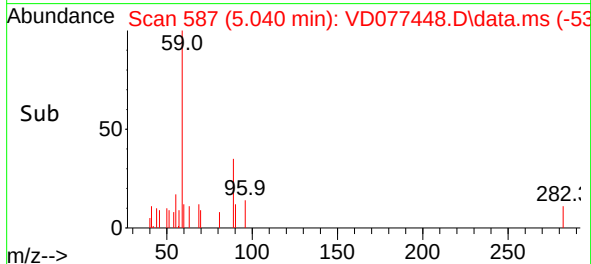
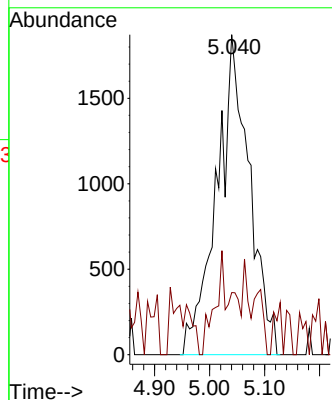
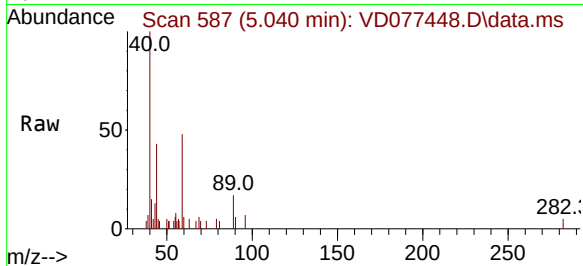
#11  
Tert butyl alcohol  
Concen: 22.043 ug/l  
RT: 5.040 min Scan# 588  
Delta R.T. -0.006 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion: 59 Resp: 769  
Ion Ratio Lower Upper  
59 100  
57 5.0 7.8 11.8

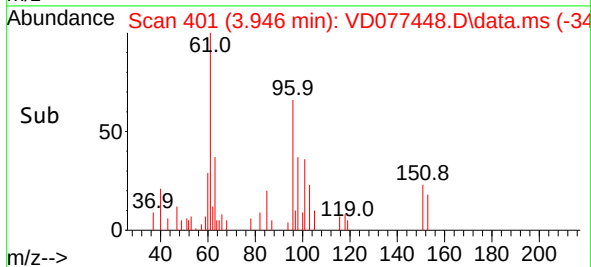
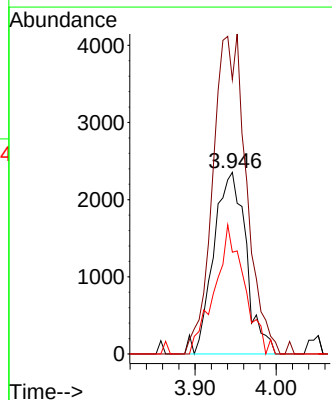
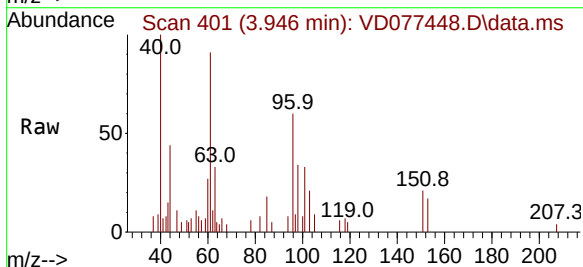
Manual Integrations  
APPROVED

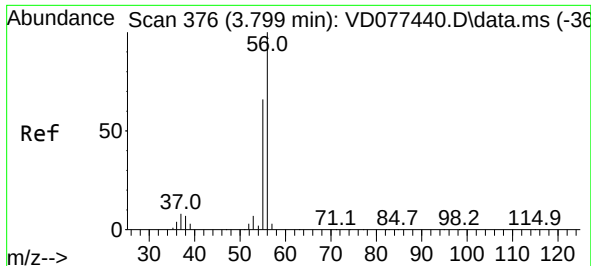
Reviewed By :John Carlone 10/31/2023  
Supervised By :Mahesh Dadoda 10/31/2023



#12  
1,1-Dichloroethene  
Concen: 2.109 ug/l  
RT: 3.946 min Scan# 401  
Delta R.T. 0.006 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

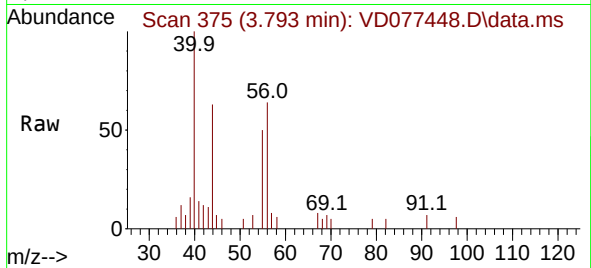
Tgt Ion: 96 Resp: 6566  
Ion Ratio Lower Upper  
96 100  
61 151.0 100.6 150.8#  
98 56.1 50.2 75.2





#13  
Acrolein  
Concen: 12.957 ug/l  
RT: 3.793 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

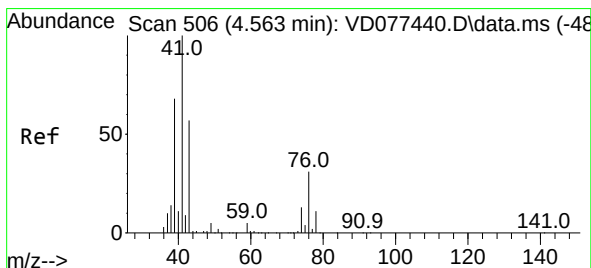
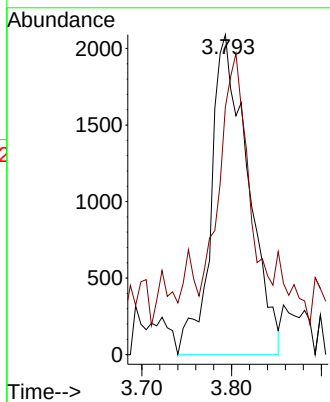
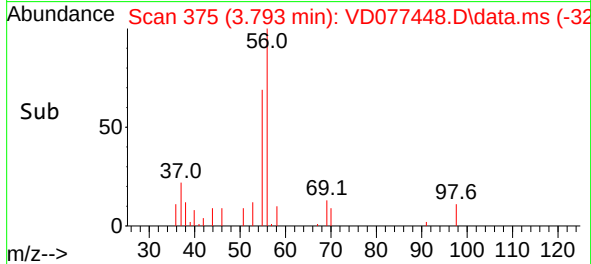
Instrument : MSVOA\_D  
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023



Tgt Ion: 56 Resp: 596  
Ion Ratio Lower Upper  
56 100  
55 55.2 55.1 82.7

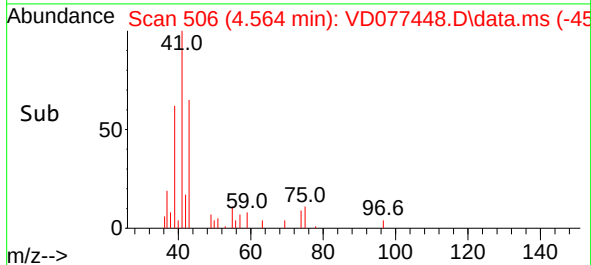
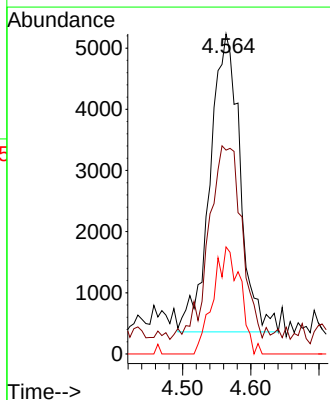
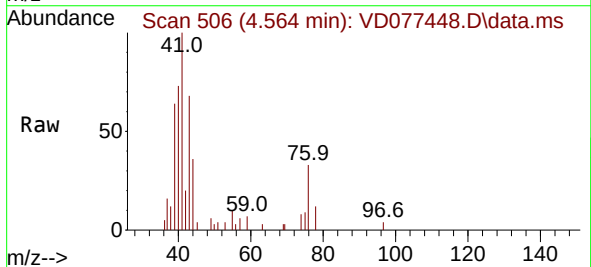
Manual Integrations  
APPROVED

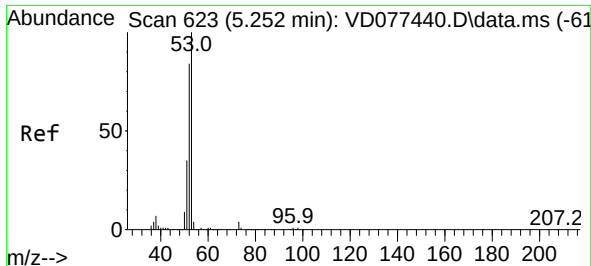
Reviewed By :John Carlone 10/31/2023  
Supervised By :Mahesh Dadoda 10/31/2023



#14  
Allyl chloride  
Concen: 1.994 ug/l  
RT: 4.564 min Scan# 506  
Delta R.T. 0.000 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

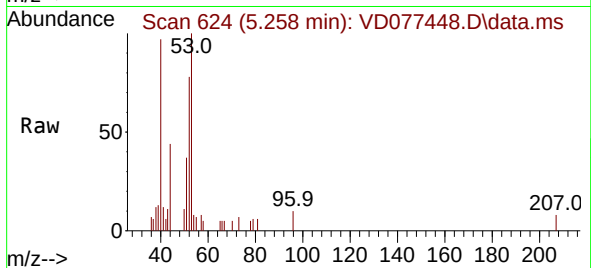
Tgt Ion: 41 Resp: 14974  
Ion Ratio Lower Upper  
41 100  
39 70.8 53.8 80.6  
76 32.2 45.8 68.8#





#15  
Acrylonitrile  
Concen: 11.617 ug/l  
RT: 5.258 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

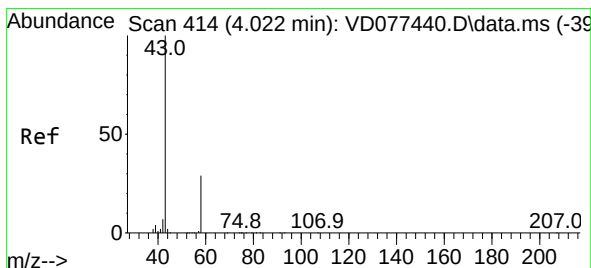
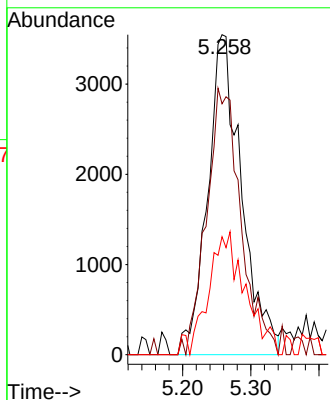
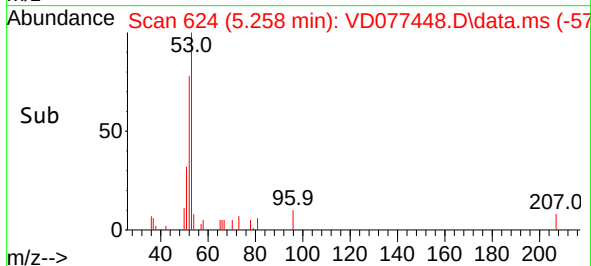
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2023



Tgt Ion: 53 Resp: 12290  
Ion Ratio Lower Upper  
53 100  
52 84.0 65.0 97.4  
51 40.9 28.3 42.5

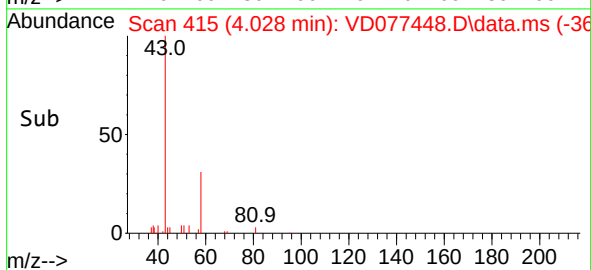
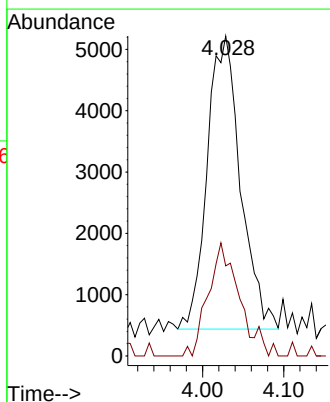
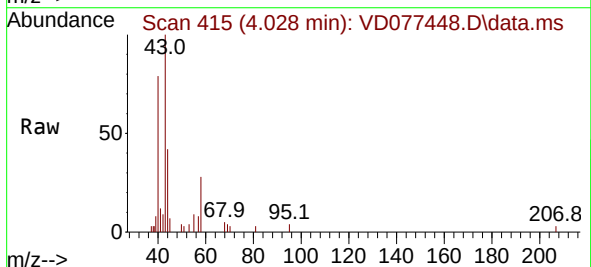
Manual Integrations  
APPROVED

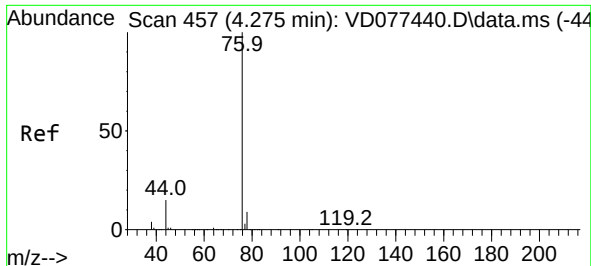
Reviewed By :John Carlone 10/31/2023  
Supervised By :Mahesh Dadoda 10/31/2023



#16  
Acetone  
Concen: 11.690 ug/l  
RT: 4.028 min Scan# 415  
Delta R.T. 0.006 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

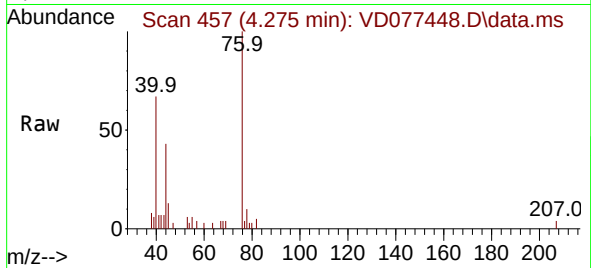
Tgt Ion: 43 Resp: 13629  
Ion Ratio Lower Upper  
43 100  
58 30.7 34.7 52.1#





#17  
Carbon Disulfide  
Concen: 5.110 ug/l  
RT: 4.275 min Scan# 457  
Delta R.T. 0.000 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

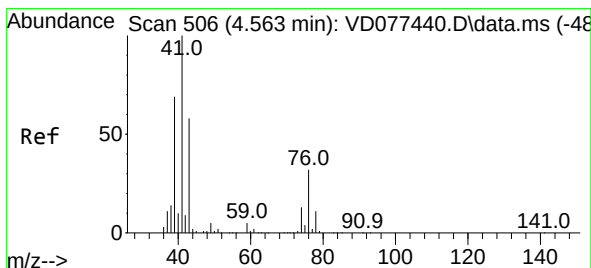
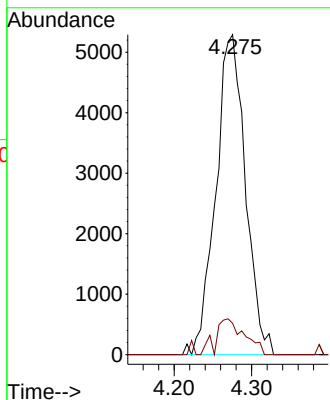
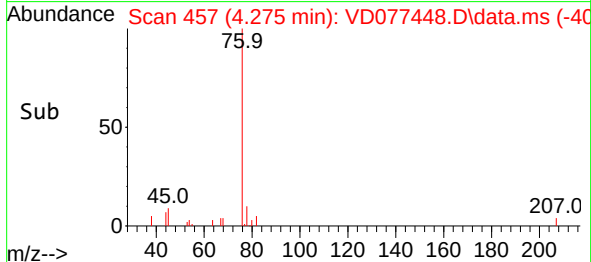
Instrument : MSVOA\_D  
Client Sample Id : LOD-MDL-SOIL-01-QT4-2023



Tgt Ion: 76 Resp: 14054  
Ion Ratio Lower Upper  
76 100  
78 9.8 6.8 10.2

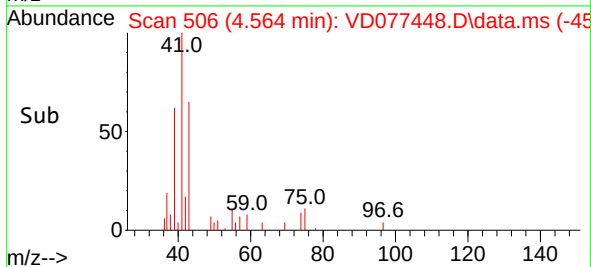
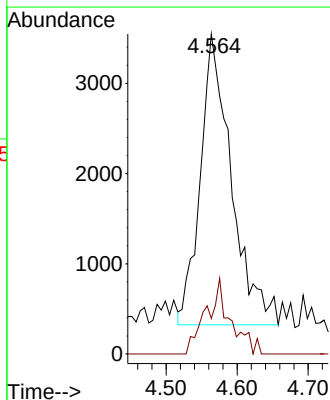
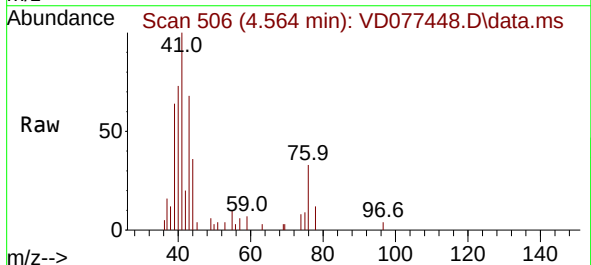
Manual Integrations  
APPROVED

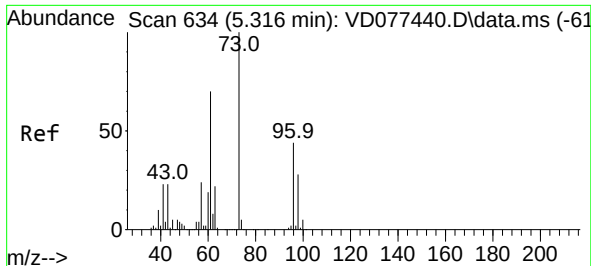
Reviewed By : John Carlone 10/31/2023  
Supervised By : Mahesh Dadoda 10/31/2023



#18  
Methyl Acetate  
Concen: 2.311 ug/l  
RT: 4.564 min Scan# 506  
Delta R.T. 0.001 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

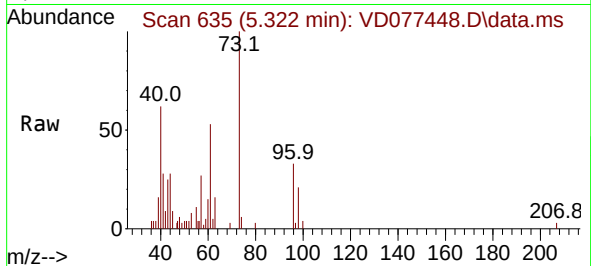
Tgt Ion: 43 Resp: 9827  
Ion Ratio Lower Upper  
43 100  
74 20.4 26.4 39.6#





#19  
Methyl tert-butyl Ether  
Concen: 2.269 ug/l  
RT: 5.322 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

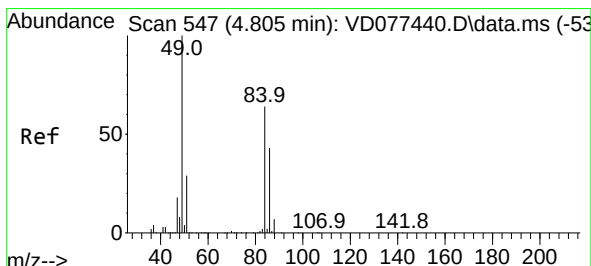
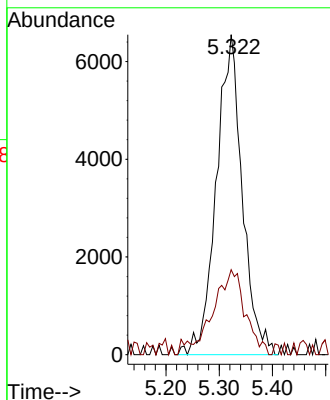
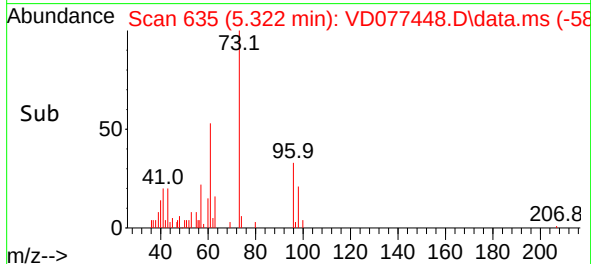
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2023



Tgt Ion: 73 Resp: 2216  
Ion Ratio Lower Upper  
73 100  
57 26.6 16.6 25.0

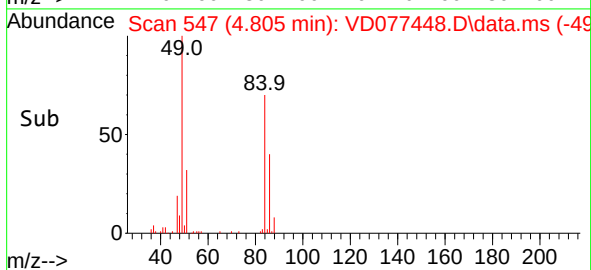
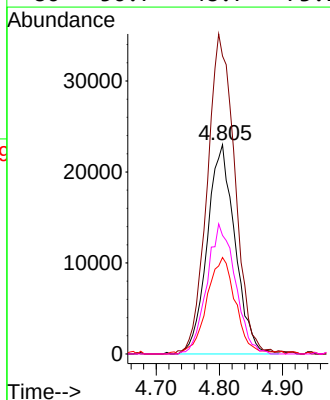
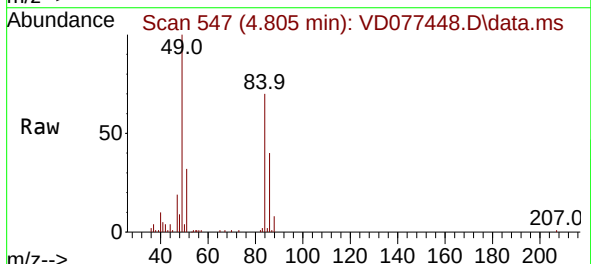
Manual Integrations  
APPROVED

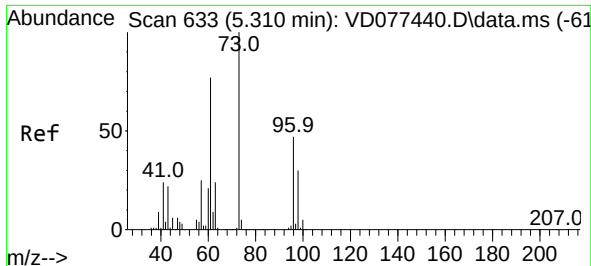
Reviewed By :John Carlone 10/31/2023  
Supervised By :Mahesh Dadoda 10/31/2023



#20  
Methylene Chloride  
Concen: 14.316 ug/l  
RT: 4.805 min Scan# 547  
Delta R.T. -0.000 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

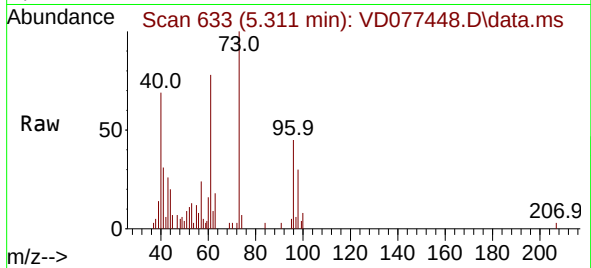
Tgt Ion: 84 Resp: 70307  
Ion Ratio Lower Upper  
84 100  
49 140.9 71.4 107.2#  
51 46.2 24.5 36.7#  
86 56.7 48.7 73.1





#21  
trans-1,2-Dichloroethene  
Concen: 2.120 ug/l  
RT: 5.311 min Scan# 611  
Delta R.T. 0.001 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

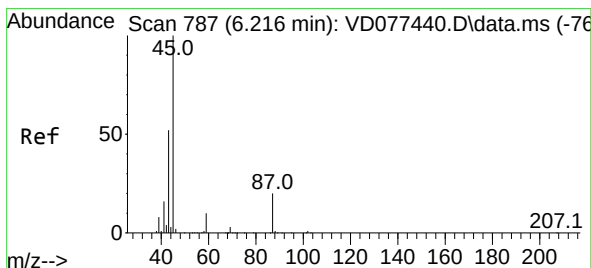
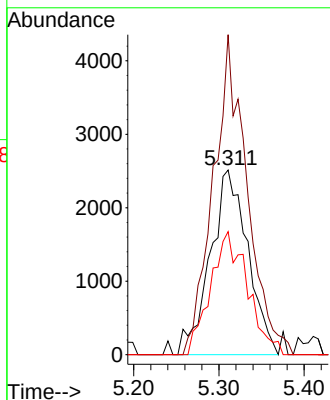
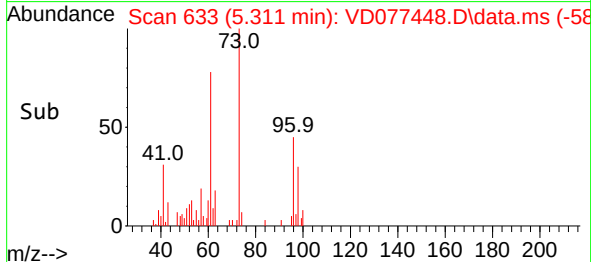
Instrument : MSVOA\_D  
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023



Tgt Ion: 96 Resp: 768  
Ion Ratio Lower Upper  
96 100  
61 173.3 89.3 133.9#  
98 66.6 48.6 73.0

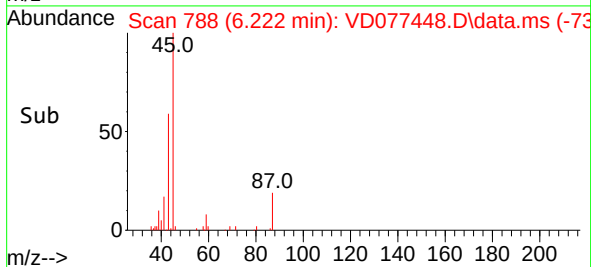
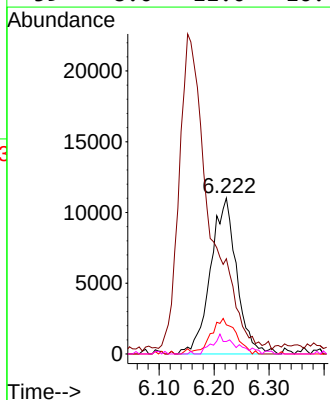
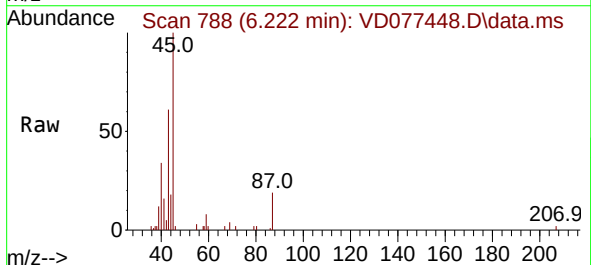
Manual Integrations  
APPROVED

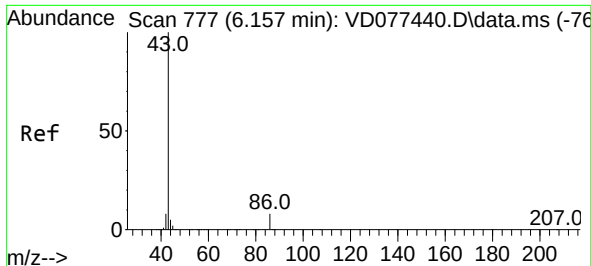
Reviewed By :John Carlone 10/31/2023  
Supervised By :Mahesh Dadoda 10/31/2023



#22  
Diisopropyl ether  
Concen: 2.282 ug/l  
RT: 6.222 min Scan# 788  
Delta R.T. 0.006 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

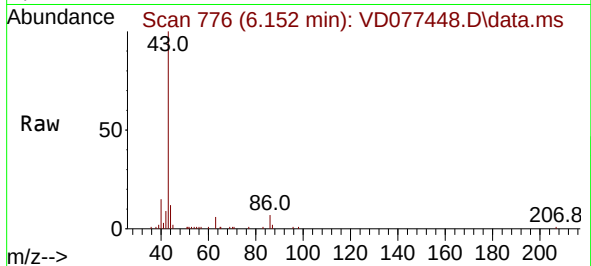
Tgt Ion: 45 Resp: 36426  
Ion Ratio Lower Upper  
45 100  
43 55.6 40.0 60.0  
87 18.7 28.2 42.4#  
59 8.0 11.0 16.4#





#23  
 Vinyl Acetate  
 Concen: 11.063 ug/l m  
 RT: 6.152 min Scan# 777  
 Delta R.T. -0.006 min  
 Lab File: VD077448.D  
 Acq: 30 Oct 2023 15:33

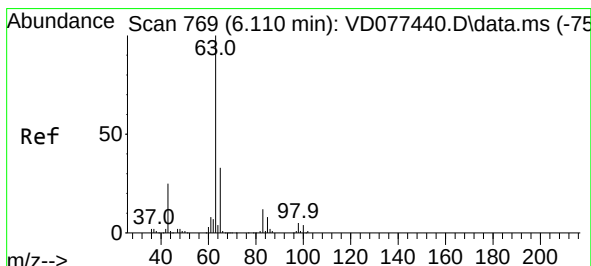
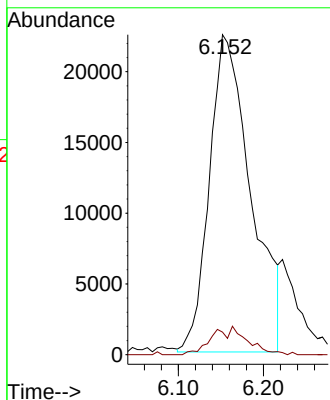
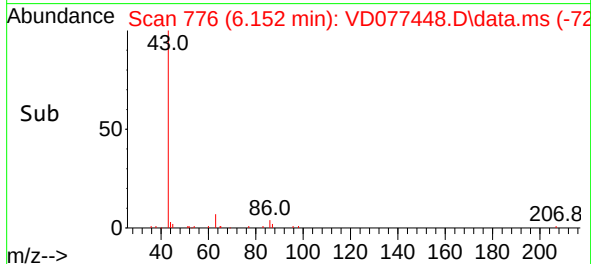
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2023



Tgt Ion: 43 Resp: 7617  
 Ion Ratio Lower Upper  
 43 100  
 86 7.0 12.5 18.7

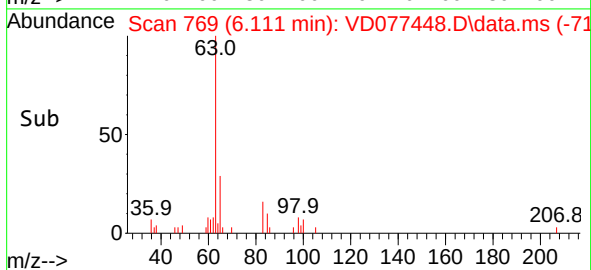
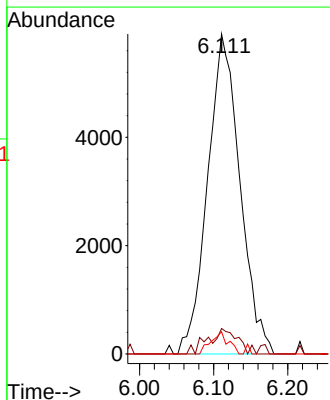
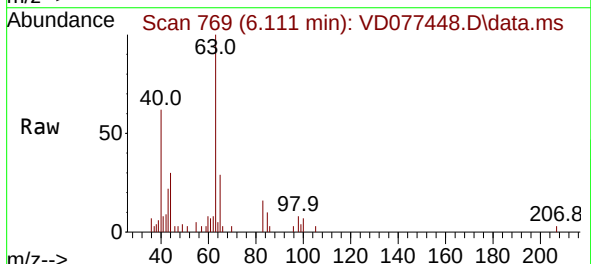
Manual Integrations  
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Reviewed By :John Carlone 10/31/2023  
 Supervised By :Mahesh Dadoda 10/31/2023

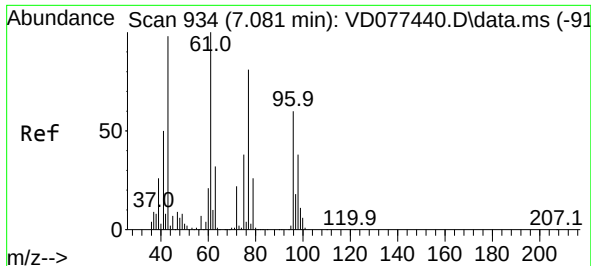


#24  
 1,1-Dichloroethane  
 Concen: 2.161 ug/l  
 RT: 6.111 min Scan# 769  
 Delta R.T. 0.000 min  
 Lab File: VD077448.D  
 Acq: 30 Oct 2023 15:33

Tgt Ion: 63 Resp: 17901  
 Ion Ratio Lower Upper  
 63 100  
 98 8.0 4.5 13.7  
 100 6.9 2.5 7.5







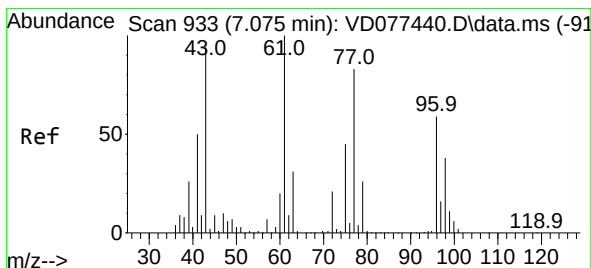
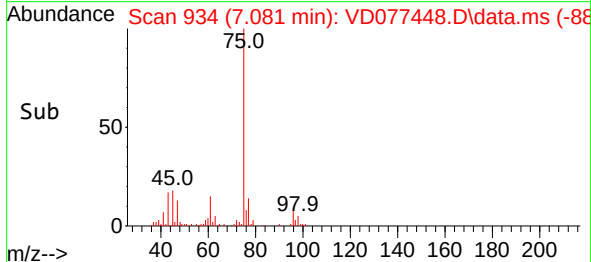
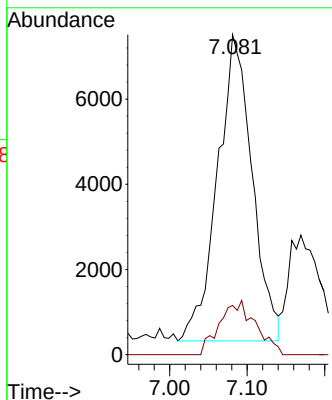
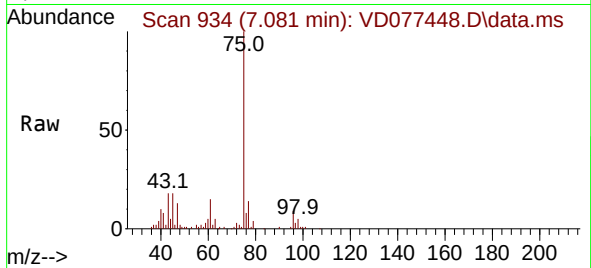
#25  
2-Butanone  
Concen: 14.402 ug/l  
RT: 7.081 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion: 43 Resp: 22390  
Ion Ratio Lower Upper  
43 100  
72 16.1 30.7 46.1

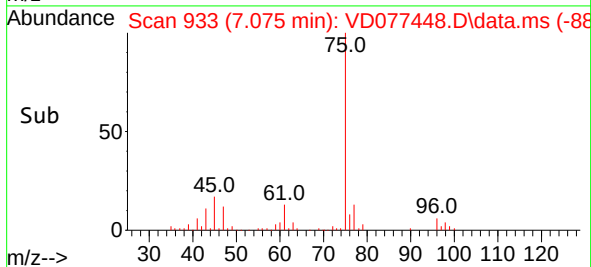
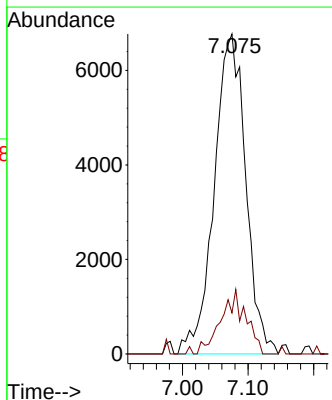
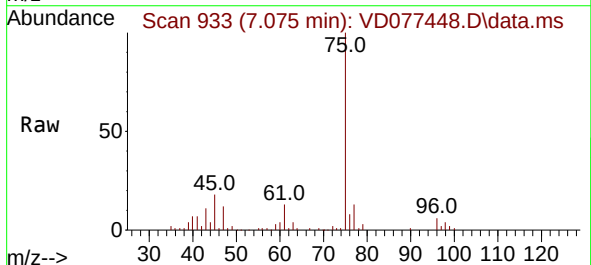
Manual Integrations  
APPROVED

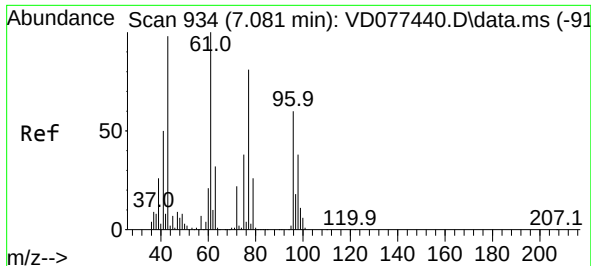
Reviewed By :John Carlone 10/31/2023  
Supervised By :Mahesh Dadoda 10/31/2023



#26  
2,2-Dichloropropane  
Concen: 3.076 ug/l  
RT: 7.075 min Scan# 933  
Delta R.T. 0.000 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

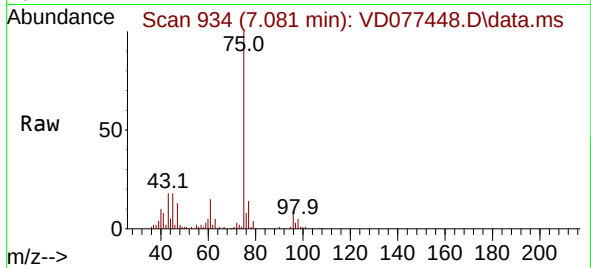
Tgt Ion: 77 Resp: 22579  
Ion Ratio Lower Upper  
77 100  
97 8.1 13.2 39.6





#27  
 cis-1,2-Dichloroethene  
 Concen: 2.280 ug/l  
 RT: 7.081 min Scan# 91  
 Delta R.T. 0.000 min  
 Lab File: VD077448.D  
 Acq: 30 Oct 2023 15:33

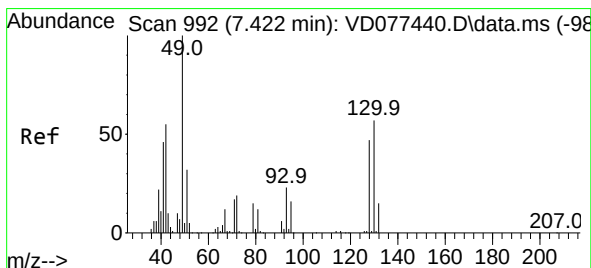
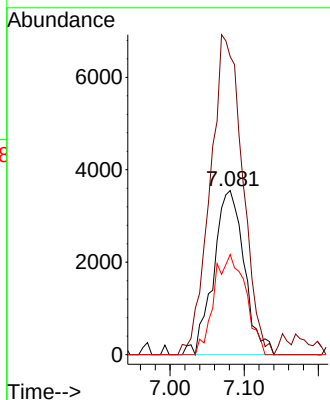
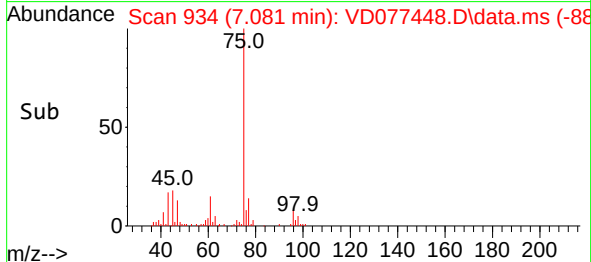
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2023



Tgt Ion: 96 Resp: 1024  
 Ion Ratio Lower Upper  
 96 100  
 61 205.2 0.0 239.2  
 98 62.6 0.0 128.6

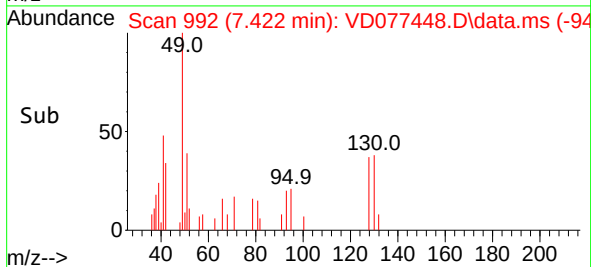
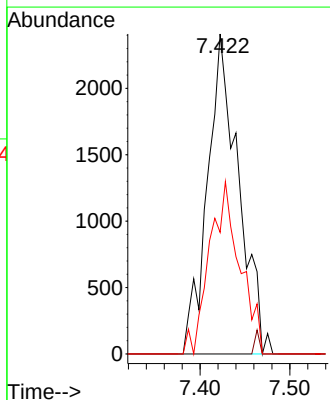
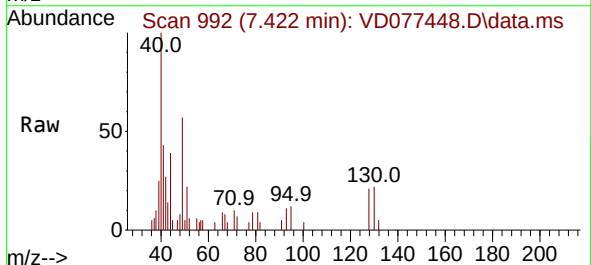
Manual Integrations  
 APPROVED

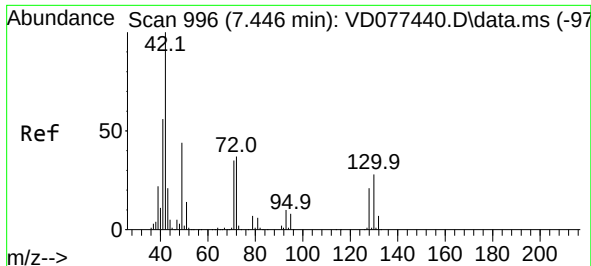
Reviewed By :John Carlone 10/31/2023  
 Supervised By :Mahesh Dadoda 10/31/2023



#28  
 Bromochloromethane  
 Concen: 3.587 ug/l  
 RT: 7.422 min Scan# 992  
 Delta R.T. 0.000 min  
 Lab File: VD077448.D  
 Acq: 30 Oct 2023 15:33

Tgt Ion: 49 Resp: 5808  
 Ion Ratio Lower Upper  
 49 100  
 129 0.0 0.0 6.0  
 130 52.4 83.2 124.8#





#29

Tetrahydrofuran

Concen: 10.192 ug/l

RT: 7.452 min Scan# 996

Delta R.T. 0.006 min

Lab File: VD077448.D

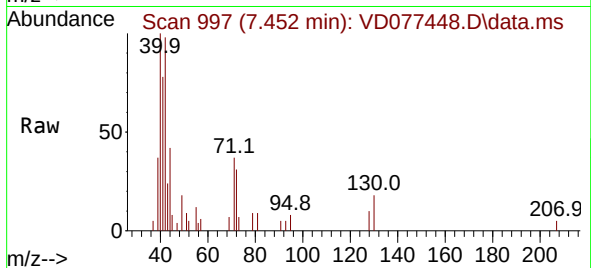
Acq: 30 Oct 2023 15:33

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023



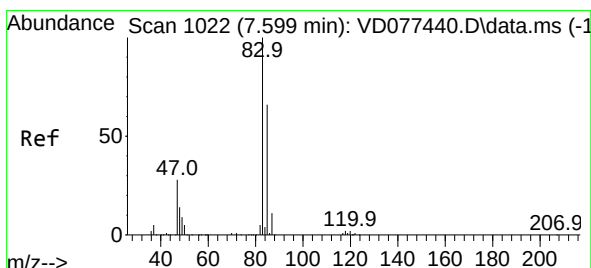
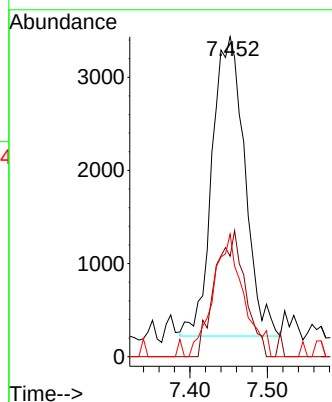
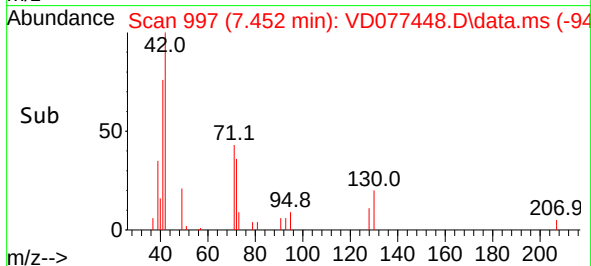
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 42    | Resp: | 9400 |
| Ion Ratio | Lower | Upper |      |
| 42        | 100   |       |      |
| 72        | 38.7  | 46.5  | 69.7 |
| 71        | 38.2  | 44.5  | 66.7 |

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/31/2023

Supervised By :Mahesh Dadoda 10/31/2023



#30

Chloroform

Concen: 2.257 ug/l

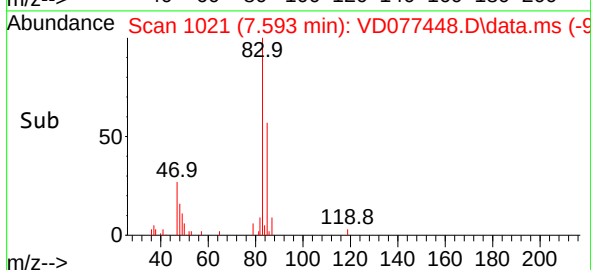
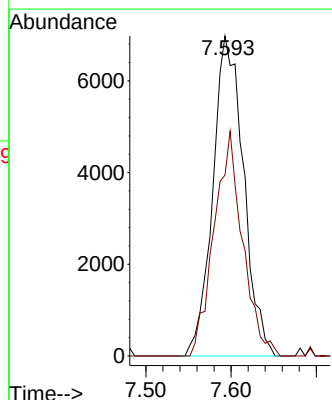
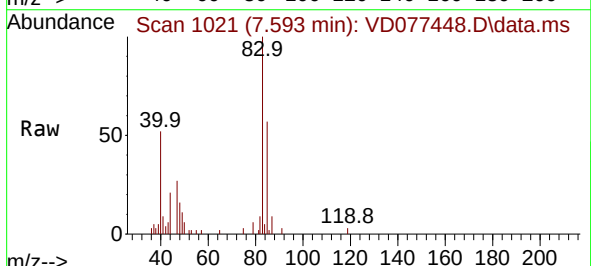
RT: 7.593 min Scan# 1021

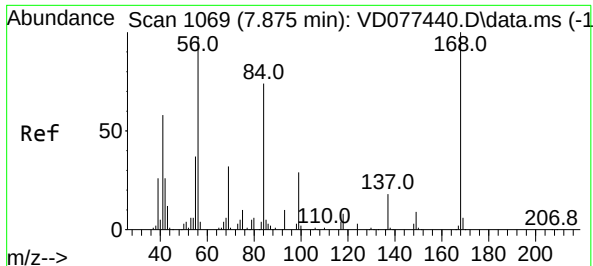
Delta R.T. -0.006 min

Lab File: VD077448.D

Acq: 30 Oct 2023 15:33

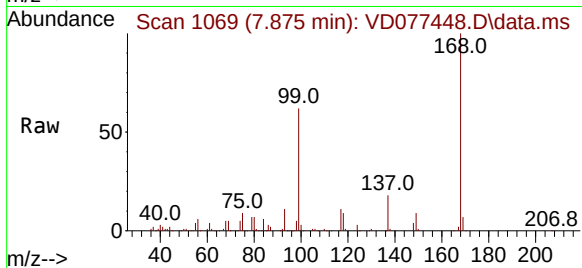
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 17456 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 56.6  | 53.4  | 80.2  |





#31  
Cyclohexane  
Concen: 3.173 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

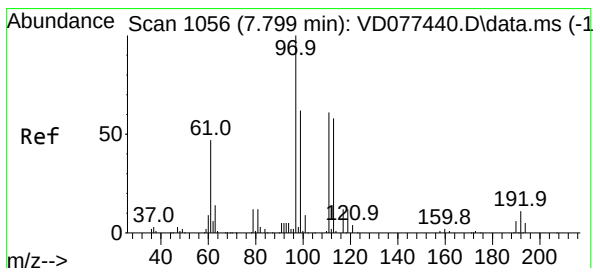
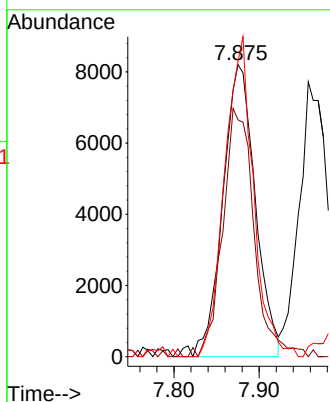
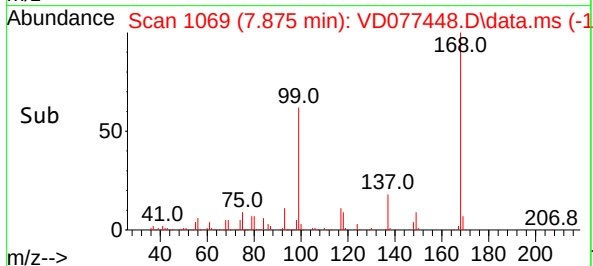
Instrument : MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2023



Tgt Ion: 56 Resp: 21854  
Ion Ratio Lower Upper  
56 100  
69 78.4 28.6 43.0  
84 101.1 84.8 127.2

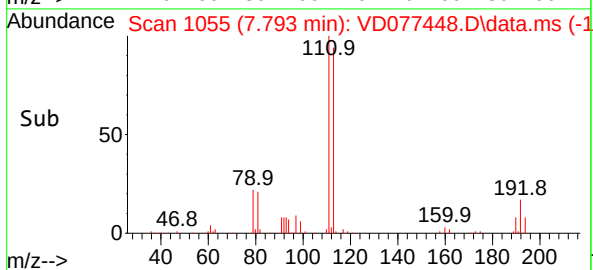
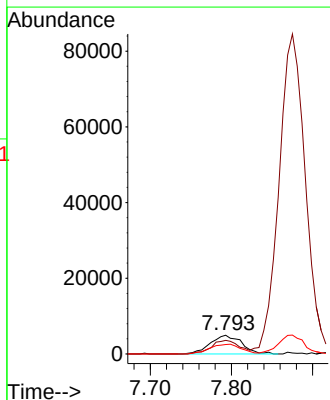
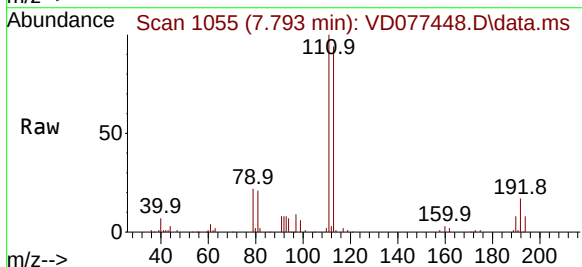
Manual Integrations  
APPROVED

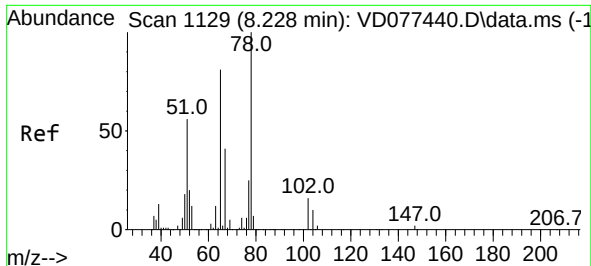
Reviewed By :John Carlone 10/31/2023  
Supervised By :Mahesh Dadoda 10/31/2023



#32  
1,1,1-Trichloroethane  
Concen: 2.090 ug/l  
RT: 7.793 min Scan# 1055  
Delta R.T. -0.006 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

Tgt Ion: 97 Resp: 13319  
Ion Ratio Lower Upper  
97 100  
99 65.1 52.0 78.0  
61 51.8 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 48.609 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD077448.D

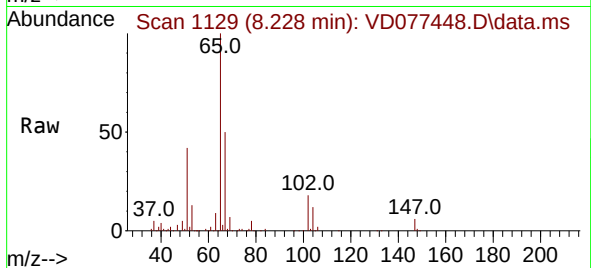
Acq: 30 Oct 2023 15:33

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023



Tgt Ion: 65 Resp: 21416

Ion Ratio Lower Upper

65 100

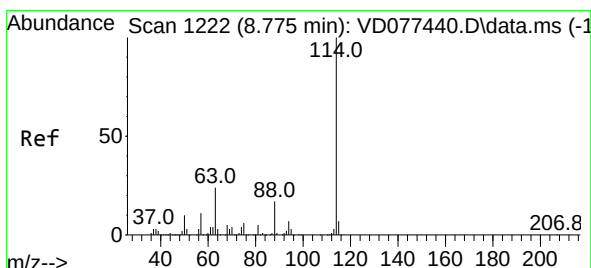
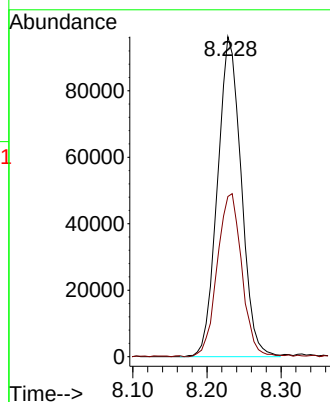
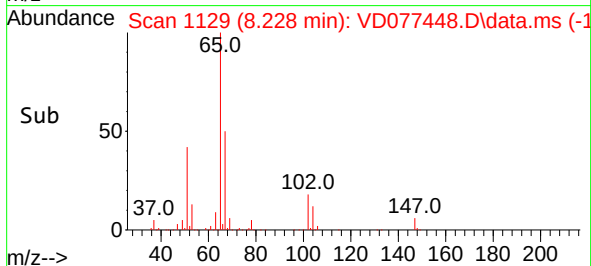
67 52.7 0.0 115.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/31/2023

Supervised By :Mahesh Dadoda 10/31/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD077448.D

Acq: 30 Oct 2023 15:33

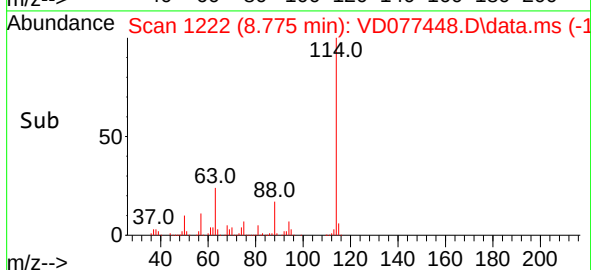
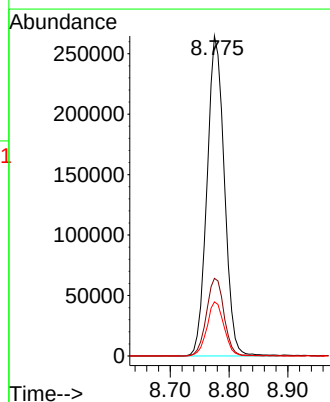
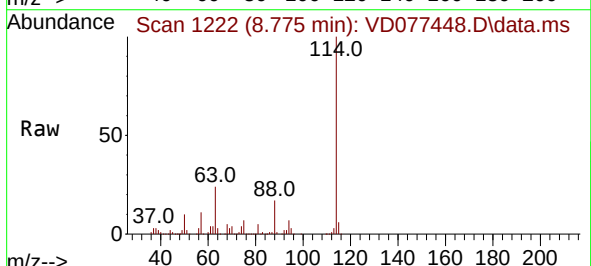
Tgt Ion:114 Resp: 542111

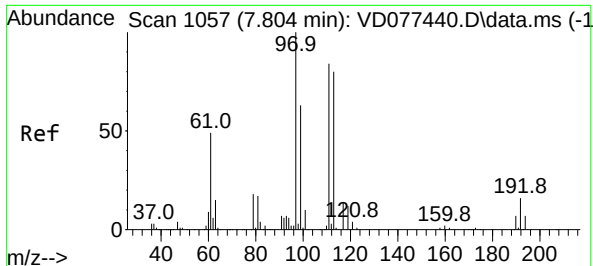
Ion Ratio Lower Upper

114 100

63 24.3 0.0 33.4

88 16.9 0.0 26.2





#35

Dibromofluoromethane

Concen: 49.500 ug/l

RT: 7.811 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077448.D

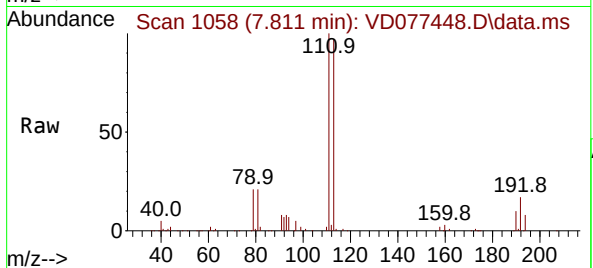
Acq: 30 Oct 2023 15:33

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023



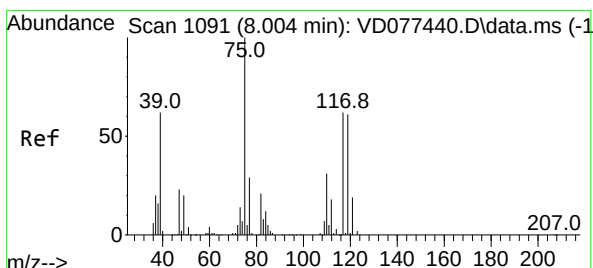
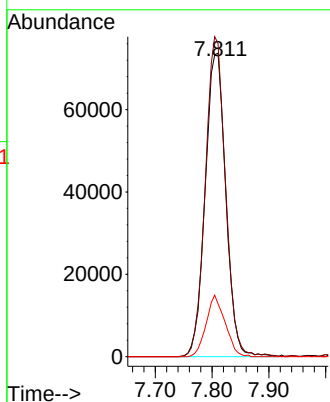
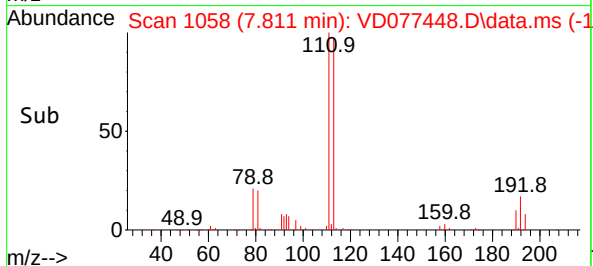
| Tgt Ion:  | 113   | Resp: | 185470 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 103.2 | 84.7  | 127.1  |
| 192       | 18.6  | 16.8  | 25.2   |

Manual Integrations

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Reviewed By :John Carlone 10/31/2023

Supervised By :Mahesh Dadoda 10/31/2023



#36

1,1-Dichloropropene

Concen: 2.067 ug/l

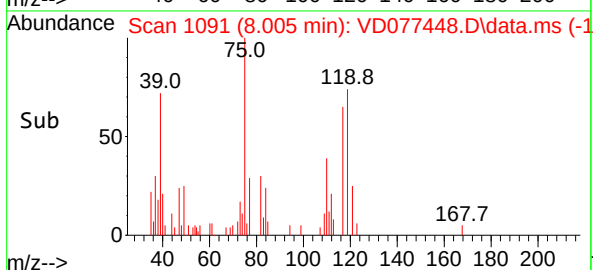
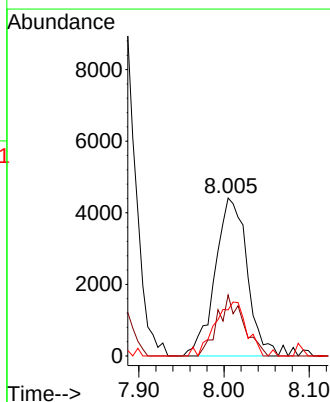
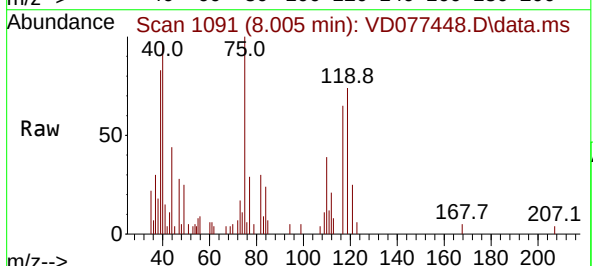
RT: 8.005 min Scan# 1091

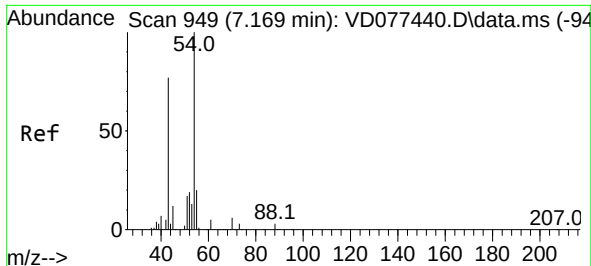
Delta R.T. 0.000 min

Lab File: VD077448.D

Acq: 30 Oct 2023 15:33

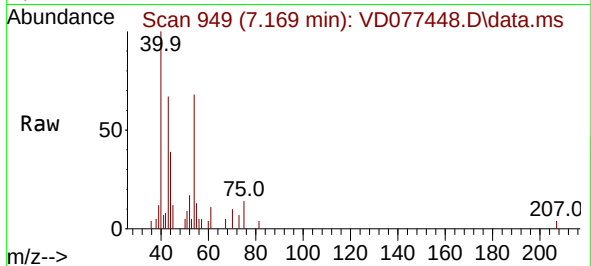
| Tgt Ion:  | 75    | Resp: | 11484 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 31.3  | 19.9  | 59.6  |
| 77        | 33.8  | 24.7  | 37.1  |





#37  
Ethyl Acetate  
Concen: 2.388 ug/l m  
RT: 7.169 min Scan# 94  
Delta R.T. 0.000 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

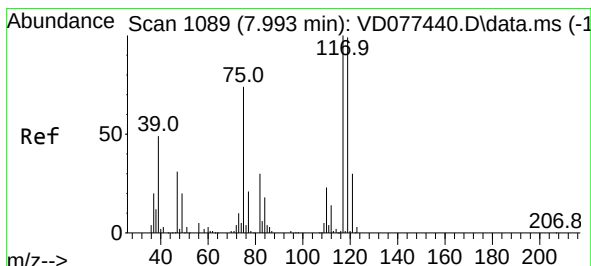
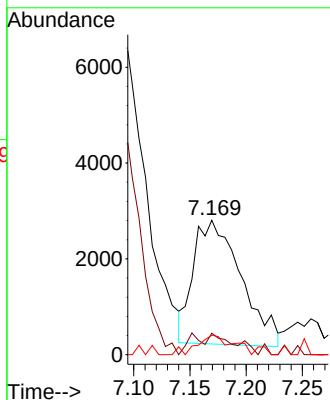
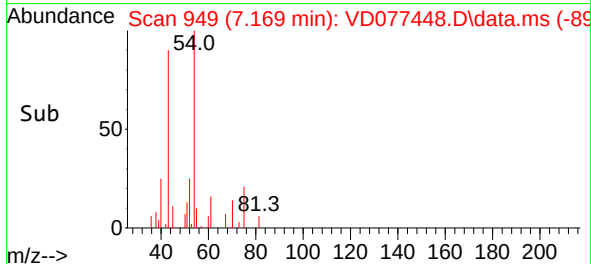
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2023



Tgt Ion: 43 Resp: 761  
Ion Ratio Lower Upper  
43 100  
61 9.2 14.9 22.3  
70 11.8 10.0 15.0

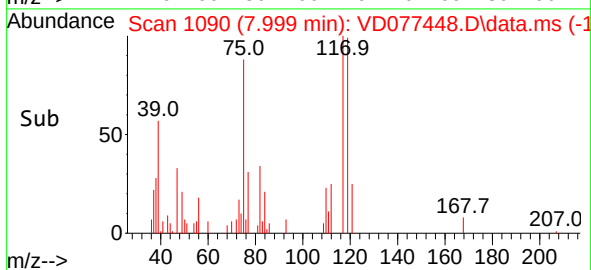
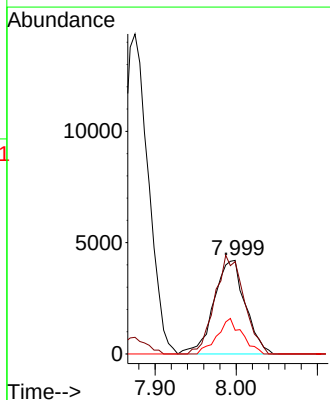
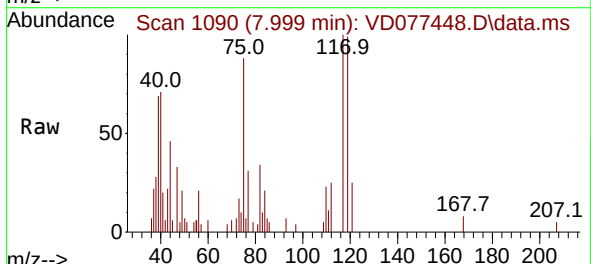
Manual Integrations  
APPROVED

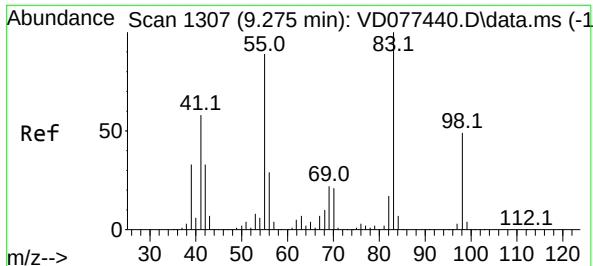
Reviewed By :John Carlone 10/31/2023  
Supervised By :Mahesh Dadoda 10/31/2023



#38  
Carbon Tetrachloride  
Concen: 2.166 ug/l  
RT: 7.999 min Scan# 1090  
Delta R.T. 0.006 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

Tgt Ion:117 Resp: 11338  
Ion Ratio Lower Upper  
117 100  
119 98.6 78.0 117.0  
121 25.3 24.2 36.2





#39

Methylcyclohexane

Concen: 2.057 ug/l

RT: 9.275 min Scan# 11307

Delta R.T. 0.000 min

Lab File: VD077448.D

Acq: 30 Oct 2023 15:33

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

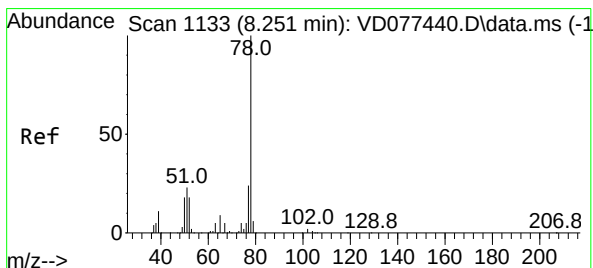
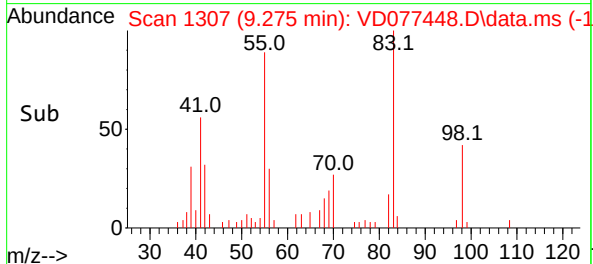
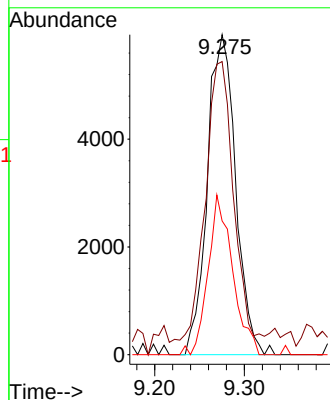
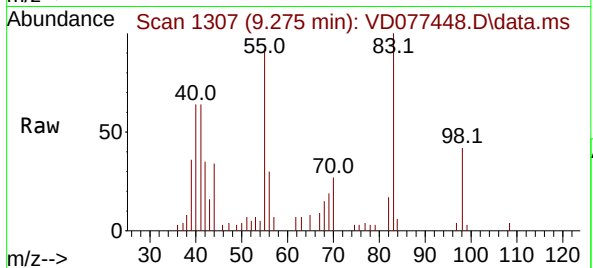
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 83    | Resp: | 1304 |
| Ion Ratio | Lower | Upper |      |
| 83        | 100   |       |      |
| 55        | 87.1  | 49.4  | 74.0 |
| 98        | 41.8  | 38.4  | 57.6 |

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/31/2023

Supervised By :Mahesh Dadoda 10/31/2023



#40

Benzene

Concen: 2.147 ug/l

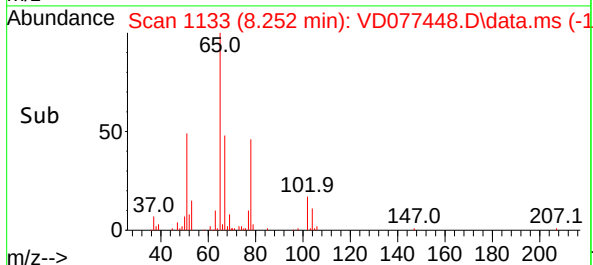
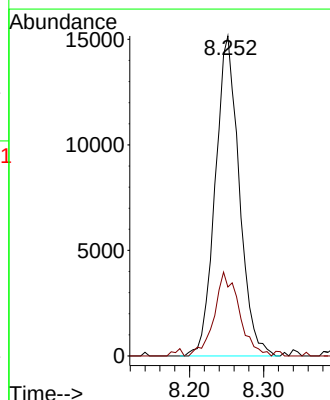
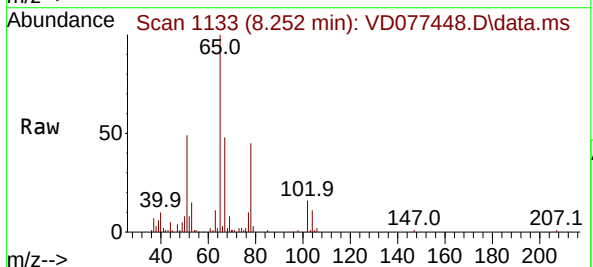
RT: 8.252 min Scan# 1133

Delta R.T. 0.000 min

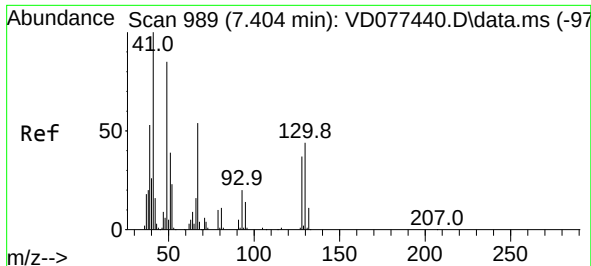
Lab File: VD077448.D

Acq: 30 Oct 2023 15:33

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 78    | Resp: | 34018 |
| Ion Ratio | Lower | Upper |       |
| 78        | 100   |       |       |
| 77        | 20.2  | 19.4  | 29.0  |

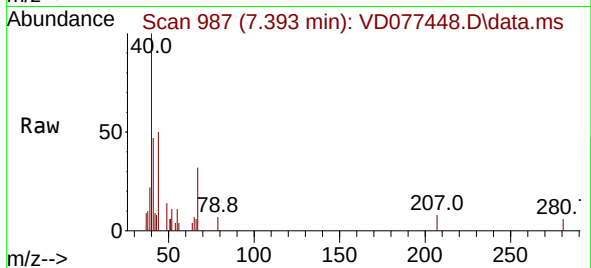






#41  
Methacrylonitrile  
Concen: 2.054 ug/l m  
RT: 7.393 min Scan# 989  
Delta R.T. -0.012 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

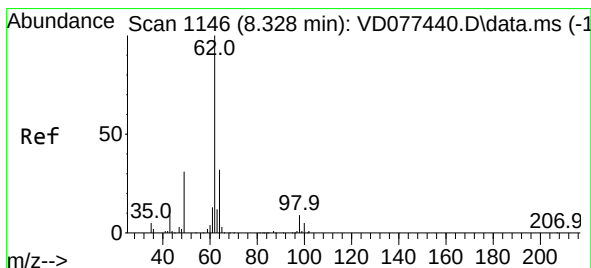
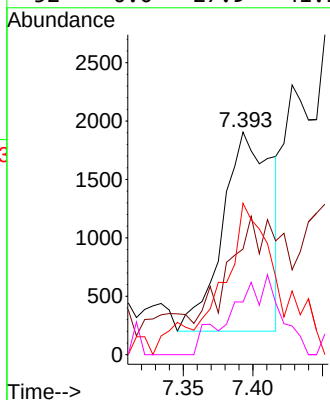
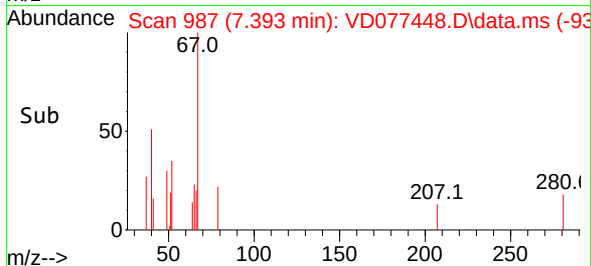
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2023



Tgt Ion: 41 Resp: 4190  
Ion Ratio Lower Upper  
41 100  
39 37.9 34.0 51.0  
67 82.1 77.0 115.4  
52 0.0 27.9 41.9#

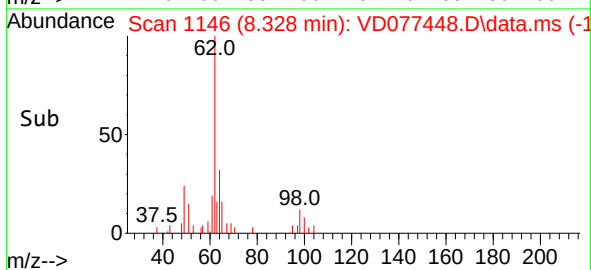
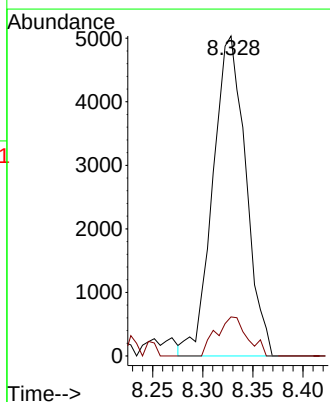
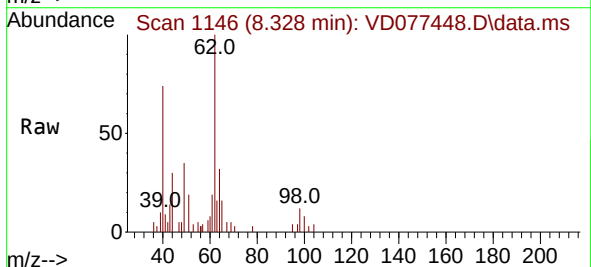
Manual Integrations  
APPROVED

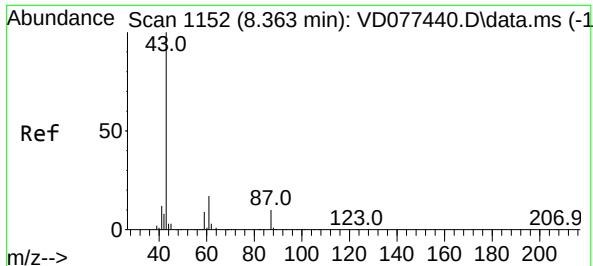
Reviewed By :John Carlone 10/31/2023  
Supervised By :Mahesh Dadoda 10/31/2023



#42  
1,2-Dichloroethane  
Concen: 2.290 ug/l  
RT: 8.328 min Scan# 1146  
Delta R.T. 0.000 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

Tgt Ion: 62 Resp: 11489  
Ion Ratio Lower Upper  
62 100  
98 11.5 0.0 25.4





#43

Isopropyl Acetate

Concen: 2.256 ug/l

RT: 8.363 min Scan# 1152

Delta R.T. 0.000 min

Lab File: VD077448.D

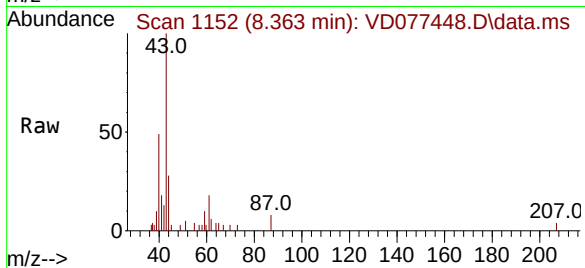
Acq: 30 Oct 2023 15:33

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023



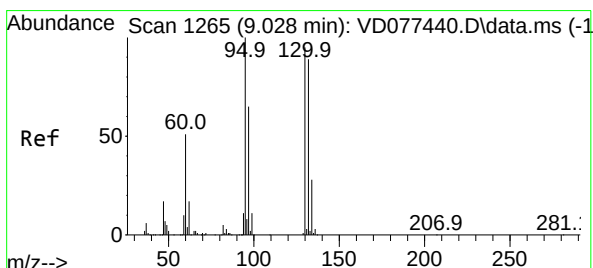
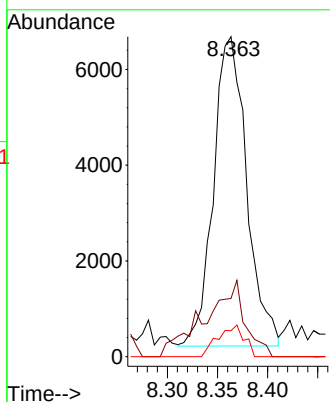
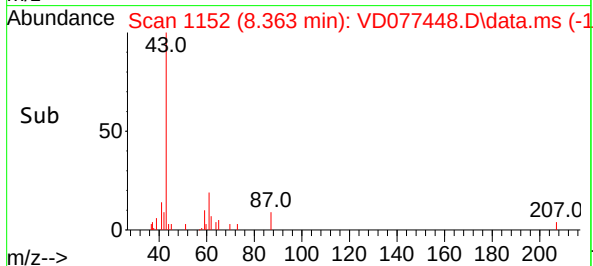
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 43    | Resp: | 1484 |
| Ion Ratio | Lower | Upper |      |
| 43        | 100   |       |      |
| 61        | 29.9  | 31.4  | 47.0 |
| 87        | 8.1   | 14.9  | 22.3 |

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/31/2023

Supervised By :Mahesh Dadoda 10/31/2023



#44

Trichloroethene

Concen: 2.207 ug/l

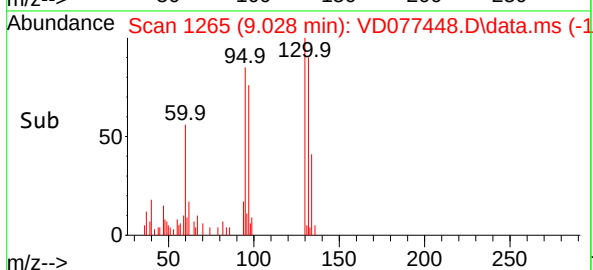
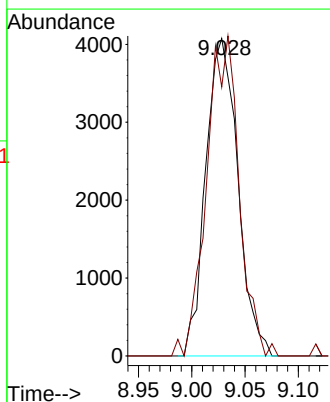
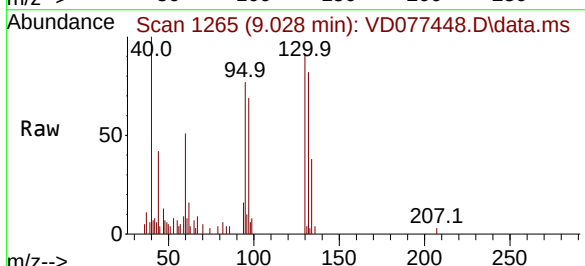
RT: 9.028 min Scan# 1265

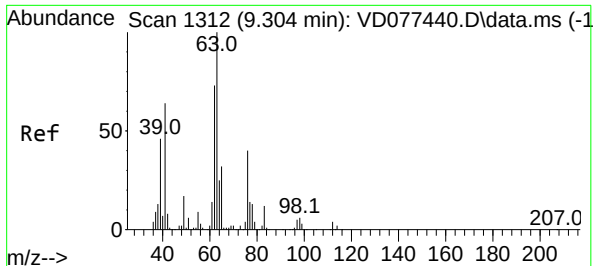
Delta R.T. 0.000 min

Lab File: VD077448.D

Acq: 30 Oct 2023 15:33

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 130   | Resp: | 8562  |
| Ion Ratio | Lower | Upper |       |
| 130       | 100   |       |       |
| 95        | 84.7  | 0.0   | 179.2 |





#45

1,2-Dichloropropane

Concen: 2.282 ug/l

RT: 9.305 min Scan# 1312

Delta R.T. 0.000 min

Lab File: VD077448.D

Acq: 30 Oct 2023 15:33

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

Tgt Ion: 63 Resp: 1064

Ion Ratio Lower Upper

63 100

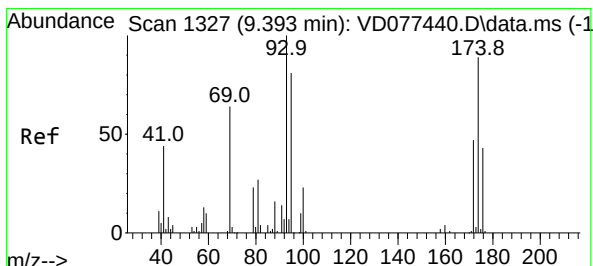
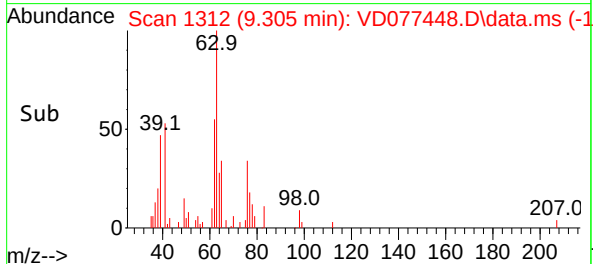
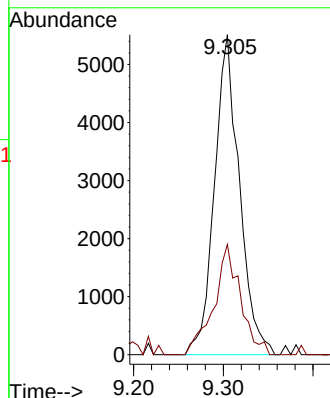
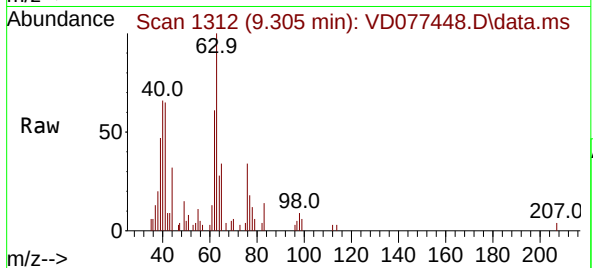
65 34.4 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/31/2023

Supervised By :Mahesh Dadoda 10/31/2023



#46

Dibromomethane

Concen: 2.273 ug/l

RT: 9.393 min Scan# 1327

Delta R.T. 0.000 min

Lab File: VD077448.D

Acq: 30 Oct 2023 15:33

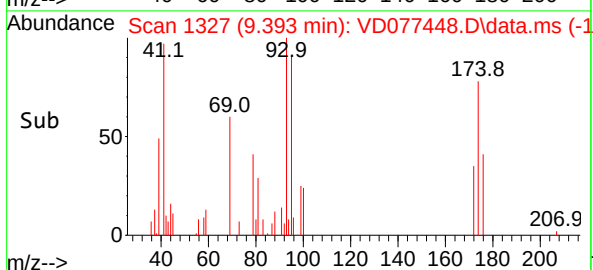
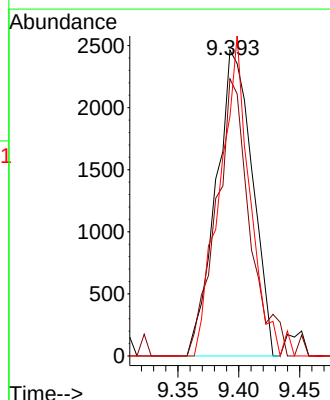
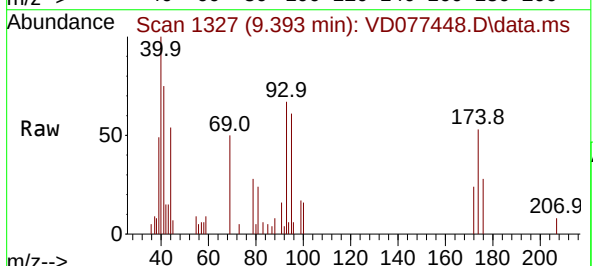
Tgt Ion: 93 Resp: 5101

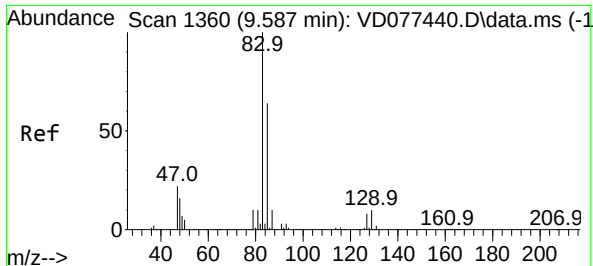
Ion Ratio Lower Upper

93 100

95 83.9 67.7 101.5

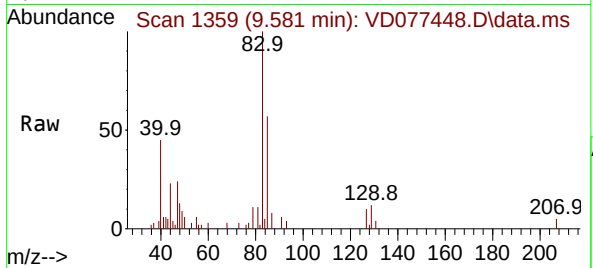
174 87.3 85.4 128.2





#47  
Bromodichloromethane  
Concen: 2.232 ug/l  
RT: 9.581 min Scan# 1359  
Delta R.T. -0.006 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

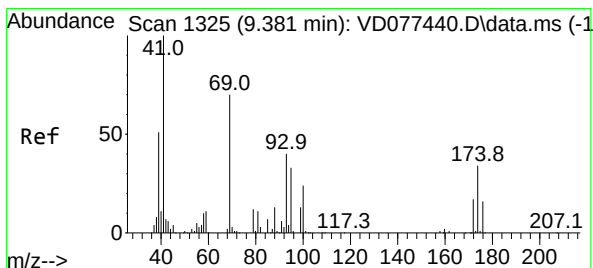
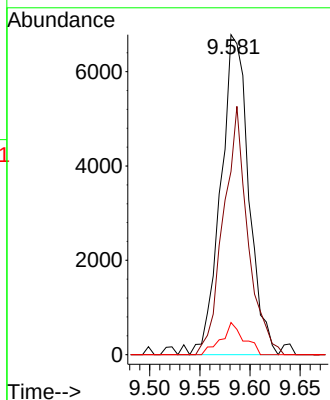
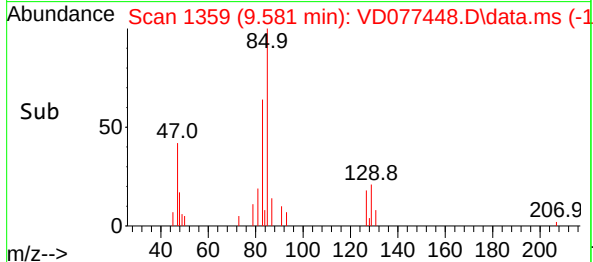
Instrument : MSVOA\_D  
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023



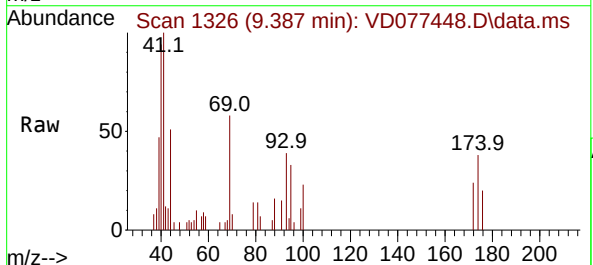
Tgt Ion: 83 Resp: 1324  
Ion Ratio Lower Upper  
83 100  
85 57.3 50.2 75.4  
127 10.0 6.3 9.5

Manual Integrations  
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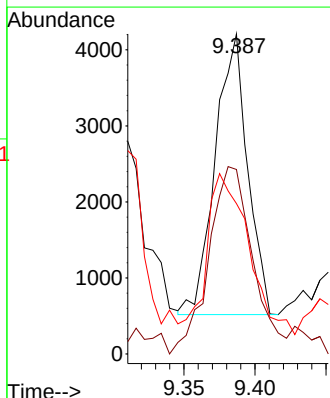
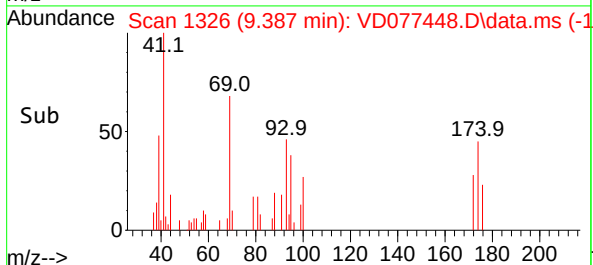
Reviewed By :John Carlone 10/31/2023  
Supervised By :Mahesh Dadoda 10/31/2023

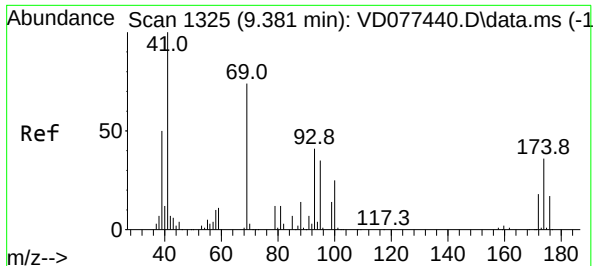


#48  
Methyl methacrylate  
Concen: 1.861 ug/l  
RT: 9.387 min Scan# 1326  
Delta R.T. 0.006 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33



Tgt Ion: 41 Resp: 5846  
Ion Ratio Lower Upper  
41 100  
69 89.9 102.2 153.2#  
39 73.4 41.4 62.2#





#49

1,4-Dioxane

Concen: 48.639 ug/l

RT: 9.387 min Scan# 1325

Delta R.T. 0.006 min

Lab File: VD077448.D

Acq: 30 Oct 2023 15:33

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

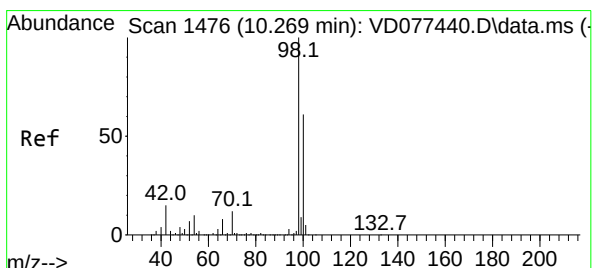
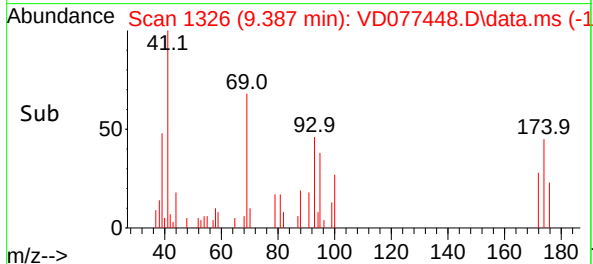
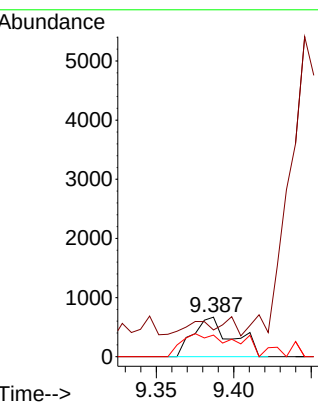
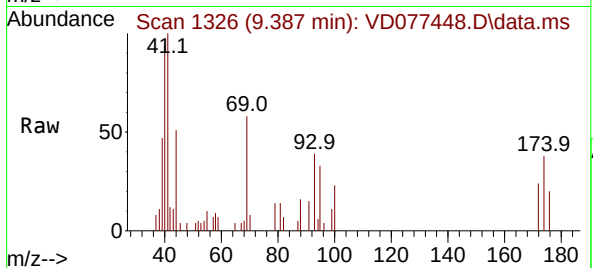
Tgt Ion: 88 Resp: 1173  
 Ion Ratio Lower Upper  
 88 100  
 43 25.5 19.0 28.6  
 58 85.7 43.5 65.3

Manual Integrations

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Reviewed By :John Carlone 10/31/2023

Supervised By :Mahesh Dadoda 10/31/2023



#50

Toluene-d8

Concen: 50.415 ug/l

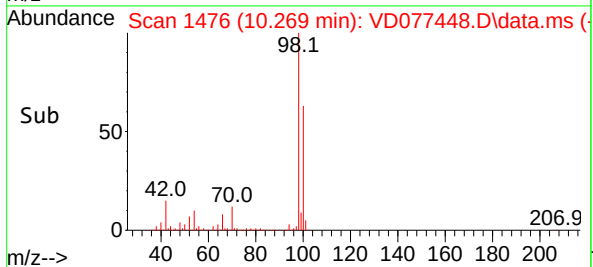
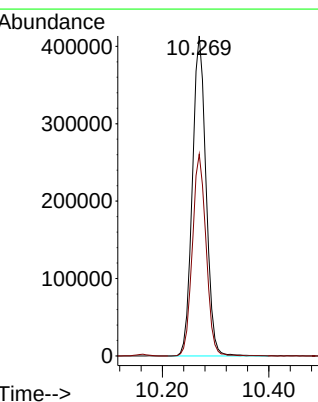
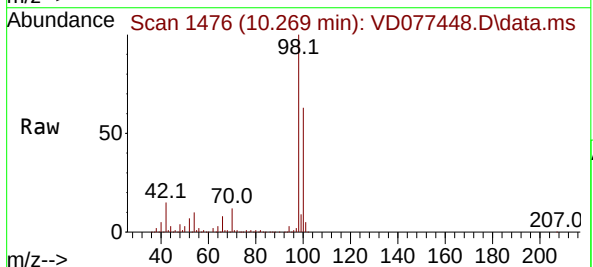
RT: 10.269 min Scan# 1476

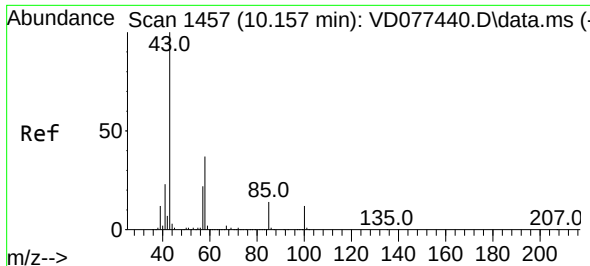
Delta R.T. 0.000 min

Lab File: VD077448.D

Acq: 30 Oct 2023 15:33

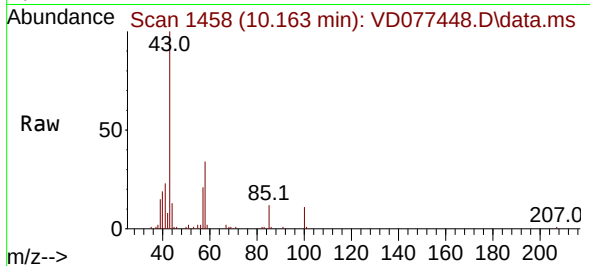
Tgt Ion: 98 Resp: 733724  
 Ion Ratio Lower Upper  
 98 100  
 100 63.3 50.3 75.5





#51  
4-Methyl-2-Pentanone  
Concen: 11.391 ug/l  
RT: 10.163 min Scan# 1458  
Delta R.T. 0.006 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

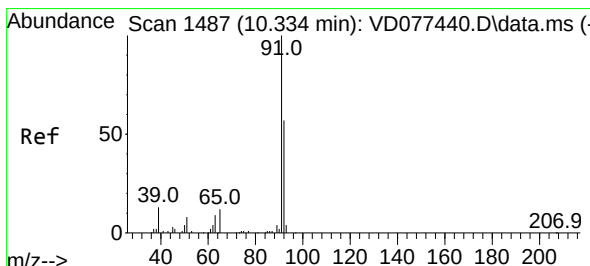
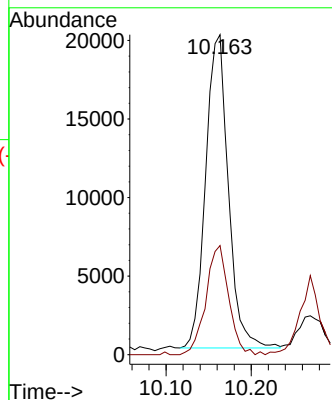
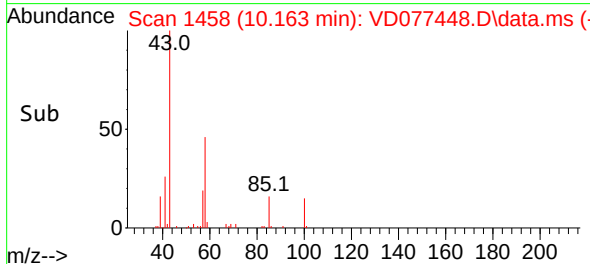
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2023



Tgt Ion: 43 Resp: 3688  
Ion Ratio Lower Upper  
43 100  
58 35.1 38.9 58.3

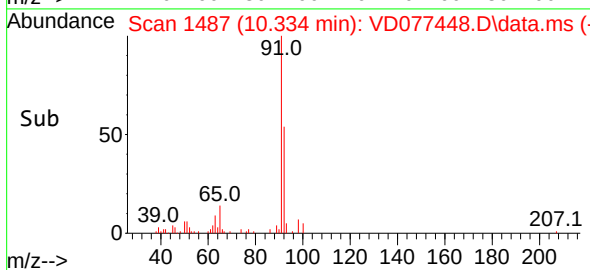
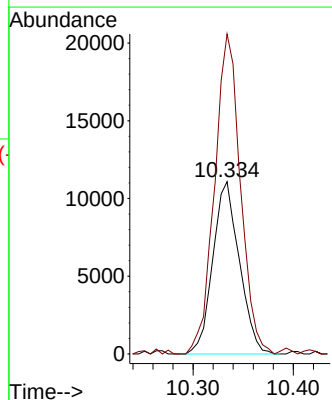
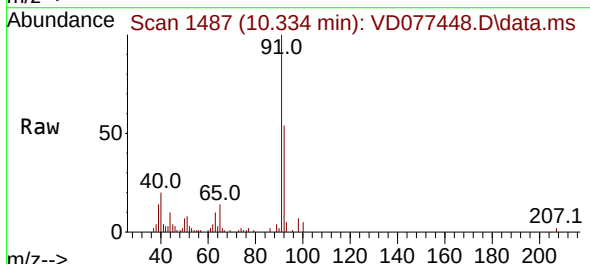
Manual Integrations  
APPROVED

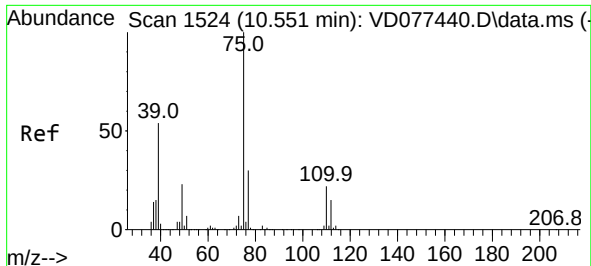
Reviewed By :John Carlone 10/31/2023  
Supervised By :Mahesh Dadoda 10/31/2023



#52  
Toluene  
Concen: 2.106 ug/l  
RT: 10.334 min Scan# 1487  
Delta R.T. 0.000 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

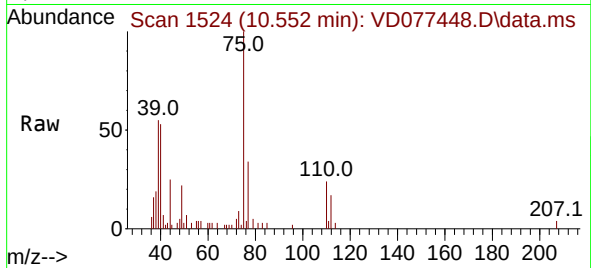
Tgt Ion: 92 Resp: 20342  
Ion Ratio Lower Upper  
92 100  
91 181.5 143.0 214.4





#53  
t-1,3-Dichloropropene  
Concen: 2.290 ug/l  
RT: 10.552 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

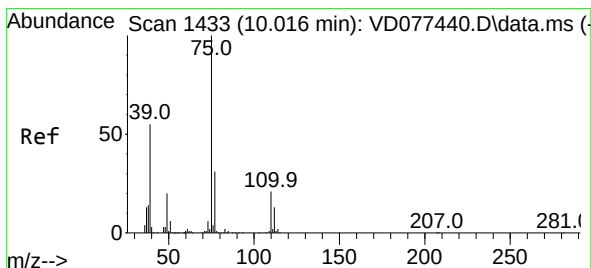
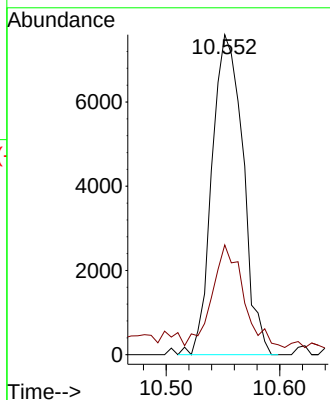
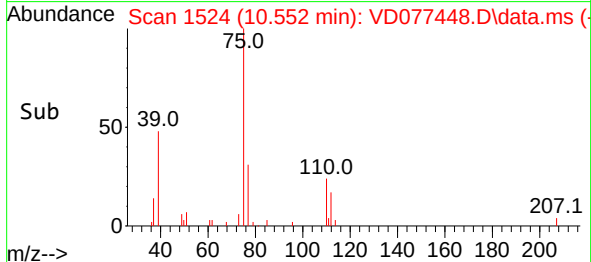
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2023



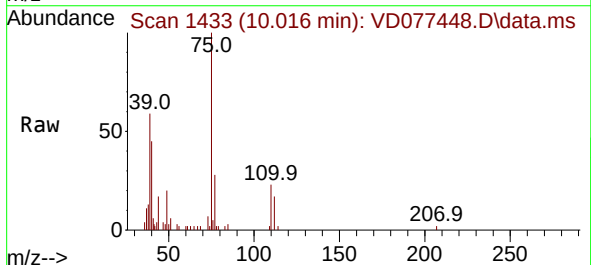
Tgt Ion: 75 Resp: 1438  
Ion Ratio Lower Upper  
75 100  
77 31.2 25.3 37.9

Manual Integrations  
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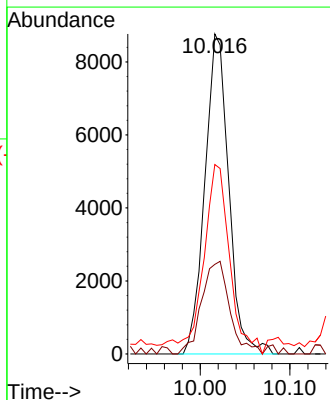
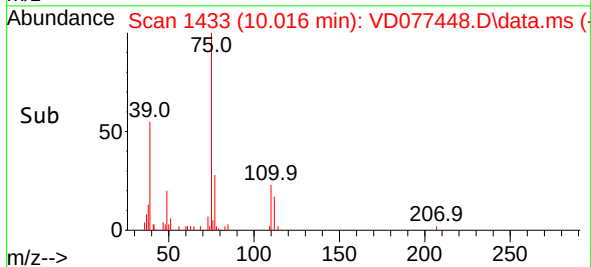
Reviewed By :John Carlone 10/31/2023  
Supervised By :Mahesh Dadoda 10/31/2023

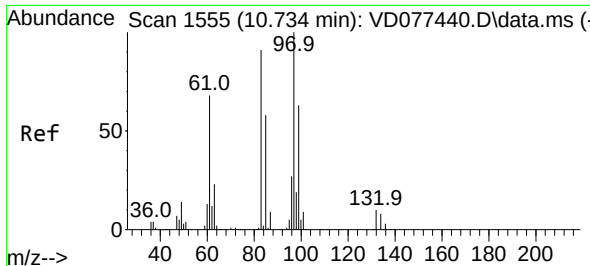


#54  
cis-1,3-Dichloropropene  
Concen: 2.243 ug/l  
RT: 10.016 min Scan# 1433  
Delta R.T. 0.000 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33



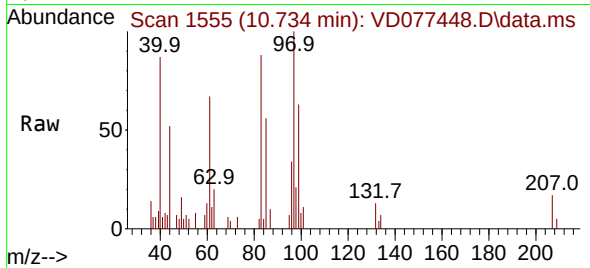
Tgt Ion: 75 Resp: 16213  
Ion Ratio Lower Upper  
75 100  
77 28.0 25.5 38.3  
39 55.8 22.1 33.1#





#55  
1,1,2-Trichloroethane  
Concen: 2.441 ug/l  
RT: 10.734 min Scan# 1555  
Delta R.T. 0.000 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

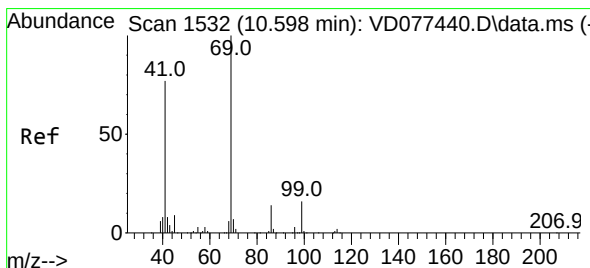
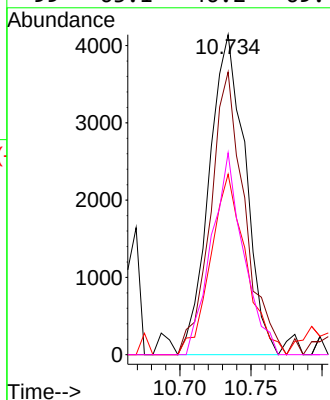
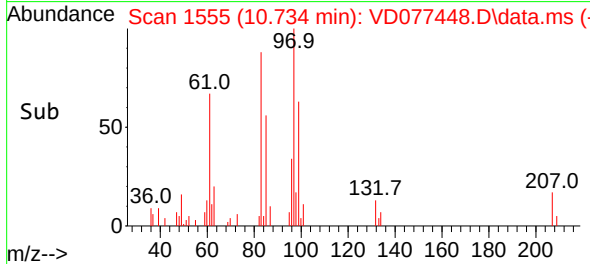
Instrument : MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2023



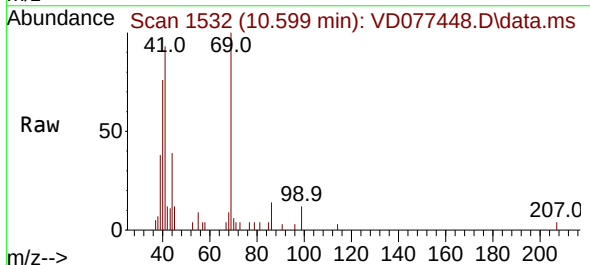
| Tgt Ion: | 97    | Resp: | 7308  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 88.4  | 65.8  | 98.6  |
| 85       | 56.4  | 45.7  | 68.5  |
| 99       | 63.1  | 46.2  | 69.4  |

Manual Integrations  
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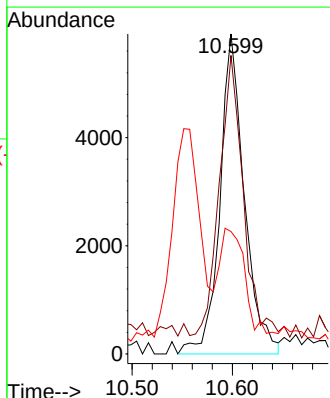
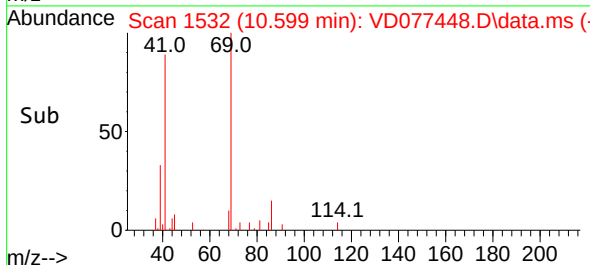
Reviewed By :John Carlone 10/31/2023  
Supervised By :Mahesh Dadoda 10/31/2023



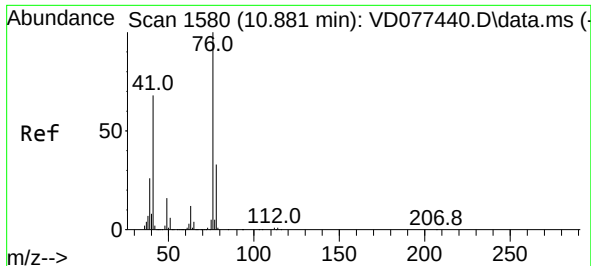
#56  
Ethyl methacrylate  
Concen: 2.254 ug/l  
RT: 10.599 min Scan# 1532  
Delta R.T. 0.000 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33



| Tgt Ion: | 69    | Resp: | 10034 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 86.2  | 39.1  | 58.7# |
| 39       | 35.0  | 20.0  | 30.0# |







#57

1,3-Dichloropropane

Concen: 2.251 ug/l

RT: 10.881 min Scan# 1580

Delta R.T. 0.000 min

Lab File: VD077448.D

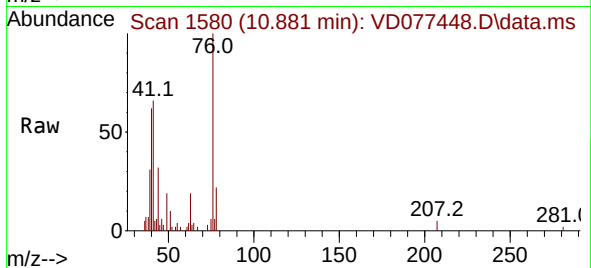
Acq: 30 Oct 2023 15:33

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023



Tgt Ion: 76 Resp: 1259

Ion Ratio Lower Upper

76 100

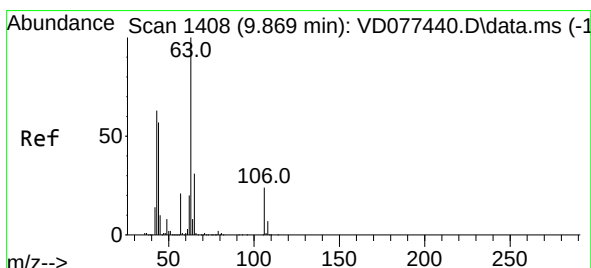
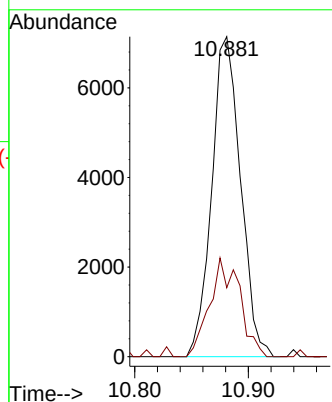
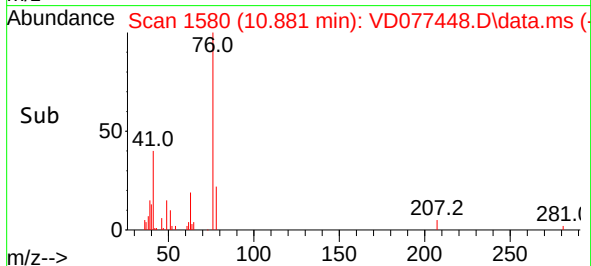
78 32.1 26.4 39.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/31/2023

Supervised By :Mahesh Dadoda 10/31/2023



#58

2-Chloroethyl Vinyl ether

Concen: 9.265 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. 0.000 min

Lab File: VD077448.D

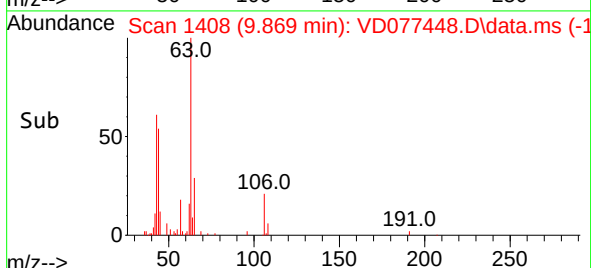
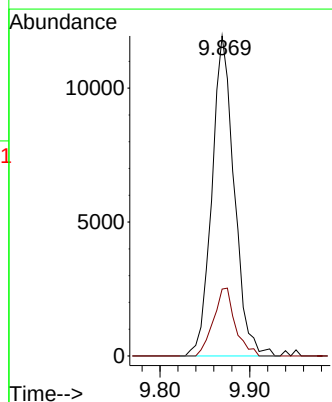
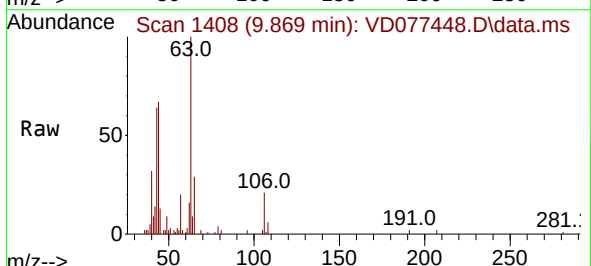
Acq: 30 Oct 2023 15:33

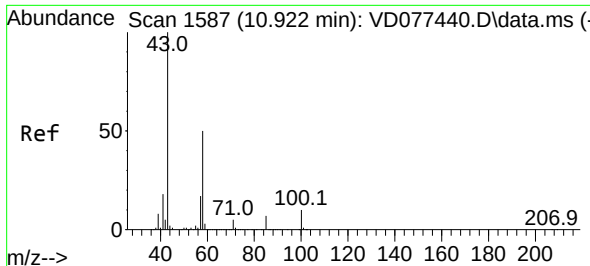
Tgt Ion: 63 Resp: 20650

Ion Ratio Lower Upper

63 100

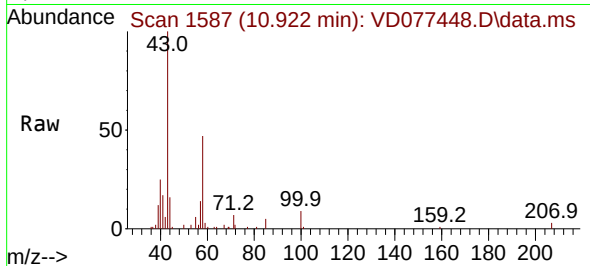
106 20.6 25.3 37.9





#59  
2-Hexanone  
Concen: 11.575 ug/l  
RT: 10.922 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

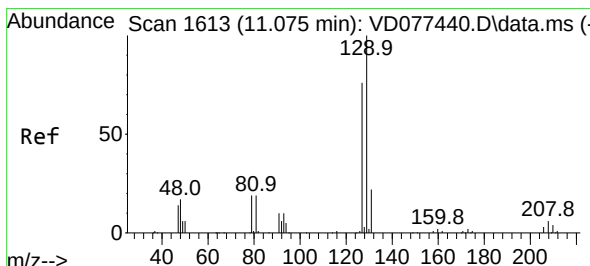
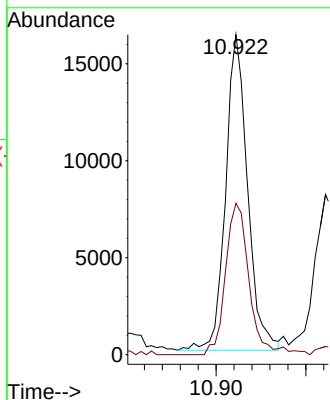
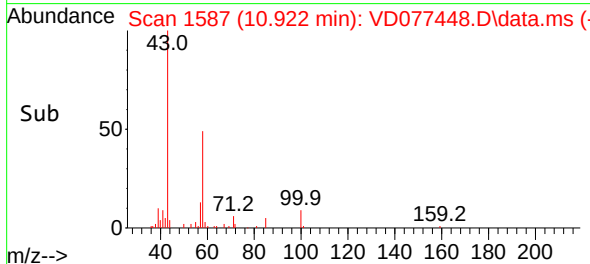
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2023



Tgt Ion: 43 Resp: 27614  
Ion Ratio Lower Upper  
43 100  
58 51.8 34.1 102.2

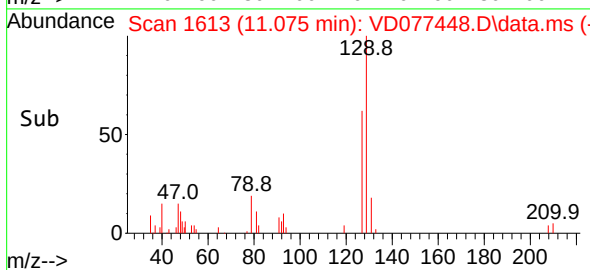
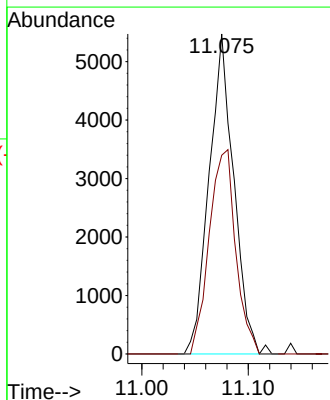
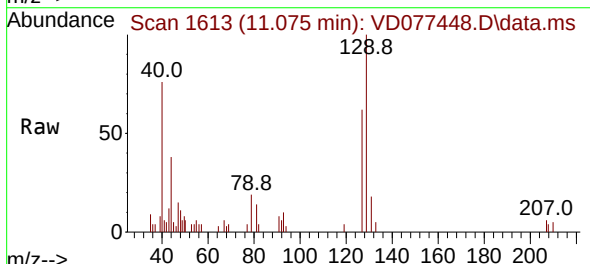
Manual Integrations  
APPROVED

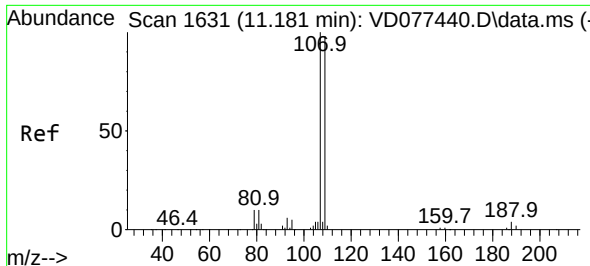
Reviewed By :John Carlone 10/31/2023  
Supervised By :Mahesh Dadoda 10/31/2023



#60  
Dibromochloromethane  
Concen: 2.456 ug/l  
RT: 11.075 min Scan# 1613  
Delta R.T. 0.000 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

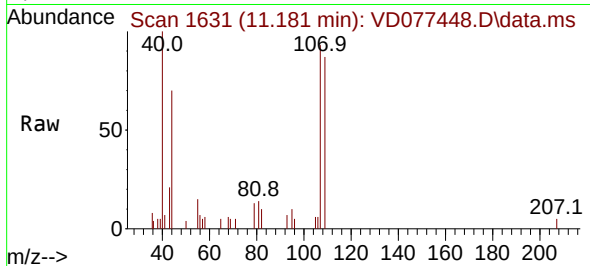
Tgt Ion:129 Resp: 8842  
Ion Ratio Lower Upper  
129 100  
127 68.3 37.1 111.5





#61  
1,2-Dibromoethane  
Concen: 2.155 ug/l  
RT: 11.181 min Scan# 1631  
Delta R.T. 0.000 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

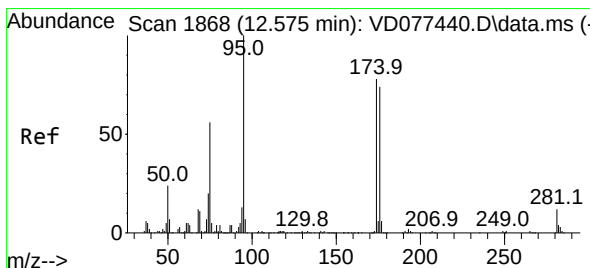
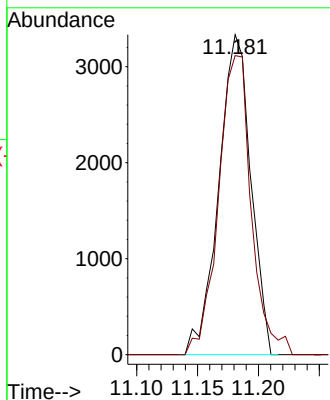
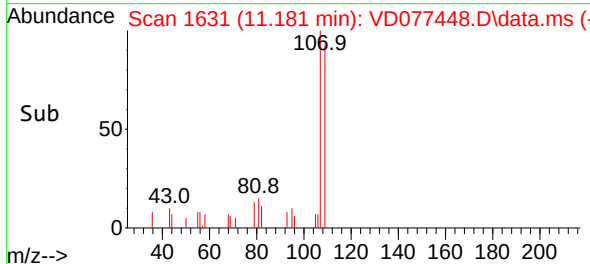
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2023



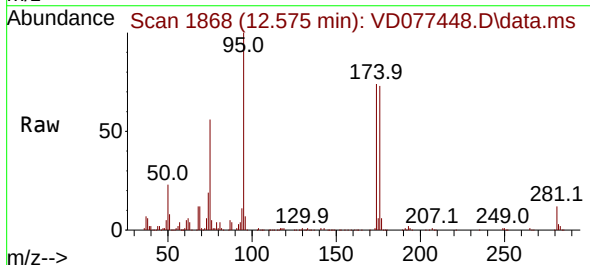
Tgt Ion:107 Resp: 6110  
Ion Ratio Lower Upper  
107 100  
109 95.5 75.6 113.4

Manual Integrations  
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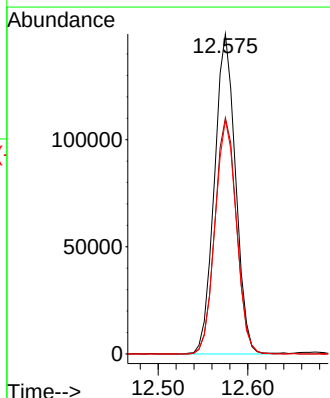
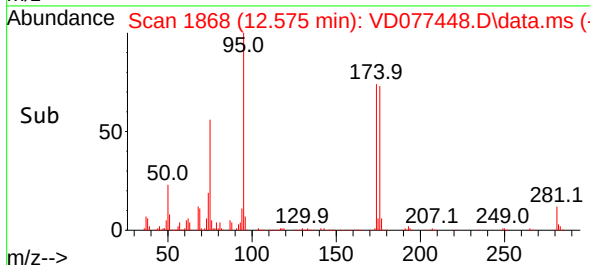
Reviewed By :John Carlone 10/31/2023  
Supervised By :Mahesh Dadoda 10/31/2023

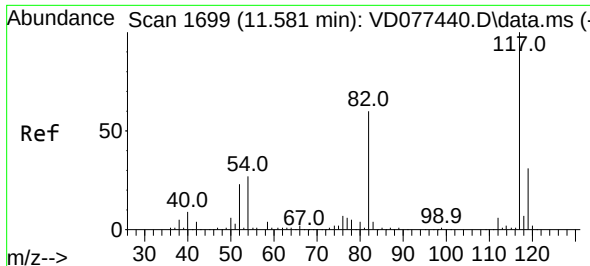


#62  
4-Bromofluorobenzene  
Concen: 49.779 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.000 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33



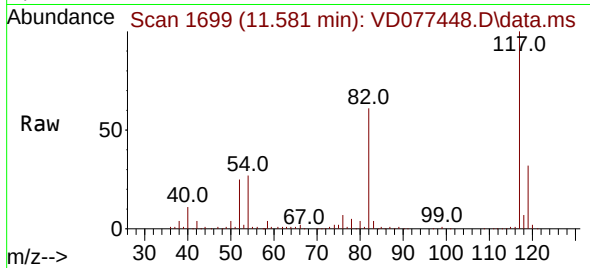
Tgt Ion: 95 Resp: 244007  
Ion Ratio Lower Upper  
95 100  
174 75.2 0.0 201.8  
176 73.7 0.0 191.8





#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1156  
Delta R.T. 0.000 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

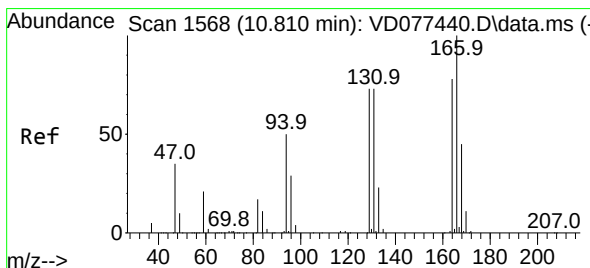
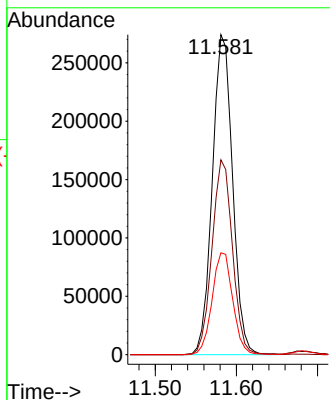
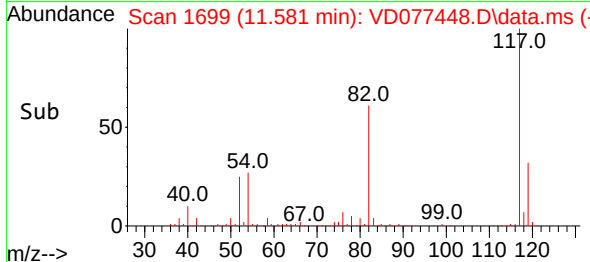
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2023



Tgt Ion:117 Resp: 475442  
Ion Ratio Lower Upper  
117 100  
82 60.9 38.3 57.5  
119 31.8 25.0 37.4

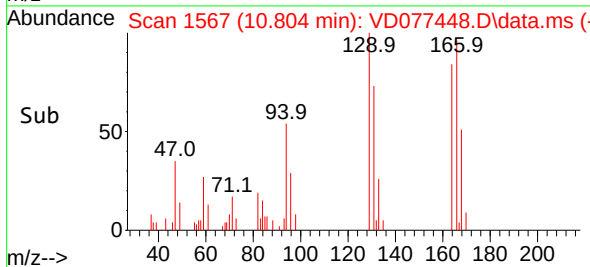
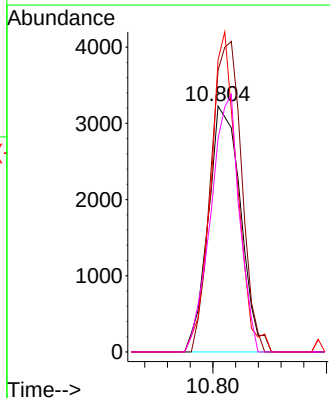
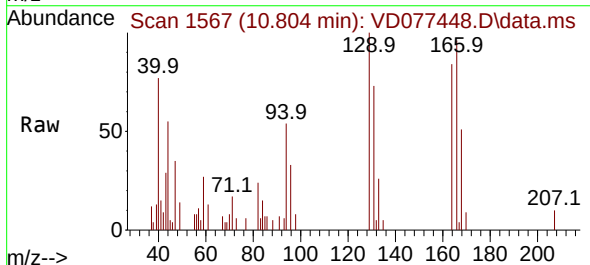
Manual Integrations  
APPROVED

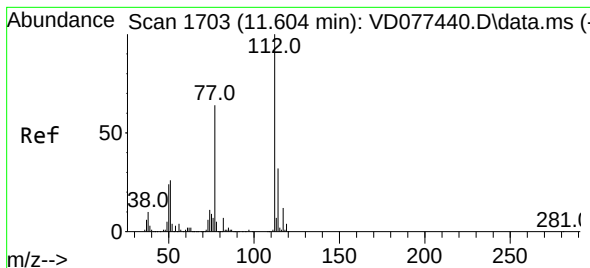
Reviewed By :John Carlone 10/31/2023  
Supervised By :Mahesh Dadoda 10/31/2023



#64  
Tetrachloroethene  
Concen: 2.112 ug/l  
RT: 10.804 min Scan# 1567  
Delta R.T. -0.006 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

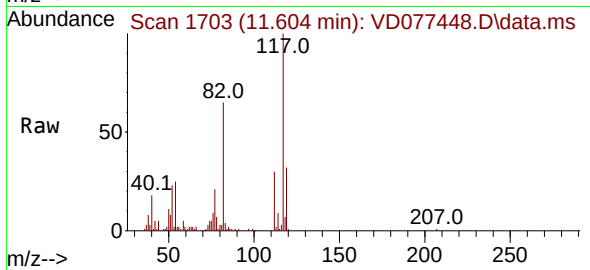
Tgt Ion:164 Resp: 6394  
Ion Ratio Lower Upper  
164 100  
166 114.6 99.2 148.8  
129 118.8 68.4 102.6#  
131 86.8 63.8 95.8





#65  
Chlorobenzene  
Concen: 2.297 ug/l  
RT: 11.604 min Scan# 1703  
Delta R.T. 0.000 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

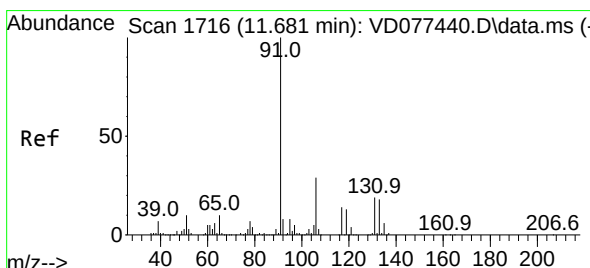
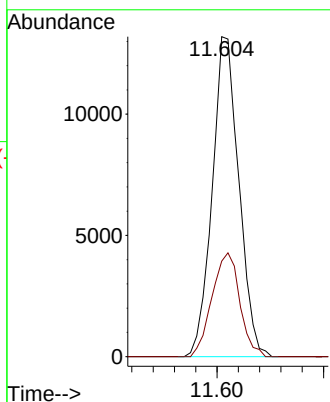
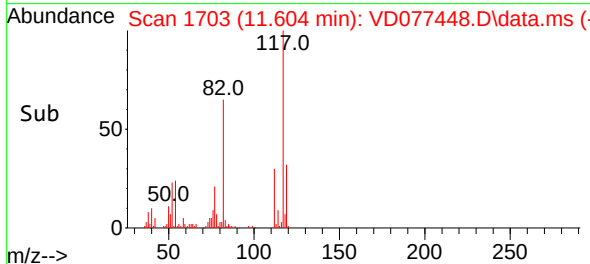
Instrument : MSVOA\_D  
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023



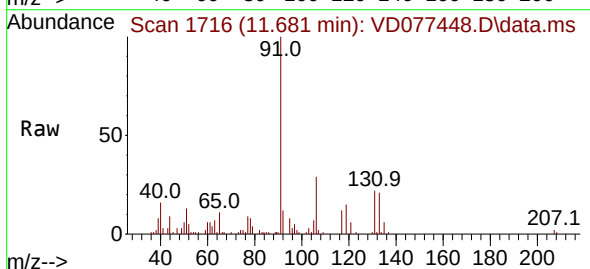
Tgt Ion:112 Resp: 22870  
Ion Ratio Lower Upper  
112 100  
114 29.9 25.1 37.7

Manual Integrations  
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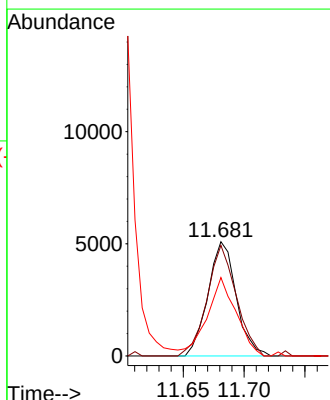
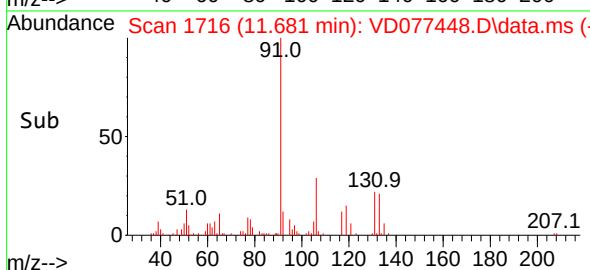
Reviewed By :John Carlone 10/31/2023  
Supervised By :Mahesh Dadoda 10/31/2023

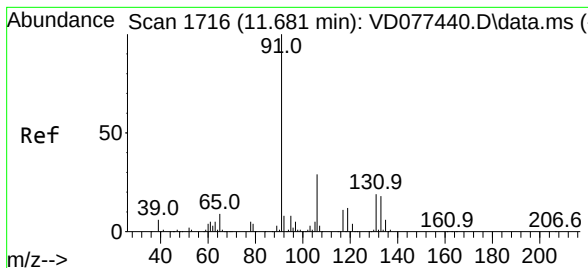


#66  
1,1,1,2-Tetrachloroethane  
Concen: 2.189 ug/l  
RT: 11.681 min Scan# 1716  
Delta R.T. 0.000 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33



Tgt Ion:131 Resp: 8240  
Ion Ratio Lower Upper  
131 100  
133 99.7 48.5 145.5  
119 70.8 35.6 106.9





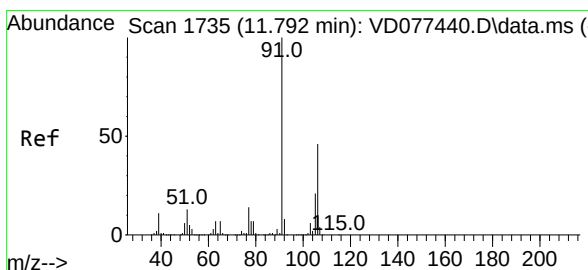
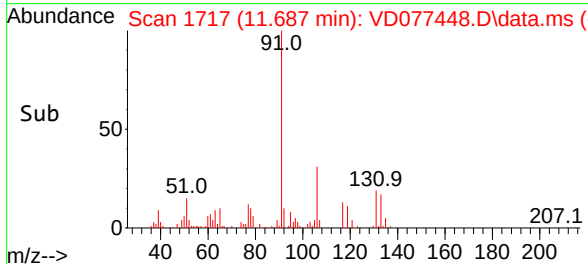
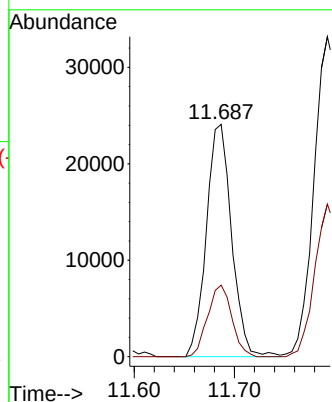
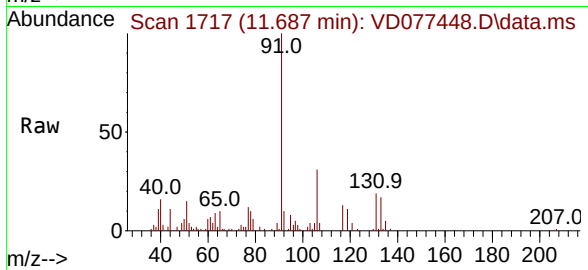
#67  
Ethyl Benzene  
Concen: 2.201 ug/l  
RT: 11.687 min Scan# 1716  
Delta R.T. 0.006 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

Instrument : MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion: 91 Resp: 42175  
Ion Ratio Lower Upper  
91 100  
106 30.8 26.5 39.7

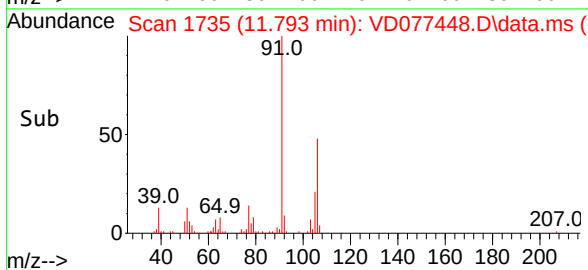
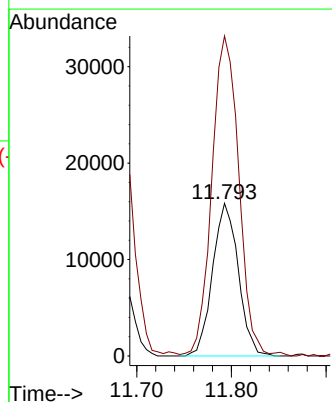
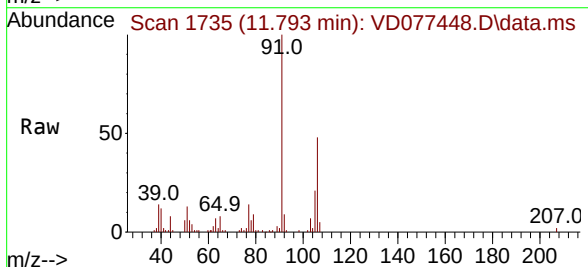
Manual Integrations  
APPROVED

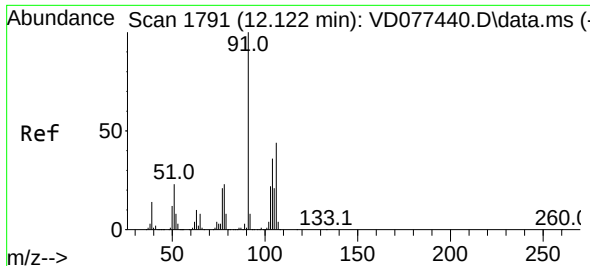
Reviewed By :John Carlone 10/31/2023  
Supervised By :Mahesh Dadoda 10/31/2023



#68  
m/p-Xylenes  
Concen: 4.311 ug/l  
RT: 11.793 min Scan# 1735  
Delta R.T. 0.000 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

Tgt Ion:106 Resp: 29837  
Ion Ratio Lower Upper  
106 100  
91 220.1 147.0 220.6





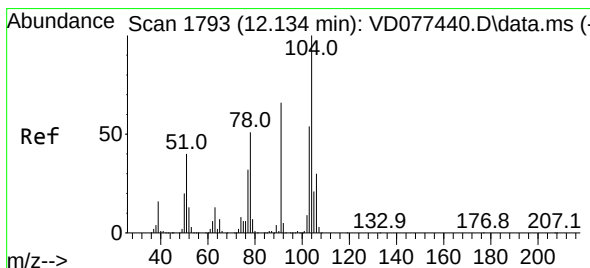
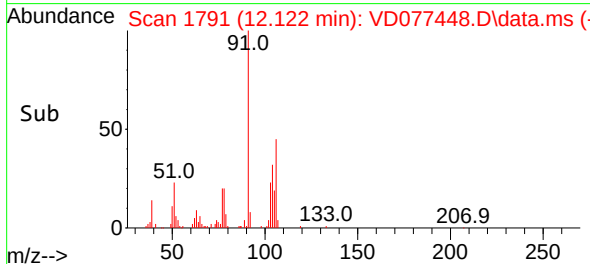
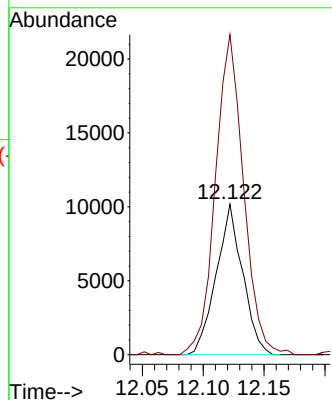
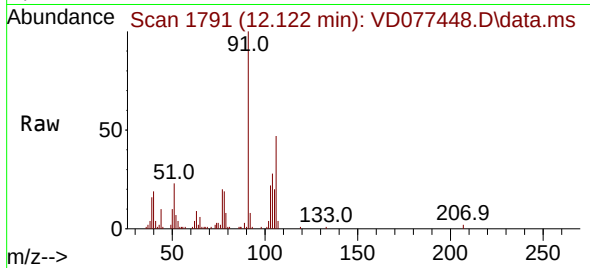
#69  
o-Xylene  
Concen: 2.318 ug/l  
RT: 12.122 min Scan# 1791  
Delta R.T. 0.000 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:106 Resp: 15364  
Ion Ratio Lower Upper  
106 100  
91 226.5 97.9 293.6

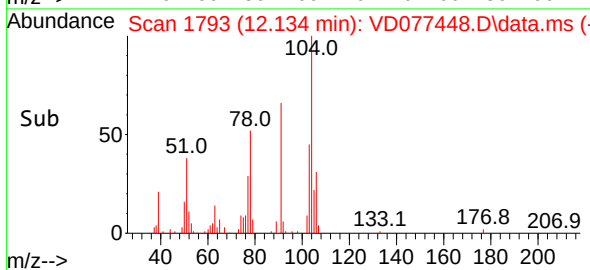
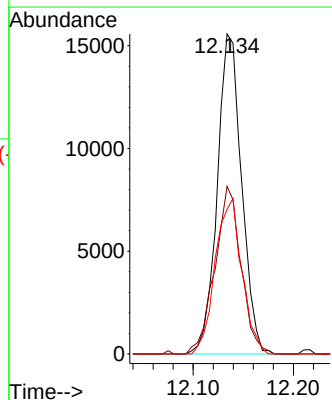
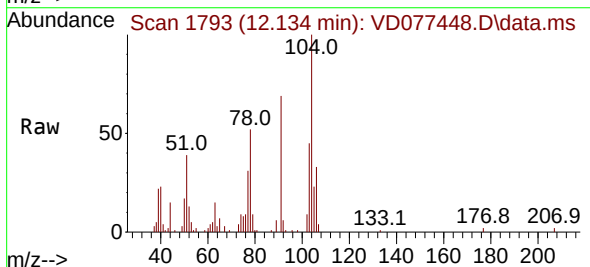
Manual Integrations  
APPROVED

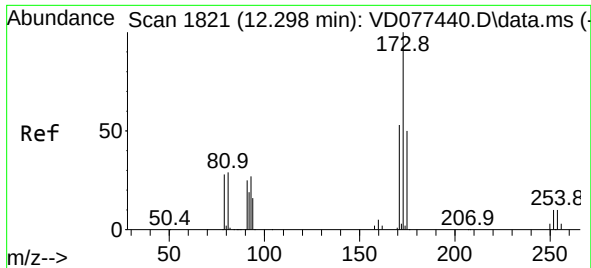
Reviewed By :John Carlone 10/31/2023  
Supervised By :Mahesh Dadoda 10/31/2023



#70  
Styrene  
Concen: 2.300 ug/l  
RT: 12.134 min Scan# 1793  
Delta R.T. 0.000 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

Tgt Ion:104 Resp: 26307  
Ion Ratio Lower Upper  
104 100  
78 56.2 33.2 49.8#  
103 53.2 43.6 65.4





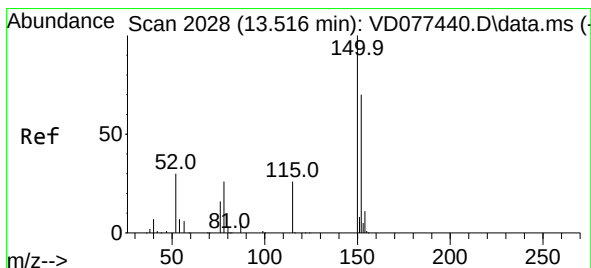
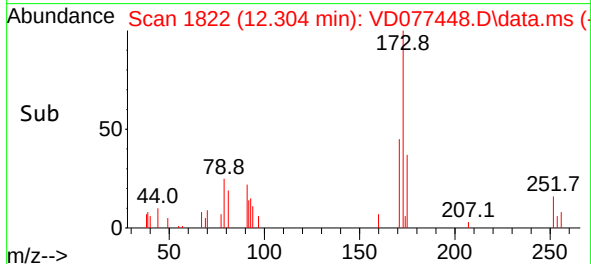
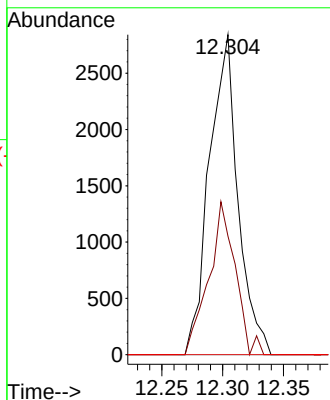
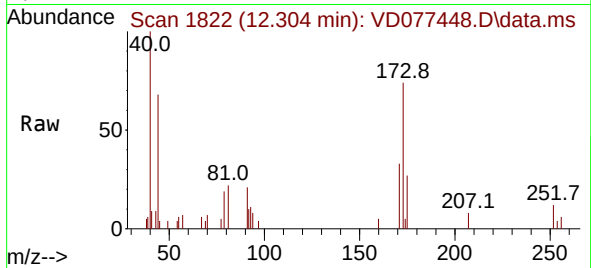
#71  
Bromoform  
Concen: 2.227 ug/l  
RT: 12.304 min Scan# 1821  
Delta R.T. 0.006 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:173 Resp: 4648  
Ion Ratio Lower Upper  
173 100  
175 44.3 24.6 73.8  
254 0.0 0.0 0.0

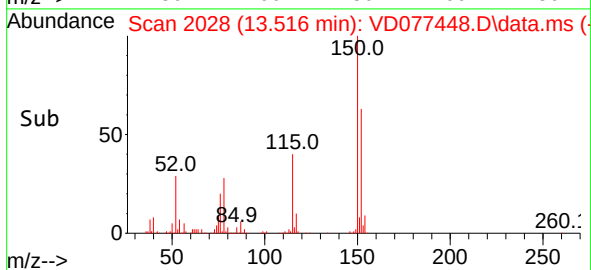
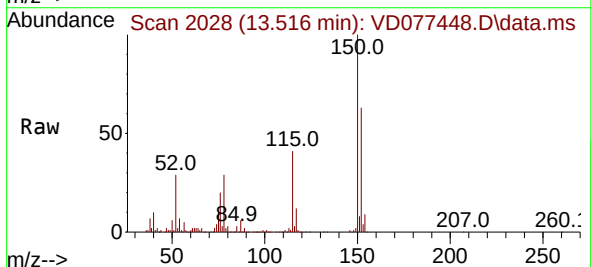
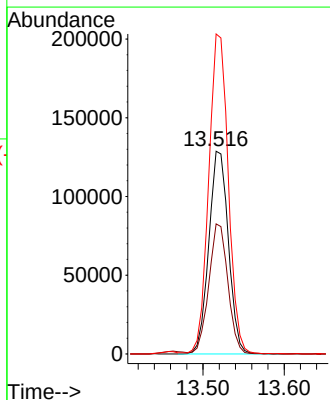
Manual Integrations  
APPROVED

Reviewed By :John Carlone 10/31/2023  
Supervised By :Mahesh Dadoda 10/31/2023

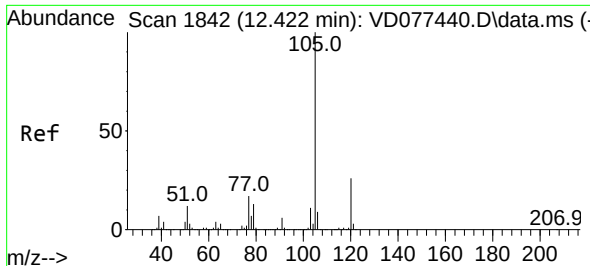


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. 0.000 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

Tgt Ion:152 Resp: 215629  
Ion Ratio Lower Upper  
152 100  
115 62.6 27.1 81.3  
150 157.2 0.0 353.6

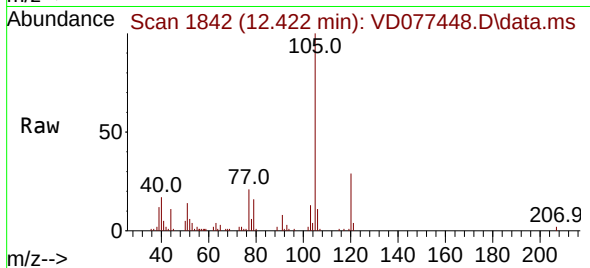






#73  
Isopropylbenzene  
Concen: 2.185 ug/l  
RT: 12.422 min Scan# 1842  
Delta R.T. 0.000 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

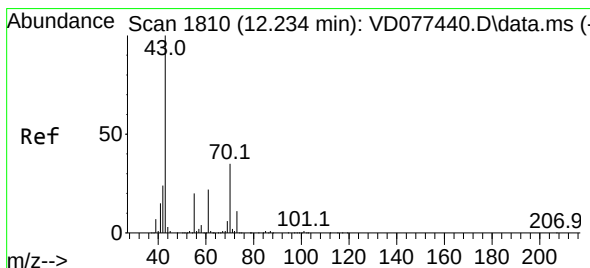
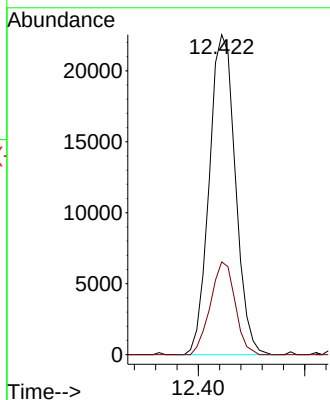
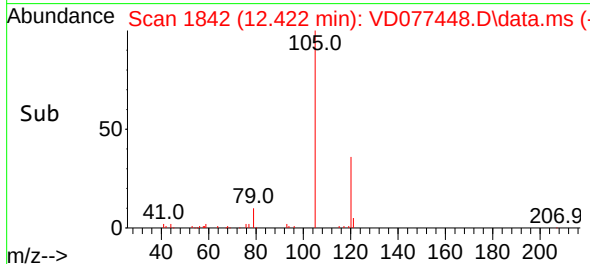
Instrument : MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2023



Tgt Ion: 105 Resp: 3841  
Ion Ratio Lower Upper  
105 100  
120 27.4 14.3 42.9

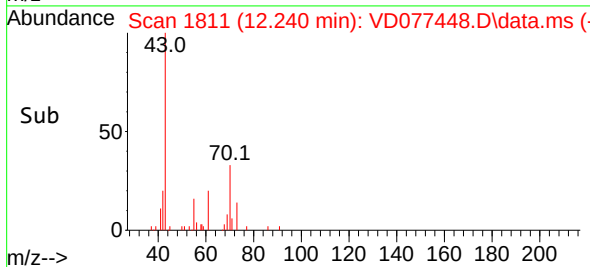
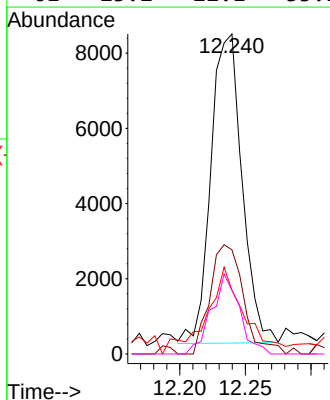
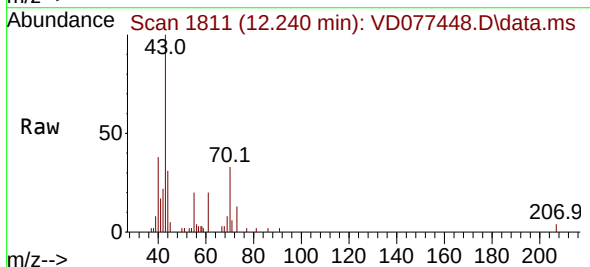
Manual Integrations  
APPROVED

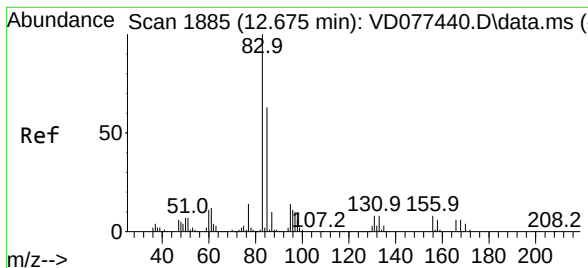
Reviewed By :John Carlone 10/31/2023  
Supervised By :Mahesh Dadoda 10/31/2023



#74  
N-ethyl acetate  
Concen: 2.182 ug/l  
RT: 12.240 min Scan# 1811  
Delta R.T. 0.006 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

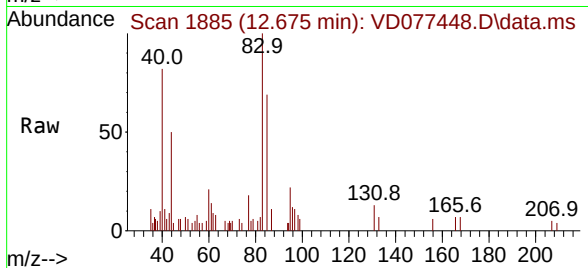
Tgt Ion: 43 Resp: 13587  
Ion Ratio Lower Upper  
43 100  
70 38.3 45.0 67.4#  
55 33.9 23.8 35.6  
61 23.2 22.1 33.1





#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 2.296 ug/l  
 RT: 12.675 min Scan# 1885  
 Delta R.T. 0.000 min  
 Lab File: VD077448.D  
 Acq: 30 Oct 2023 15:33

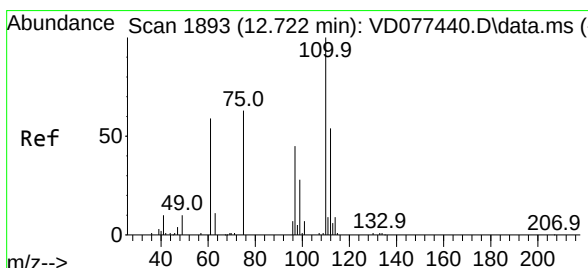
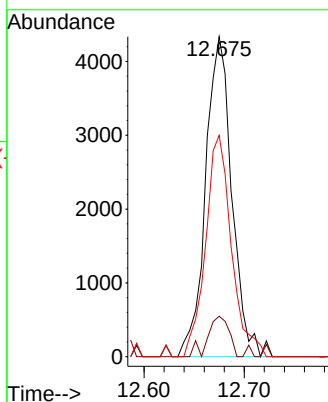
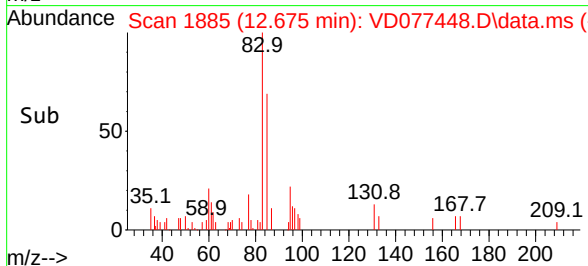
Instrument : MSVOA\_D  
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2023



Tgt Ion: 83 Resp: 791  
 Ion Ratio Lower Upper  
 83 100  
 131 10.1 5.1 15.3  
 85 67.9 32.6 97.8

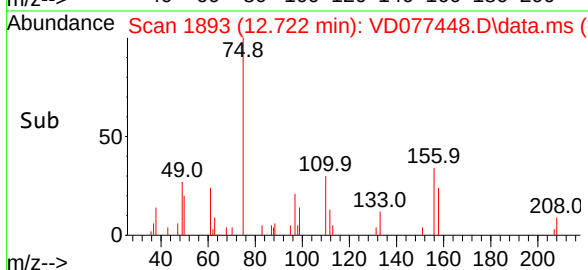
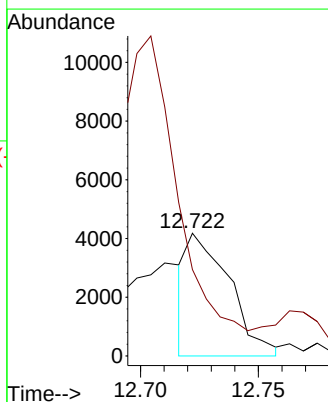
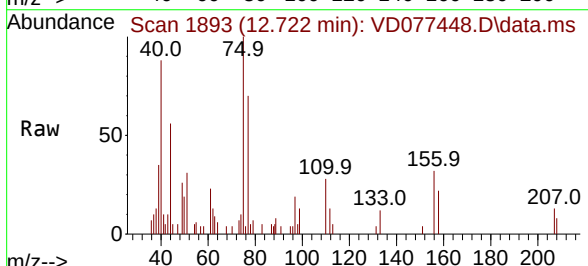
Manual Integrations  
 APPROVED

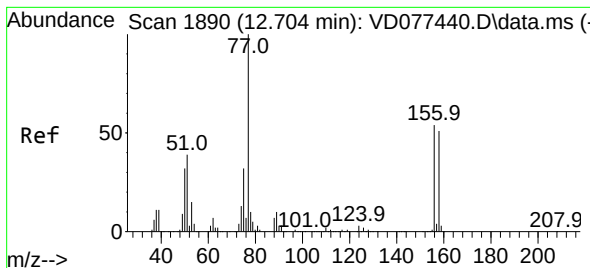
Reviewed By :John Carlone 10/31/2023  
 Supervised By :Mahesh Dadoda 10/31/2023



#76  
 1,2,3-Trichloropropane  
 Concen: 1.996 ug/l m  
 RT: 12.722 min Scan# 1893  
 Delta R.T. 0.000 min  
 Lab File: VD077448.D  
 Acq: 30 Oct 2023 15:33

Tgt Ion: 75 Resp: 5239  
 Ion Ratio Lower Upper  
 75 100  
 77 394.2 0.0 0.0#





#77

Bromobenzene

Concen: 2.335 ug/l

RT: 12.704 min Scan# 1890

Delta R.T. 0.000 min

Lab File: VD077448.D

Acq: 30 Oct 2023 15:33

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

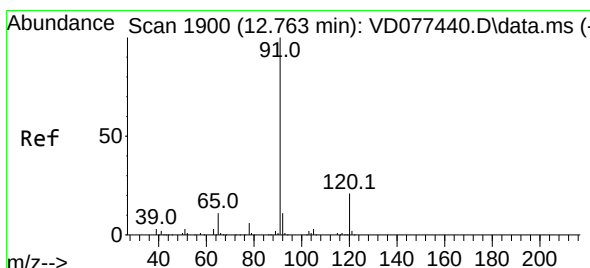
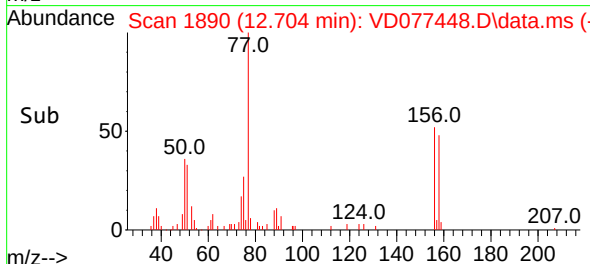
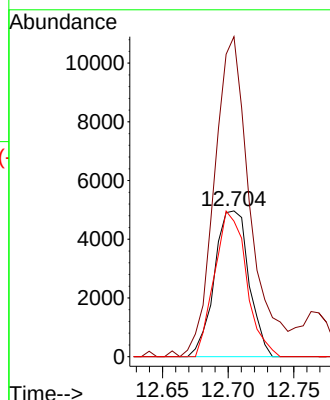
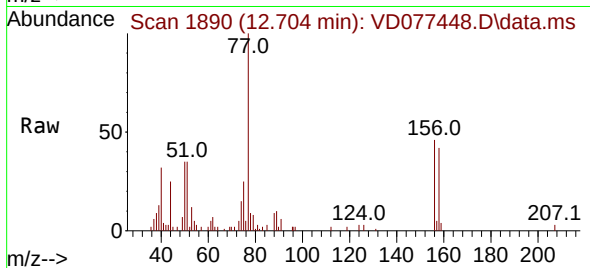
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 156   | Resp: | 9034  |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 228.6 | 76.8  | 230.4 |
| 158       | 92.6  | 48.6  | 145.9 |

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/31/2023

Supervised By :Mahesh Dadoda 10/31/2023



#78

n-propylbenzene

Concen: 2.290 ug/l

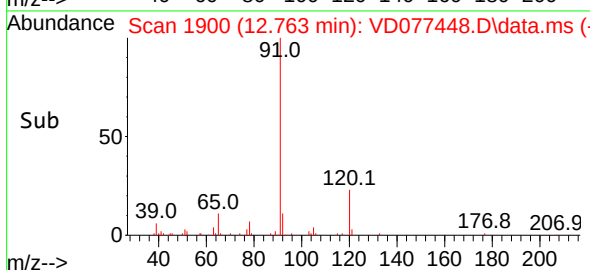
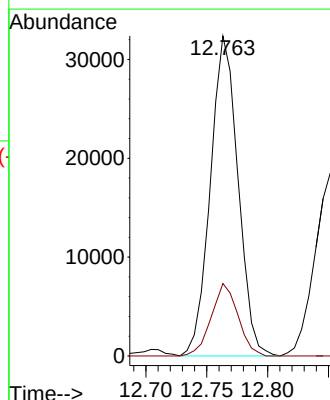
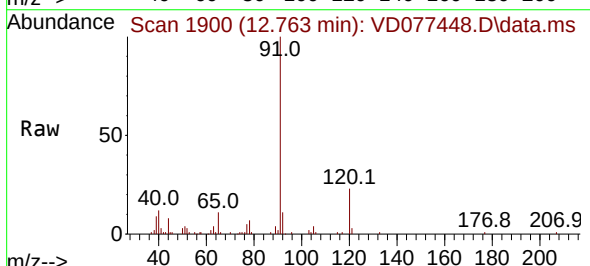
RT: 12.763 min Scan# 1900

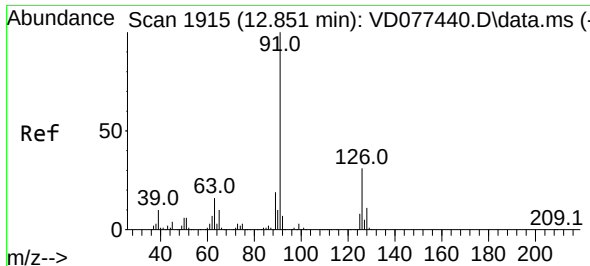
Delta R.T. 0.000 min

Lab File: VD077448.D

Acq: 30 Oct 2023 15:33

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 91    | Resp: | 51128 |
| Ion Ratio | Lower | Upper |       |
| 91        | 100   |       |       |
| 120       | 21.9  | 12.4  | 37.2  |





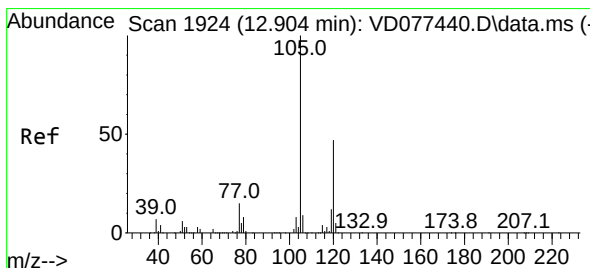
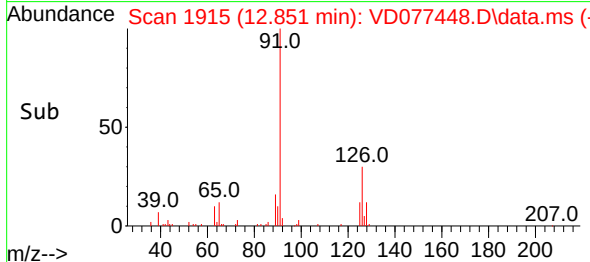
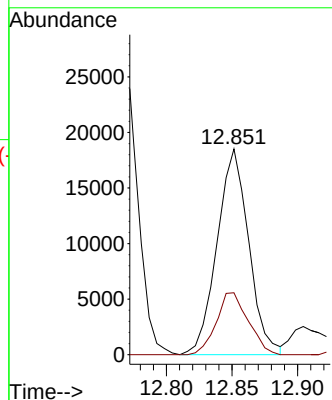
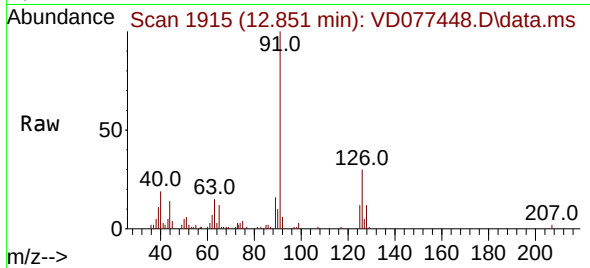
#79  
2-Chlorotoluene  
Concen: 2.464 ug/l  
RT: 12.851 min Scan# 1915  
Delta R.T. 0.000 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

Instrument : MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion: 91 Resp: 31140  
Ion Ratio Lower Upper  
91 100  
126 30.4 19.4 58.1

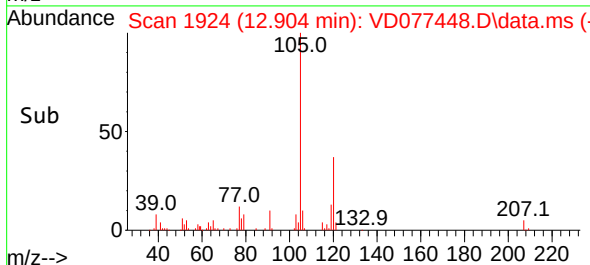
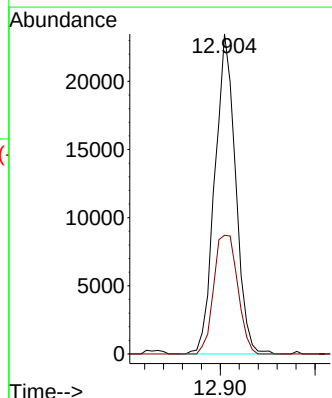
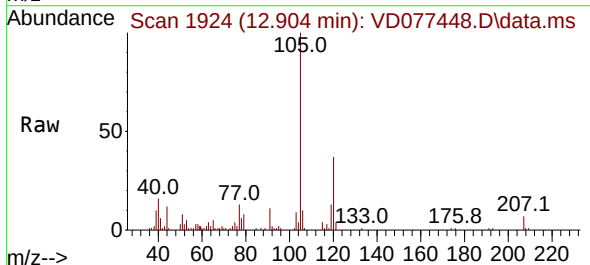
Manual Integrations  
APPROVED

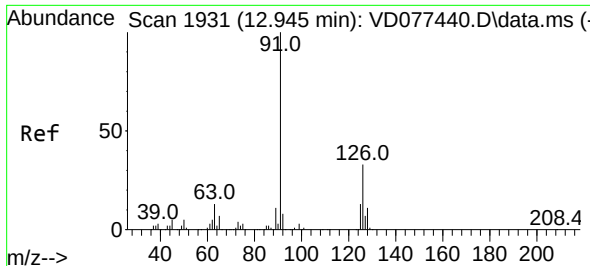
Reviewed By :John Carlone 10/31/2023  
Supervised By :Mahesh Dadoda 10/31/2023



#80  
1,3,5-Trimethylbenzene  
Concen: 2.422 ug/l  
RT: 12.904 min Scan# 1924  
Delta R.T. 0.000 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

Tgt Ion:105 Resp: 35723  
Ion Ratio Lower Upper  
105 100  
120 42.9 26.4 79.2





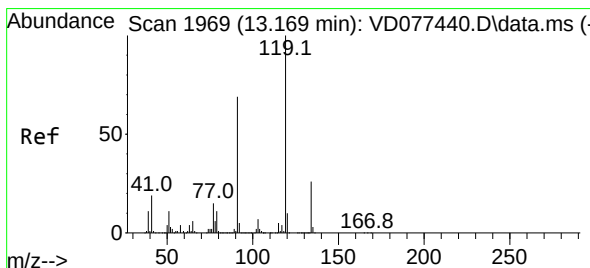
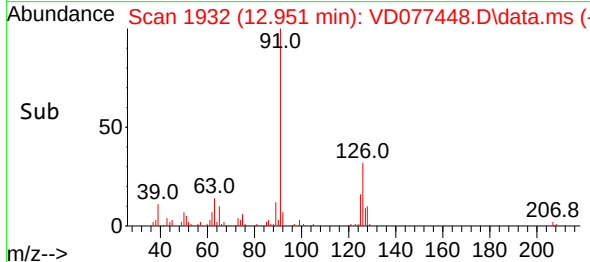
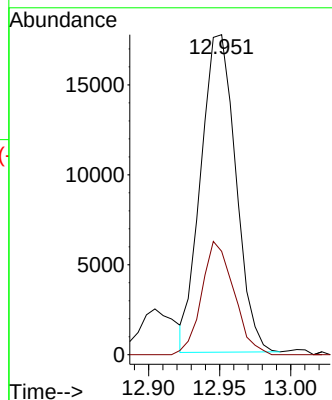
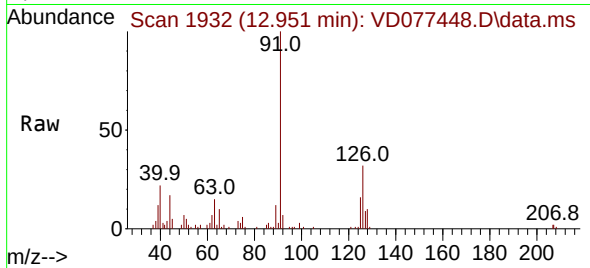
#82  
4-Chlorotoluene  
Concen: 2.299 ug/l  
RT: 12.951 min Scan# 1932  
Delta R.T. 0.006 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

Instrument : MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion: 91 Resp: 3026  
Ion Ratio Lower Upper  
91 100  
126 32.8 19.4 58.4

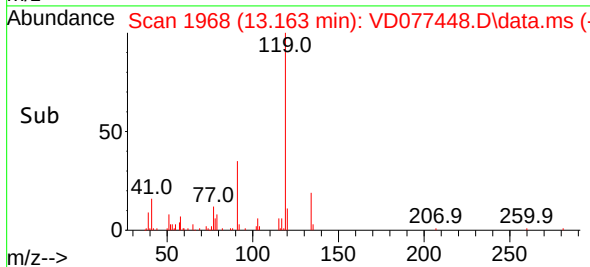
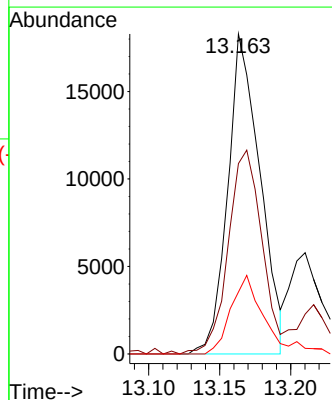
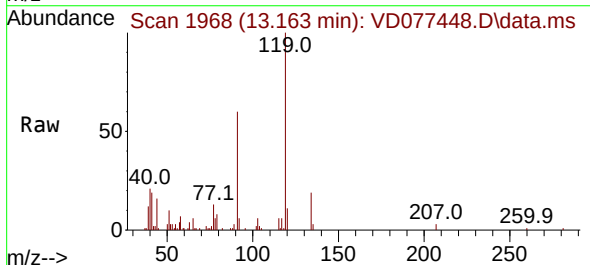
Manual Integrations  
APPROVED

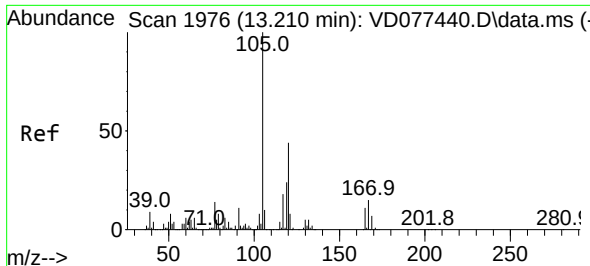
Reviewed By :John Carlone 10/31/2023  
Supervised By :Mahesh Dadoda 10/31/2023



#83  
tert-Butylbenzene  
Concen: 2.330 ug/l  
RT: 13.163 min Scan# 1968  
Delta R.T. -0.006 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

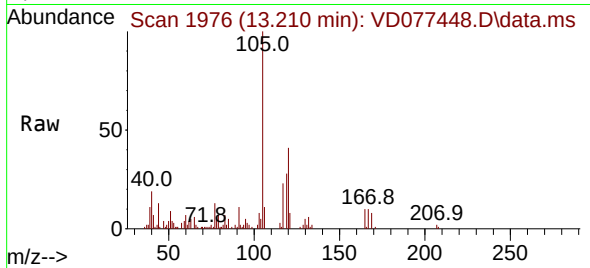
Tgt Ion:119 Resp: 28897  
Ion Ratio Lower Upper  
119 100  
91 67.8 29.3 87.8  
134 25.7 14.1 42.3





#84  
1,2,4-Trimethylbenzene  
Concen: 2.331 ug/l  
RT: 13.210 min Scan# 1976  
Delta R.T. 0.000 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

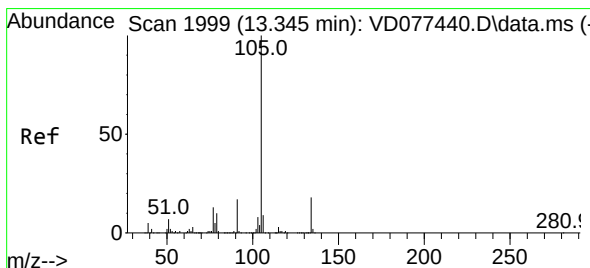
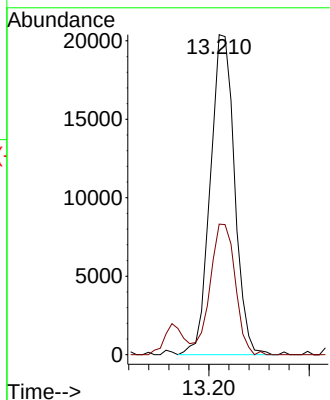
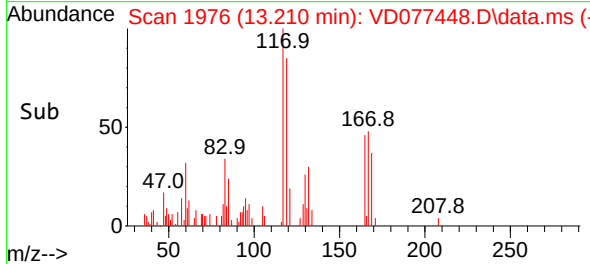
Instrument : MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2023



Tgt Ion:105 Resp: 3416  
Ion Ratio Lower Upper  
105 100  
120 42.3 24.3 72.9

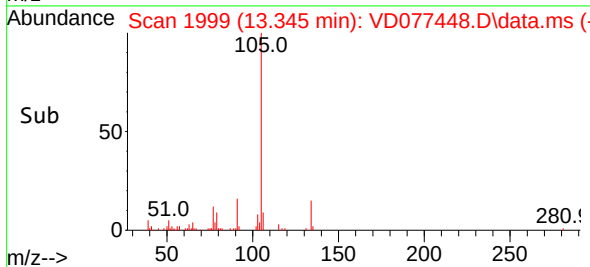
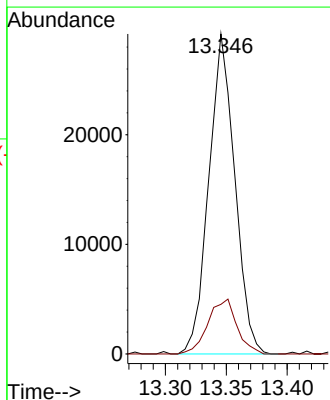
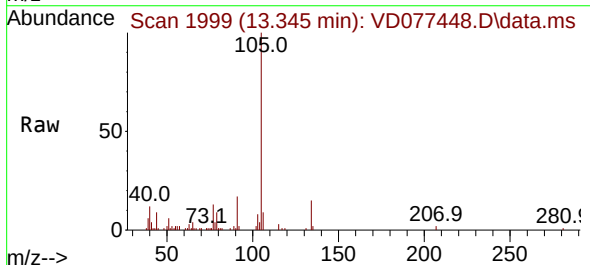
Manual Integrations  
APPROVED

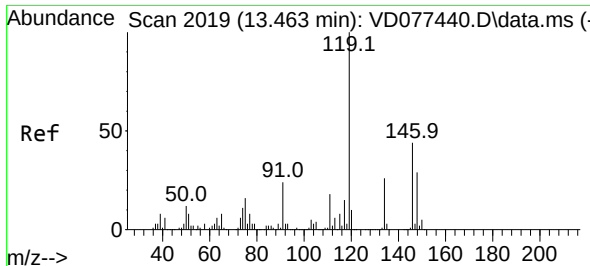
Reviewed By :John Carlone 10/31/2023  
Supervised By :Mahesh Dadoda 10/31/2023



#85  
sec-Butylbenzene  
Concen: 2.284 ug/l  
RT: 13.345 min Scan# 1999  
Delta R.T. 0.000 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

Tgt Ion:105 Resp: 43349  
Ion Ratio Lower Upper  
105 100  
134 19.1 10.9 32.9





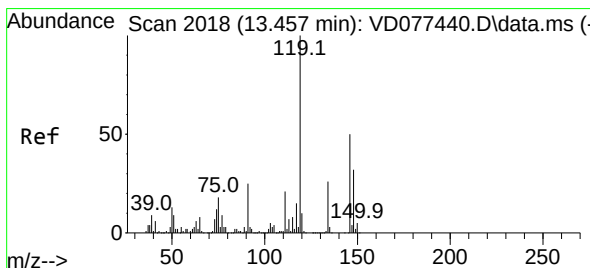
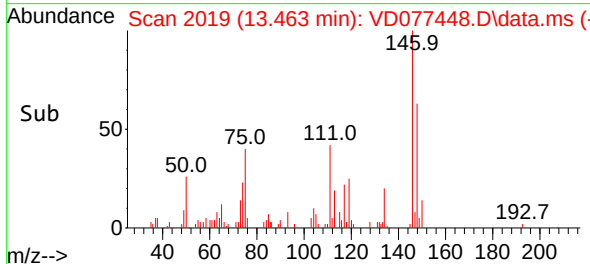
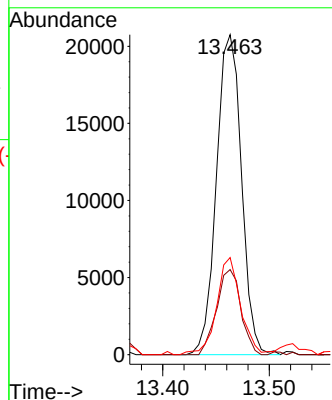
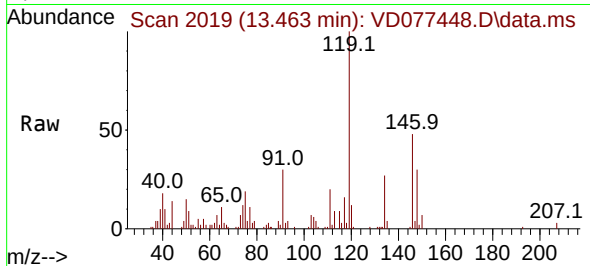
#86  
p-Isopropyltoluene  
Concen: 2.197 ug/l  
RT: 13.463 min Scan# 2019  
Delta R.T. 0.000 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:119 Resp: 3388  
Ion Ratio Lower Upper  
119 100  
134 25.7 14.2 42.6  
91 29.0 10.5 31.5

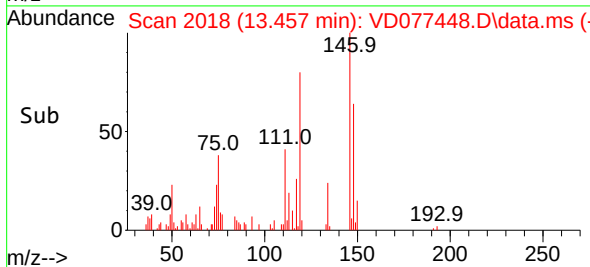
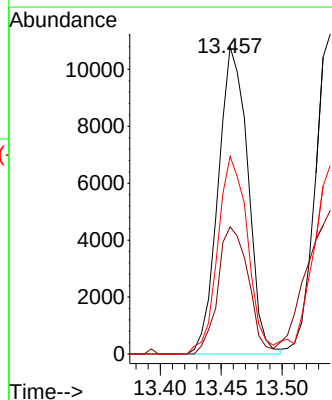
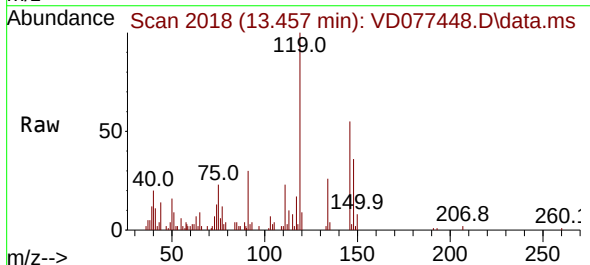
Manual Integrations  
APPROVED

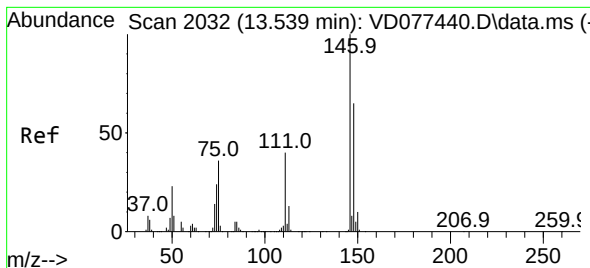
Reviewed By :John Carlone 10/31/2023  
Supervised By :Mahesh Dadoda 10/31/2023



#87  
1,3-Dichlorobenzene  
Concen: 2.402 ug/l  
RT: 13.457 min Scan# 2018  
Delta R.T. 0.000 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

Tgt Ion:146 Resp: 18272  
Ion Ratio Lower Upper  
146 100  
111 42.4 17.9 53.8  
148 64.9 32.3 96.8





#88

1,4-Dichlorobenzene

Concen: 2.431 ug/l m

RT: 13.540 min Scan# 2032

Delta R.T. 0.000 min

Lab File: VD077448.D

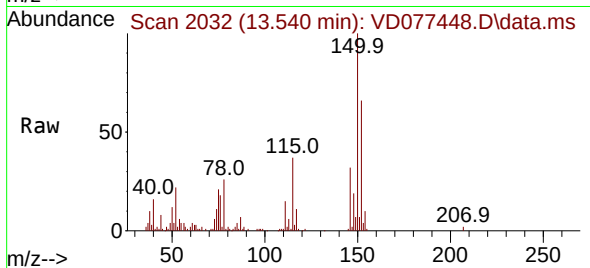
Acq: 30 Oct 2023 15:33

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023



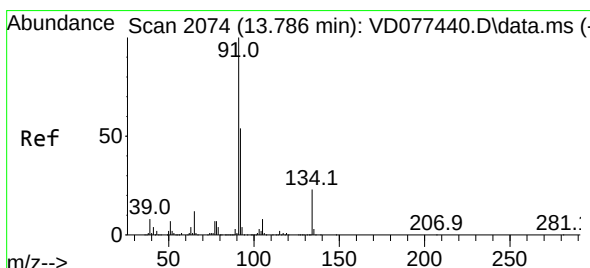
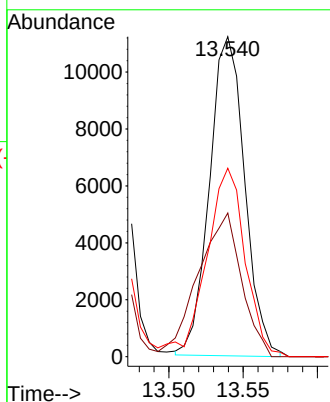
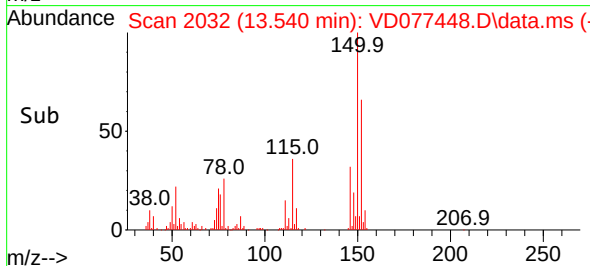
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 146   | Resp: | 1847 |
| Ion Ratio | Lower | Upper |      |
| 146       | 100   |       |      |
| 111       | 41.9  | 17.4  | 52.3 |
| 148       | 64.2  | 31.7  | 95.1 |

Manual Integrations

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Reviewed By :John Carlone 10/31/2023

Supervised By :Mahesh Dadoda 10/31/2023



#89

n-Butylbenzene

Concen: 2.405 ug/l

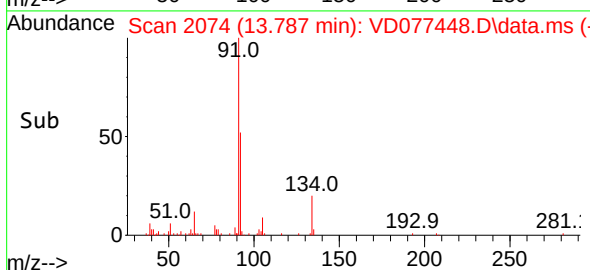
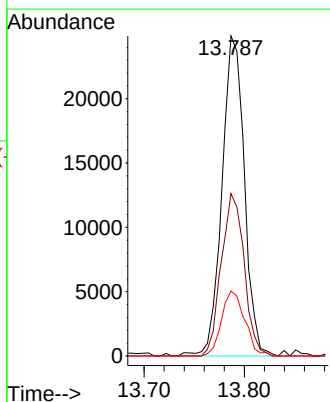
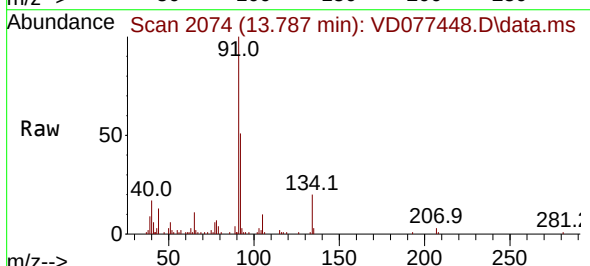
RT: 13.787 min Scan# 2074

Delta R.T. 0.000 min

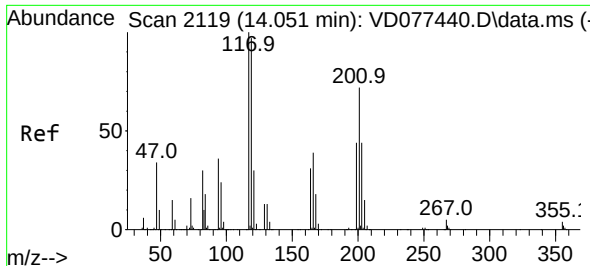
Lab File: VD077448.D

Acq: 30 Oct 2023 15:33

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 91    | Resp: | 38559 |
| Ion Ratio | Lower | Upper |       |
| 91        | 100   |       |       |
| 92        | 51.8  | 26.5  | 79.5  |
| 134       | 21.0  | 13.8  | 41.3  |







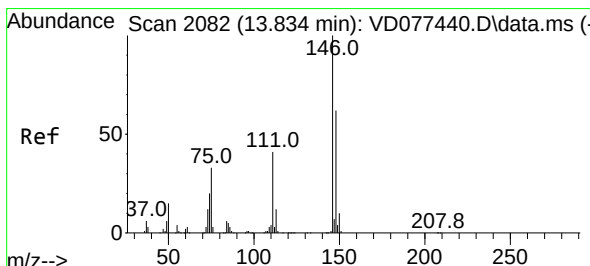
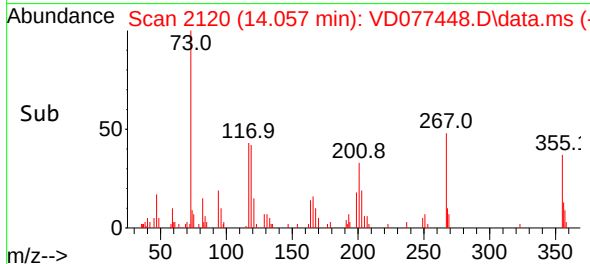
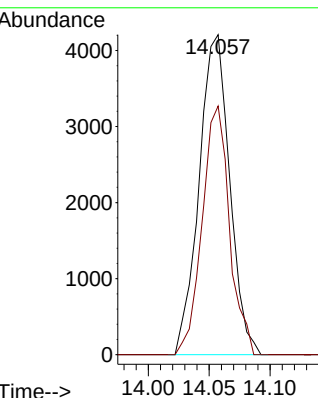
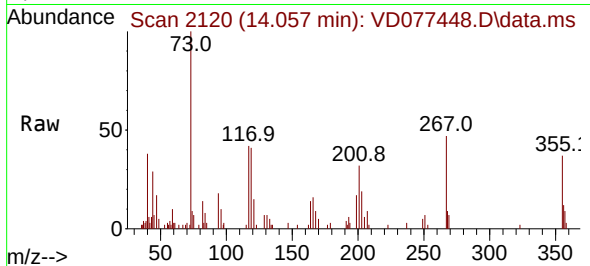
#90  
Hexachloroethane  
Concen: 2.330 ug/l  
RT: 14.057 min Scan# 2119  
Delta R.T. 0.006 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2023

Tgt Ion:117 Resp: 7354  
Ion Ratio Lower Upper  
117 100  
201 69.3 38.5 115.5

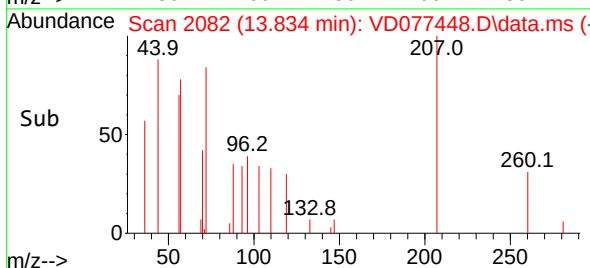
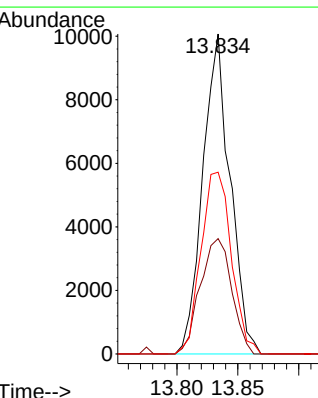
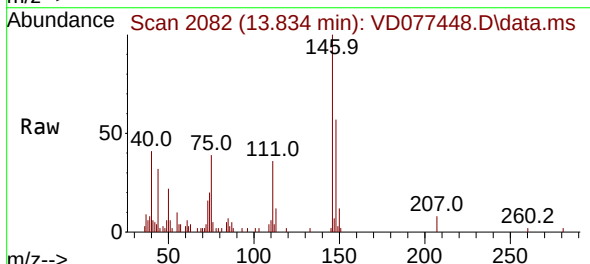
Manual Integrations  
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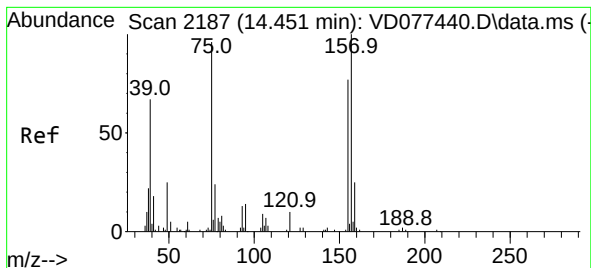
Reviewed By :John Carlone 10/31/2023  
Supervised By :Mahesh Dadoda 10/31/2023



#91  
1,2-Dichlorobenzene  
Concen: 2.348 ug/l  
RT: 13.834 min Scan# 2082  
Delta R.T. 0.000 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

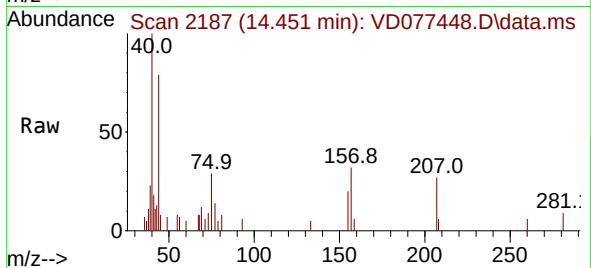
Tgt Ion:146 Resp: 15695  
Ion Ratio Lower Upper  
146 100  
111 41.5 18.3 54.8  
148 63.4 31.6 94.7





#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 2.825 ug/l  
 RT: 14.451 min Scan# 2187  
 Delta R.T. 0.000 min  
 Lab File: VD077448.D  
 Acq: 30 Oct 2023 15:33

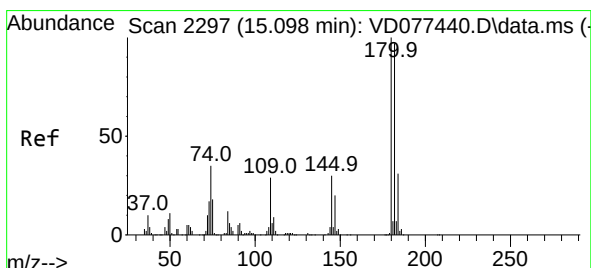
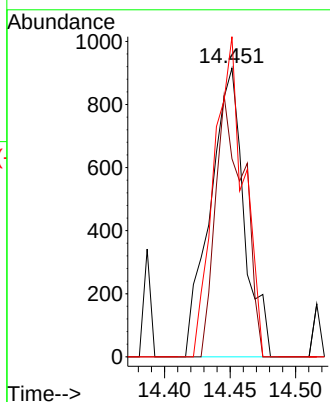
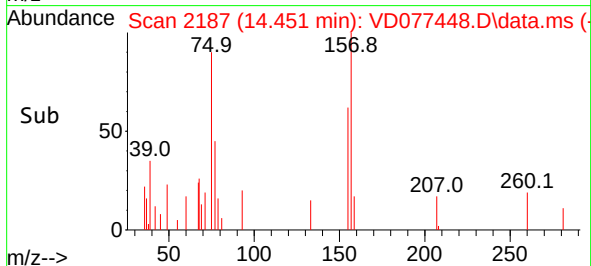
Instrument : MSVOA\_D  
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2023



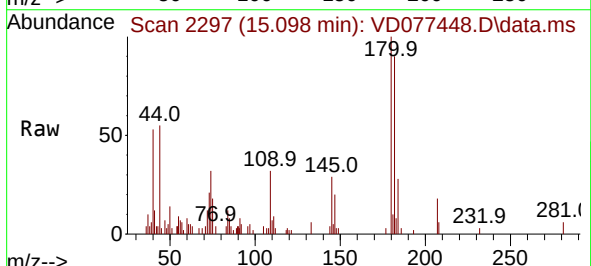
Tgt Ion: 75 Resp: 1640  
 Ion Ratio Lower Upper  
 75 100  
 155 76.7 47.9 143.8  
 157 97.9 59.9 179.7

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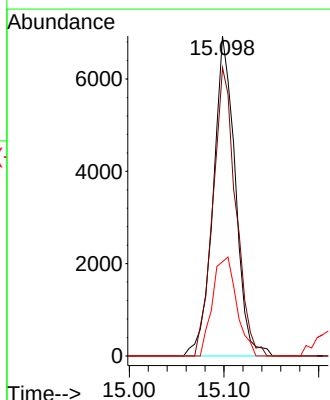
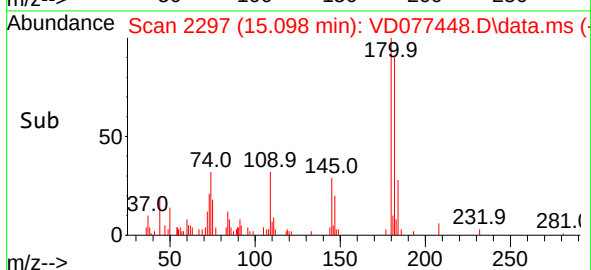
Reviewed By :John Carlone 10/31/2023  
 Supervised By :Mahesh Dadoda 10/31/2023

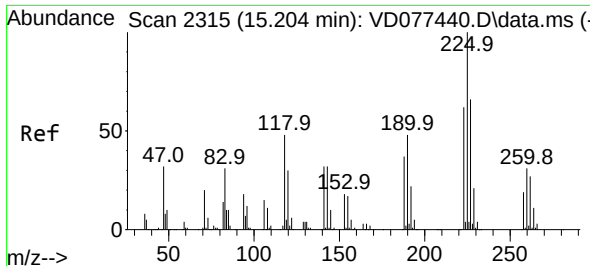


#93  
 1,2,4-Trichlorobenzene  
 Concen: 2.442 ug/l  
 RT: 15.098 min Scan# 2297  
 Delta R.T. 0.000 min  
 Lab File: VD077448.D  
 Acq: 30 Oct 2023 15:33



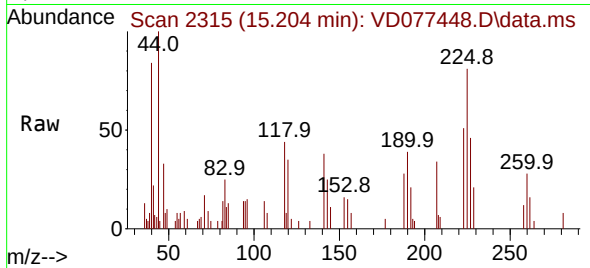
Tgt Ion:180 Resp: 11215  
 Ion Ratio Lower Upper  
 180 100  
 182 93.3 48.5 145.6  
 145 33.7 14.2 42.6





#94  
Hexachlorobutadiene  
Concen: 2.221 ug/l  
RT: 15.204 min Scan# 2315  
Delta R.T. 0.000 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

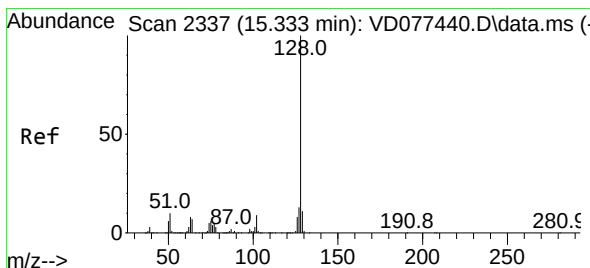
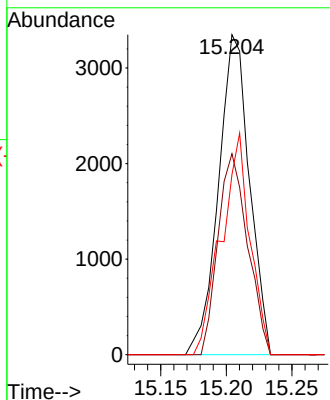
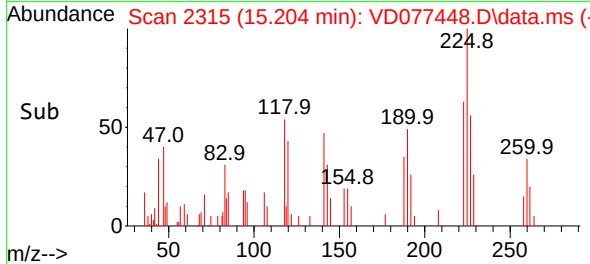
Instrument : MSVOA\_D  
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023



Tgt Ion:225 Resp: 550  
Ion Ratio Lower Upper  
225 100  
223 59.9 31.6 94.8  
227 64.2 31.7 95.1

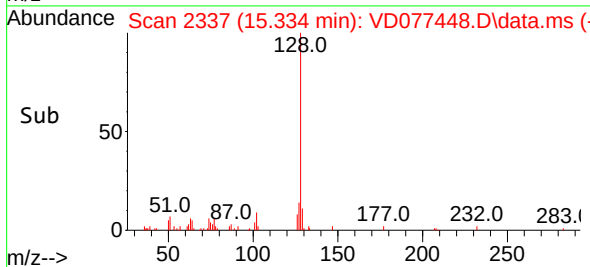
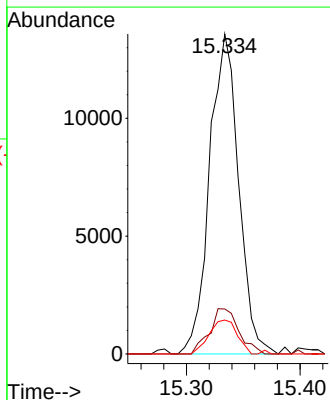
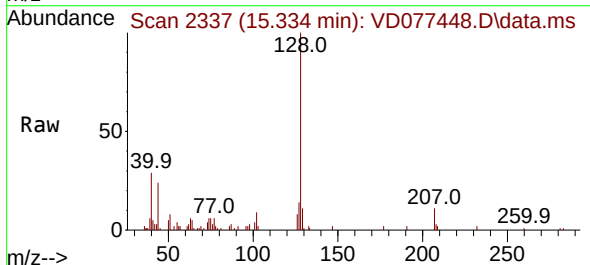
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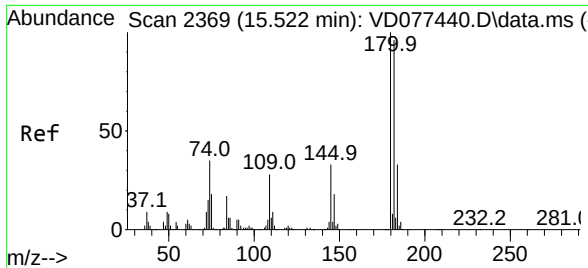
Reviewed By :John Carlone 10/31/2023  
Supervised By :Mahesh Dadoda 10/31/2023



#95  
Naphthalene  
Concen: 2.753 ug/l  
RT: 15.334 min Scan# 2337  
Delta R.T. 0.000 min  
Lab File: VD077448.D  
Acq: 30 Oct 2023 15:33

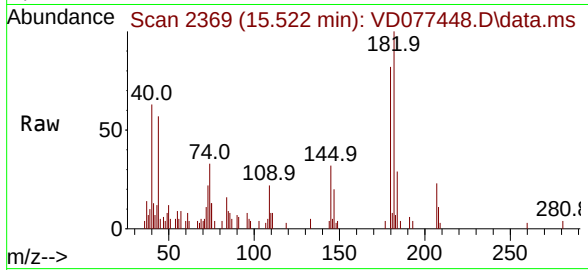
Tgt Ion:128 Resp: 24115  
Ion Ratio Lower Upper  
128 100  
127 14.0 10.5 15.7  
129 10.6 8.7 13.1





#96  
 1,2,3-Trichlorobenzene  
 Concen: 2.296 ug/l  
 RT: 15.522 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VD077448.D  
 Acq: 30 Oct 2023 15:33

Instrument : MSVOA\_D  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2023



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 910   |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 101.1 | 47.3  | 141.9 |
| 145       | 35.6  | 15.1  | 45.3  |

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 10/31/2023  
 Supervised By :Mahesh Dadoda 10/31/2023

