

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD102022\  
 Data File : VD074592.D  
 Acq On : 20 Oct 2022 12:44  
 Operator : VA/SY  
 Sample : VD1020SBS01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1020SBS01

Quant Time: Oct 20 14:55:49 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101922S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 20 06:41:20 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.875  | 168  | 92307    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.775  | 114  | 151834   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 124812   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 59348    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.234  | 65    | 32004    | 45.412   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 90.820% |
| 35) Dibromofluoromethane    | 7.810  | 113   | 40683    | 48.325   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 96.660% |
| 50) Toluene-d8              | 10.269 | 98    | 140019   | 46.074   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 92.140% |
| 62) 4-Bromofluorobenzene    | 12.569 | 95    | 43064    | 49.227   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 98.460% |

|                              |       |     |       |         |        |     |
|------------------------------|-------|-----|-------|---------|--------|-----|
| Target Compounds             |       |     |       |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.934 | 85  | 13948 | 19.467  | ug/l   | 94  |
| 3) Chloromethane             | 2.146 | 50  | 21255 | 21.914  | ug/l   | 94  |
| 4) Vinyl Chloride            | 2.281 | 62  | 22673 | 21.139  | ug/l   | 99  |
| 5) Bromomethane              | 2.681 | 94  | 16666 | 20.518  | ug/l   | 97  |
| 6) Chloroethane              | 2.834 | 64  | 15882 | 21.537  | ug/l   | 95  |
| 7) Trichlorofluoromethane    | 3.175 | 101 | 31754 | 20.886  | ug/l   | 99  |
| 8) Diethyl Ether             | 3.593 | 74  | 8642  | 19.628  | ug/l   | 97  |
| 9) 1,1,2-Trichlorotrifluo... | 3.969 | 101 | 19697 | 20.090  | ug/l   | 98  |
| 10) Methyl Iodide            | 4.164 | 142 | 21480 | 19.441  | ug/l   | 98  |
| 11) Tert butyl alcohol       | 5.046 | 59  | 9015  | 64.091  | ug/l # | 84  |
| 12) 1,1-Dichloroethene       | 3.940 | 96  | 19968 | 20.362  | ug/l   | 89  |
| 13) Acrolein                 | 3.799 | 56  | 7276  | 96.397  | ug/l   | 95  |
| 14) Allyl chloride           | 4.564 | 41  | 20983 | 19.814  | ug/l   | 99  |
| 15) Acrylonitrile            | 5.258 | 53  | 18850 | 104.753 | ug/l   | 96  |
| 16) Acetone                  | 4.028 | 43  | 13738 | 89.269  | ug/l   | 94  |
| 17) Carbon Disulfide         | 4.269 | 76  | 51803 | 19.305  | ug/l   | 98  |
| 18) Methyl Acetate           | 4.558 | 43  | 9138  | 20.254  | ug/l   | 94  |
| 19) Methyl tert-butyl Ether  | 5.316 | 73  | 39141 | 20.425  | ug/l # | 91  |
| 20) Methylene Chloride       | 4.805 | 84  | 26028 | 14.934  | ug/l   | 91  |
| 21) trans-1,2-Dichloroethene | 5.316 | 96  | 21751 | 19.897  | ug/l   | 90  |
| 22) Diisopropyl ether        | 6.216 | 45  | 45298 | 21.197  | ug/l   | 95  |
| 23) Vinyl Acetate            | 6.158 | 43  | 66510 | 71.172  | ug/l   | 99  |
| 24) 1,1-Dichloroethane       | 6.111 | 63  | 34050 | 20.529  | ug/l   | 97  |
| 25) 2-Butanone               | 7.087 | 43  | 19808 | 96.254  | ug/l   | 96  |
| 26) 2,2-Dichloropropane      | 7.075 | 77  | 30559 | 19.277  | ug/l   | 97  |
| 27) cis-1,2-Dichloroethene   | 7.081 | 96  | 24590 | 20.280  | ug/l   | 98  |
| 28) Bromochloromethane       | 7.434 | 49  | 4876  | 13.477  | ug/l # | 87  |
| 29) Tetrahydrofuran          | 7.446 | 42  | 11499 | 102.449 | ug/l   | 96  |
| 30) Chloroform               | 7.599 | 83  | 37038 | 20.753  | ug/l   | 100 |
| 31) Cyclohexane              | 7.875 | 56  | 29115 | 20.566  | ug/l   | 93  |
| 32) 1,1,1-Trichloroethane    | 7.793 | 97  | 34365 | 20.997  | ug/l   | 98  |
| 36) 1,1-Dichloropropene      | 8.005 | 75  | 27705 | 20.312  | ug/l   | 98  |
| 37) Ethyl Acetate            | 7.163 | 43  | 8687  | 20.186  | ug/l   | 96  |
| 38) Carbon Tetrachloride     | 7.987 | 117 | 26603 | 19.918  | ug/l   | 97  |
| 39) Methylcyclohexane        | 9.275 | 83  | 33960 | 20.838  | ug/l   | 95  |
| 40) Benzene                  | 8.252 | 78  | 83453 | 20.615  | ug/l   | 95  |

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 Sample : VD1020SBS01  
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 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1020SBS01

Quant Time: Oct 20 14:55:49 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101922S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 20 06:41:20 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.410  | 41   | 5296     | 22.841  | ug/l # | 92       |
| 42) 1,2-Dichloroethane        | 8.322  | 62   | 19669    | 21.055  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.357  | 43   | 16408    | 20.516  | ug/l   | 97       |
| 44) Trichloroethene           | 9.028  | 130  | 24907    | 21.003  | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 9.304  | 63   | 18540    | 20.869  | ug/l   | 97       |
| 46) Dibromomethane            | 9.393  | 93   | 11084    | 21.621  | ug/l   | 94       |
| 47) Bromodichloromethane      | 9.587  | 83   | 27225    | 21.465  | ug/l   | 94       |
| 48) Methyl methacrylate       | 9.381  | 41   | 7749     | 21.200  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 9.387  | 88   | 2308     | 457.447 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 42696    | 107.328 | ug/l   | 95       |
| 52) Toluene                   | 10.334 | 92   | 50497    | 20.227  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.551 | 75   | 20712    | 18.573  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 28490    | 20.262  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 14218    | 20.186  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.599 | 69   | 15088    | 19.597  | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 22161    | 19.395  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 8894     | 75.191  | ug/l   | 98       |
| 59) 2-Hexanone                | 10.922 | 43   | 25389    | 93.506  | ug/l   | 96       |
| 60) Dibromochloromethane      | 11.075 | 129  | 16471    | 19.401  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 12869    | 20.016  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.810 | 164  | 19176    | 20.785  | ug/l   | 88       |
| 65) Chlorobenzene             | 11.604 | 112  | 53781    | 20.457  | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 18937    | 20.966  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.687 | 91   | 94975    | 20.746  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.793 | 106  | 76038    | 41.773  | ug/l   | 97       |
| 69) o-Xylene                  | 12.122 | 106  | 35818    | 21.143  | ug/l   | 95       |
| 70) Styrene                   | 12.134 | 104  | 61360    | 21.507  | ug/l   | 98       |
| 71) Bromoform                 | 12.298 | 173  | 9903     | 20.883  | ug/l # | 94       |
| 73) Isopropylbenzene          | 12.422 | 105  | 95195    | 20.567  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.234 | 43   | 13802    | 20.175  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 15839    | 21.617  | ug/l   | 93       |
| 76) 1,2,3-Trichloropropane    | 12.722 | 75   | 17691    | 34.139  | ug/l # | 1        |
| 77) Bromobenzene              | 12.698 | 156  | 22113    | 21.168  | ug/l   | 96       |
| 78) n-propylbenzene           | 12.763 | 91   | 115021   | 21.028  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 62006    | 20.924  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 79409    | 21.135  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.463 | 75   | 3665     | 18.074  | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 12.945 | 91   | 62972    | 20.684  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.163 | 119  | 70445    | 21.018  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 79436    | 21.485  | ug/l   | 96       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 103851   | 20.647  | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 13.457 | 119  | 87759    | 20.827  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 45360    | 20.896  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.534 | 146  | 44650    | 21.011  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.787 | 91   | 80373    | 20.936  | ug/l   | 97       |
| 90) Hexachloroethane          | 14.051 | 117  | 15552    | 21.205  | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene       | 13.828 | 146  | 39007    | 21.541  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.439 | 75   | 1914     | 18.888  | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 15.098 | 180  | 23949    | 20.049  | ug/l   | 94       |
| 94) Hexachlorobutadiene       | 15.198 | 225  | 13309    | 20.252  | ug/l   | 99       |
| 95) Naphthalene               | 15.328 | 128  | 44495    | 19.787  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.516 | 180  | 21745    | 21.236  | ug/l   | 99       |

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Operator : VA/SY  
Sample : VD1020SBSD01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 6 Sample Multiplier: 1

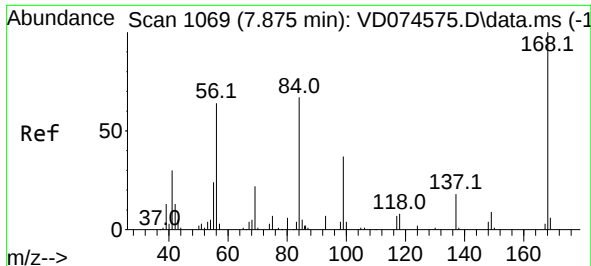
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1020SBSD01

Quant Time: Oct 20 14:55:49 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101922S.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 20 06:41:20 2022  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

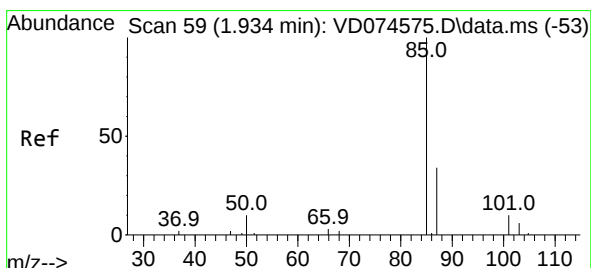
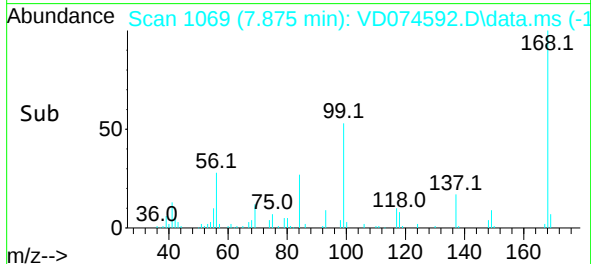
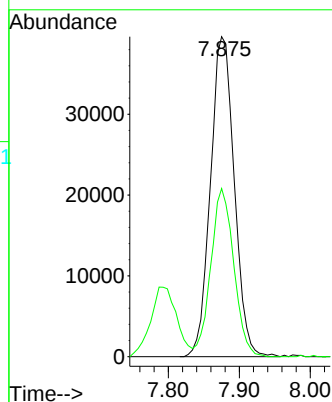
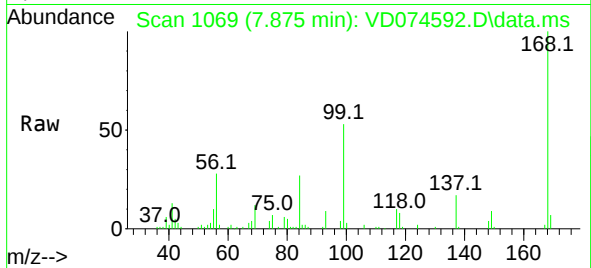




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

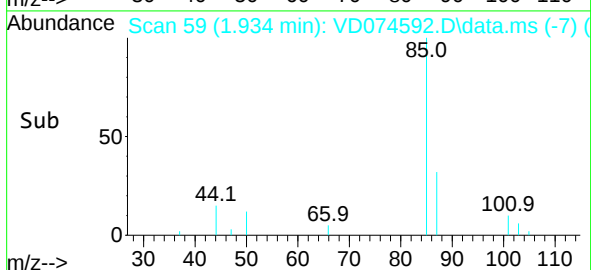
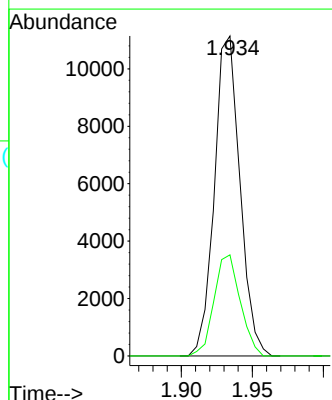
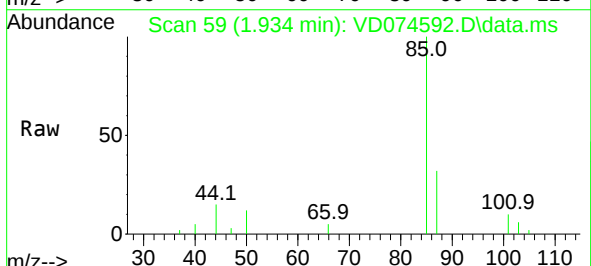
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1020SBSD01

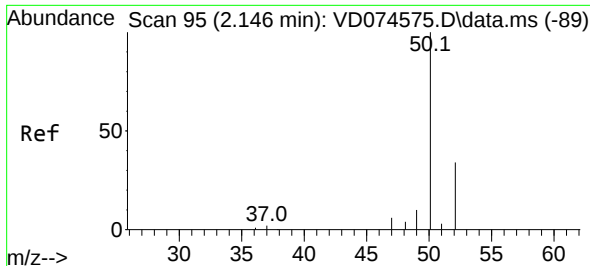
Tgt Ion:168 Resp: 92307  
Ion Ratio Lower Upper  
168 100  
99 52.5 40.9 61.3



#2  
Dichlorodifluoromethane  
Concen: 19.467 ug/l  
RT: 1.934 min Scan# 59  
Delta R.T. 0.006 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

Tgt Ion: 85 Resp: 13948  
Ion Ratio Lower Upper  
85 100  
87 31.6 17.5 52.6

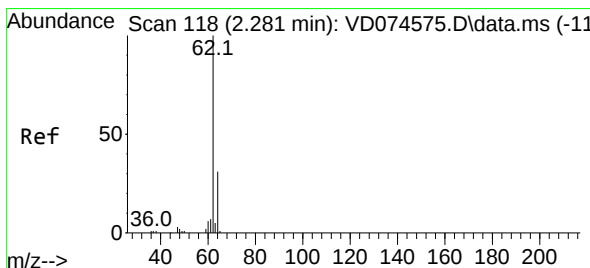
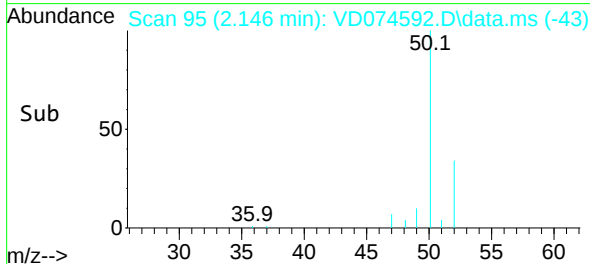
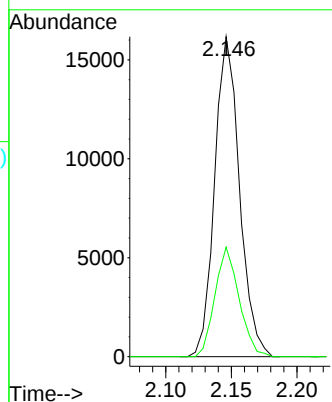
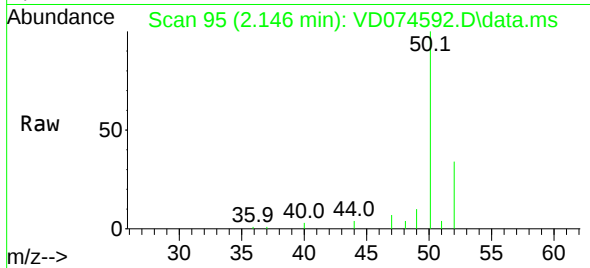




#3  
Chloromethane  
Concen: 21.914 ug/l  
RT: 2.146 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

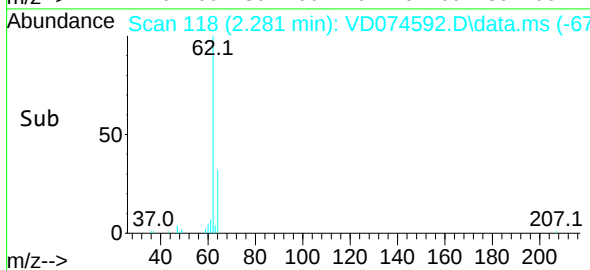
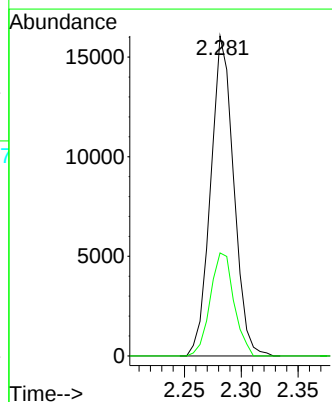
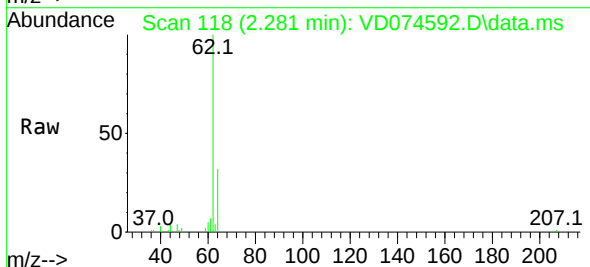
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1020SBSD01

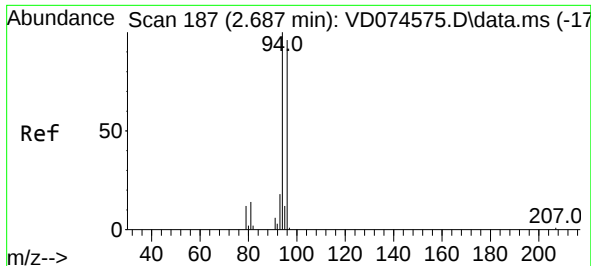
Tgt Ion: 50 Resp: 21255  
Ion Ratio Lower Upper  
50 100  
52 34.2 30.0 45.0



#4  
Vinyl Chloride  
Concen: 21.139 ug/l  
RT: 2.281 min Scan# 118  
Delta R.T. 0.000 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

Tgt Ion: 62 Resp: 22673  
Ion Ratio Lower Upper  
62 100  
64 32.2 25.5 38.3

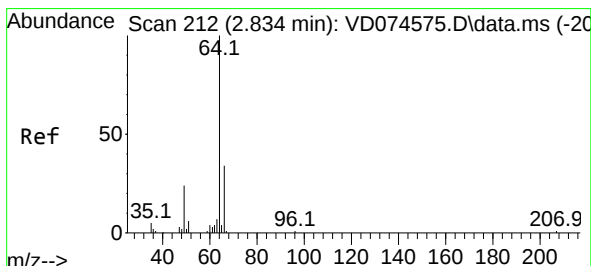
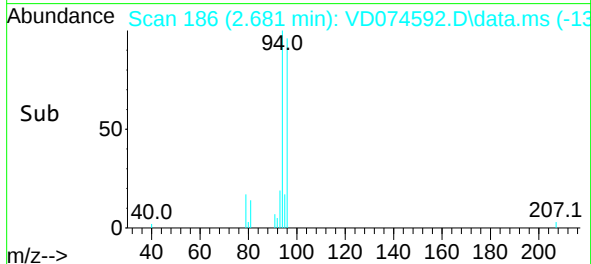
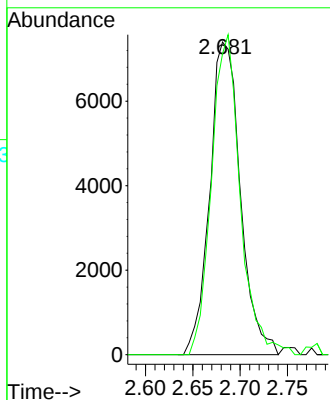
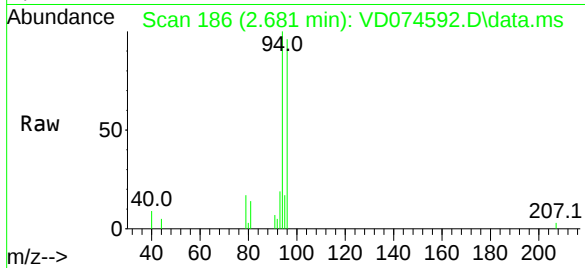




#5  
Bromomethane  
Concen: 20.518 ug/l  
RT: 2.681 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

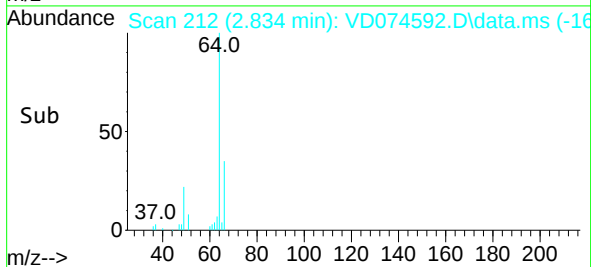
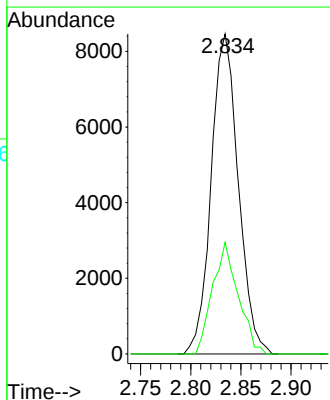
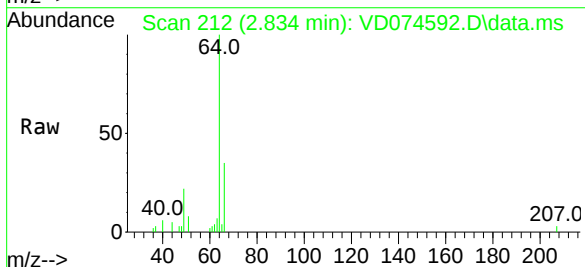
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1020SBS01

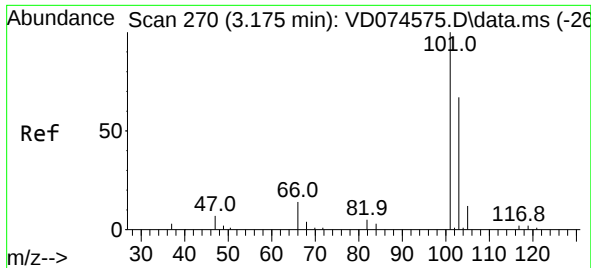
Tgt Ion: 94 Resp: 16666  
Ion Ratio Lower Upper  
94 100  
96 96.2 74.6 112.0



#6  
Chloroethane  
Concen: 21.537 ug/l  
RT: 2.834 min Scan# 212  
Delta R.T. 0.006 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

Tgt Ion: 64 Resp: 15882  
Ion Ratio Lower Upper  
64 100  
66 34.9 25.8 38.8

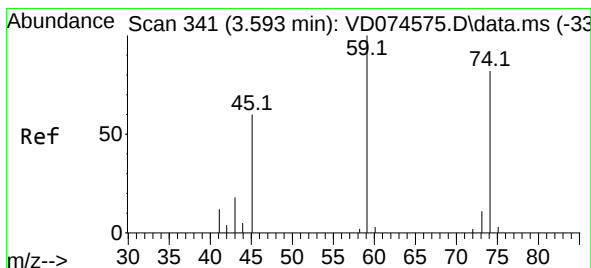
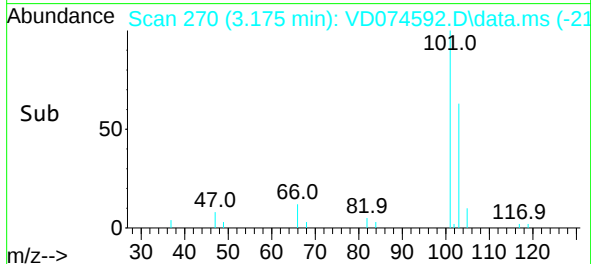
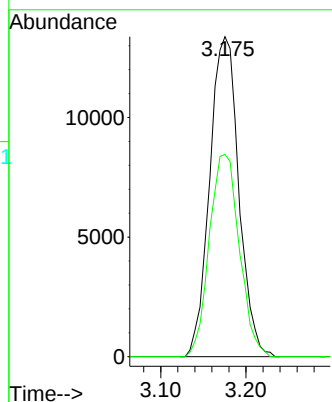
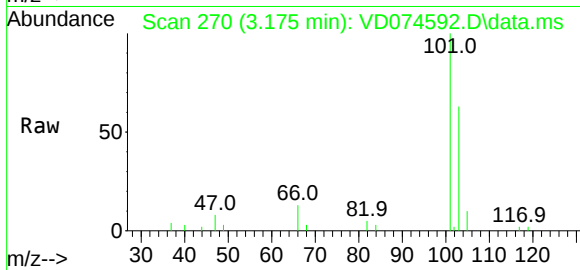




#7  
Trichlorofluoromethane  
Concen: 20.886 ug/l  
RT: 3.175 min Scan# 210  
Delta R.T. 0.006 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

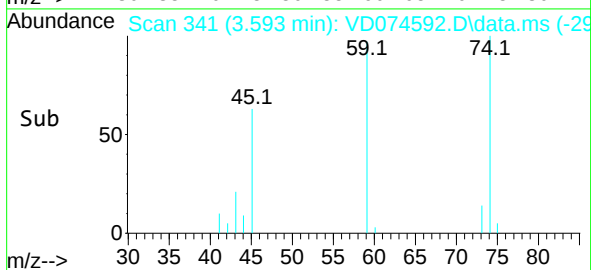
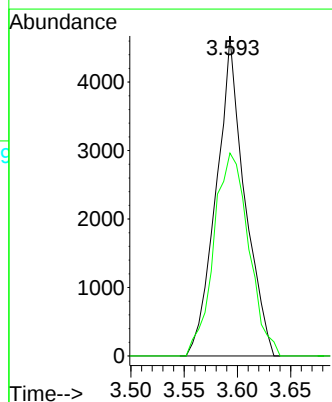
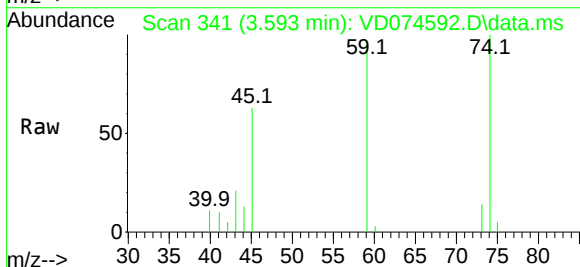
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1020SBSD01

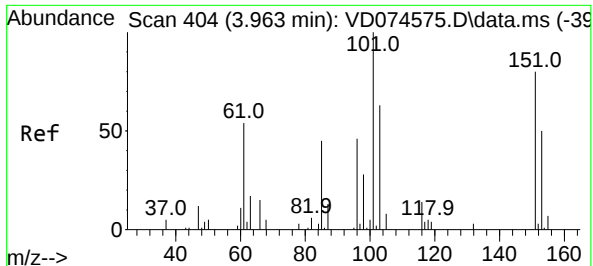
Tgt Ion:101 Resp: 31754  
Ion Ratio Lower Upper  
101 100  
103 63.2 49.8 74.8



#8  
Diethyl Ether  
Concen: 19.628 ug/l  
RT: 3.593 min Scan# 341  
Delta R.T. 0.000 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

Tgt Ion: 74 Resp: 8642  
Ion Ratio Lower Upper  
74 100  
45 78.3 37.9 113.6

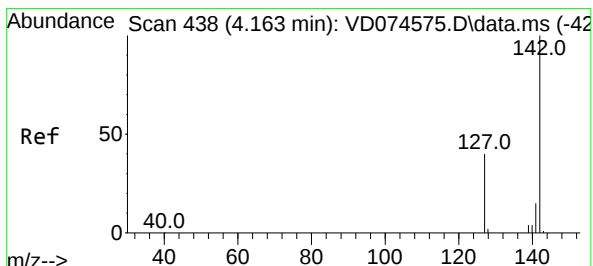
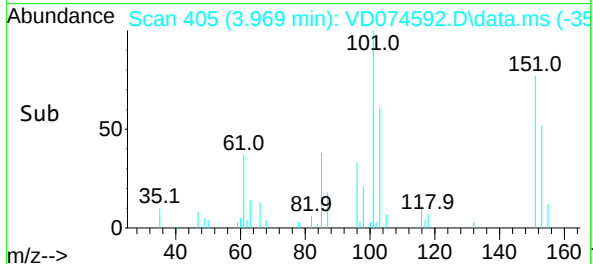
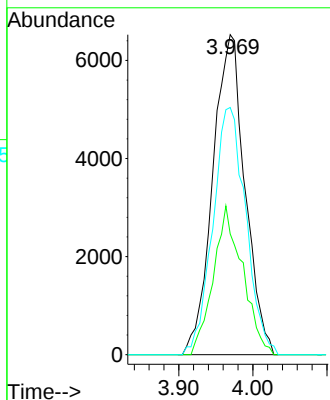
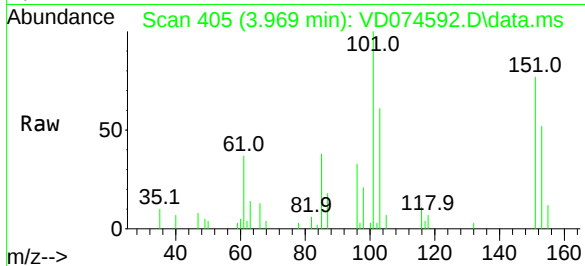




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 20.090 ug/l  
RT: 3.969 min Scan# 404  
Delta R.T. 0.006 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

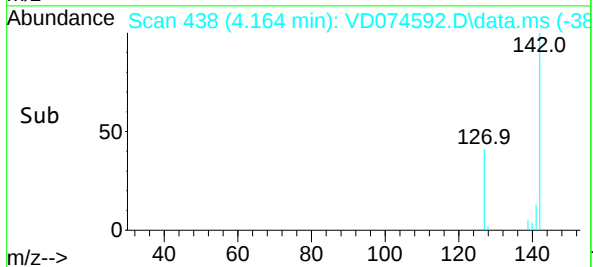
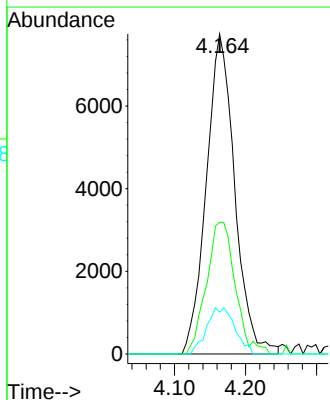
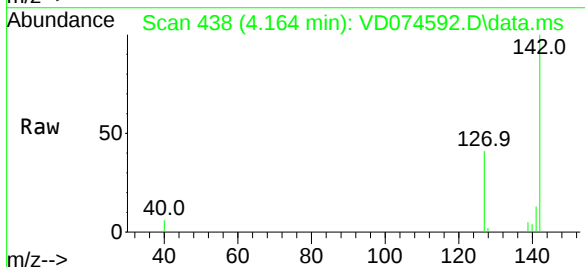
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1020SBSD01

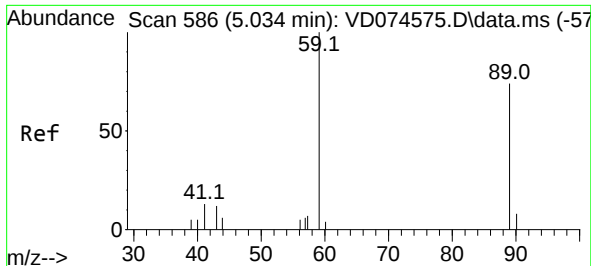
Tgt Ion:101 Resp: 19697  
Ion Ratio Lower Upper  
101 100  
85 42.3 34.1 51.1  
151 79.1 61.7 92.5



#10  
Methyl Iodide  
Concen: 19.441 ug/l  
RT: 4.164 min Scan# 438  
Delta R.T. 0.006 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

Tgt Ion:142 Resp: 21480  
Ion Ratio Lower Upper  
142 100  
127 41.8 31.9 47.9  
141 14.4 11.4 17.2





#11

Tert butyl alcohol

Concen: 64.091 ug/l

RT: 5.046 min Scan# 51

Delta R.T. -0.006 min

Lab File: VD074592.D

Acq: 20 Oct 2022 12:44

Instrument :

MSVOA\_D

ClientSampleId :

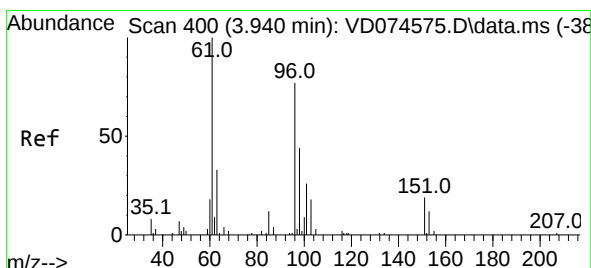
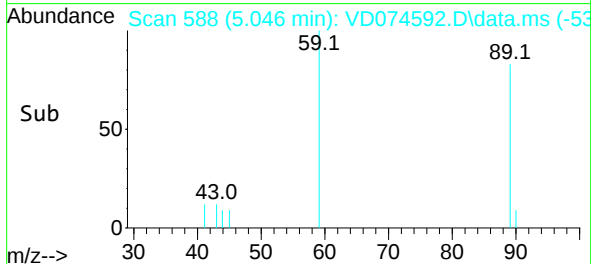
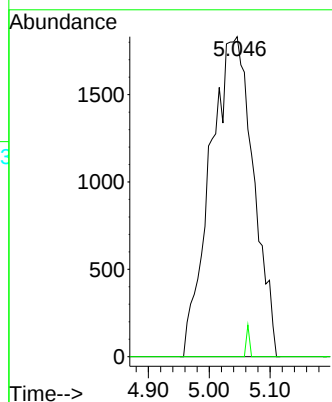
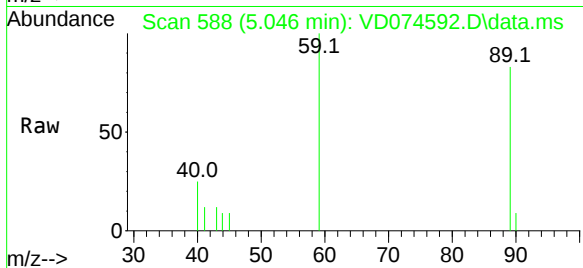
VD1020SBSD01

Tgt Ion: 59 Resp: 9015

Ion Ratio Lower Upper

59 100

57 0.0 4.4 6.6#



#12

1,1-Dichloroethene

Concen: 20.362 ug/l

RT: 3.940 min Scan# 400

Delta R.T. 0.006 min

Lab File: VD074592.D

Acq: 20 Oct 2022 12:44

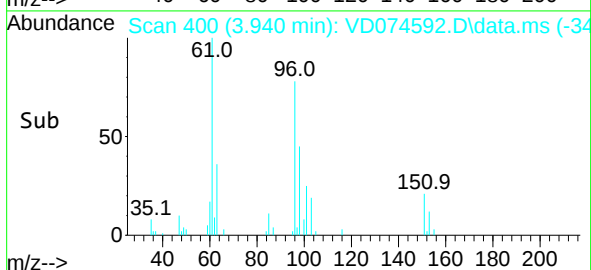
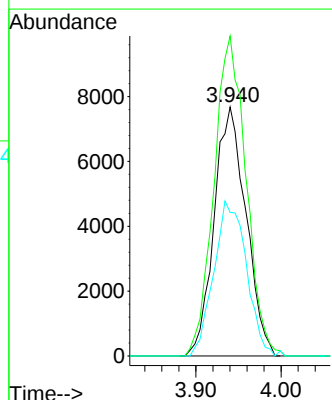
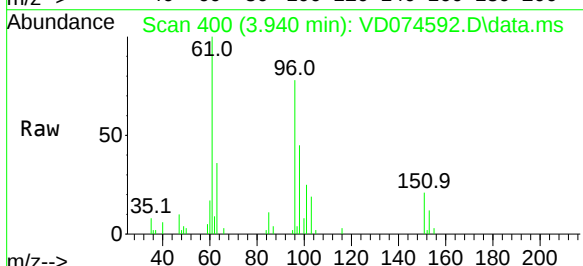
Tgt Ion: 96 Resp: 19968

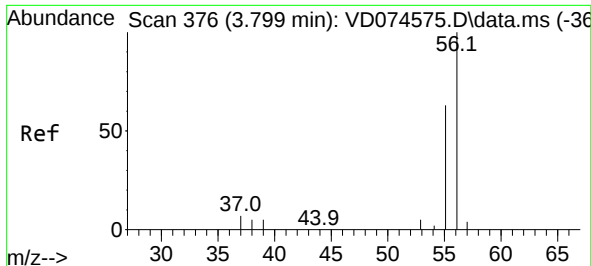
Ion Ratio Lower Upper

96 100

61 128.5 113.9 170.9

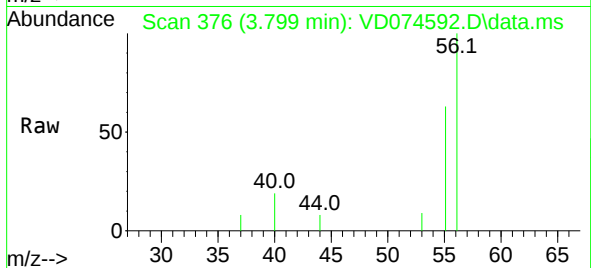
98 57.7 51.8 77.8



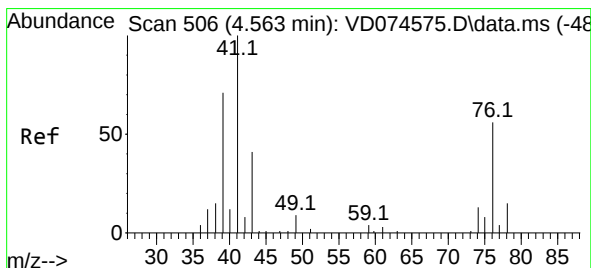
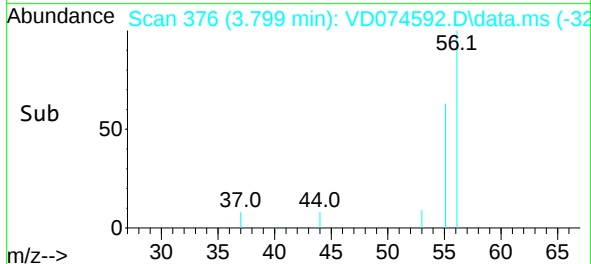
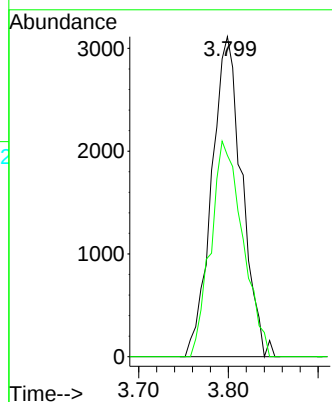


#13  
Acrolein  
Concen: 96.397 ug/l  
RT: 3.799 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1020SBSD01

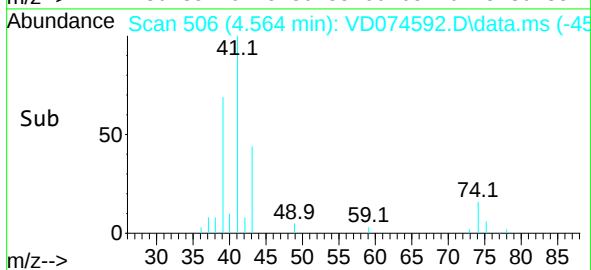
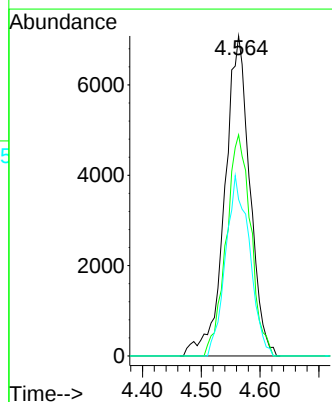
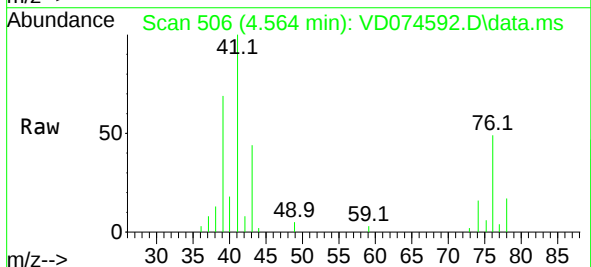


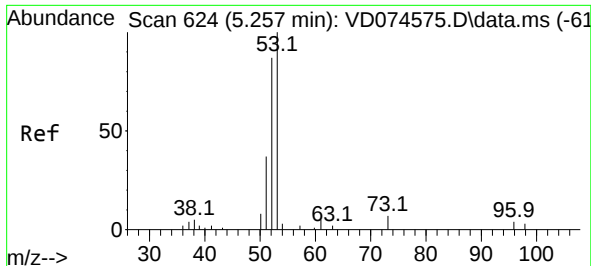
Tgt Ion: 56 Resp: 7276  
Ion Ratio Lower Upper  
56 100  
55 71.4 54.0 81.0



#14  
Allyl chloride  
Concen: 19.814 ug/l  
RT: 4.564 min Scan# 506  
Delta R.T. 0.012 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

Tgt Ion: 41 Resp: 20983  
Ion Ratio Lower Upper  
41 100  
39 67.8 53.4 80.2  
76 53.8 42.4 63.6





#15

Acrylonitrile

Concen: 104.753 ug/l

RT: 5.258 min Scan# 61

Delta R.T. 0.006 min

Lab File: VD074592.D

Acq: 20 Oct 2022 12:44

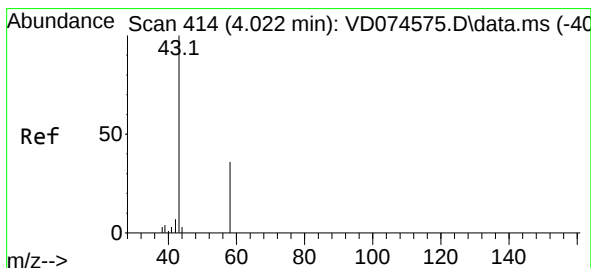
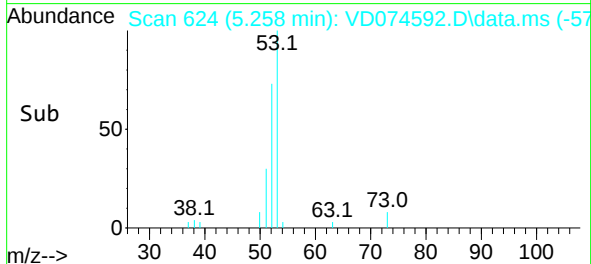
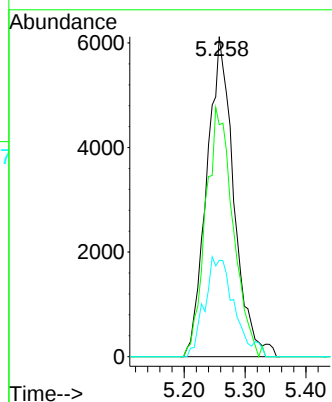
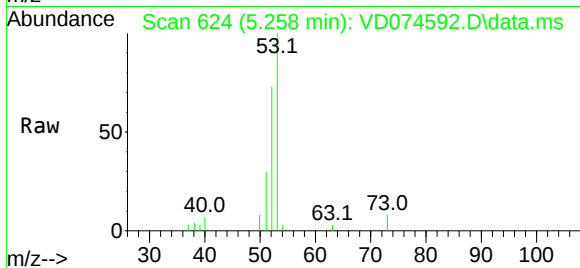
Instrument :

MSVOA\_D

ClientSampleId :

VD1020SBS01

|             |             |
|-------------|-------------|
| Tgt Ion: 53 | Resp: 18850 |
| Ion Ratio   | Lower Upper |
| 53 100      |             |
| 52 79.1     | 66.0 99.0   |
| 51 32.5     | 28.3 42.5   |



#16

Acetone

Concen: 89.269 ug/l

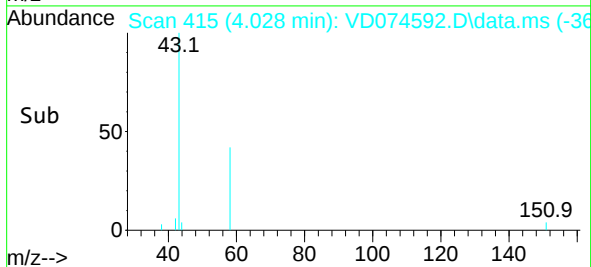
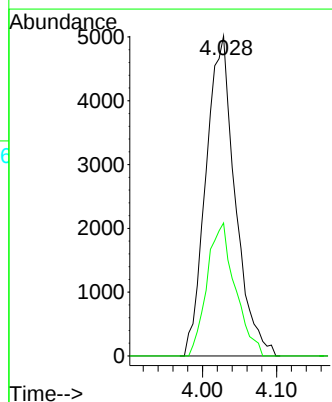
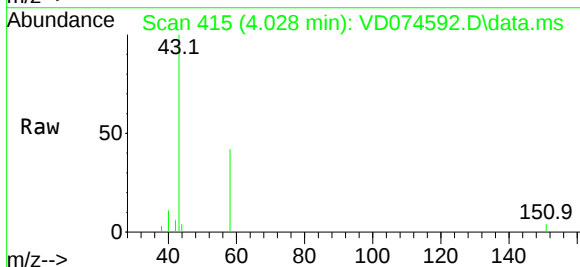
RT: 4.028 min Scan# 415

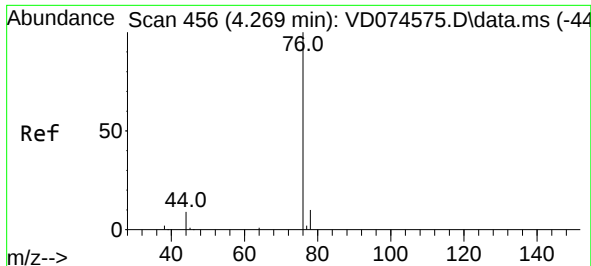
Delta R.T. 0.006 min

Lab File: VD074592.D

Acq: 20 Oct 2022 12:44

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 13738 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 41.6     | 30.2 45.2   |

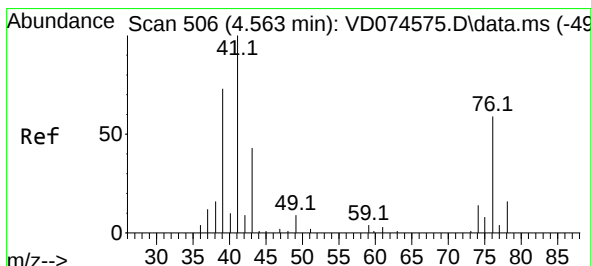
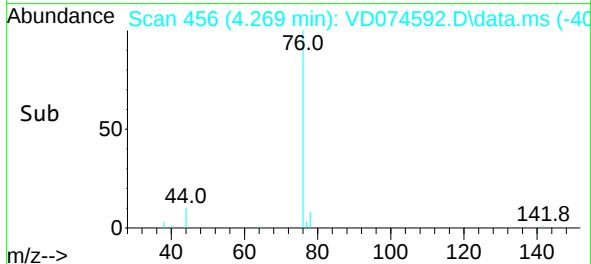
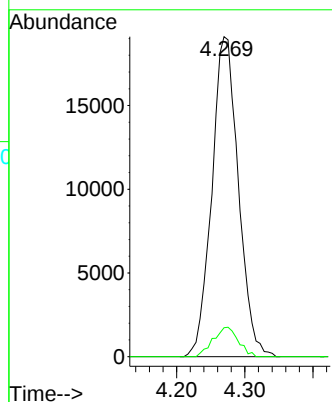
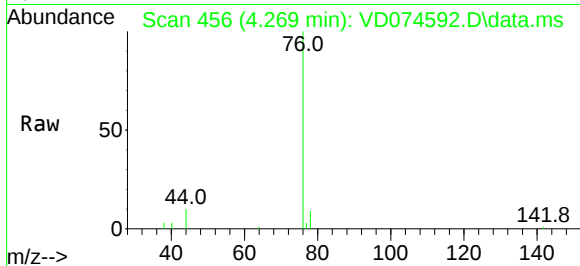




#17  
Carbon Disulfide  
Concen: 19.305 ug/l  
RT: 4.269 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

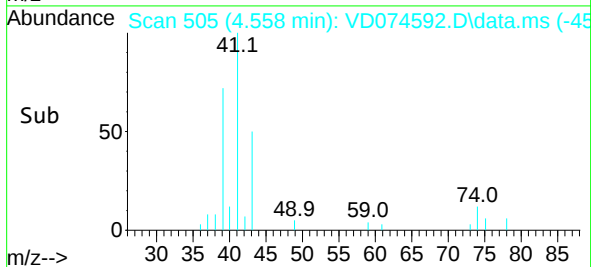
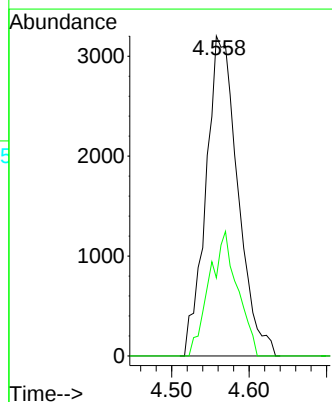
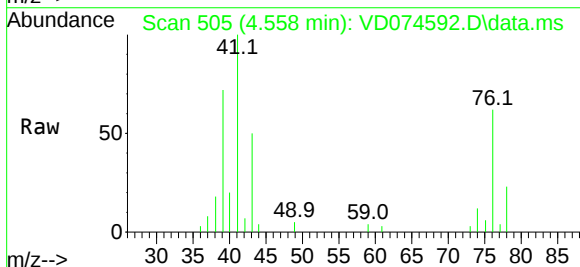
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1020SBSD01

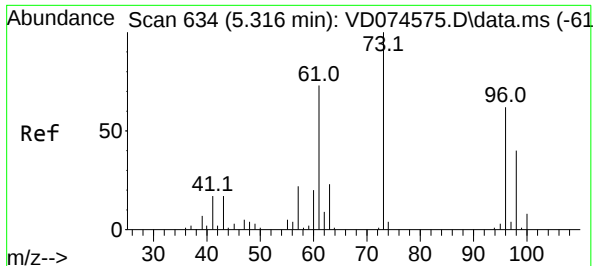
Tgt Ion: 76 Resp: 51803  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.8 11.8



#18  
Methyl Acetate  
Concen: 20.254 ug/l  
RT: 4.558 min Scan# 505  
Delta R.T. -0.000 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

Tgt Ion: 43 Resp: 9138  
Ion Ratio Lower Upper  
43 100  
74 34.4 24.7 37.1





#19

Methyl tert-butyl Ether

Concen: 20.425 ug/l

RT: 5.316 min Scan# 61

Delta R.T. 0.000 min

Lab File: VD074592.D

Acq: 20 Oct 2022 12:44

Instrument :

MSVOA\_D

ClientSampleId :

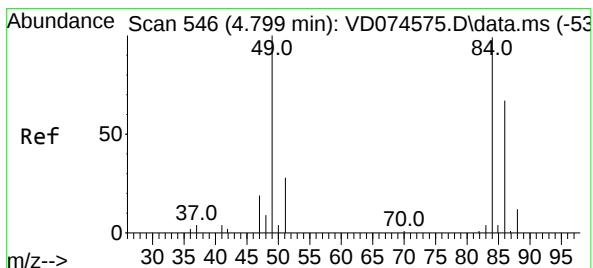
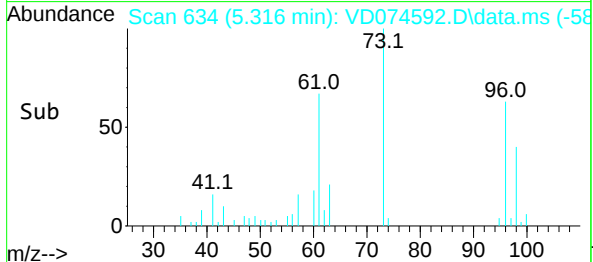
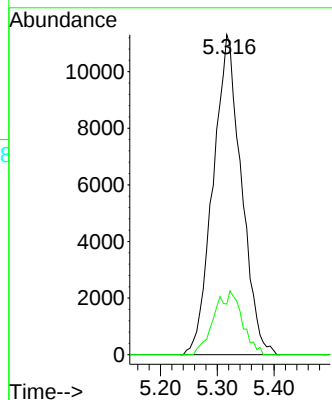
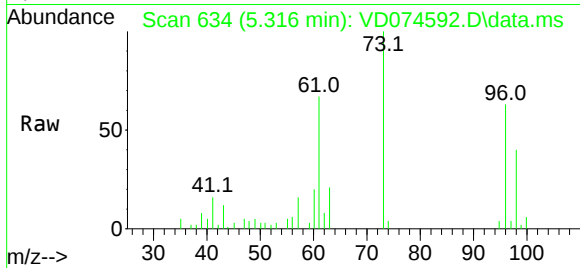
VD1020SBS01

Tgt Ion: 73 Resp: 39141

Ion Ratio Lower Upper

73 100

57 15.8 16.1 24.1#



#20

Methylene Chloride

Concen: 14.934 ug/l

RT: 4.805 min Scan# 547

Delta R.T. 0.006 min

Lab File: VD074592.D

Acq: 20 Oct 2022 12:44

Tgt Ion: 84 Resp: 26028

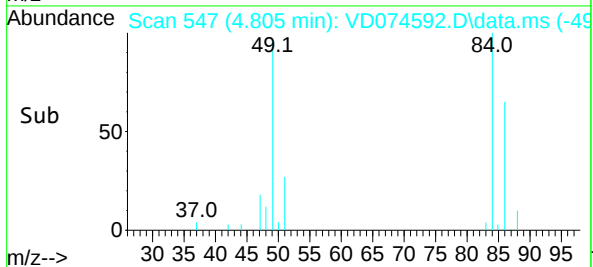
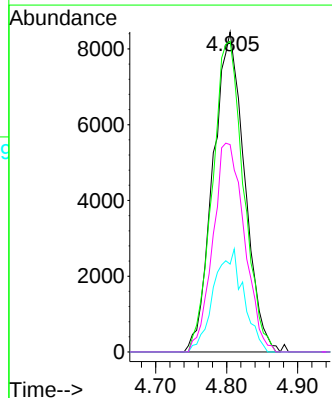
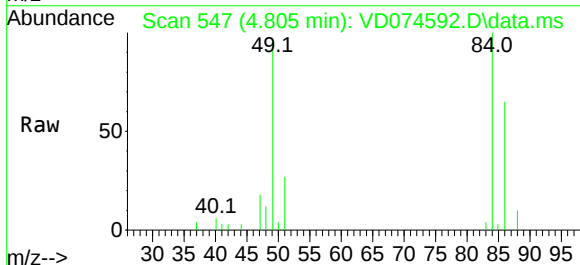
Ion Ratio Lower Upper

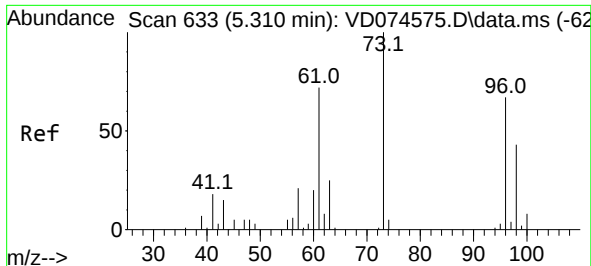
84 100

49 97.1 68.0 102.0

51 27.4 23.2 34.8

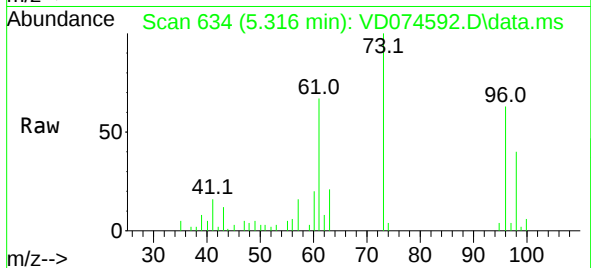
86 64.8 48.0 72.0





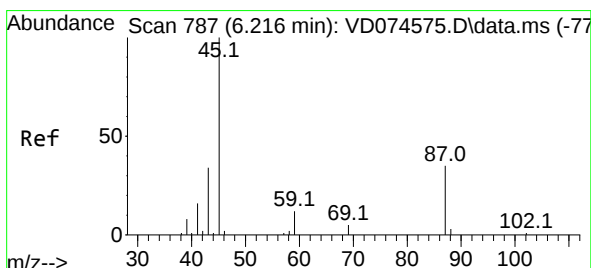
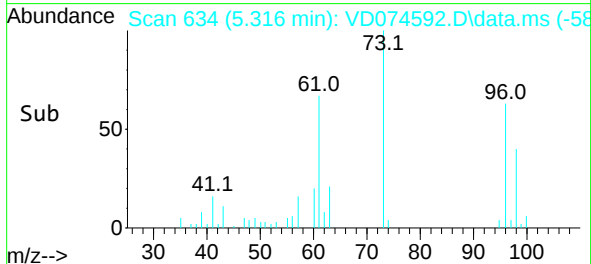
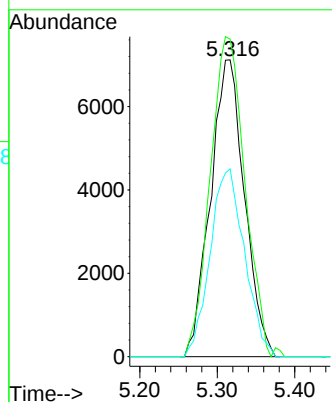
#21  
trans-1,2-Dichloroethene  
Concen: 19.897 ug/l  
RT: 5.316 min Scan# 611  
Delta R.T. 0.006 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1020SBS01



Tgt Ion: 96 Resp: 21751

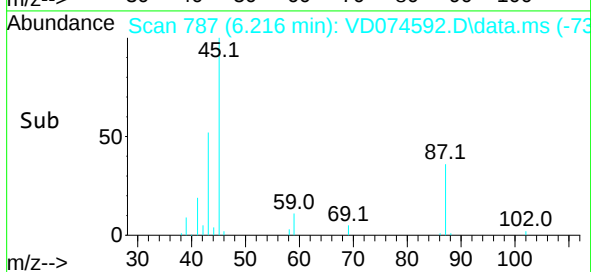
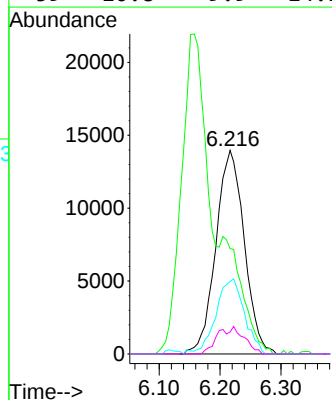
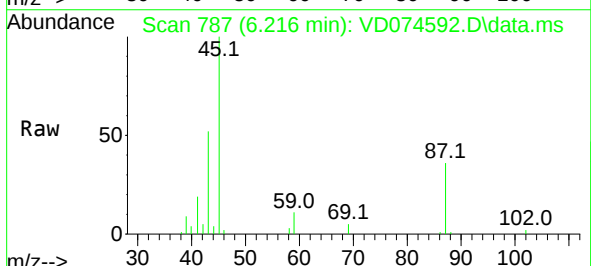
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 107.0 | 95.7  | 143.5 |
| 98  | 63.3  | 54.8  | 82.2  |

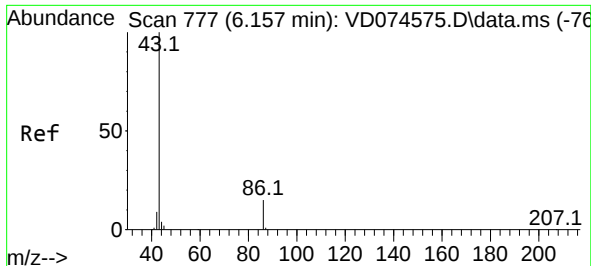


#22  
Diisopropyl ether  
Concen: 21.197 ug/l  
RT: 6.216 min Scan# 787  
Delta R.T. 0.000 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

Tgt Ion: 45 Resp: 45298

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 45  | 100   |       |       |
| 43  | 51.7  | 37.8  | 56.6  |
| 87  | 35.7  | 26.6  | 40.0  |
| 59  | 10.8  | 9.9   | 14.9  |

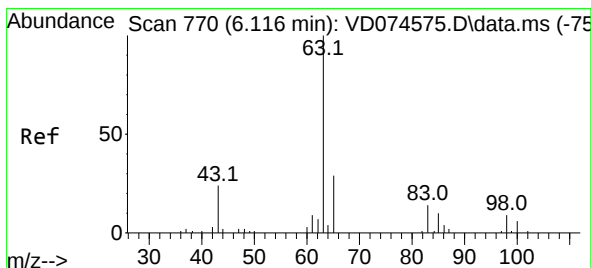
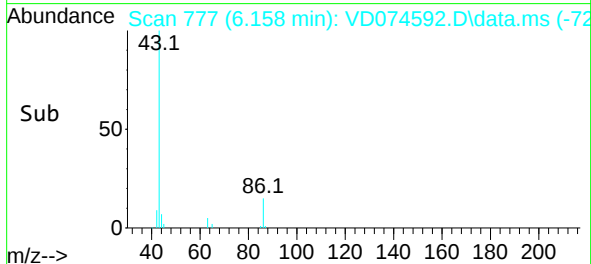
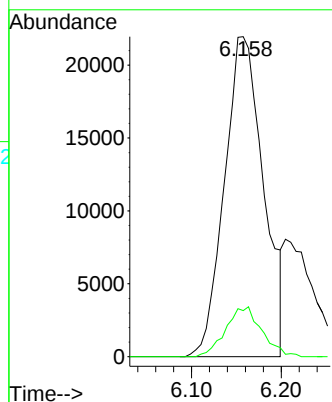
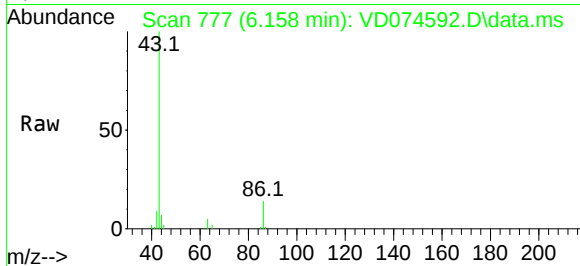




#23  
 Vinyl Acetate  
 Concen: 71.172 ug/l  
 RT: 6.158 min Scan# 71  
 Delta R.T. 0.001 min  
 Lab File: VD074592.D  
 Acq: 20 Oct 2022 12:44

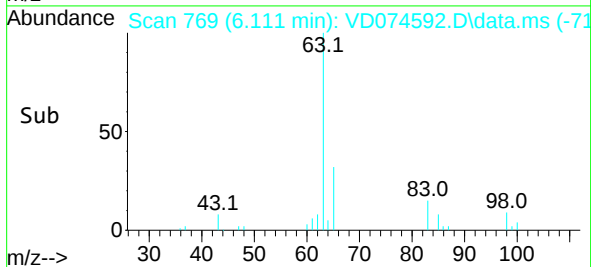
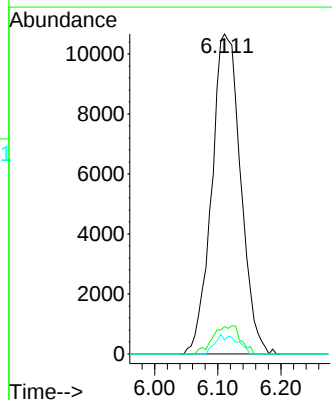
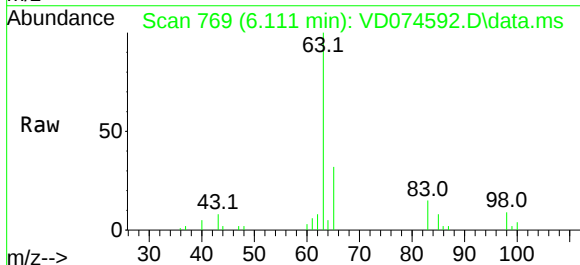
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1020SBS01

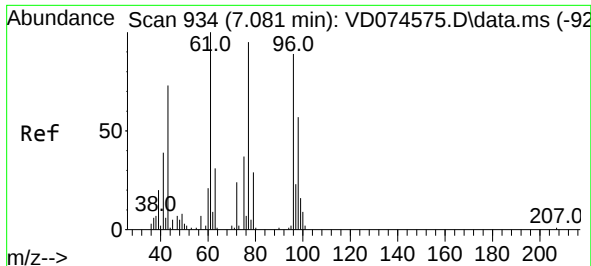
Tgt Ion: 43 Resp: 66510  
 Ion Ratio Lower Upper  
 43 100  
 86 14.4 11.2 16.8



#24  
 1,1-Dichloroethane  
 Concen: 20.529 ug/l  
 RT: 6.111 min Scan# 769  
 Delta R.T. 0.006 min  
 Lab File: VD074592.D  
 Acq: 20 Oct 2022 12:44

Tgt Ion: 63 Resp: 34050  
 Ion Ratio Lower Upper  
 63 100  
 98 8.6 4.6 13.8  
 100 4.4 2.9 8.6





#25

2-Butanone

Concen: 96.254 ug/l

RT: 7.087 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD074592.D

Acq: 20 Oct 2022 12:44

Instrument :

MSVOA\_D

ClientSampleId :

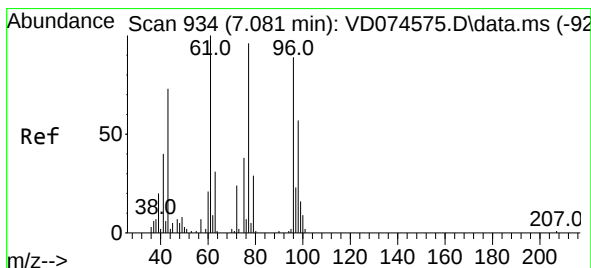
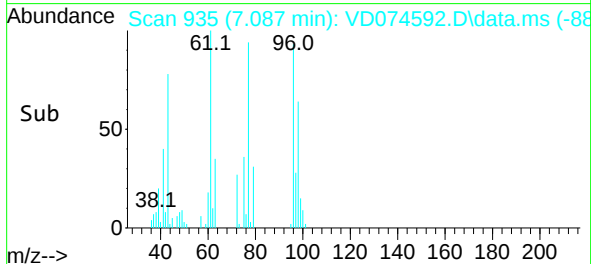
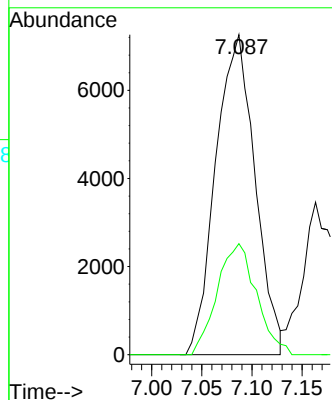
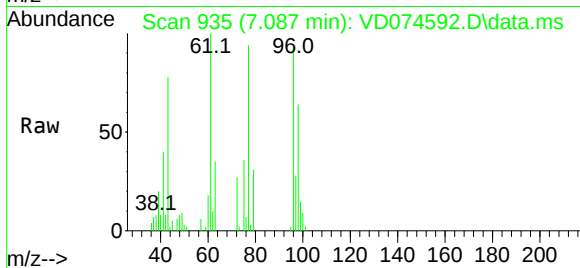
VD1020SBS01

Tgt Ion: 43 Resp: 19808

Ion Ratio Lower Upper

43 100

72 34.7 25.8 38.8



#26

2,2-Dichloropropane

Concen: 19.277 ug/l

RT: 7.075 min Scan# 933

Delta R.T. 0.000 min

Lab File: VD074592.D

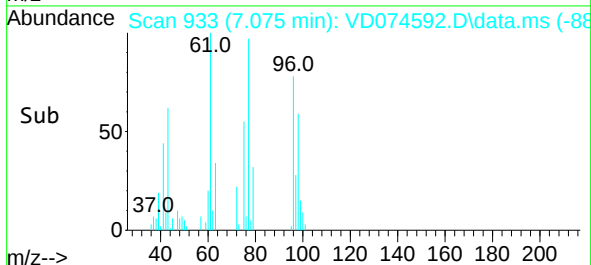
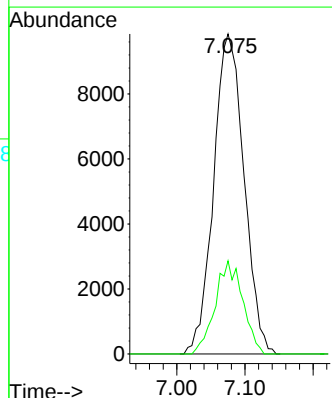
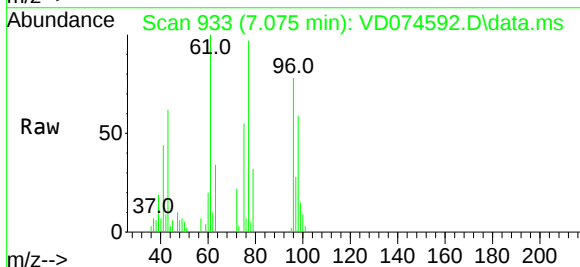
Acq: 20 Oct 2022 12:44

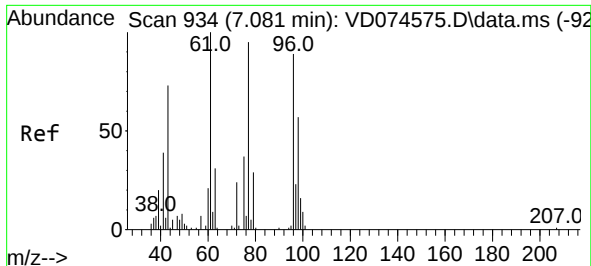
Tgt Ion: 77 Resp: 30559

Ion Ratio Lower Upper

77 100

97 26.3 12.5 37.5

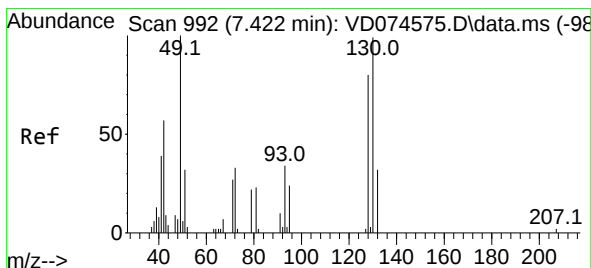
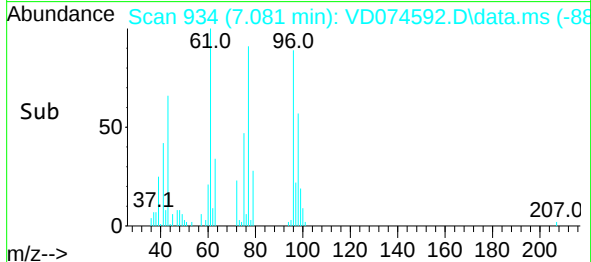
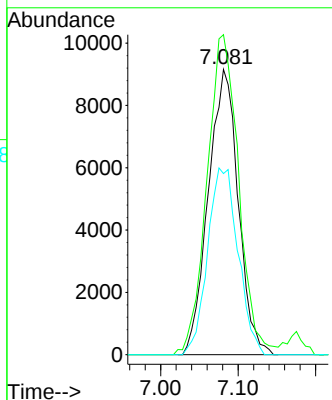
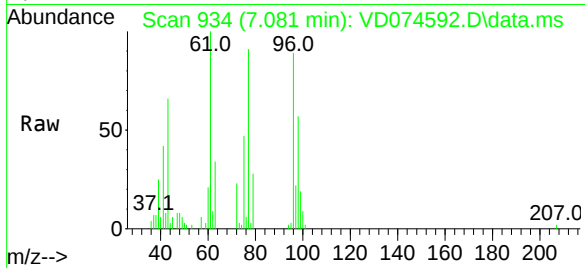




#27  
 cis-1,2-Dichloroethene  
 Concen: 20.280 ug/l  
 RT: 7.081 min Scan# 91  
 Delta R.T. 0.006 min  
 Lab File: VD074592.D  
 Acq: 20 Oct 2022 12:44

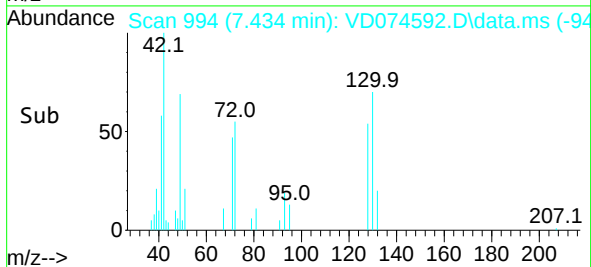
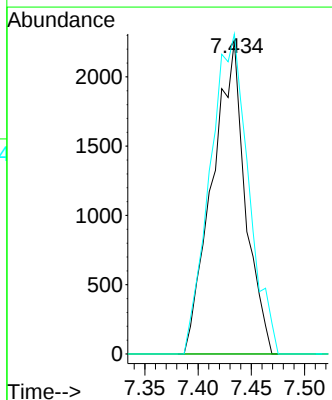
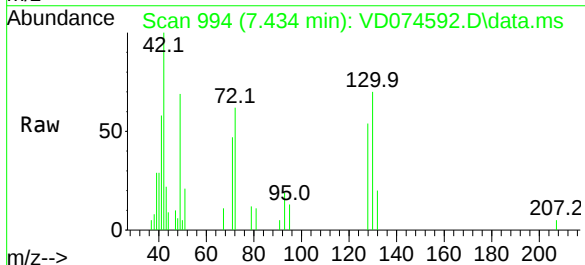
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1020SBSD01

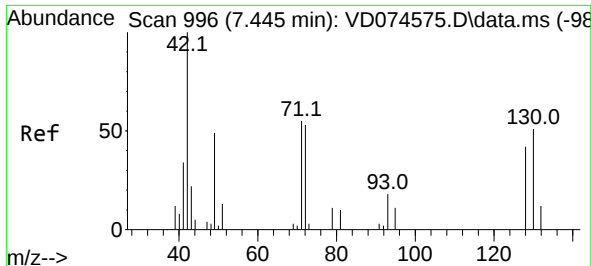
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 24590 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 118.4 | 0.0   | 242.4 |
| 98       | 66.6  | 0.0   | 130.0 |



#28  
 Bromochloromethane  
 Concen: 13.477 ug/l  
 RT: 7.434 min Scan# 994  
 Delta R.T. 0.006 min  
 Lab File: VD074592.D  
 Acq: 20 Oct 2022 12:44

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 49    | Resp: | 4876  |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 0.0   | 0.0   | 5.0   |
| 130      | 118.9 | 84.1  | 126.1 |





#29

Tetrahydrofuran

Concen: 102.449 ug/l

RT: 7.446 min Scan# 996

Delta R.T. -0.000 min

Lab File: VD074592.D

Acq: 20 Oct 2022 12:44

Instrument :

MSVOA\_D

ClientSampleId :

VD1020SBSD01

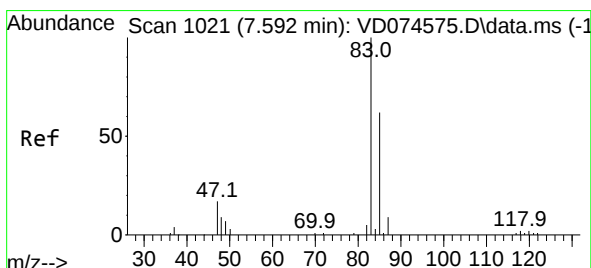
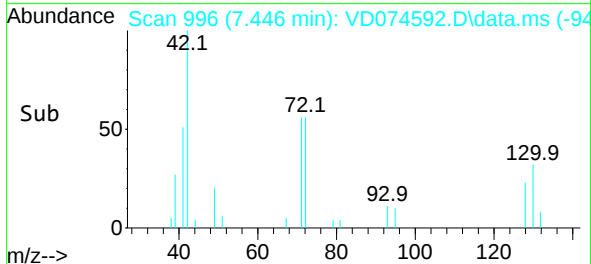
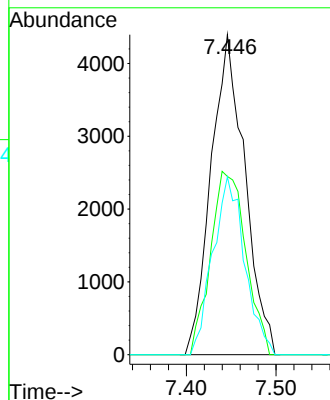
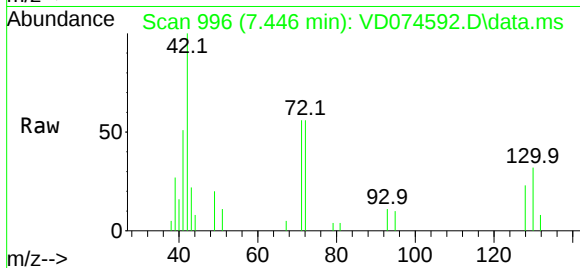
Tgt Ion: 42 Resp: 11499

Ion Ratio Lower Upper

42 100

72 59.8 45.8 68.6

71 52.4 44.6 66.8



#30

Chloroform

Concen: 20.753 ug/l

RT: 7.599 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VD074592.D

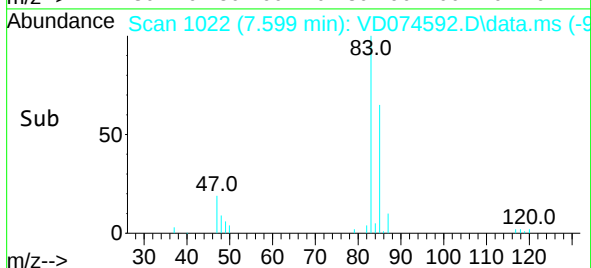
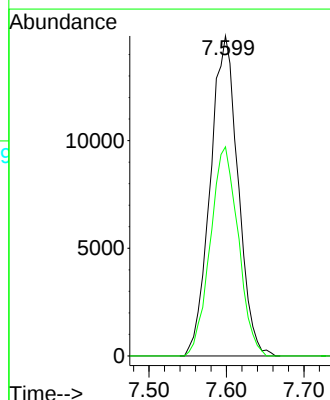
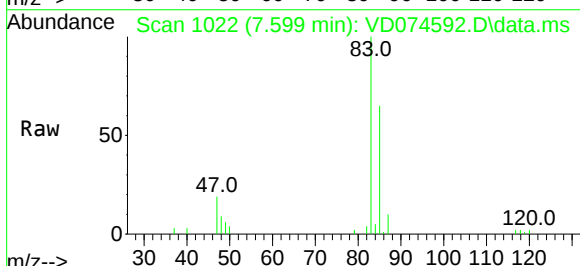
Acq: 20 Oct 2022 12:44

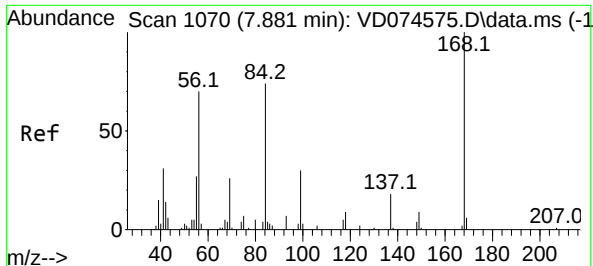
Tgt Ion: 83 Resp: 37038

Ion Ratio Lower Upper

83 100

85 65.3 52.0 78.0

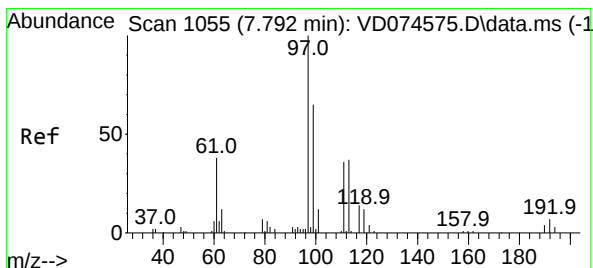
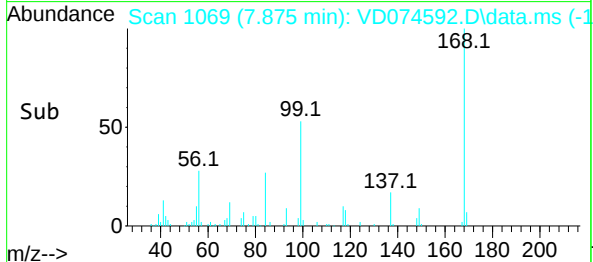
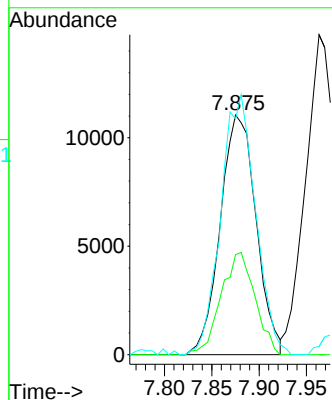
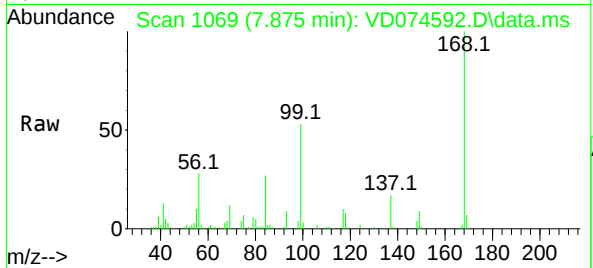




#31  
Cyclohexane  
Concen: 20.566 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

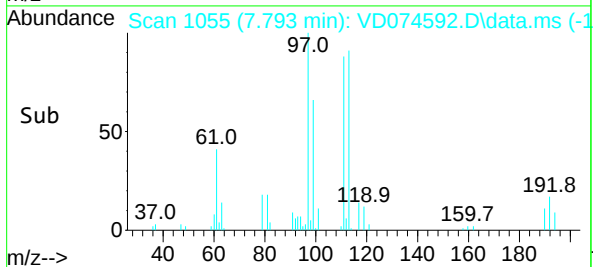
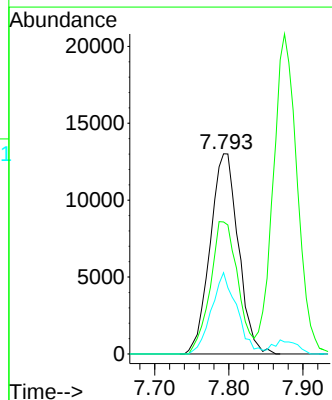
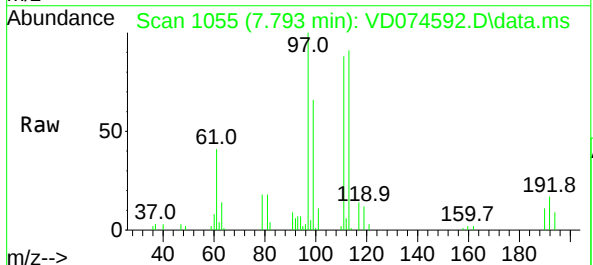
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1020SBSD01

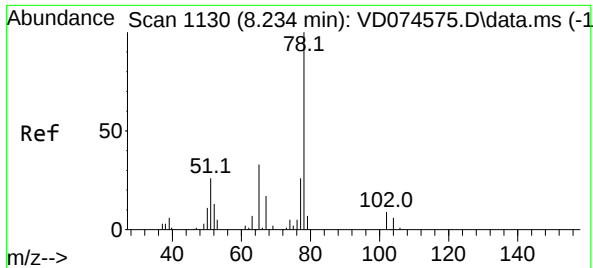
Tgt Ion: 56 Resp: 29115  
Ion Ratio Lower Upper  
56 100  
69 41.7 29.2 43.8  
84 98.3 83.4 125.2



#32  
1,1,1-Trichloroethane  
Concen: 20.997 ug/l  
RT: 7.793 min Scan# 1055  
Delta R.T. -0.000 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

Tgt Ion: 97 Resp: 34365  
Ion Ratio Lower Upper  
97 100  
99 64.6 53.3 79.9  
61 36.8 30.2 45.4





#33

1,2-Dichloroethane-d4

Concen: 45.412 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD074592.D

Acq: 20 Oct 2022 12:44

Instrument :

MSVOA\_D

ClientSampleId :

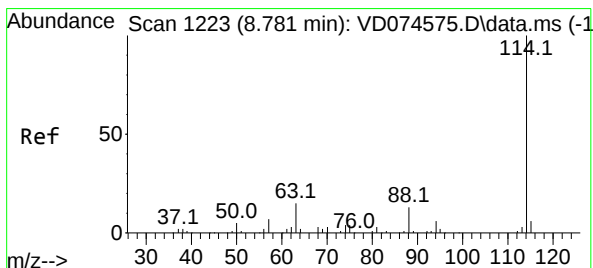
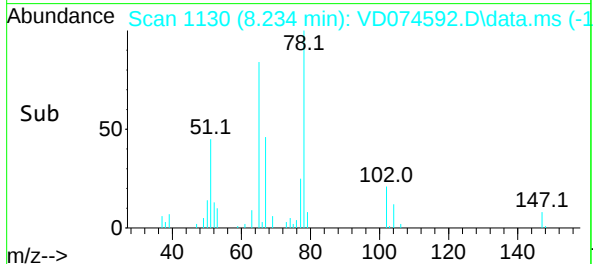
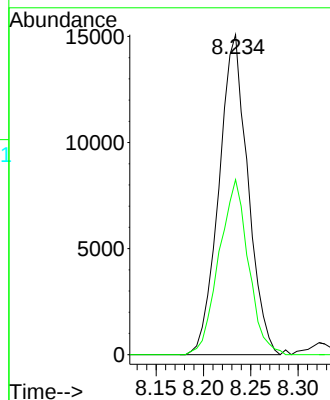
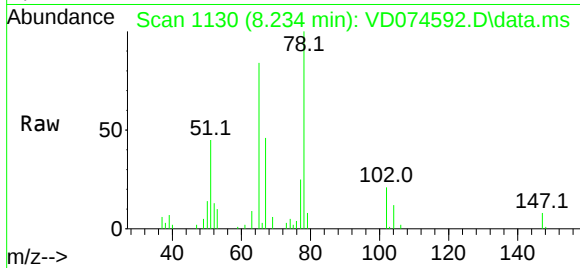
VD1020SBS01

Tgt Ion: 65 Resp: 32004

Ion Ratio Lower Upper

65 100

67 55.6 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD074592.D

Acq: 20 Oct 2022 12:44

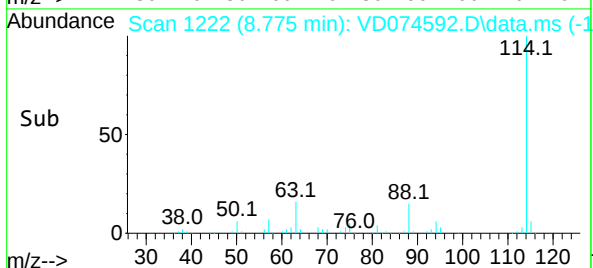
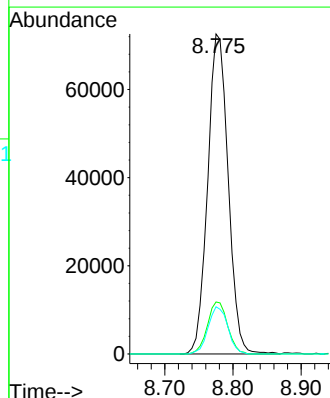
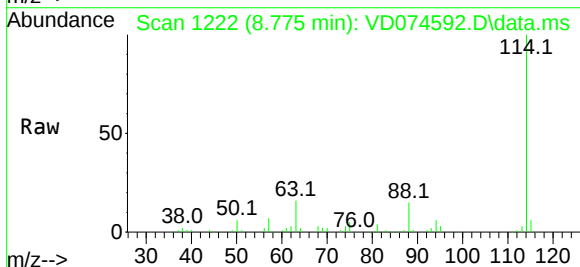
Tgt Ion: 114 Resp: 151834

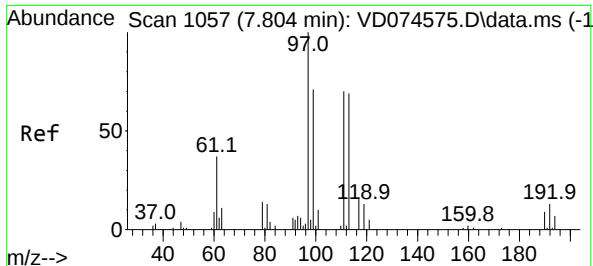
Ion Ratio Lower Upper

114 100

63 16.2 0.0 33.2

88 14.8 0.0 28.2





#35

Dibromofluoromethane

Concen: 48.325 ug/l

RT: 7.810 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VD074592.D

Acq: 20 Oct 2022 12:44

Instrument :

MSVOA\_D

ClientSampleId :

VD1020SBSD01

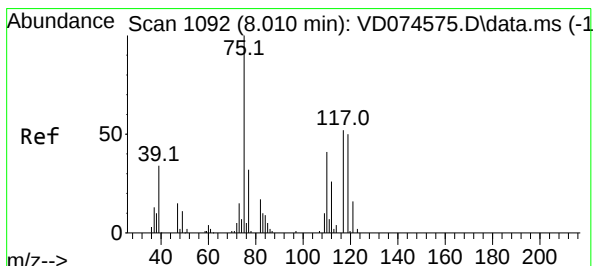
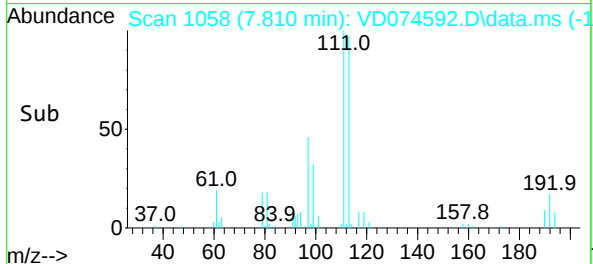
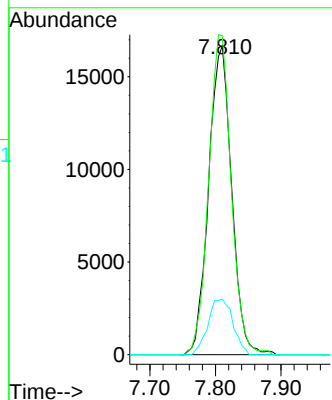
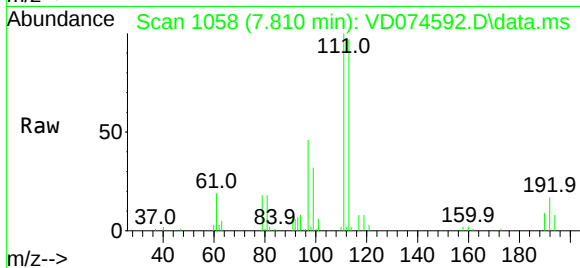
Tgt Ion:113 Resp: 40683

Ion Ratio Lower Upper

113 100

111 101.6 82.3 123.5

192 19.5 16.4 24.6



#36

1,1-Dichloropropene

Concen: 20.312 ug/l

RT: 8.005 min Scan# 1091

Delta R.T. 0.001 min

Lab File: VD074592.D

Acq: 20 Oct 2022 12:44

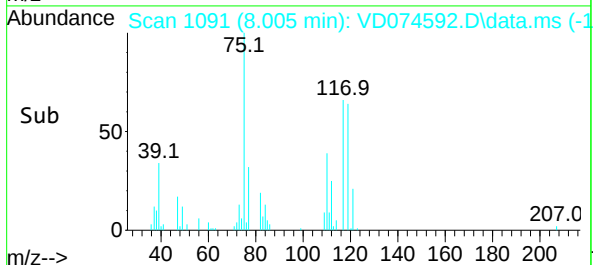
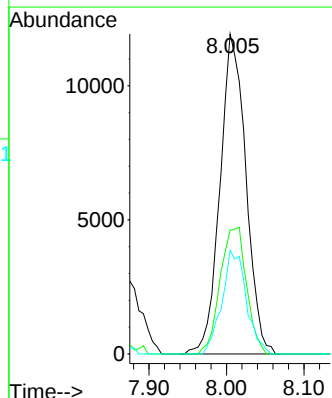
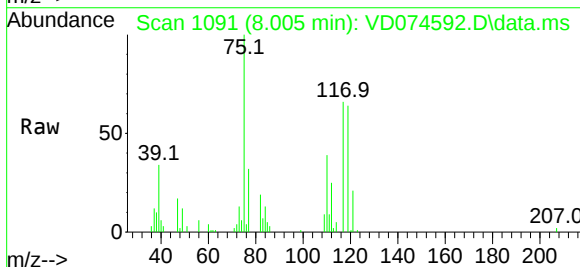
Tgt Ion: 75 Resp: 27705

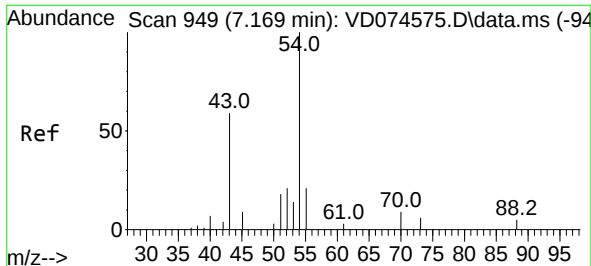
Ion Ratio Lower Upper

75 100

110 40.3 19.7 59.0

77 30.5 25.4 38.2





#37

Ethyl Acetate

Concen: 20.186 ug/l

RT: 7.163 min Scan# 949

Delta R.T. -0.006 min

Lab File: VD074592.D

Acq: 20 Oct 2022 12:44

Instrument :

MSVOA\_D

ClientSampleId :

VD1020SBS01

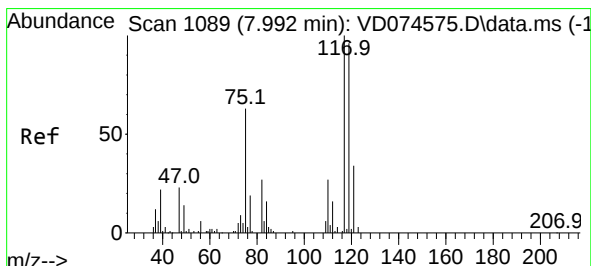
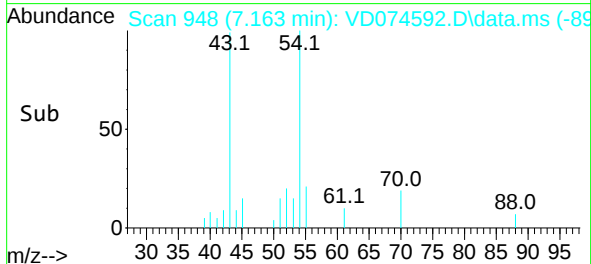
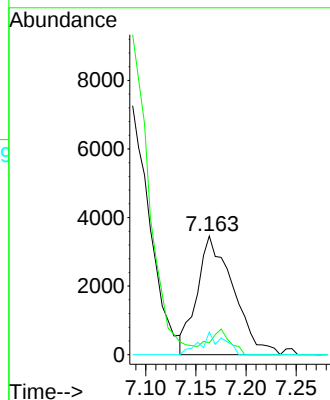
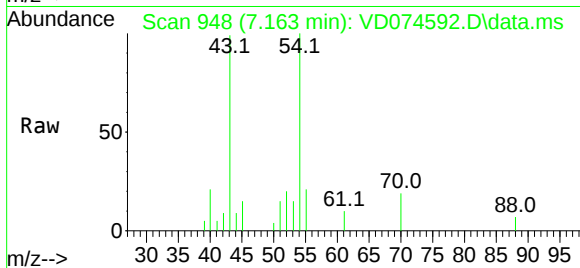
Tgt Ion: 43 Resp: 8687

Ion Ratio Lower Upper

43 100

61 12.4 12.2 18.4

70 12.3 9.6 14.4



#38

Carbon Tetrachloride

Concen: 19.918 ug/l

RT: 7.987 min Scan# 1088

Delta R.T. -0.000 min

Lab File: VD074592.D

Acq: 20 Oct 2022 12:44

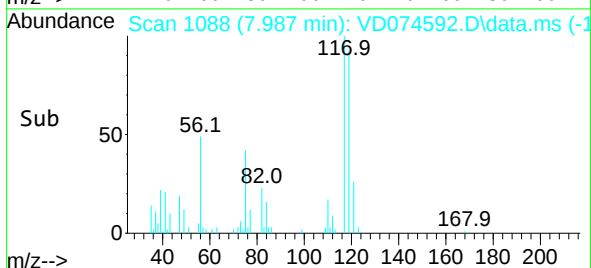
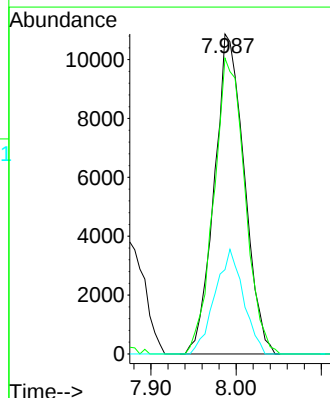
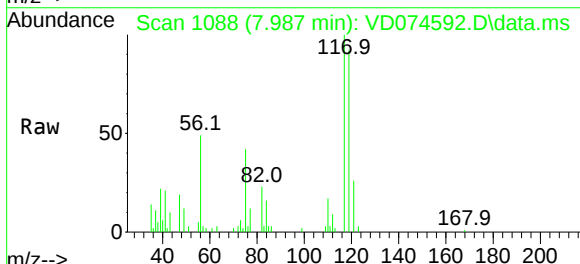
Tgt Ion: 117 Resp: 26603

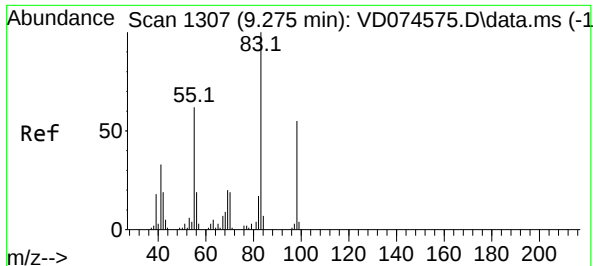
Ion Ratio Lower Upper

117 100

119 92.4 73.1 109.7

121 26.3 25.0 37.6





#39

Methylcyclohexane

Concen: 20.838 ug/l

RT: 9.275 min Scan# 11307

Delta R.T. 0.006 min

Lab File: VD074592.D

Acq: 20 Oct 2022 12:44

Instrument :

MSVOA\_D

ClientSampleId :

VD1020SBSD01

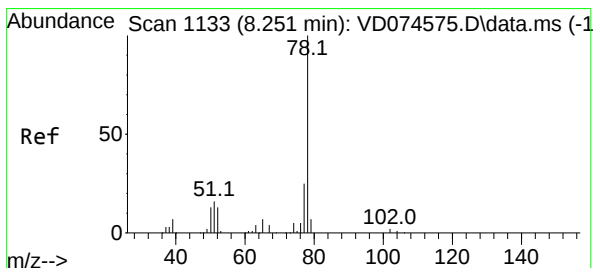
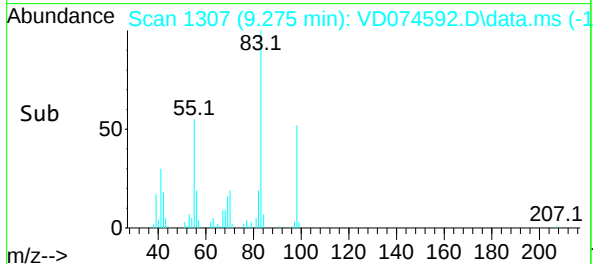
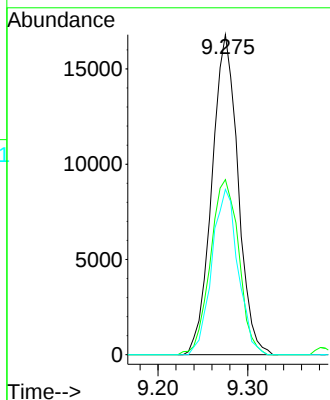
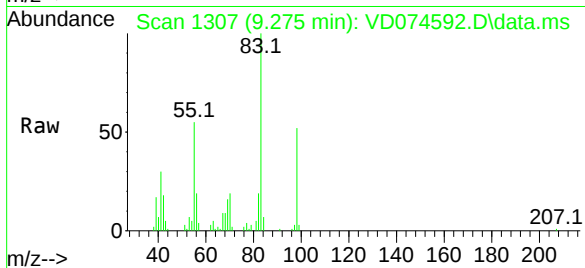
Tgt Ion: 83 Resp: 33960

Ion Ratio Lower Upper

83 100

55 54.7 49.0 73.4

98 51.7 41.7 62.5



#40

Benzene

Concen: 20.615 ug/l

RT: 8.252 min Scan# 1133

Delta R.T. -0.000 min

Lab File: VD074592.D

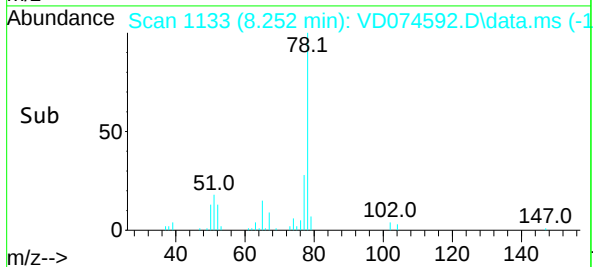
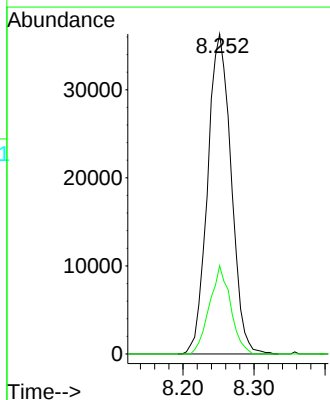
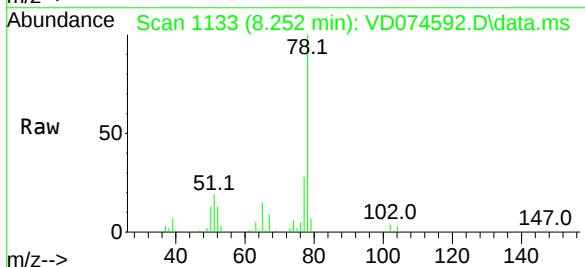
Acq: 20 Oct 2022 12:44

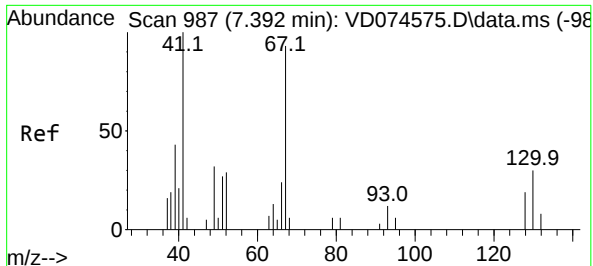
Tgt Ion: 78 Resp: 83453

Ion Ratio Lower Upper

78 100

77 27.6 20.1 30.1

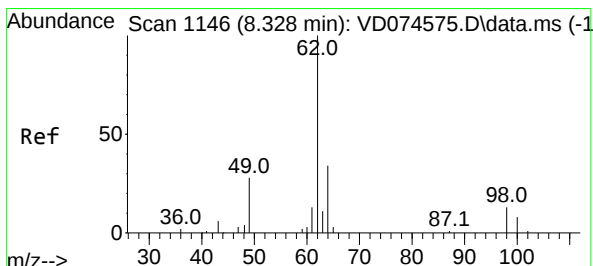
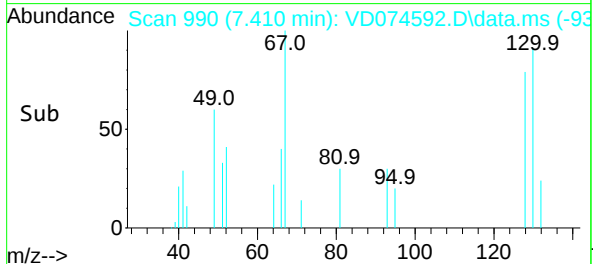
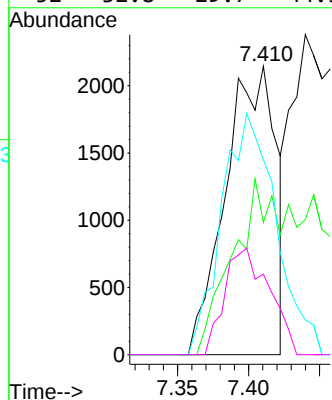
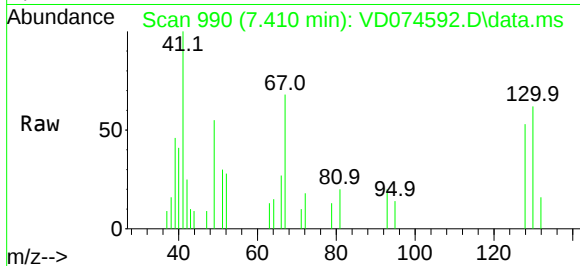




#41  
Methacrylonitrile  
Concen: 22.841 ug/l  
RT: 7.410 min Scan# 990  
Delta R.T. 0.006 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

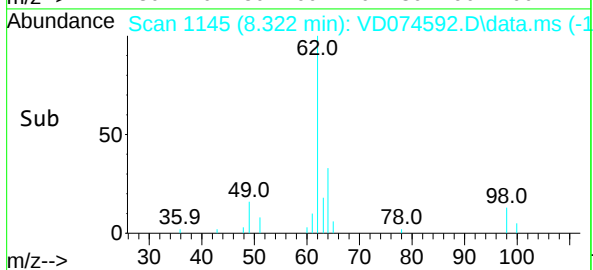
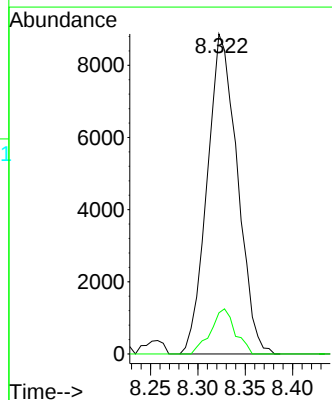
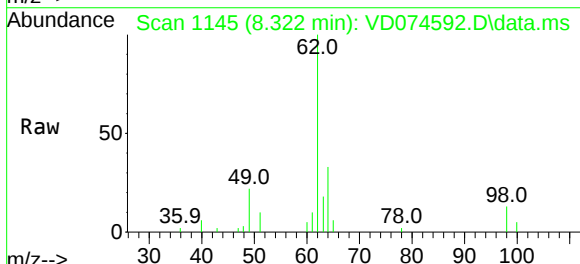
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1020SBS01

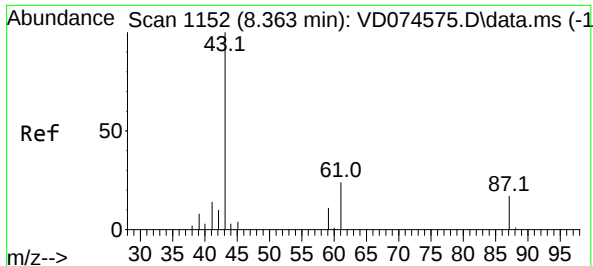
Tgt Ion: 41 Resp: 5296  
Ion Ratio Lower Upper  
41 100  
39 52.7 35.0 52.6#  
67 90.4 77.0 115.6  
52 32.8 29.7 44.5



#42  
1,2-Dichloroethane  
Concen: 21.055 ug/l  
RT: 8.322 min Scan# 1145  
Delta R.T. -0.006 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

Tgt Ion: 62 Resp: 19669  
Ion Ratio Lower Upper  
62 100  
98 11.4 0.0 24.2





#43

Isopropyl Acetate

Concen: 20.516 ug/l

RT: 8.357 min Scan# 1151

Delta R.T. -0.006 min

Lab File: VD074592.D

Acq: 20 Oct 2022 12:44

Instrument :

MSVOA\_D

ClientSampleId :

VD1020SBS01

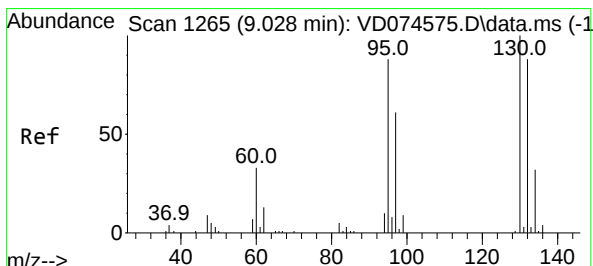
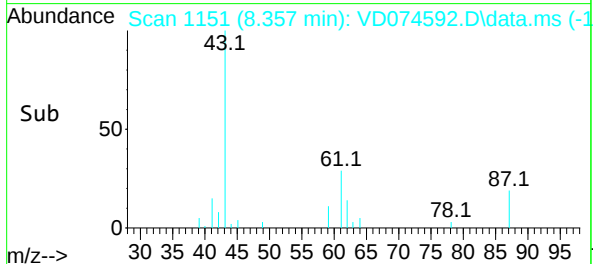
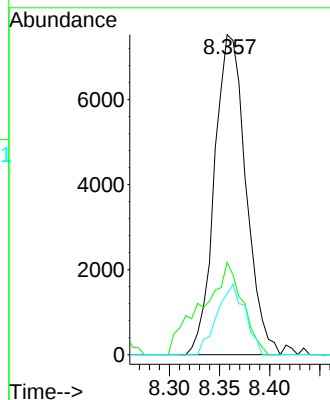
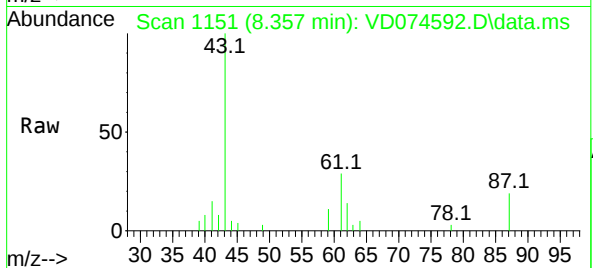
Tgt Ion: 43 Resp: 16408

Ion Ratio Lower Upper

43 100

61 37.4 30.9 46.3

87 19.8 14.3 21.5



#44

Trichloroethene

Concen: 21.003 ug/l

RT: 9.028 min Scan# 1265

Delta R.T. 0.000 min

Lab File: VD074592.D

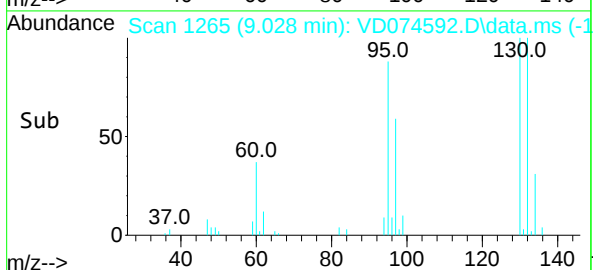
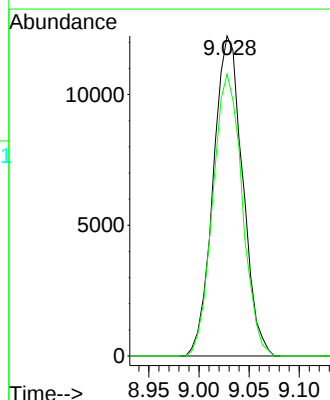
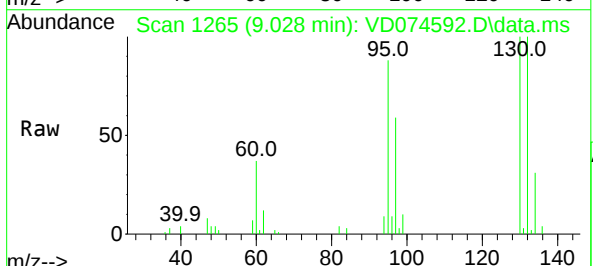
Acq: 20 Oct 2022 12:44

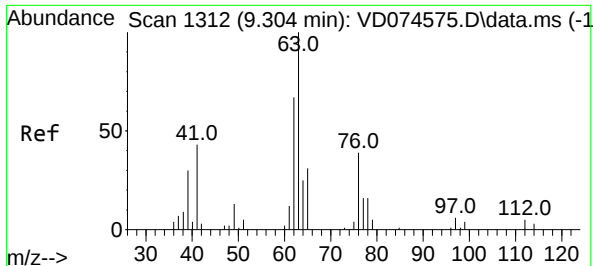
Tgt Ion:130 Resp: 24907

Ion Ratio Lower Upper

130 100

95 88.1 0.0 185.4





#45

1,2-Dichloropropane

Concen: 20.869 ug/l

RT: 9.304 min Scan# 1312

Delta R.T. 0.000 min

Lab File: VD074592.D

Acq: 20 Oct 2022 12:44

Instrument :

MSVOA\_D

ClientSampleId :

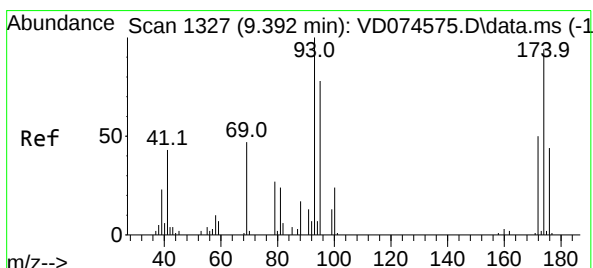
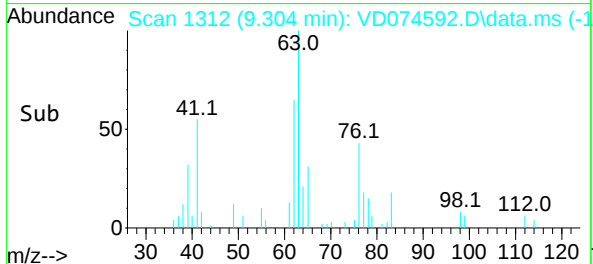
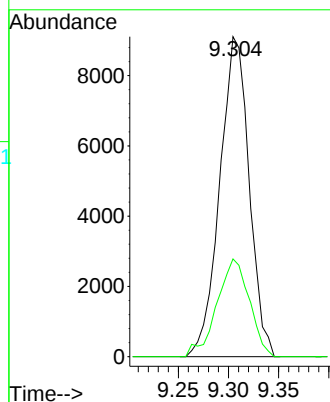
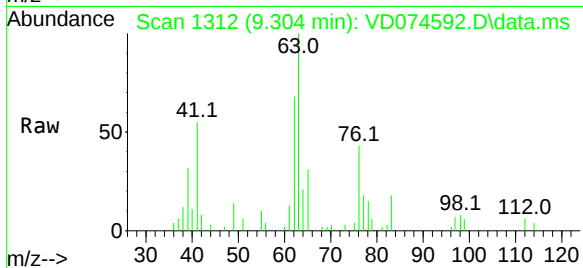
VD1020SBS01

Tgt Ion: 63 Resp: 18540

Ion Ratio Lower Upper

63 100

65 30.5 23.1 34.7



#46

Dibromomethane

Concen: 21.621 ug/l

RT: 9.393 min Scan# 1327

Delta R.T. -0.006 min

Lab File: VD074592.D

Acq: 20 Oct 2022 12:44

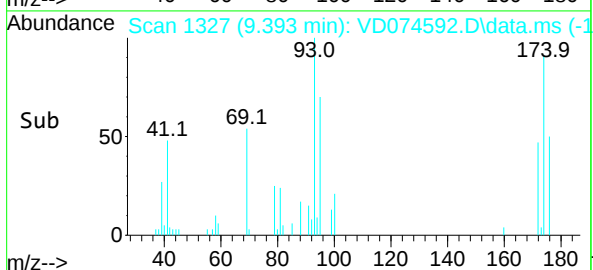
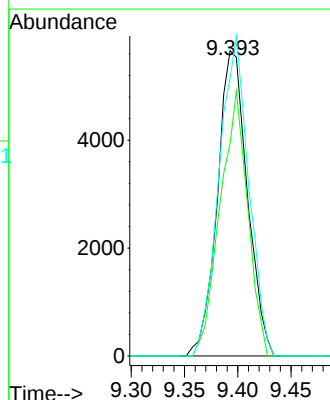
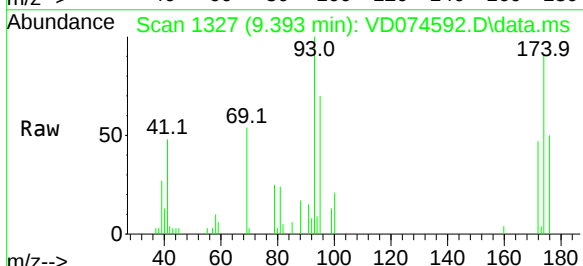
Tgt Ion: 93 Resp: 11084

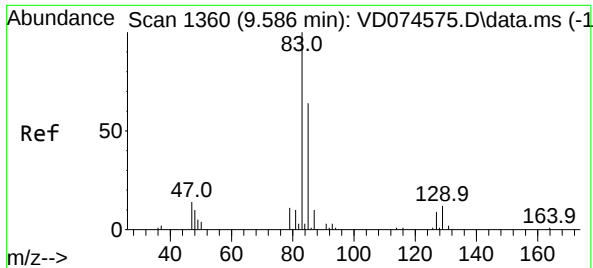
Ion Ratio Lower Upper

93 100

95 79.9 68.2 102.2

174 103.4 87.4 131.0

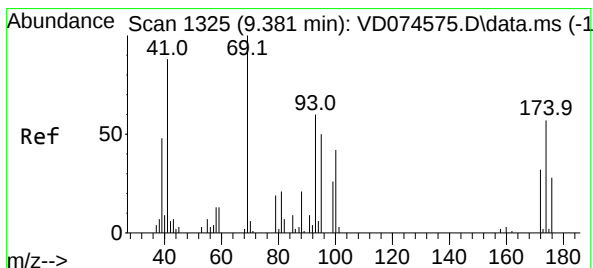
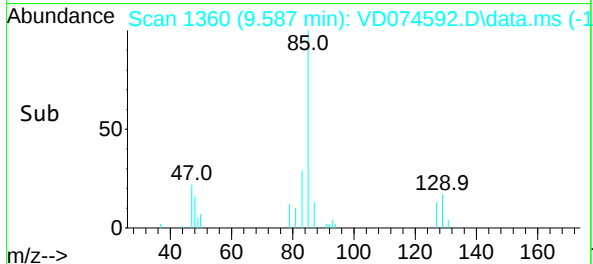
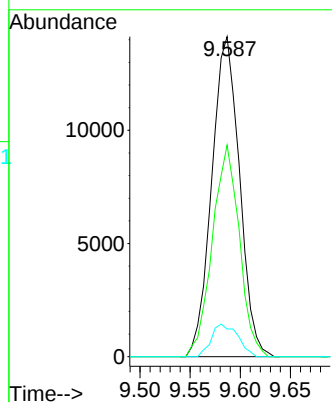
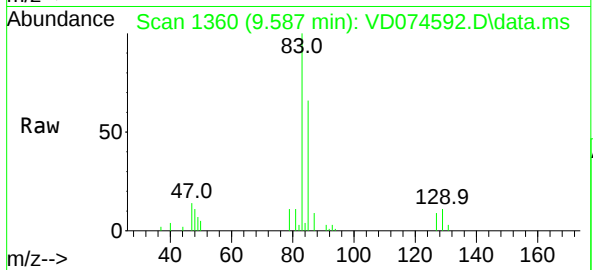




#47  
Bromodichloromethane  
Concen: 21.465 ug/l  
RT: 9.587 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

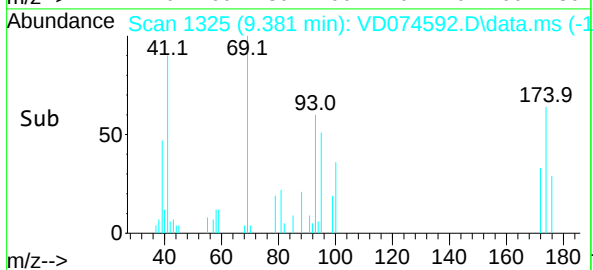
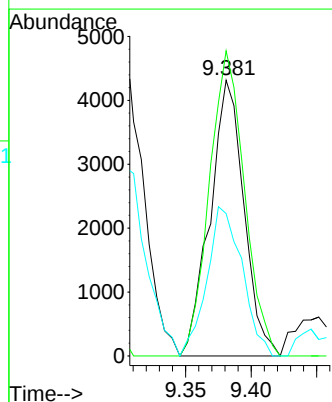
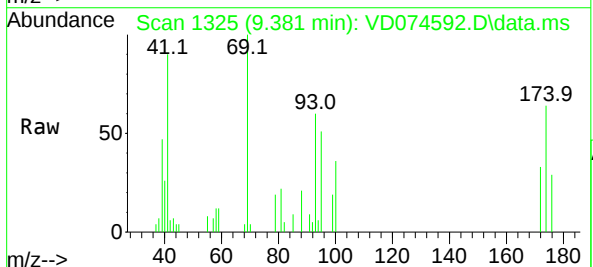
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1020SBSD01

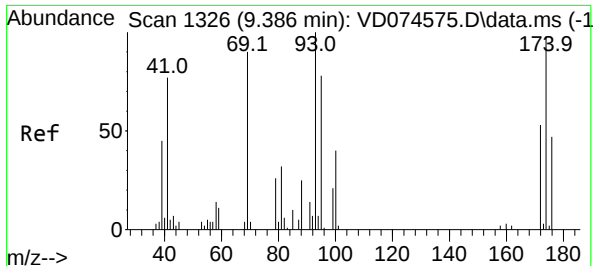
Tgt Ion: 83 Resp: 27225  
Ion Ratio Lower Upper  
83 100  
85 66.1 48.8 73.2  
127 8.6 6.7 10.1



#48  
Methyl methacrylate  
Concen: 21.200 ug/l  
RT: 9.381 min Scan# 1325  
Delta R.T. -0.000 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

Tgt Ion: 41 Resp: 7749  
Ion Ratio Lower Upper  
41 100  
69 114.5 93.0 139.4  
39 56.2 44.6 66.8





#49

1,4-Dioxane

Concen: 457.447 ug/l

RT: 9.387 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD074592.D

Acq: 20 Oct 2022 12:44

Instrument :

MSVOA\_D

ClientSampleId :

VD1020SBSD01

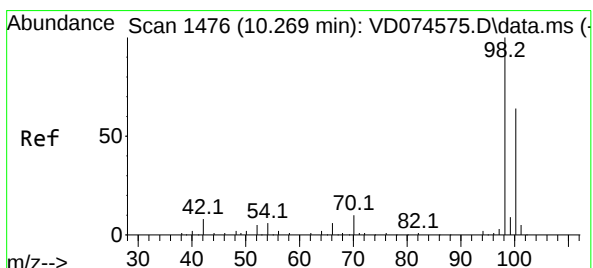
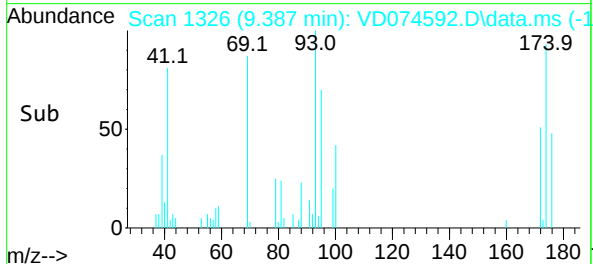
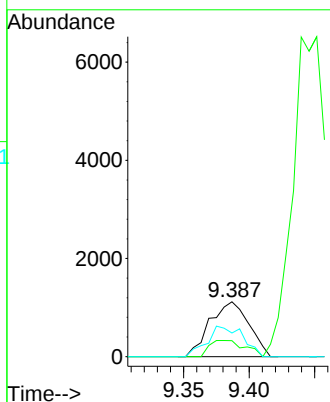
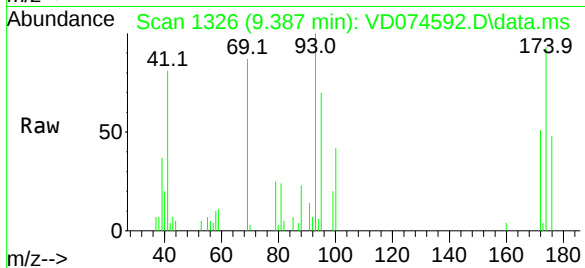
Tgt Ion: 88 Resp: 2308

Ion Ratio Lower Upper

88 100

43 26.8 24.1 36.1

58 51.2 43.1 64.7



#50

Toluene-d8

Concen: 46.074 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD074592.D

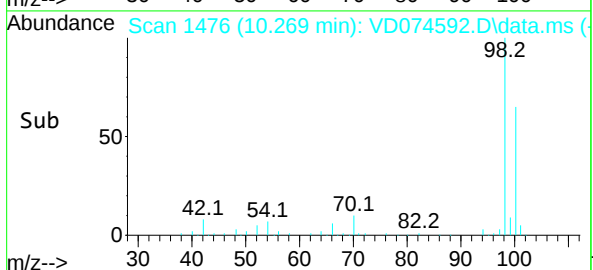
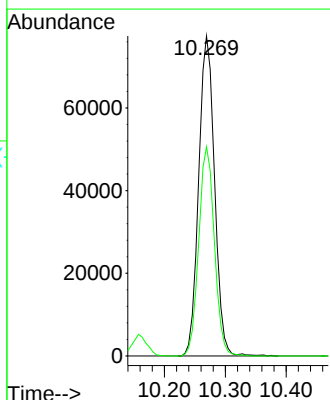
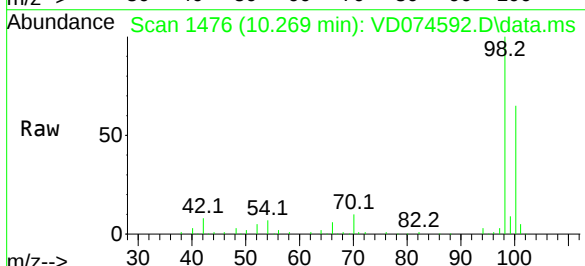
Acq: 20 Oct 2022 12:44

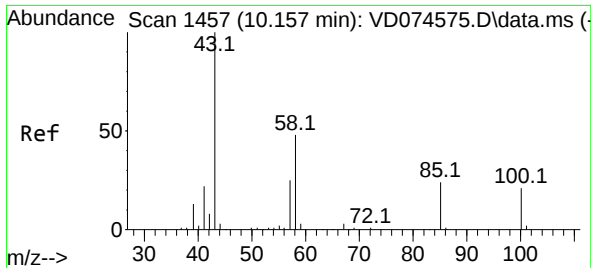
Tgt Ion: 98 Resp: 140019

Ion Ratio Lower Upper

98 100

100 64.4 51.4 77.0

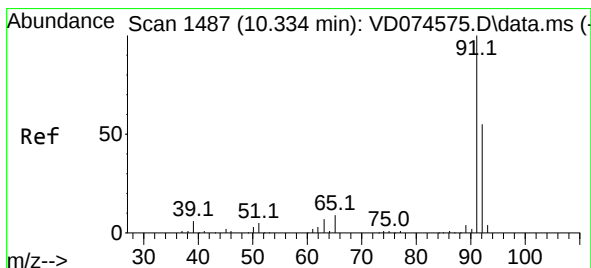
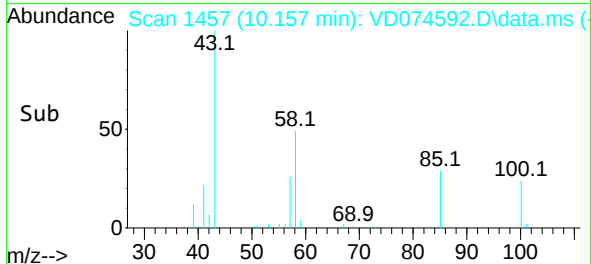
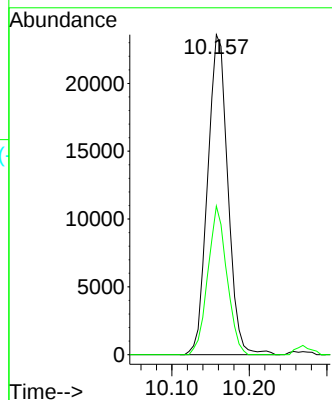
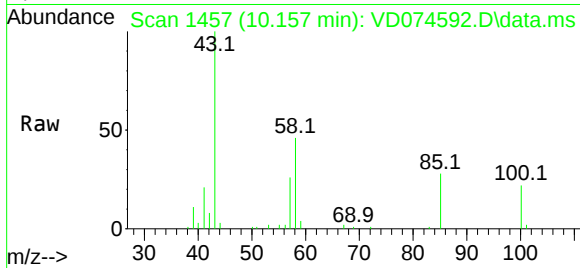




#51  
4-Methyl-2-Pentanone  
Concen: 107.328 ug/l  
RT: 10.157 min Scan# 1457  
Delta R.T. 0.000 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

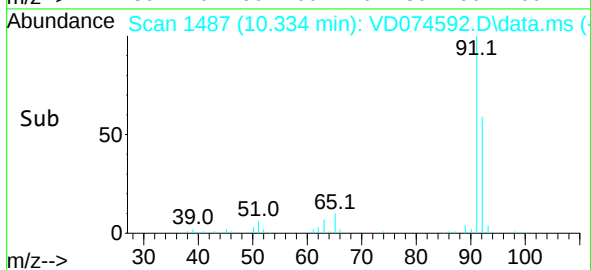
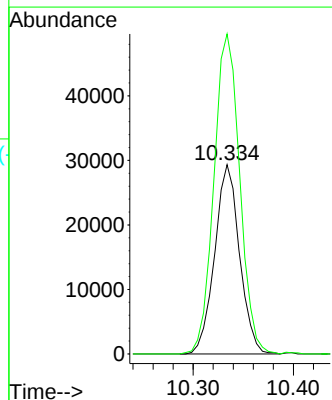
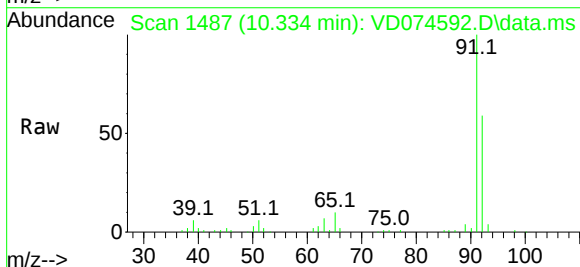
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1020SBSD01

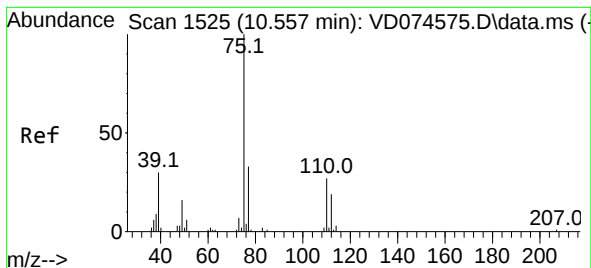
Tgt Ion: 43 Resp: 42696  
Ion Ratio Lower Upper  
43 100  
58 43.7 37.8 56.6



#52  
Toluene  
Concen: 20.227 ug/l  
RT: 10.334 min Scan# 1487  
Delta R.T. -0.000 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

Tgt Ion: 92 Resp: 50497  
Ion Ratio Lower Upper  
92 100  
91 175.6 139.0 208.4

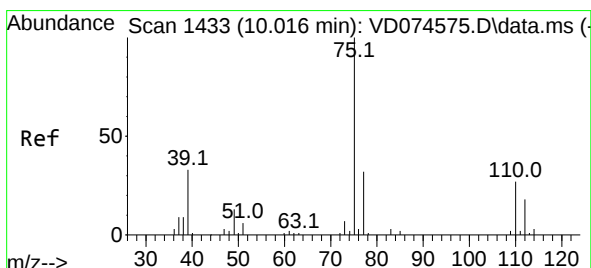
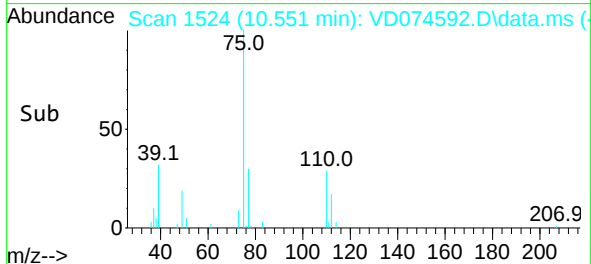
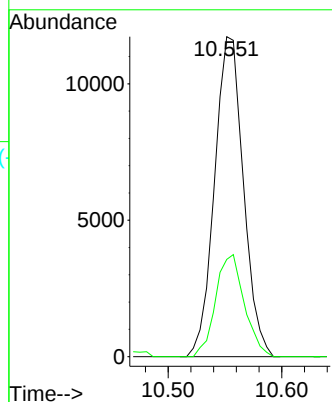
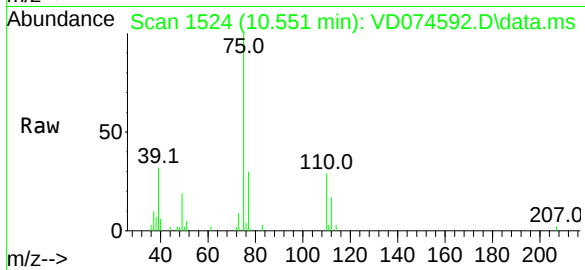




#53  
 t-1,3-Dichloropropene  
 Concen: 18.573 ug/l  
 RT: 10.551 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VD074592.D  
 Acq: 20 Oct 2022 12:44

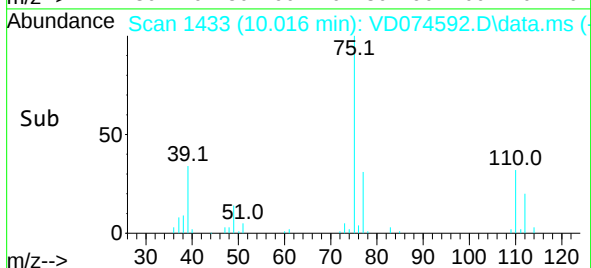
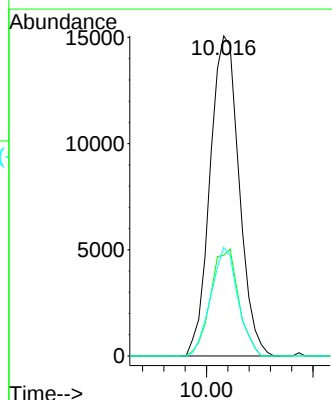
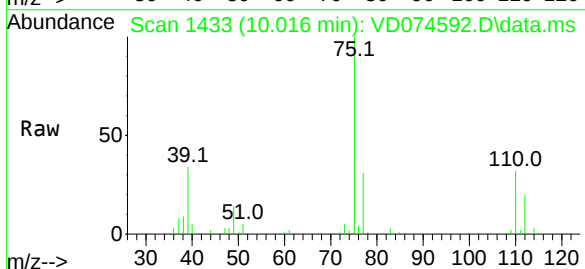
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1020SBSD01

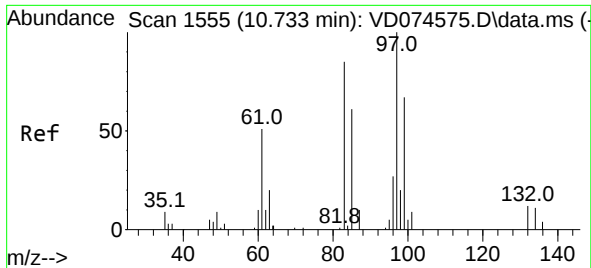
Tgt Ion: 75 Resp: 20712  
 Ion Ratio Lower Upper  
 75 100  
 77 30.4 25.6 38.4



#54  
 cis-1,3-Dichloropropene  
 Concen: 20.262 ug/l  
 RT: 10.016 min Scan# 1433  
 Delta R.T. 0.000 min  
 Lab File: VD074592.D  
 Acq: 20 Oct 2022 12:44

Tgt Ion: 75 Resp: 28490  
 Ion Ratio Lower Upper  
 75 100  
 77 31.5 24.7 37.1  
 39 33.9 25.4 38.2

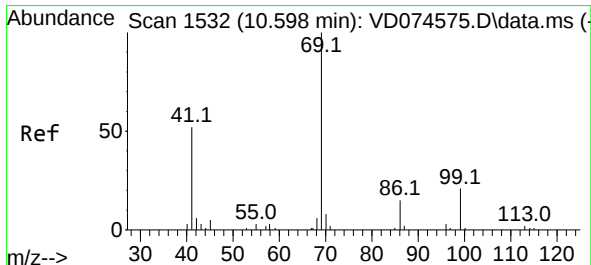
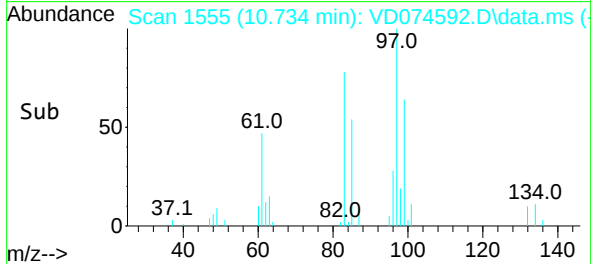
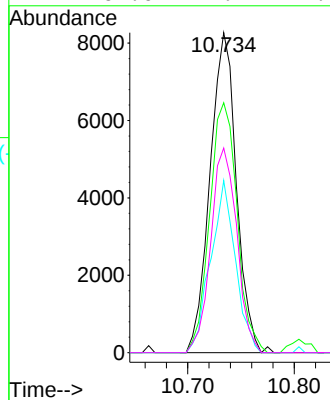
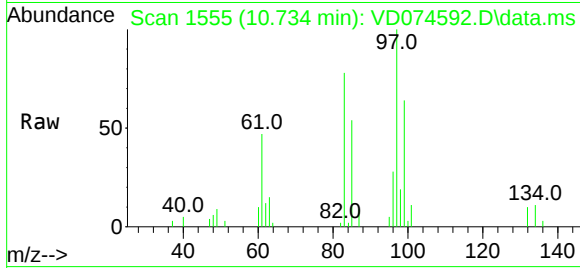




#55  
1,1,2-Trichloroethane  
Concen: 20.186 ug/l  
RT: 10.734 min Scan# 1555  
Delta R.T. -0.000 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

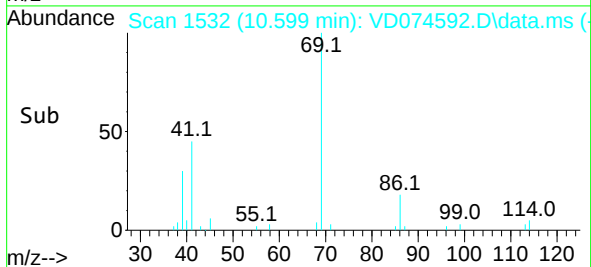
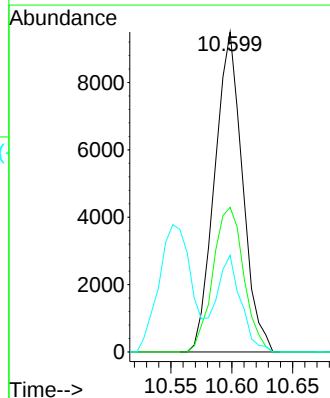
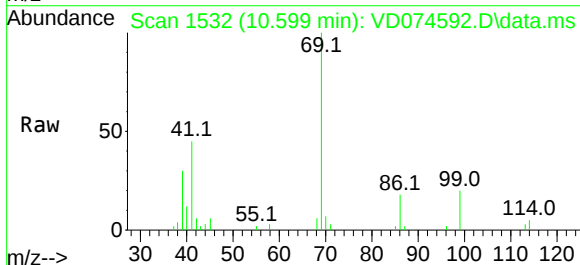
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1020SBS01

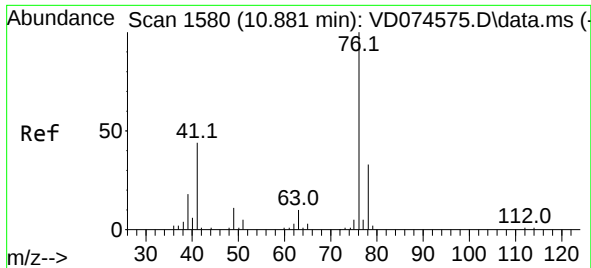
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 14218 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 83 78.1     | 64.8 97.2   |
| 85 53.8     | 44.8 67.2   |
| 99 64.0     | 49.4 74.0   |



#56  
Ethyl methacrylate  
Concen: 19.597 ug/l  
RT: 10.599 min Scan# 1532  
Delta R.T. 0.006 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

|             |             |
|-------------|-------------|
| Tgt Ion: 69 | Resp: 15088 |
| Ion Ratio   | Lower Upper |
| 69 100      |             |
| 41 49.9     | 38.6 58.0   |
| 39 27.3     | 19.9 29.9   |

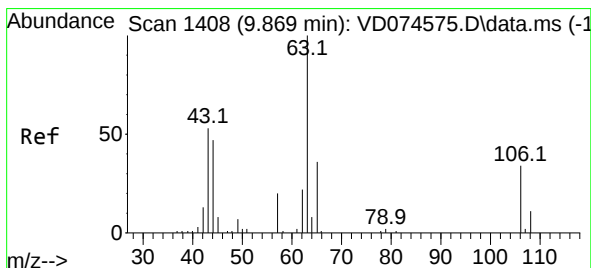
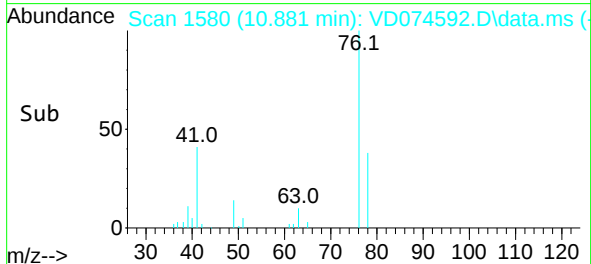
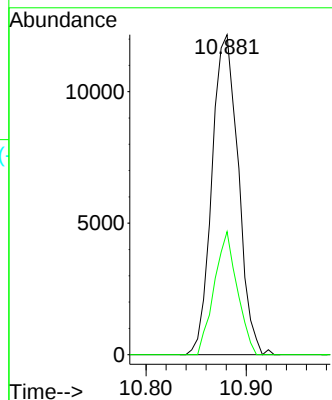
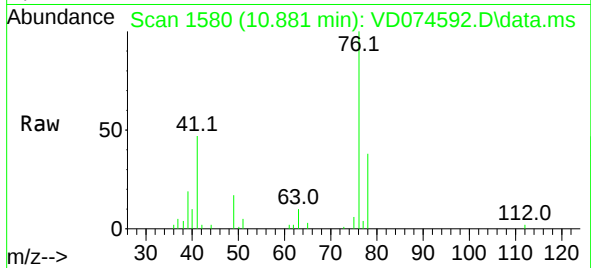




#57  
1,3-Dichloropropane  
Concen: 19.395 ug/l  
RT: 10.881 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

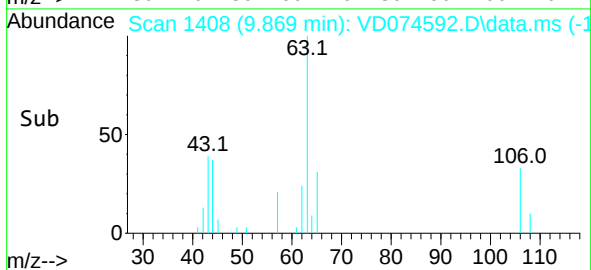
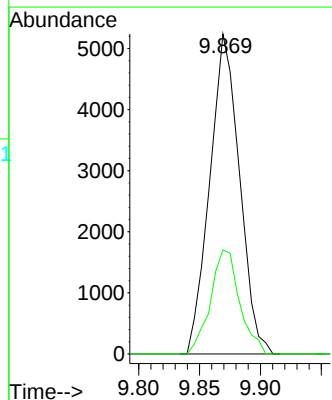
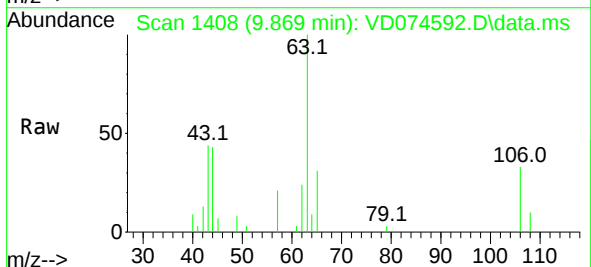
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1020SBSD01

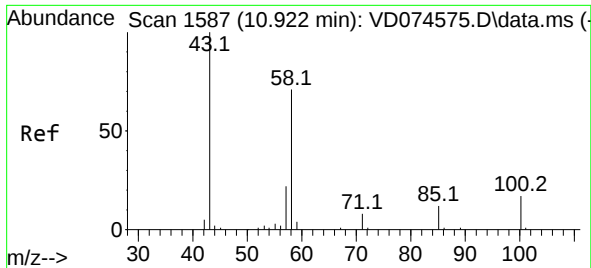
Tgt Ion: 76 Resp: 22161  
Ion Ratio Lower Upper  
76 100  
78 33.5 25.7 38.5



#58  
2-Chloroethyl Vinyl ether  
Concen: 75.191 ug/l  
RT: 9.869 min Scan# 1408  
Delta R.T. 0.000 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

Tgt Ion: 63 Resp: 8894  
Ion Ratio Lower Upper  
63 100  
106 31.9 26.5 39.7

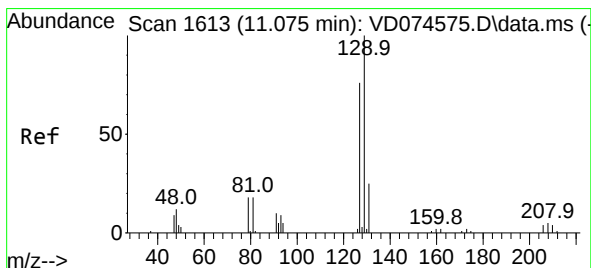
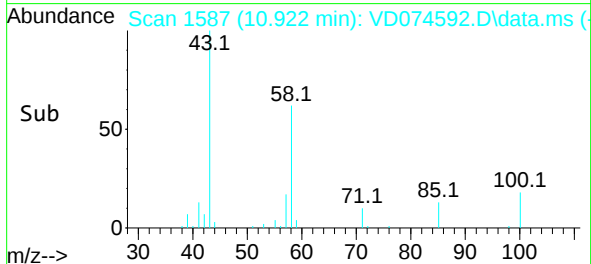
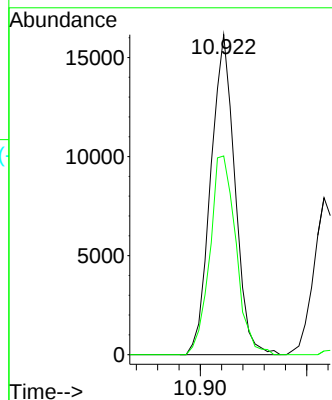
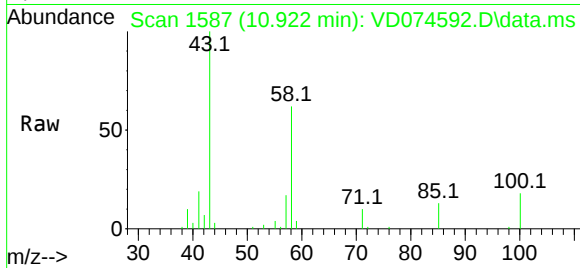




#59  
2-Hexanone  
Concen: 93.506 ug/l  
RT: 10.922 min Scan# 1587  
Delta R.T. 0.006 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

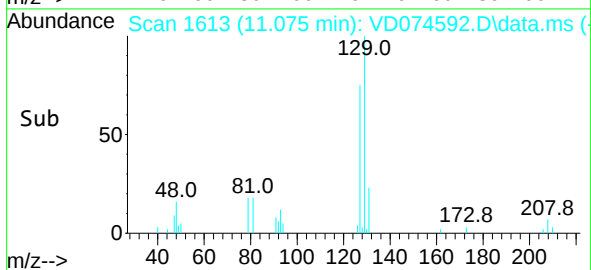
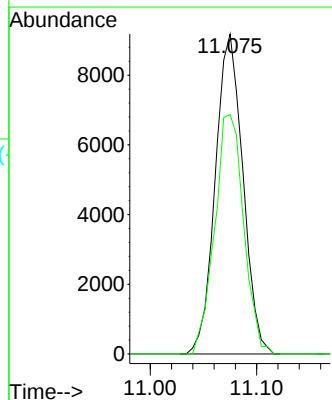
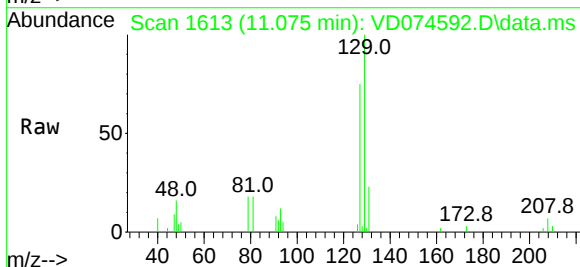
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1020SBSD01

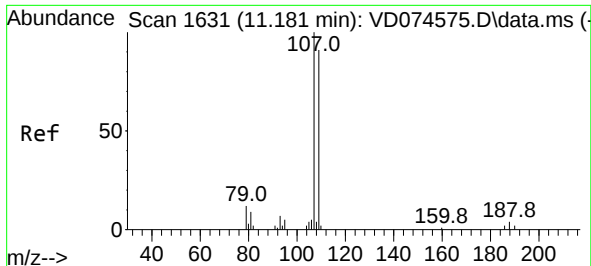
Tgt Ion: 43 Resp: 25389  
Ion Ratio Lower Upper  
43 100  
58 67.2 32.0 96.2



#60  
Dibromochloromethane  
Concen: 19.401 ug/l  
RT: 11.075 min Scan# 1613  
Delta R.T. 0.006 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

Tgt Ion: 129 Resp: 16471  
Ion Ratio Lower Upper  
129 100  
127 78.7 39.1 117.2

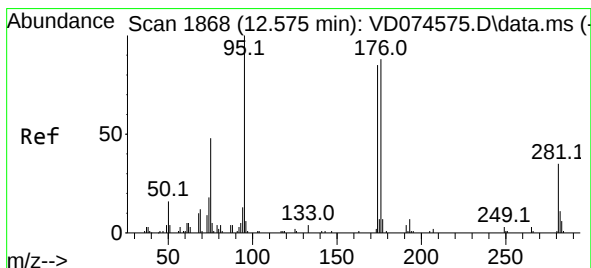
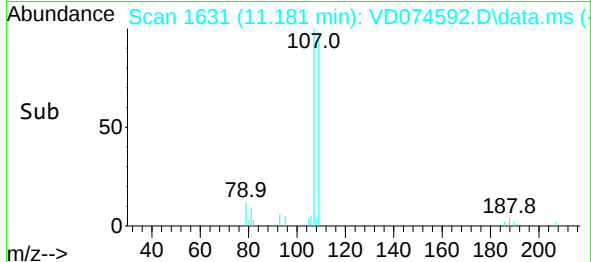
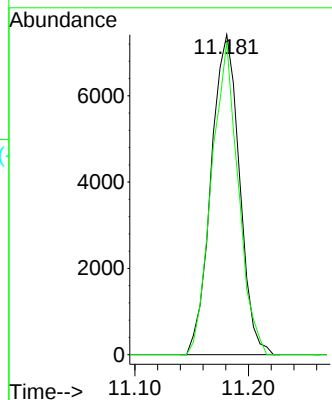
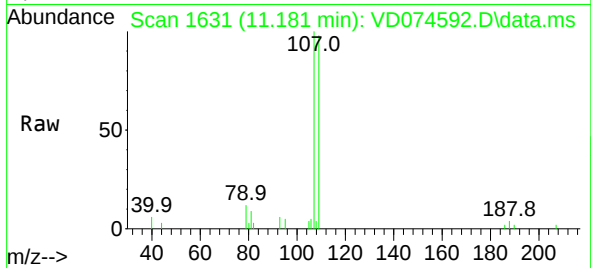




#61  
1,2-Dibromoethane  
Concen: 20.016 ug/l  
RT: 11.181 min Scan# 1631  
Delta R.T. 0.006 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

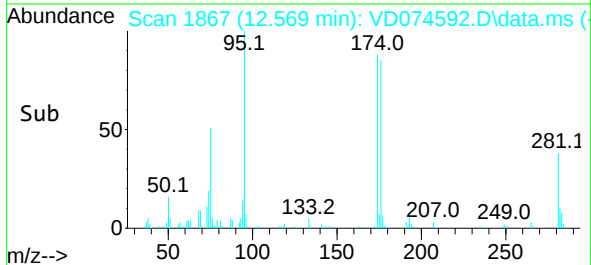
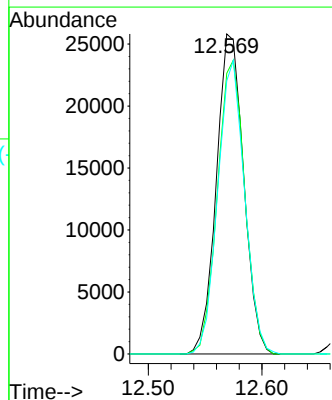
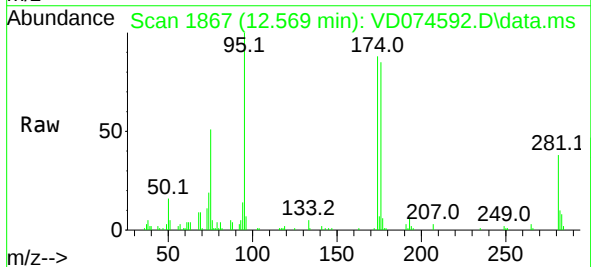
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1020SBS01

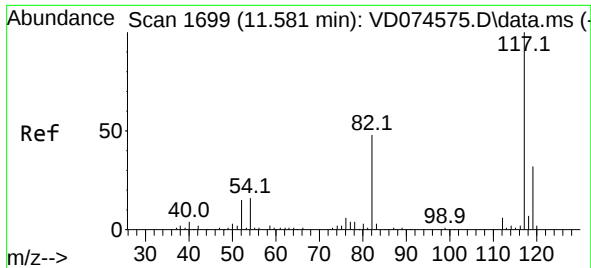
Tgt Ion:107 Resp: 12869  
Ion Ratio Lower Upper  
107 100  
109 91.9 74.6 111.8



#62  
4-Bromofluorobenzene  
Concen: 49.227 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. 0.000 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

Tgt Ion: 95 Resp: 43064  
Ion Ratio Lower Upper  
95 100  
174 91.9 0.0 197.0  
176 90.0 0.0 182.6

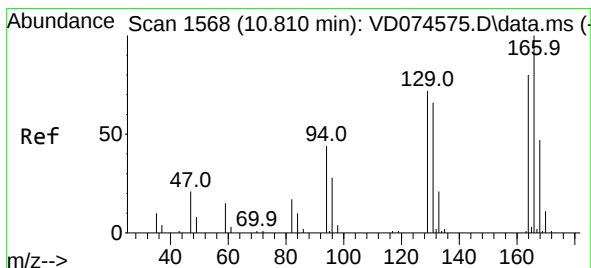
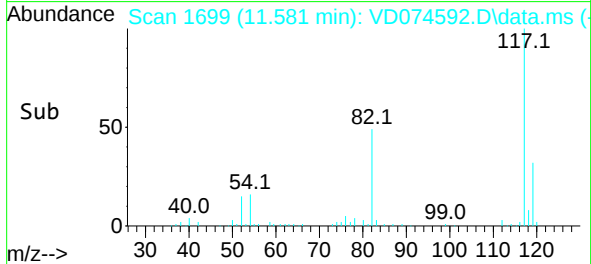
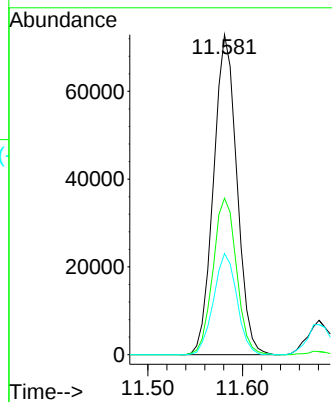
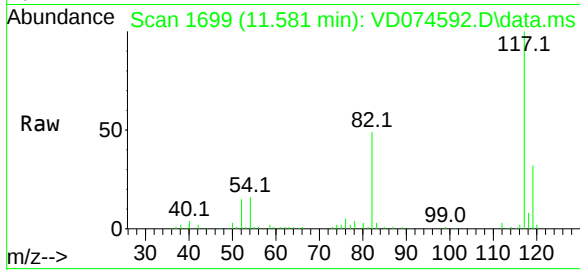




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

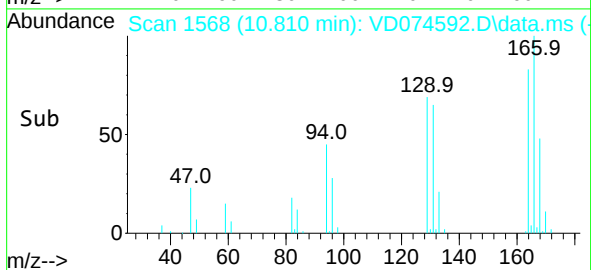
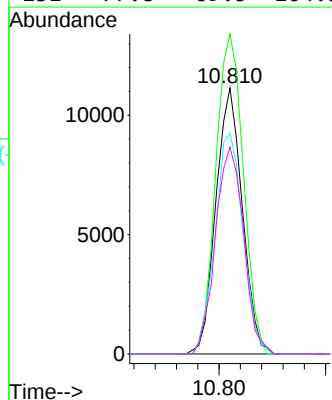
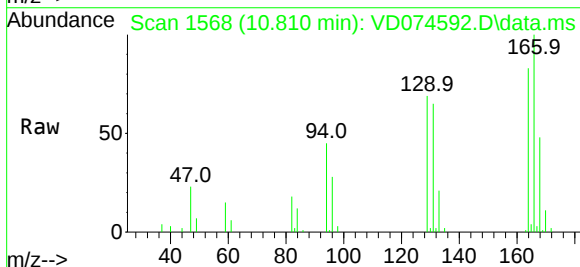
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1020SBSD01

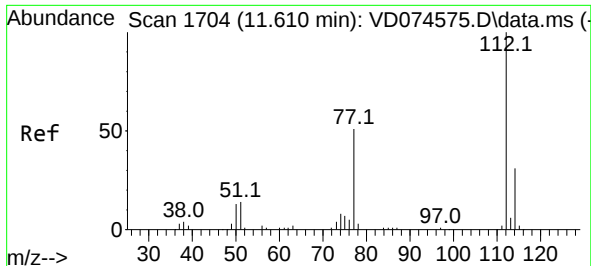
Tgt Ion:117 Resp: 124812  
Ion Ratio Lower Upper  
117 100  
82 48.9 41.6 62.4  
119 31.6 25.2 37.8



#64  
Tetrachloroethene  
Concen: 20.785 ug/l  
RT: 10.810 min Scan# 1568  
Delta R.T. 0.006 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

Tgt Ion:164 Resp: 19176  
Ion Ratio Lower Upper  
164 100  
166 120.3 107.8 161.8  
129 83.1 77.4 116.2  
131 77.8 69.5 104.3

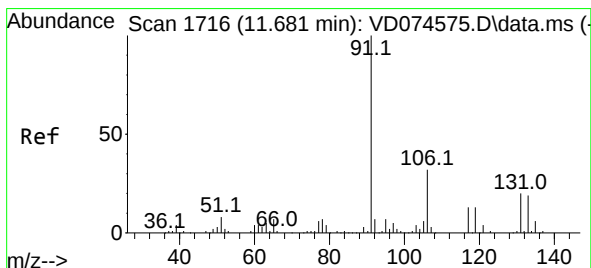
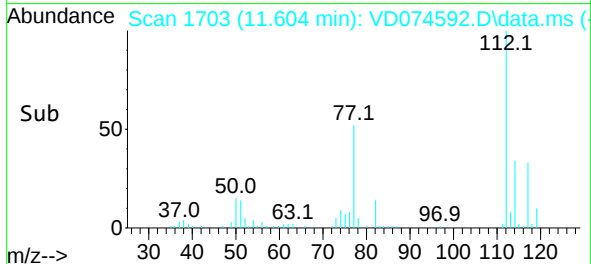
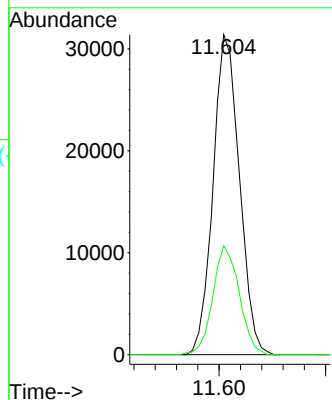
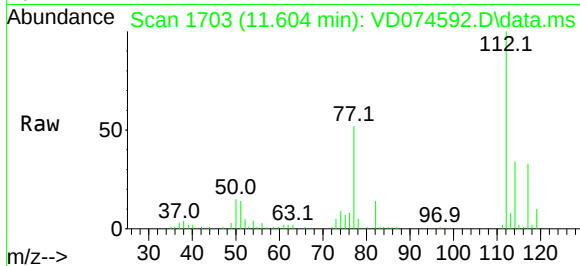




#65  
Chlorobenzene  
Concen: 20.457 ug/l  
RT: 11.604 min Scan# 1703  
Delta R.T. 0.000 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

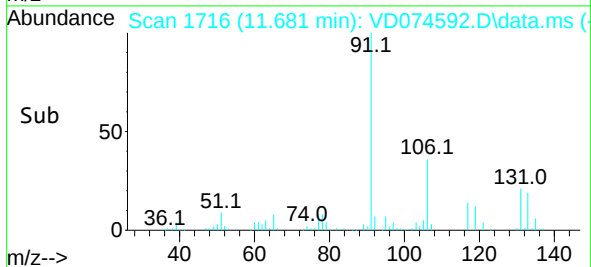
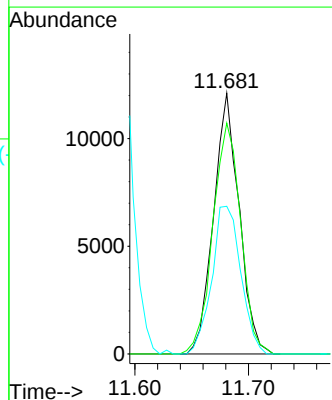
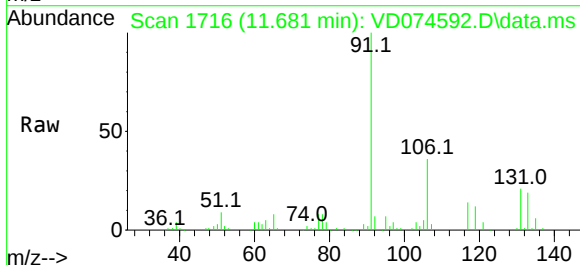
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1020SBSD01

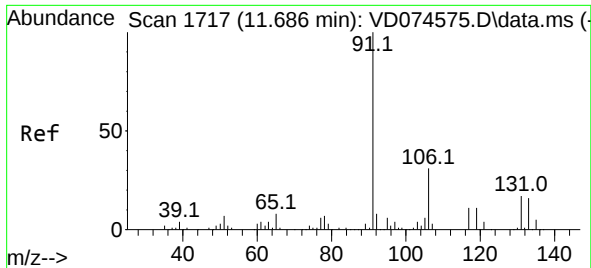
Tgt Ion:112 Resp: 53781  
Ion Ratio Lower Upper  
112 100  
114 34.0 25.1 37.7



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.966 ug/l  
RT: 11.681 min Scan# 1716  
Delta R.T. -0.000 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

Tgt Ion:131 Resp: 18937  
Ion Ratio Lower Upper  
131 100  
133 96.4 46.6 139.8  
119 64.3 32.5 97.4

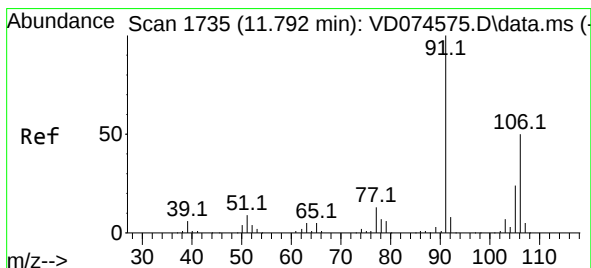
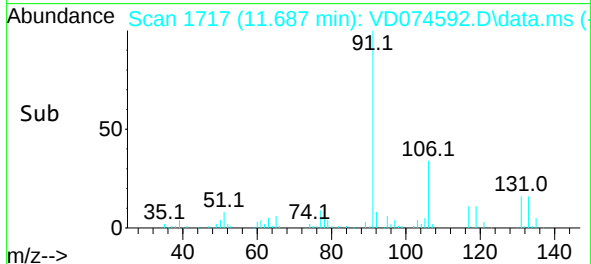
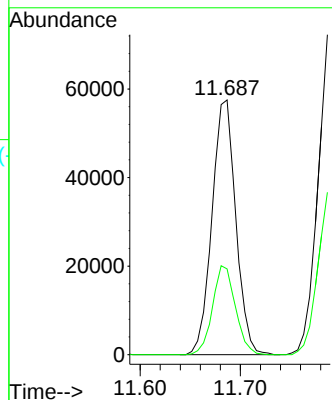
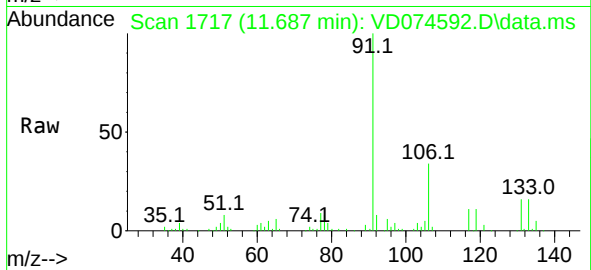




#67  
Ethyl Benzene  
Concen: 20.746 ug/l  
RT: 11.687 min Scan# 1717  
Delta R.T. 0.006 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

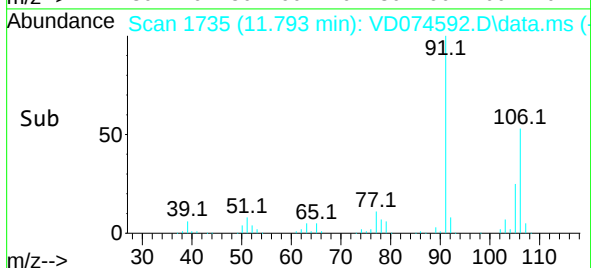
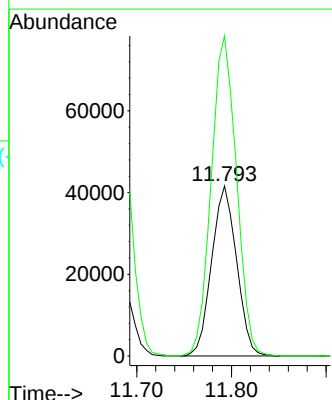
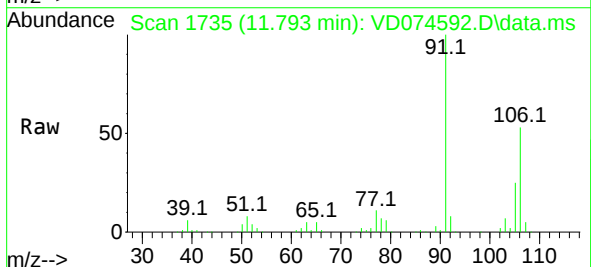
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1020SBSD01

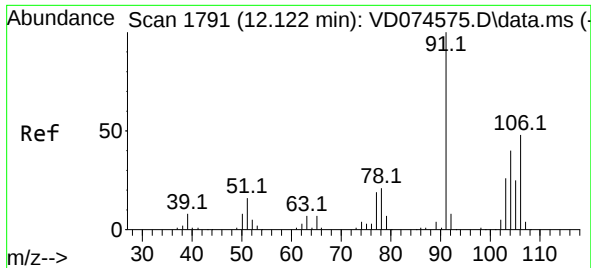
Tgt Ion: 91 Resp: 94975  
Ion Ratio Lower Upper  
91 100  
106 33.6 26.6 40.0



#68  
m/p-Xylenes  
Concen: 41.773 ug/l  
RT: 11.793 min Scan# 1735  
Delta R.T. -0.000 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

Tgt Ion:106 Resp: 76038  
Ion Ratio Lower Upper  
106 100  
91 191.1 156.2 234.4

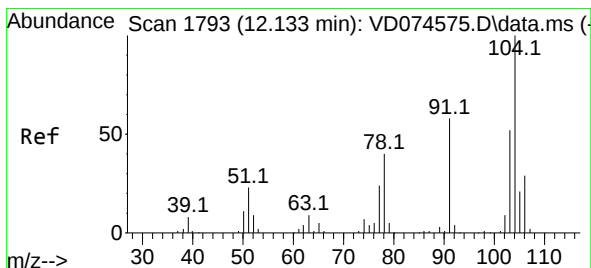
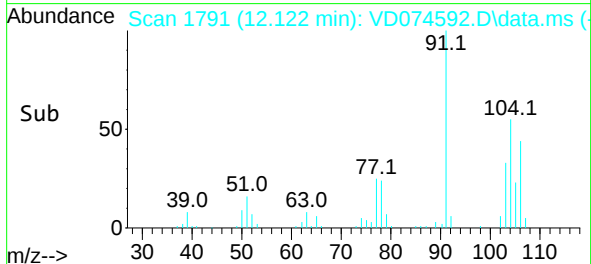
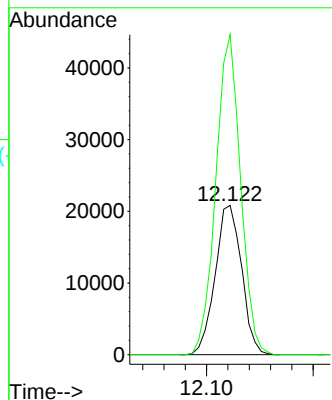
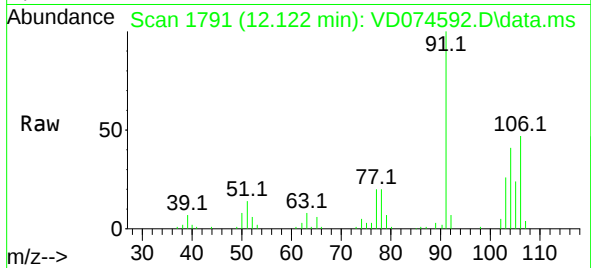




#69  
o-Xylene  
Concen: 21.143 ug/l  
RT: 12.122 min Scan# 1791  
Delta R.T. 0.006 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

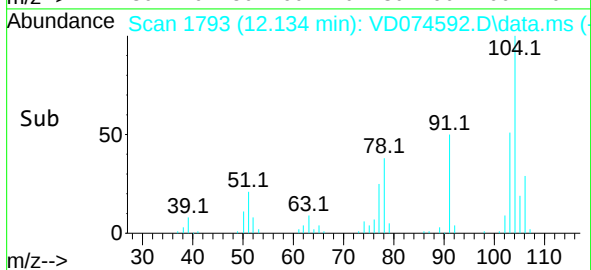
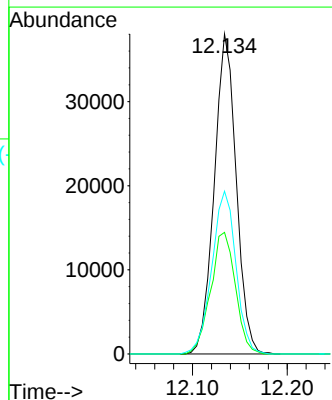
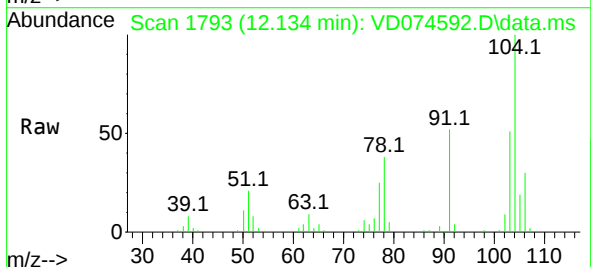
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1020SBS01

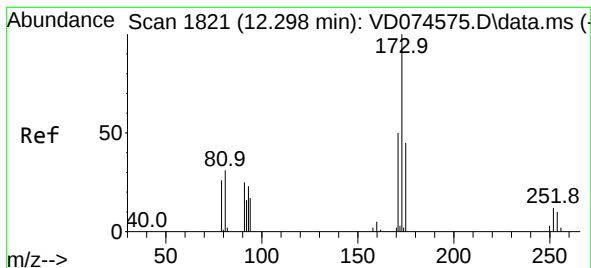
Tgt Ion:106 Resp: 35818  
Ion Ratio Lower Upper  
106 100  
91 200.8 104.5 313.3



#70  
Styrene  
Concen: 21.507 ug/l  
RT: 12.134 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

Tgt Ion:104 Resp: 61360  
Ion Ratio Lower Upper  
104 100  
78 42.6 35.7 53.5  
103 55.9 43.7 65.5





#71

Bromoform

Concen: 20.883 ug/l

RT: 12.298 min Scan# 1821

Delta R.T. 0.006 min

Lab File: VD074592.D

Acq: 20 Oct 2022 12:44

Instrument :

MSVOA\_D

ClientSampleId :

VD1020SBSD01

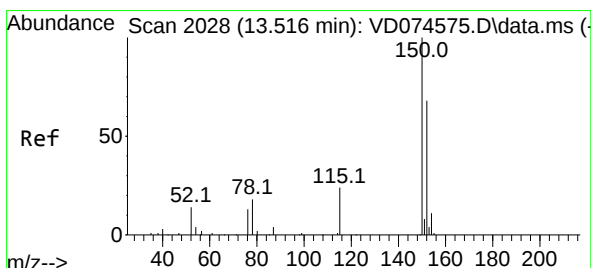
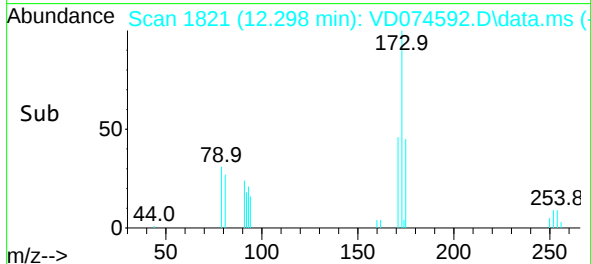
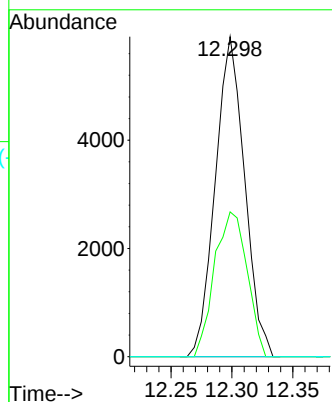
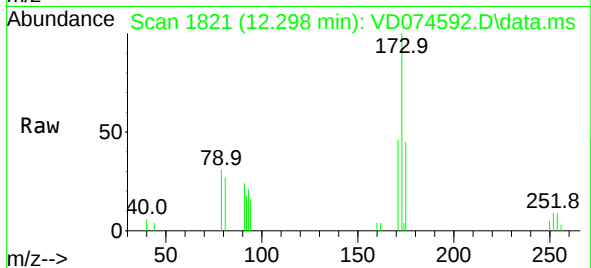
Tgt Ion:173 Resp: 9903

Ion Ratio Lower Upper

173 100

175 50.2 23.1 69.3

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. 0.006 min

Lab File: VD074592.D

Acq: 20 Oct 2022 12:44

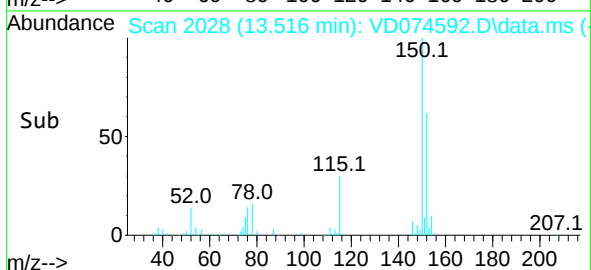
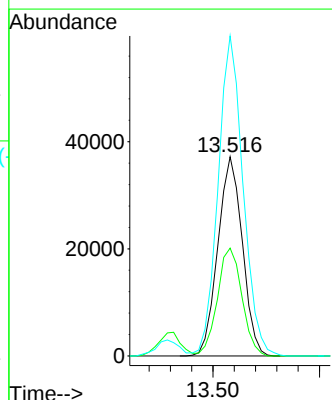
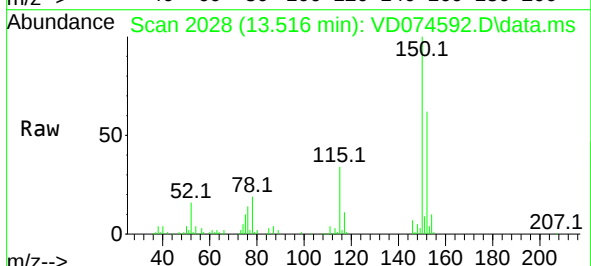
Tgt Ion:152 Resp: 59348

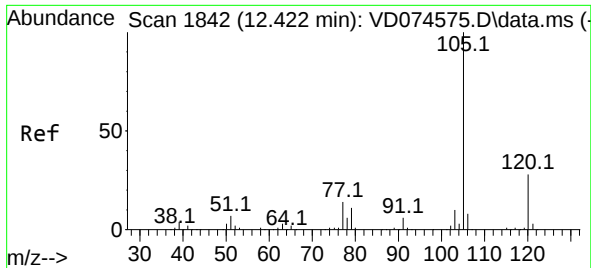
Ion Ratio Lower Upper

152 100

115 54.2 26.8 80.4

150 164.3 0.0 348.2

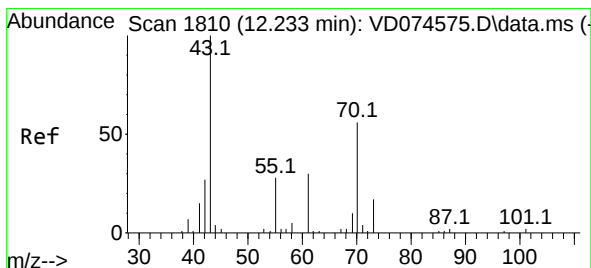
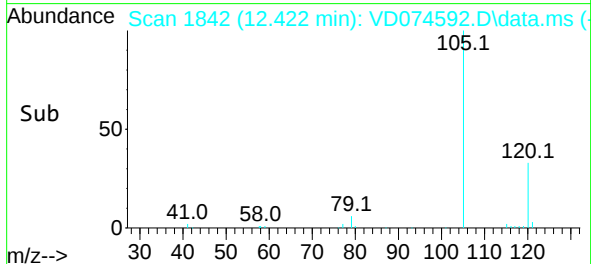
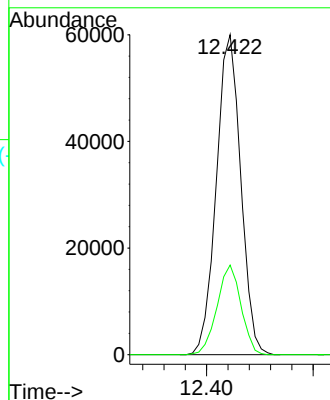
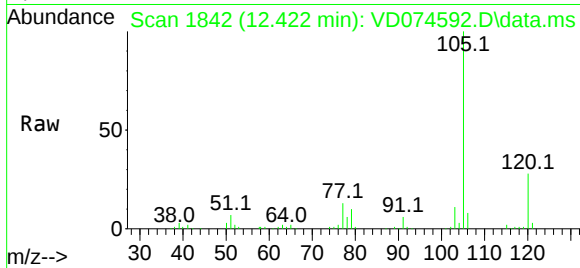




#73  
Isopropylbenzene  
Concen: 20.567 ug/l  
RT: 12.422 min Scan# 1842  
Delta R.T. 0.006 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

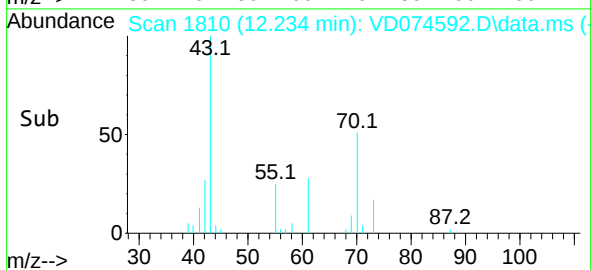
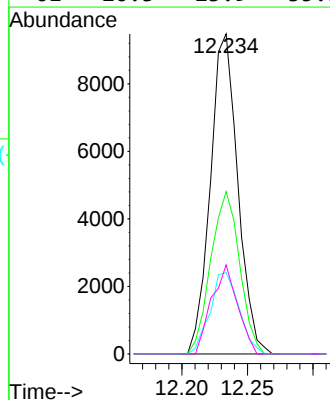
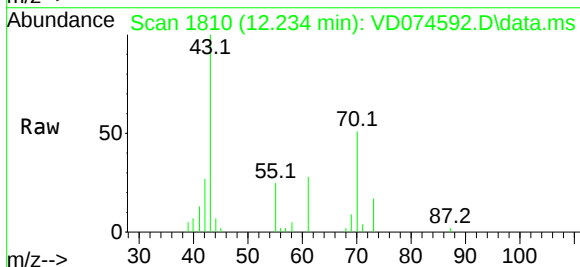
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1020SBSD01

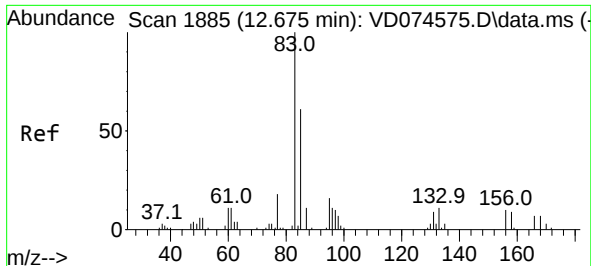
Tgt Ion:105 Resp: 95195  
Ion Ratio Lower Upper  
105 100  
120 27.5 13.5 40.4



#74  
N-ethyl acetate  
Concen: 20.175 ug/l  
RT: 12.234 min Scan# 1810  
Delta R.T. 0.006 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

Tgt Ion: 43 Resp: 13802  
Ion Ratio Lower Upper  
43 100  
70 53.0 43.8 65.6  
55 27.0 22.0 33.0  
61 26.3 23.9 35.9

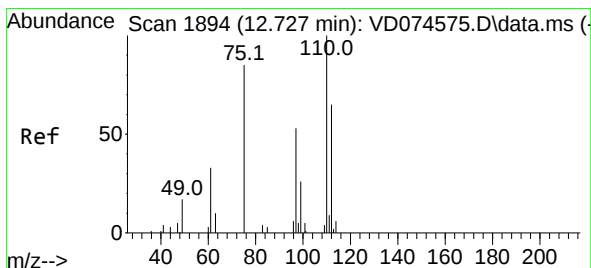
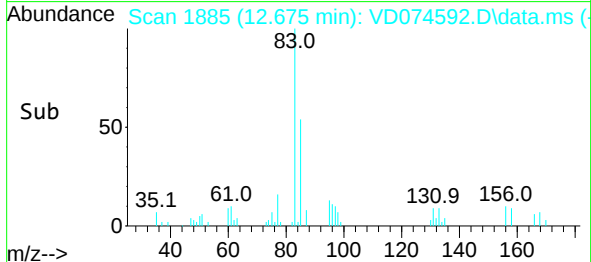
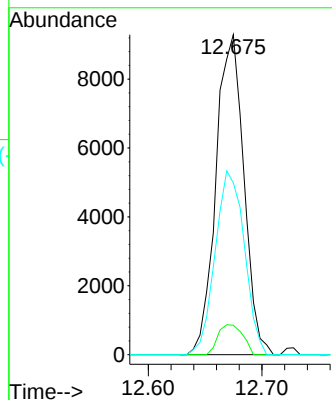
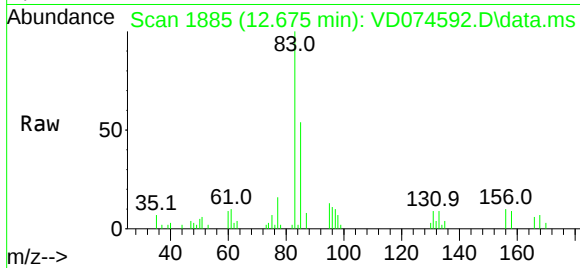




#75  
1,1,2,2-Tetrachloroethane  
Concen: 21.617 ug/l  
RT: 12.675 min Scan# 1885  
Delta R.T. 0.006 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

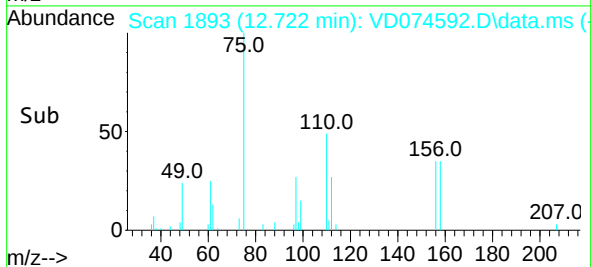
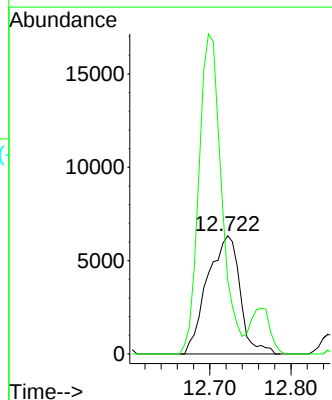
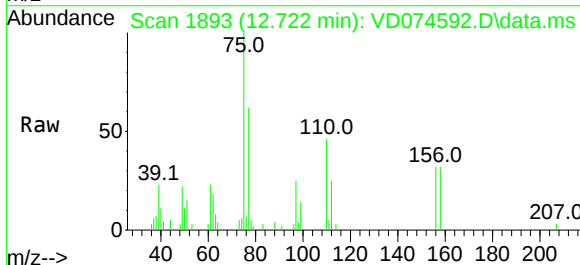
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1020SBSD01

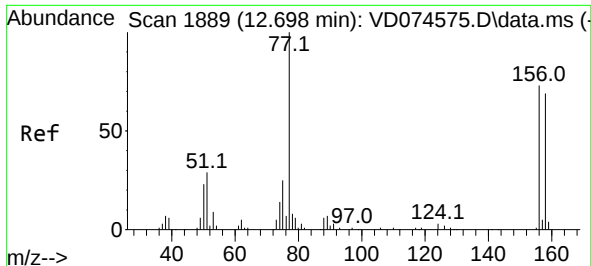
Tgt Ion: 83 Resp: 15839  
Ion Ratio Lower Upper  
83 100  
131 8.3 4.7 14.1  
85 60.1 33.1 99.2



#76  
1,2,3-Trichloropropane  
Concen: 34.139 ug/l  
RT: 12.722 min Scan# 1893  
Delta R.T. 0.006 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

Tgt Ion: 75 Resp: 17691  
Ion Ratio Lower Upper  
75 100  
77 0.0 185.8 557.5#

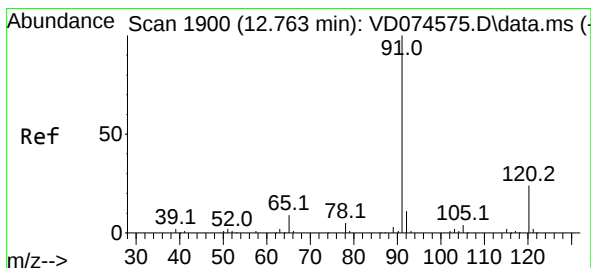
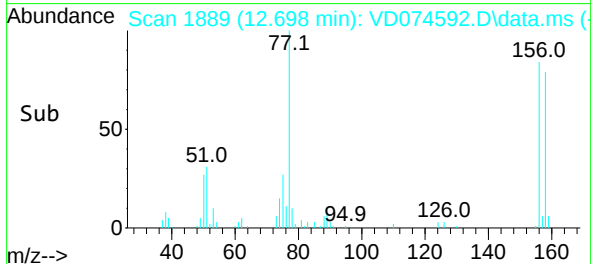
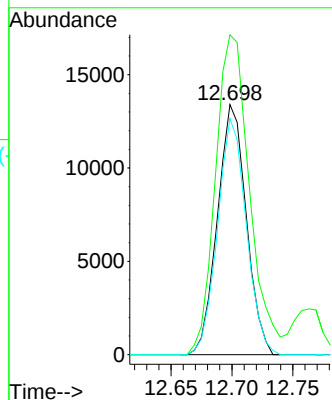
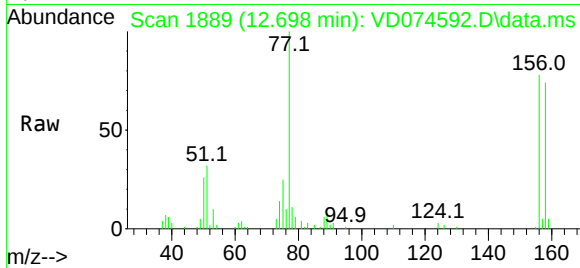




#77  
Bromobenzene  
Concen: 21.168 ug/l  
RT: 12.698 min Scan# 1889  
Delta R.T. 0.000 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

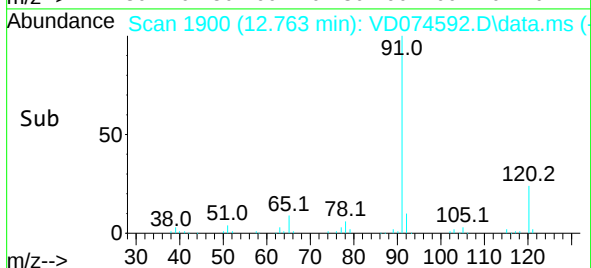
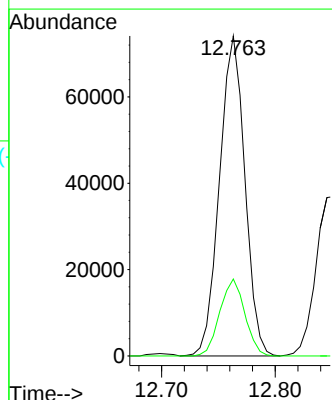
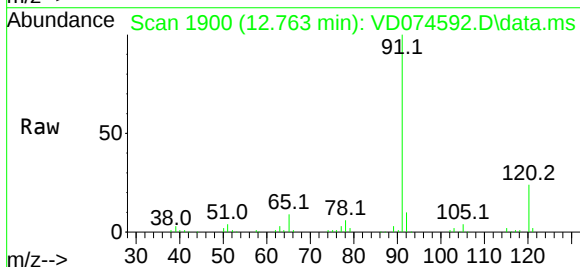
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1020SBSD01

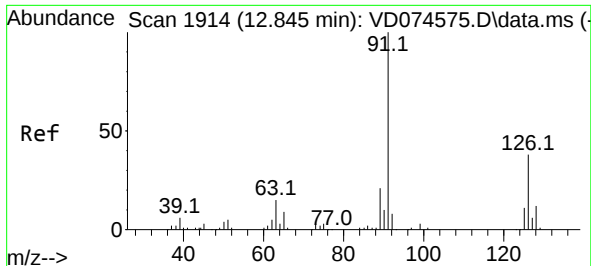
Tgt Ion:156 Resp: 22113  
Ion Ratio Lower Upper  
156 100  
77 150.4 77.7 233.1  
158 94.1 49.4 148.2



#78  
n-propylbenzene  
Concen: 21.028 ug/l  
RT: 12.763 min Scan# 1900  
Delta R.T. 0.006 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

Tgt Ion: 91 Resp: 115021  
Ion Ratio Lower Upper  
91 100  
120 23.7 11.9 35.7





#79

2-Chlorotoluene

Concen: 20.924 ug/l

RT: 12.851 min Scan# 1914

Delta R.T. 0.006 min

Lab File: VD074592.D

Acq: 20 Oct 2022 12:44

Instrument :

MSVOA\_D

ClientSampleId :

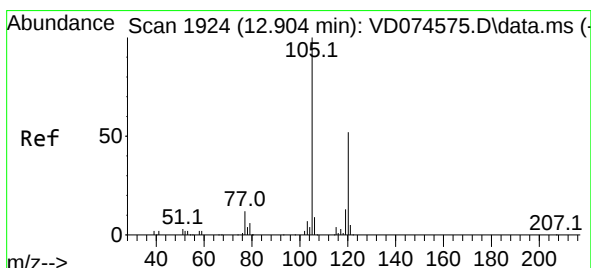
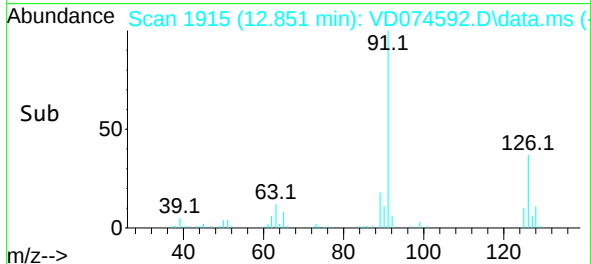
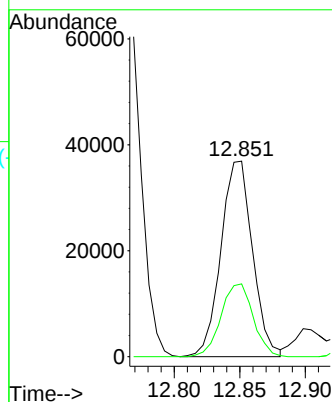
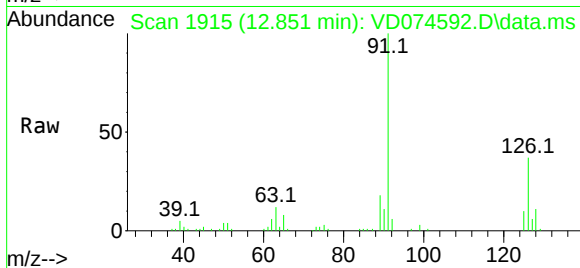
VD1020SBSD01

Tgt Ion: 91 Resp: 62006

Ion Ratio Lower Upper

91 100

126 37.8 18.3 54.8



#80

1,3,5-Trimethylbenzene

Concen: 21.135 ug/l

RT: 12.904 min Scan# 1924

Delta R.T. 0.006 min

Lab File: VD074592.D

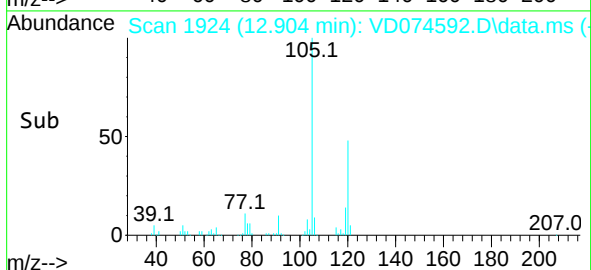
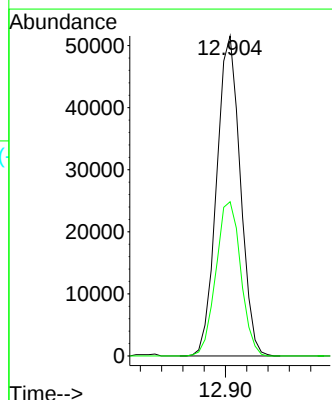
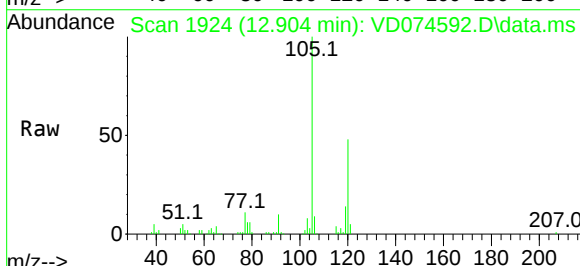
Acq: 20 Oct 2022 12:44

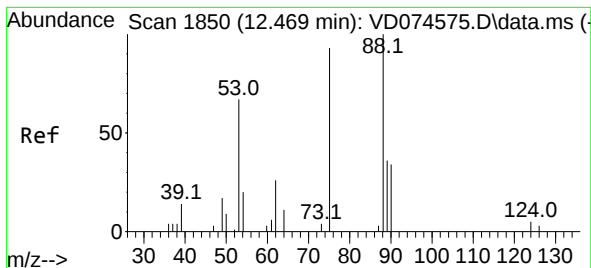
Tgt Ion: 105 Resp: 79409

Ion Ratio Lower Upper

105 100

120 50.6 25.7 77.0

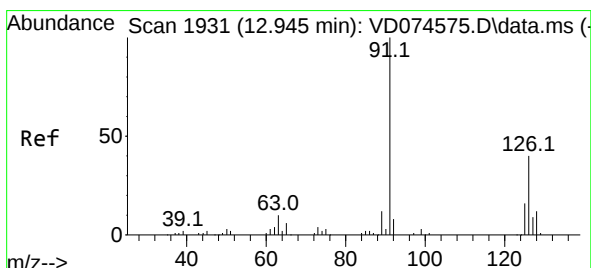
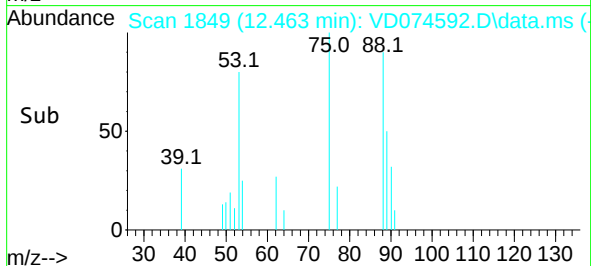
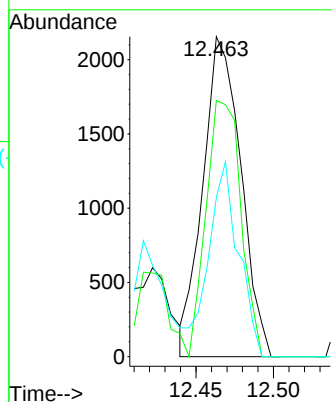
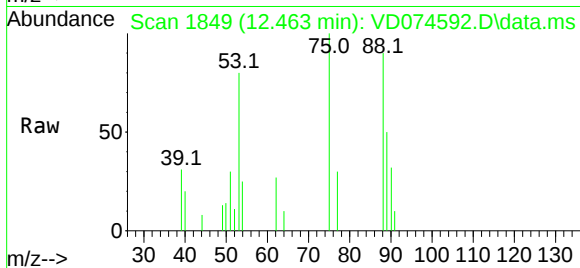




#81  
trans-1,4-Dichloro-2-butene  
Concen: 18.074 ug/l  
RT: 12.463 min Scan# 1849  
Delta R.T. 0.000 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

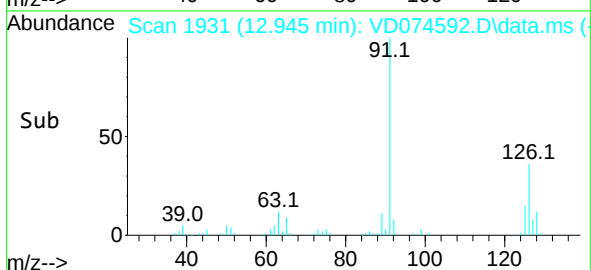
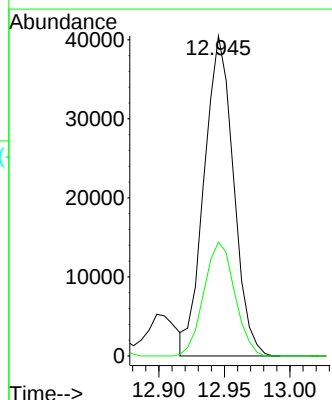
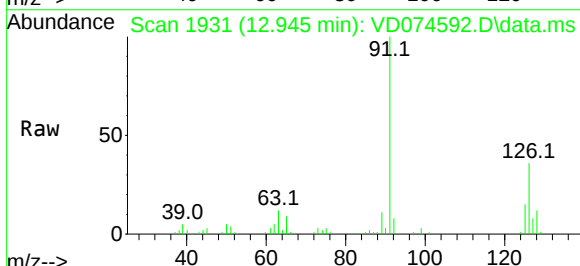
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1020SBSD01

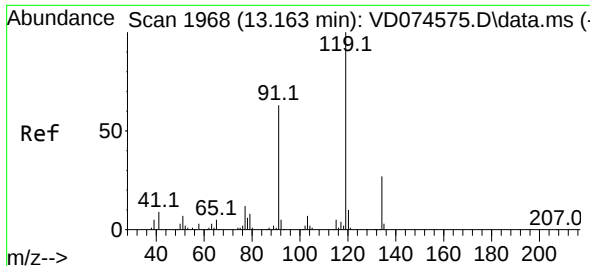
Tgt Ion: 75 Resp: 3665  
Ion Ratio Lower Upper  
75 100  
53 73.3 63.8 95.6  
89 47.1 38.2 57.4



#82  
4-Chlorotoluene  
Concen: 20.684 ug/l  
RT: 12.945 min Scan# 1931  
Delta R.T. 0.005 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

Tgt Ion: 91 Resp: 62972  
Ion Ratio Lower Upper  
91 100  
126 37.4 18.8 56.4

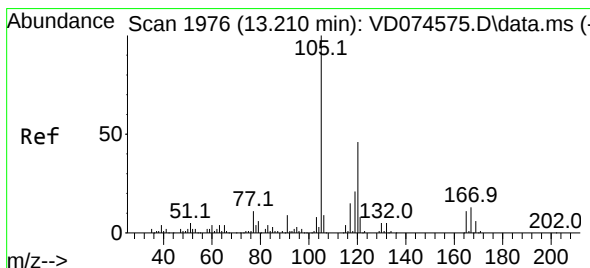
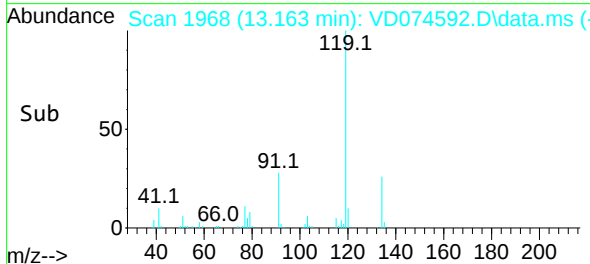
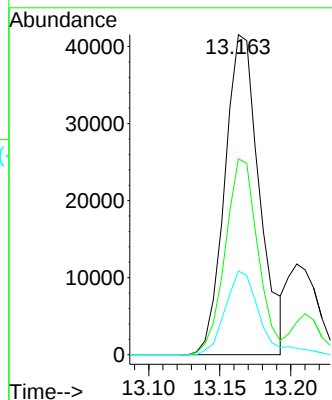
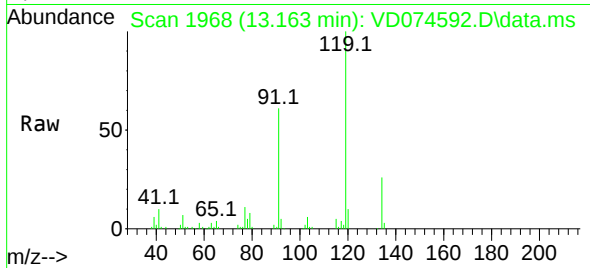




#83  
tert-Butylbenzene  
Concen: 21.018 ug/l  
RT: 13.163 min Scan# 1968  
Delta R.T. 0.000 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

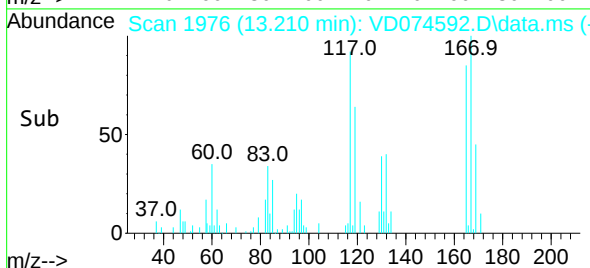
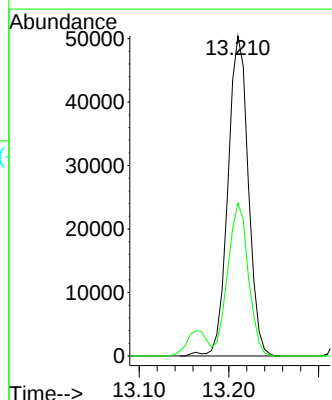
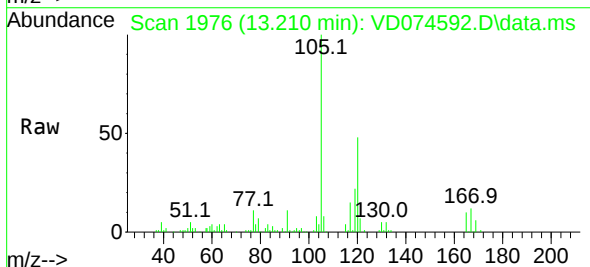
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1020SBSD01

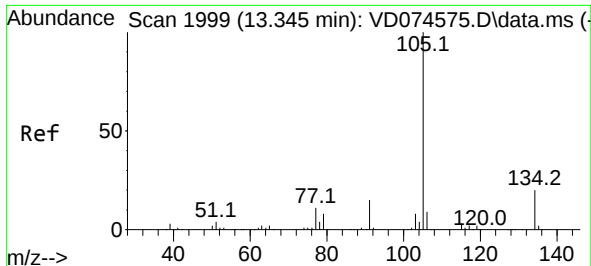
Tgt Ion:119 Resp: 70445  
Ion Ratio Lower Upper  
119 100  
91 57.8 30.0 90.0  
134 26.0 13.4 40.1



#84  
1,2,4-Trimethylbenzene  
Concen: 21.485 ug/l  
RT: 13.210 min Scan# 1976  
Delta R.T. 0.006 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

Tgt Ion:105 Resp: 79436  
Ion Ratio Lower Upper  
105 100  
120 48.2 22.9 68.7

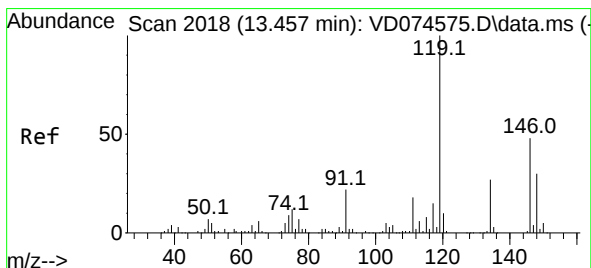
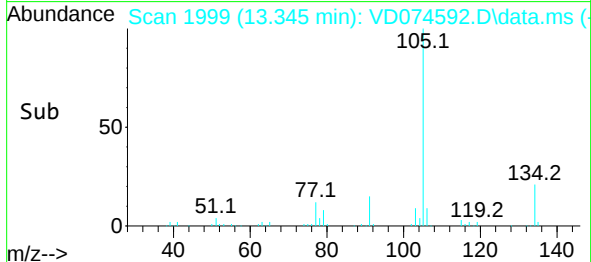
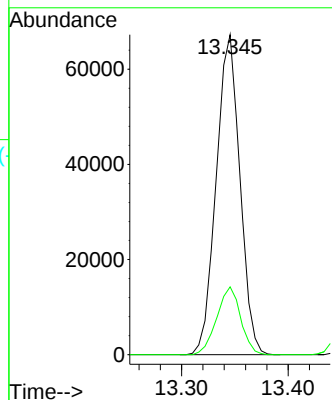
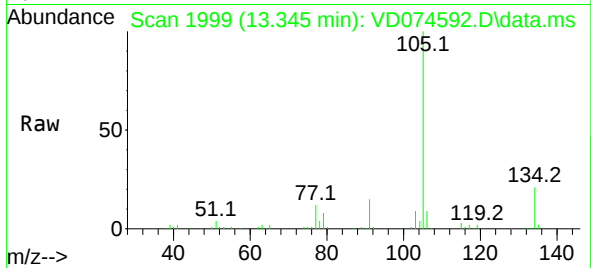




#85  
 sec-Butylbenzene  
 Concen: 20.647 ug/l  
 RT: 13.345 min Scan# 1999  
 Delta R.T. 0.006 min  
 Lab File: VD074592.D  
 Acq: 20 Oct 2022 12:44

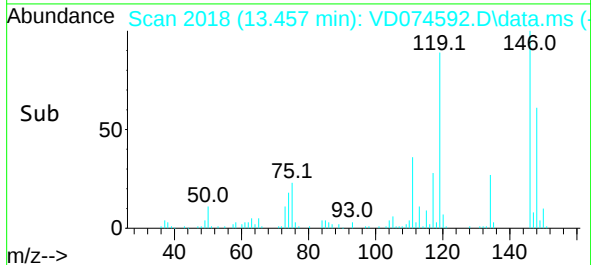
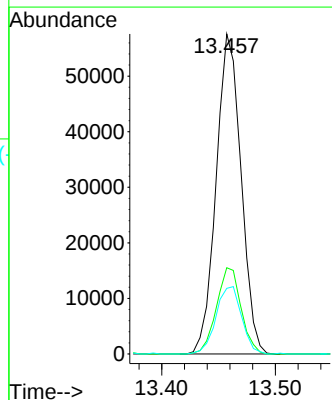
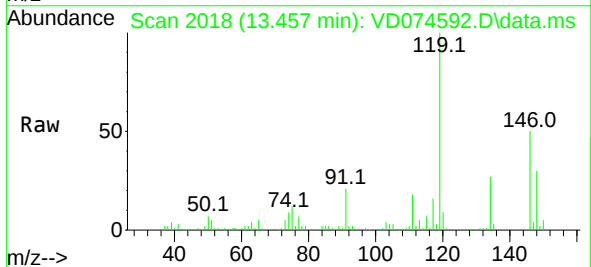
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1020SBSD01

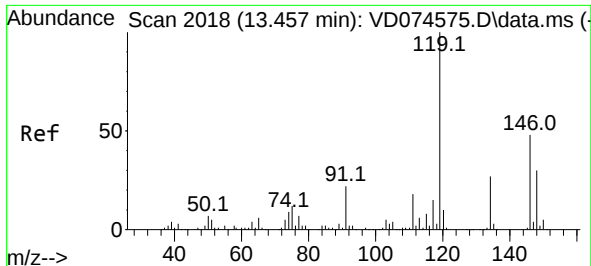
Tgt Ion:105 Resp: 103851  
 Ion Ratio Lower Upper  
 105 100  
 134 21.3 10.0 30.0



#86  
 p-Isopropyltoluene  
 Concen: 20.827 ug/l  
 RT: 13.457 min Scan# 2018  
 Delta R.T. 0.000 min  
 Lab File: VD074592.D  
 Acq: 20 Oct 2022 12:44

Tgt Ion:119 Resp: 87759  
 Ion Ratio Lower Upper  
 119 100  
 134 26.6 13.5 40.4  
 91 21.7 10.8 32.4

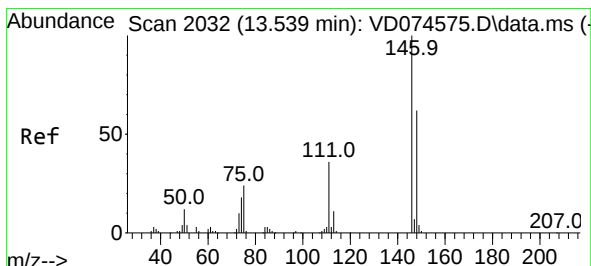
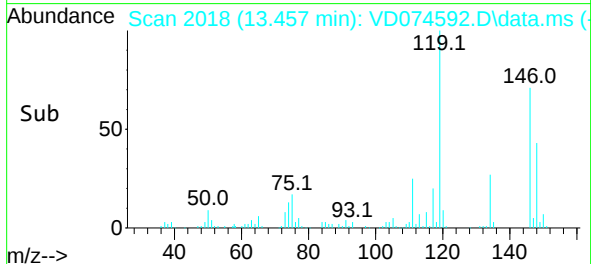
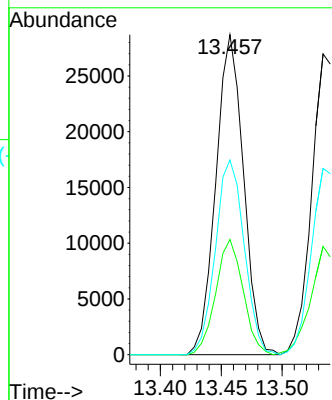
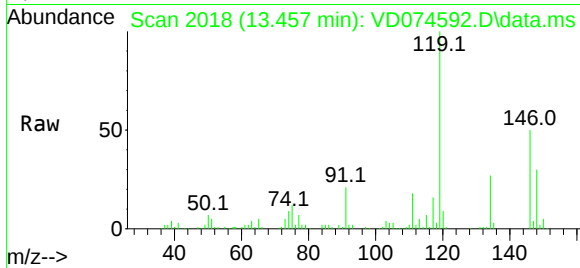




#87  
1,3-Dichlorobenzene  
Concen: 20.896 ug/l  
RT: 13.457 min Scan# 2018  
Delta R.T. 0.006 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

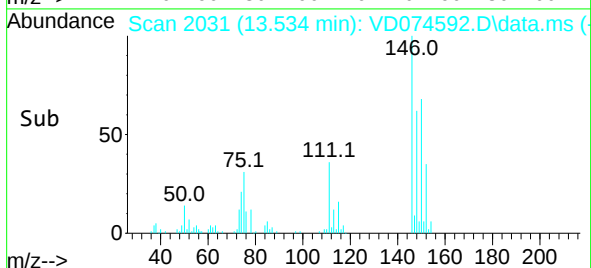
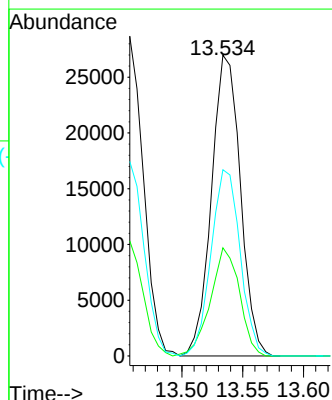
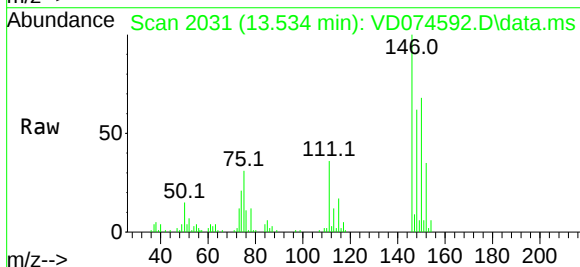
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1020SBSD01

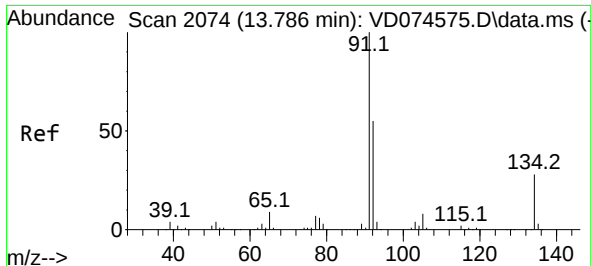
Tgt Ion:146 Resp: 45360  
Ion Ratio Lower Upper  
146 100  
111 35.6 18.3 54.8  
148 63.5 31.8 95.4



#88  
1,4-Dichlorobenzene  
Concen: 21.011 ug/l  
RT: 13.534 min Scan# 2031  
Delta R.T. -0.000 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

Tgt Ion:146 Resp: 44650  
Ion Ratio Lower Upper  
146 100  
111 36.1 17.7 53.1  
148 62.4 32.3 96.9

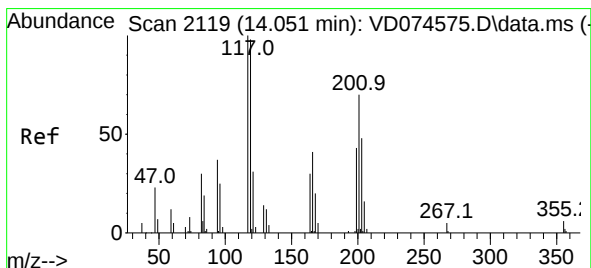
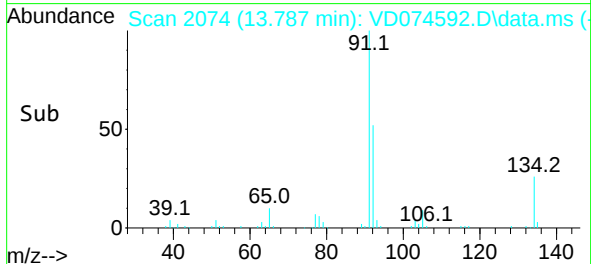
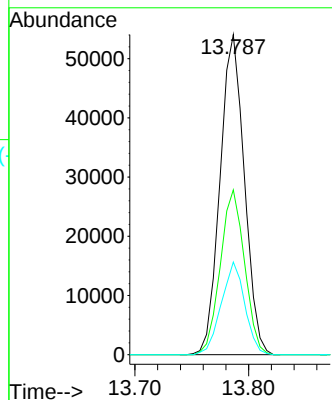
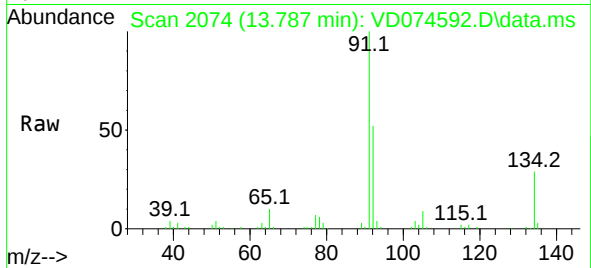




#89  
n-Butylbenzene  
Concen: 20.936 ug/l  
RT: 13.787 min Scan# 2074  
Delta R.T. 0.006 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

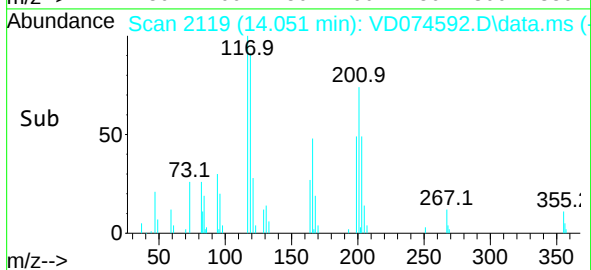
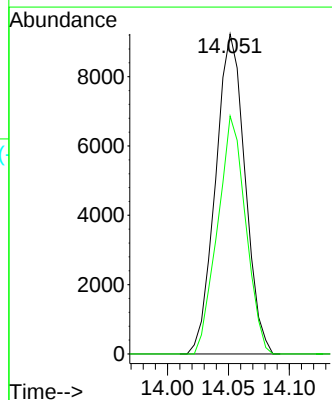
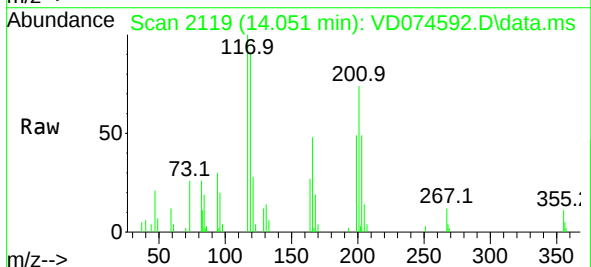
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1020SBSD01

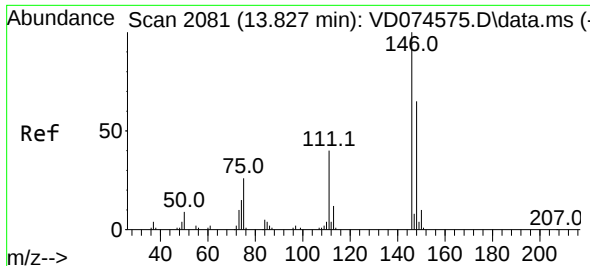
Tgt Ion: 91 Resp: 80373  
Ion Ratio Lower Upper  
91 100  
92 51.3 26.9 80.7  
134 28.0 13.4 40.2



#90  
Hexachloroethane  
Concen: 21.205 ug/l  
RT: 14.051 min Scan# 2119  
Delta R.T. 0.006 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

Tgt Ion: 117 Resp: 15552  
Ion Ratio Lower Upper  
117 100  
201 70.9 38.0 114.0

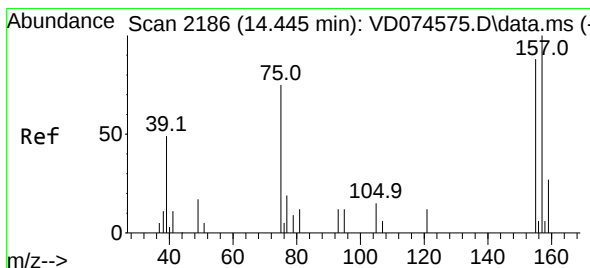
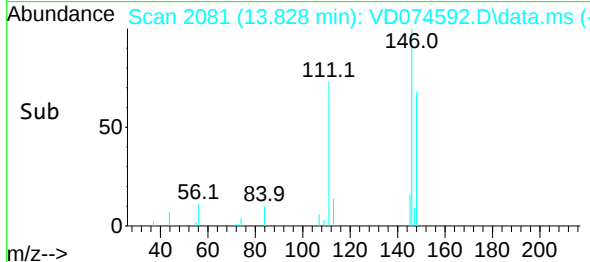
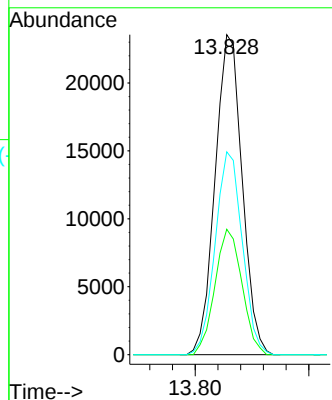
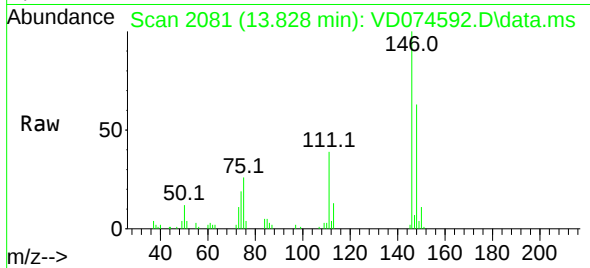




#91  
1,2-Dichlorobenzene  
Concen: 21.541 ug/l  
RT: 13.828 min Scan# 2081  
Delta R.T. -0.000 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

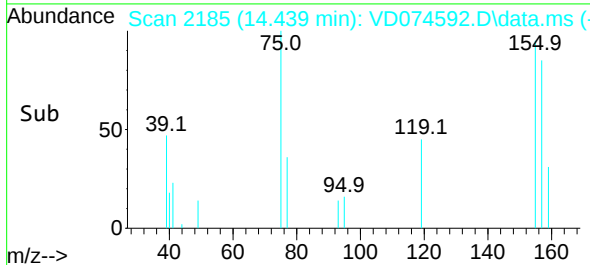
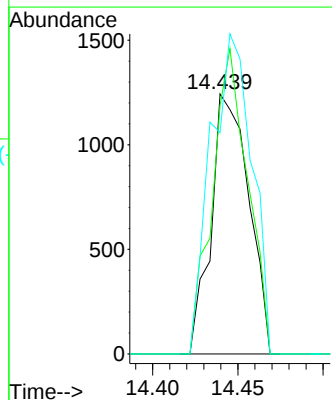
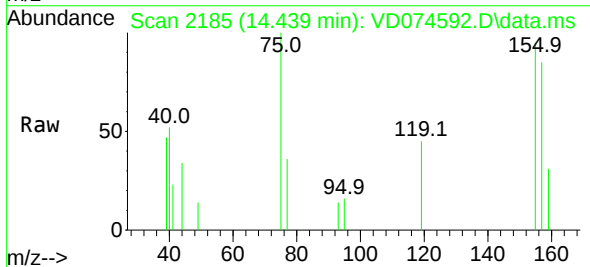
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1020SBSD01

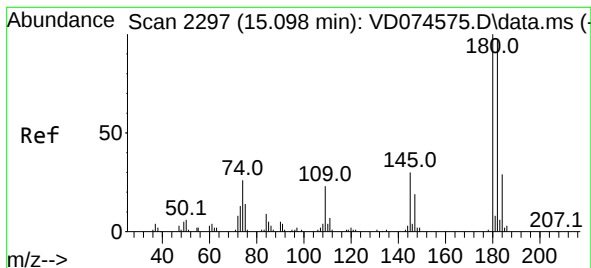
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 39007 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 39.1  | 18.9  | 56.5  |
| 148       | 63.5  | 31.9  | 95.5  |



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 18.888 ug/l  
RT: 14.439 min Scan# 2185  
Delta R.T. 0.000 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 1914  |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 110.1 | 51.2  | 153.8 |
| 157       | 134.0 | 68.2  | 204.5 |





#93

1,2,4-Trichlorobenzene

Concen: 20.049 ug/l

RT: 15.098 min Scan# 21

Delta R.T. 0.006 min

Lab File: VD074592.D

Acq: 20 Oct 2022 12:44

Instrument :

MSVOA\_D

ClientSampleId :

VD1020SBS01

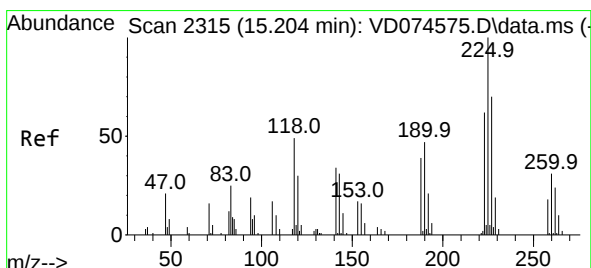
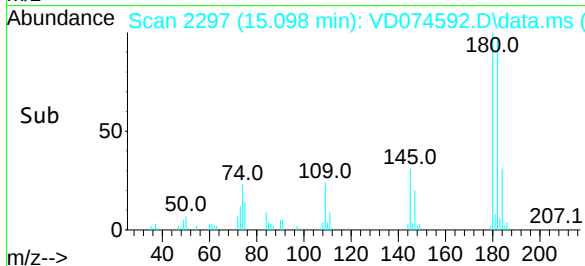
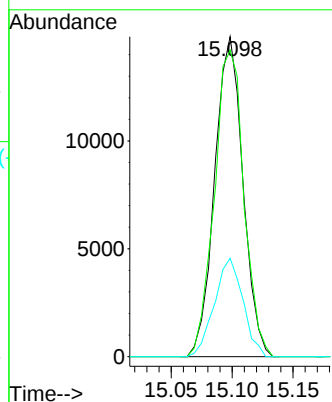
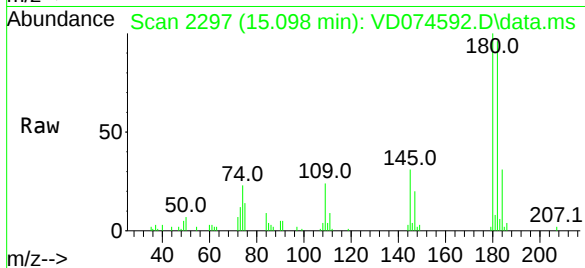
Tgt Ion:180 Resp: 23949

Ion Ratio Lower Upper

180 100

182 100.1 46.9 140.6

145 31.0 14.1 42.3



#94

Hexachlorobutadiene

Concen: 20.252 ug/l

RT: 15.198 min Scan# 2314

Delta R.T. 0.000 min

Lab File: VD074592.D

Acq: 20 Oct 2022 12:44

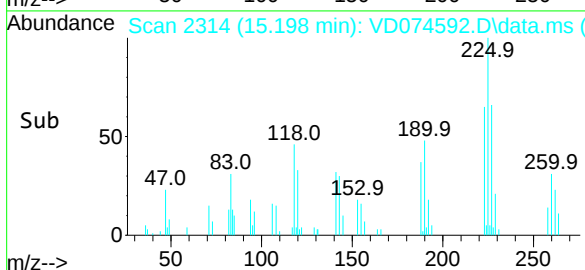
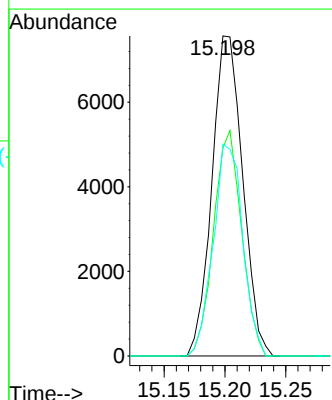
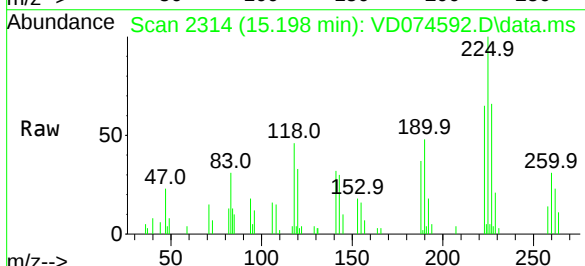
Tgt Ion:225 Resp: 13309

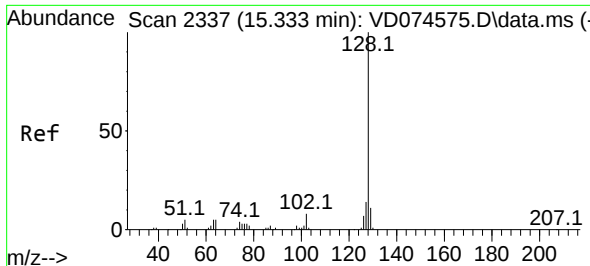
Ion Ratio Lower Upper

225 100

223 64.2 31.9 95.5

227 63.5 32.6 97.8

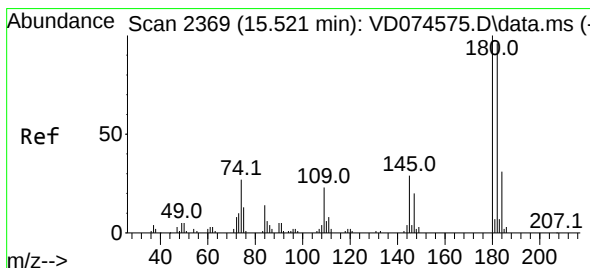
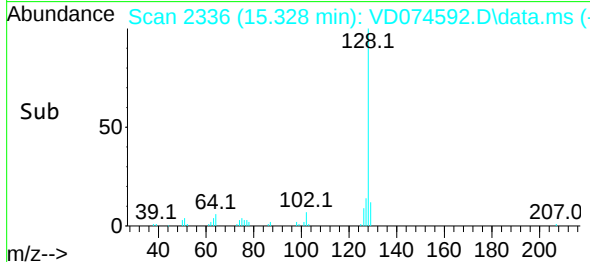
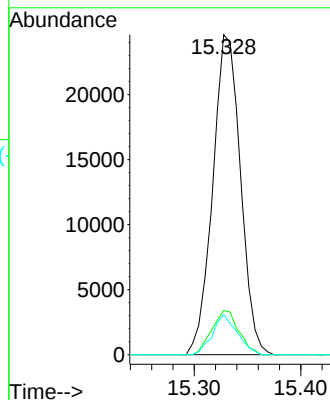
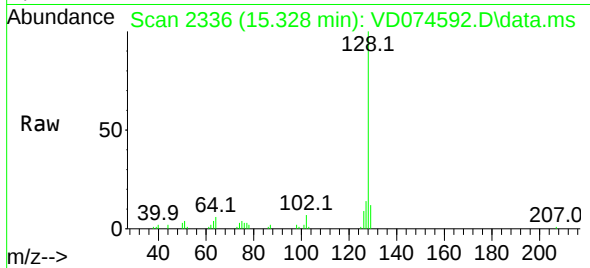




#95  
Naphthalene  
Concen: 19.787 ug/l  
RT: 15.328 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1020SBSD01

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:128 | Resp: | 44495     |
| Ion Ratio   | Lower | Upper     |
| 128         | 100   |           |
| 127         | 13.4  | 10.6 16.0 |
| 129         | 11.2  | 8.3 12.5  |



#96  
1,2,3-Trichlorobenzene  
Concen: 21.236 ug/l  
RT: 15.516 min Scan# 2368  
Delta R.T. -0.000 min  
Lab File: VD074592.D  
Acq: 20 Oct 2022 12:44

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 21745      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 92.7  | 46.7 140.1 |
| 145         | 28.4  | 14.9 44.7  |

