

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD041123\  
 Data File : VD075631.D  
 Acq On : 11 Apr 2023 20:37  
 Operator : KP/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Apr 12 03:00:09 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D041023S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 11 18:54:55 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.875  | 168  | 188350   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.775  | 114  | 328761   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 317232   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.522 | 152  | 167427   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 86044    | 55.687   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 111.380% |      |
| 35) Dibromofluoromethane    | 7.805  | 113   | 106130   | 55.083   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 110.160% |      |
| 50) Toluene-d8              | 10.269 | 98    | 408677   | 54.077   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 108.160% |      |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 125632   | 53.653   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 107.300% |      |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.934 | 85  | 59888  | 45.006  | ug/l   | 97  |
| 3) Chloromethane             | 2.146 | 50  | 115671 | 55.464  | ug/l   | 98  |
| 4) Vinyl Chloride            | 2.281 | 62  | 155823 | 48.101  | ug/l   | 97  |
| 5) Bromomethane              | 2.687 | 94  | 115571 | 44.801  | ug/l   | 96  |
| 6) Chloroethane              | 2.834 | 64  | 114060 | 50.193  | ug/l   | 99  |
| 7) Trichlorofluoromethane    | 3.169 | 101 | 133181 | 48.194  | ug/l   | 96  |
| 8) Diethyl Ether             | 3.593 | 74  | 44819  | 52.511  | ug/l   | 64  |
| 9) 1,1,2-Trichlorotrifluo... | 3.964 | 101 | 89650  | 49.286  | ug/l   | 94  |
| 10) Methyl Iodide            | 4.158 | 142 | 107735 | 49.535  | ug/l   | 93  |
| 11) Tert butyl alcohol       | 5.058 | 59  | 19212  | 263.003 | ug/l # | 100 |
| 12) 1,1-Dichloroethene       | 3.940 | 96  | 84505  | 48.401  | ug/l # | 81  |
| 13) Acrolein                 | 3.799 | 56  | 25995  | 254.404 | ug/l   | 100 |
| 14) Allyl chloride           | 4.563 | 41  | 78765  | 49.987  | ug/l # | 80  |
| 15) Acrylonitrile            | 5.252 | 53  | 90355  | 276.251 | ug/l   | 98  |
| 16) Acetone                  | 4.016 | 43  | 77040  | 273.638 | ug/l # | 88  |
| 17) Carbon Disulfide         | 4.263 | 76  | 207514 | 45.921  | ug/l   | 96  |
| 18) Methyl Acetate           | 4.558 | 43  | 46548  | 54.782  | ug/l # | 69  |
| 19) Methyl tert-butyl Ether  | 5.311 | 73  | 199129 | 53.964  | ug/l   | 96  |
| 20) Methylene Chloride       | 4.805 | 84  | 127314 | 54.318  | ug/l # | 71  |
| 21) trans-1,2-Dichloroethene | 5.311 | 96  | 102395 | 49.685  | ug/l # | 72  |
| 22) Diisopropyl ether        | 6.216 | 45  | 216078 | 55.902  | ug/l # | 86  |
| 23) Vinyl Acetate            | 6.152 | 43  | 520401 | 286.855 | ug/l # | 84  |
| 24) 1,1-Dichloroethane       | 6.110 | 63  | 167410 | 52.447  | ug/l   | 96  |
| 25) 2-Butanone               | 7.081 | 43  | 101396 | 277.513 | ug/l # | 74  |
| 26) 2,2-Dichloropropane      | 7.075 | 77  | 144622 | 49.390  | ug/l   | 92  |
| 27) cis-1,2-Dichloroethene   | 7.075 | 96  | 125123 | 51.565  | ug/l   | 80  |
| 28) Bromochloromethane       | 7.428 | 49  | 59875  | 54.900  | ug/l # | 49  |
| 29) Tetrahydrofuran          | 7.446 | 42  | 56044  | 289.654 | ug/l # | 54  |
| 30) Chloroform               | 7.593 | 83  | 194871 | 53.665  | ug/l   | 96  |
| 31) Cyclohexane              | 7.875 | 56  | 104244 | 46.373  | ug/l # | 69  |
| 32) 1,1,1-Trichloroethane    | 7.793 | 97  | 154436 | 51.105  | ug/l   | 95  |
| 36) 1,1-Dichloropropene      | 8.010 | 75  | 126210 | 51.291  | ug/l   | 93  |
| 37) Ethyl Acetate            | 7.163 | 43  | 42807  | 57.862  | ug/l # | 76  |
| 38) Carbon Tetrachloride     | 7.987 | 117 | 121913 | 51.664  | ug/l   | 97  |
| 39) Methylcyclohexane        | 9.275 | 83  | 143442 | 48.955  | ug/l   | 90  |
| 40) Benzene                  | 8.252 | 78  | 427353 | 53.898  | ug/l   | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD041123\  
 Data File : VD075631.D  
 Acq On : 11 Apr 2023 20:37  
 Operator : KP/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Apr 12 03:00:09 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D041023S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 11 18:54:55 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.399  | 41   | 22918    | 56.567   | ug/l # | 65       |
| 42) 1,2-Dichloroethane        | 8.322  | 62   | 102149   | 55.447   | ug/l   | 89       |
| 43) Isopropyl Acetate         | 8.363  | 43   | 80505    | 57.004   | ug/l # | 78       |
| 44) Trichloroethene           | 9.028  | 130  | 113924   | 49.053   | ug/l   | 91       |
| 45) 1,2-Dichloropropane       | 9.304  | 63   | 99386    | 53.732   | ug/l   | 96       |
| 46) Dibromomethane            | 9.393  | 93   | 63285    | 55.106   | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.587  | 83   | 148780   | 53.571   | ug/l   | 95       |
| 48) Methyl methacrylate       | 9.381  | 41   | 33209    | 51.888   | ug/l # | 54       |
| 49) 1,4-Dioxane               | 9.387  | 88   | 12145    | 1166.618 | ug/l # | 76       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 221134   | 290.869  | ug/l # | 79       |
| 52) Toluene                   | 10.334 | 92   | 274938   | 51.341   | ug/l   | 94       |
| 53) t-1,3-Dichloropropene     | 10.557 | 75   | 136134   | 54.078   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 162174   | 52.984   | ug/l # | 76       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 94728    | 55.934   | ug/l   | 90       |
| 56) Ethyl methacrylate        | 10.598 | 69   | 92808    | 56.855   | ug/l # | 66       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 138624   | 54.362   | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 232998   | 295.221  | ug/l # | 88       |
| 59) 2-Hexanone                | 10.922 | 43   | 153552   | 286.696  | ug/l   | 71       |
| 60) Dibromochloromethane      | 11.075 | 129  | 107395   | 53.112   | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 84730    | 52.347   | ug/l   | 96       |
| 64) Tetrachloroethene         | 10.810 | 164  | 97091    | 50.885   | ug/l   | 94       |
| 65) Chlorobenzene             | 11.610 | 112  | 314494   | 51.072   | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 111232   | 51.080   | ug/l   | 93       |
| 67) Ethyl Benzene             | 11.687 | 91   | 525702   | 51.743   | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.793 | 106  | 439368   | 104.994  | ug/l   | 90       |
| 69) o-Xylene                  | 12.122 | 106  | 202091   | 49.666   | ug/l   | 93       |
| 70) Styrene                   | 12.134 | 104  | 368218   | 52.972   | ug/l   | 93       |
| 71) Bromoform                 | 12.298 | 173  | 62285    | 55.338   | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.422 | 105  | 507999   | 48.895   | ug/l   | 98       |
| 74) N-amyl acetate            | 12.234 | 43   | 76491    | 52.493   | ug/l # | 71       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 102841   | 52.919   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.722 | 75   | 112757   | 86.054   | ug/l # | 100      |
| 77) Bromobenzene              | 12.704 | 156  | 128453   | 48.982   | ug/l   | 89       |
| 78) n-propylbenzene           | 12.763 | 91   | 626672   | 50.166   | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 342721   | 49.605   | ug/l   | 92       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 434744   | 51.092   | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 30346    | 53.079   | ug/l # | 70       |
| 82) 4-Chlorotoluene           | 12.951 | 91   | 362986   | 50.647   | ug/l   | 93       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 362597   | 49.079   | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 440704   | 51.288   | ug/l   | 95       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 568316   | 50.337   | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.463 | 119  | 478011   | 50.366   | ug/l   | 94       |
| 87) 1,3-Dichlorobenzene       | 13.463 | 146  | 272693   | 49.796   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.539 | 146  | 264679   | 48.870   | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.792 | 91   | 428678   | 49.679   | ug/l   | 99       |
| 90) Hexachloroethane          | 14.057 | 117  | 87660    | 48.829   | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 13.834 | 146  | 233086   | 49.378   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.451 | 75   | 13197    | 54.287   | ug/l   | 81       |
| 93) 1,2,4-Trichlorobenzene    | 15.104 | 180  | 125177   | 49.999   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 56754    | 47.857   | ug/l   | 97       |
| 95) Naphthalene               | 15.334 | 128  | 246801   | 51.917   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 112621   | 50.771   | ug/l   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD041123\  
Data File : VD075631.D  
Acq On : 11 Apr 2023 20:37  
Operator : KP/SY  
Sample : VSTDCCC050  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 15 Sample Multiplier: 1

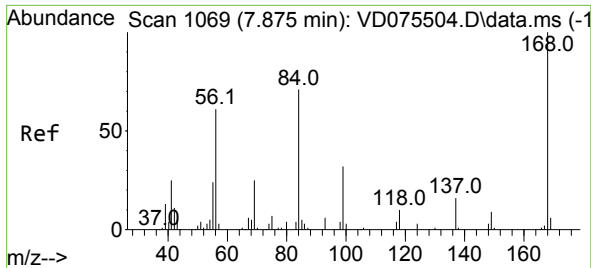
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Quant Time: Apr 12 03:00:09 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D041023S.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 11 18:54:55 2023  
Response via : Initial Calibration

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

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

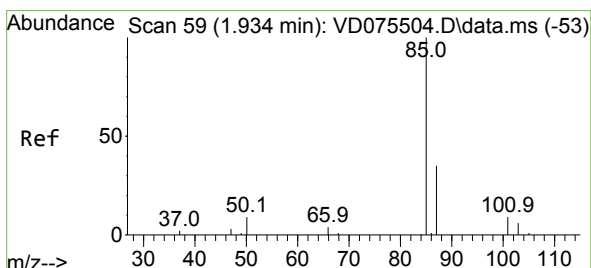
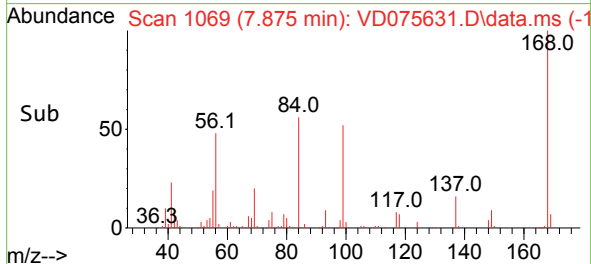
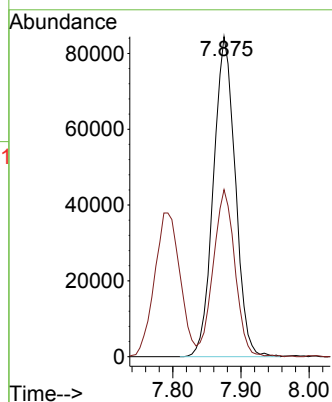
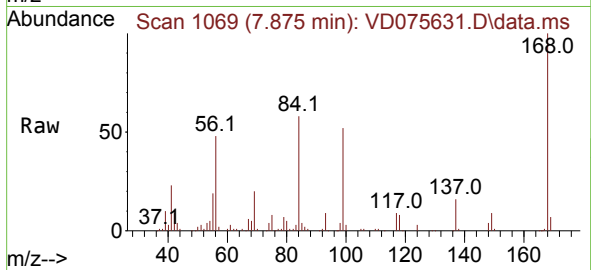




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

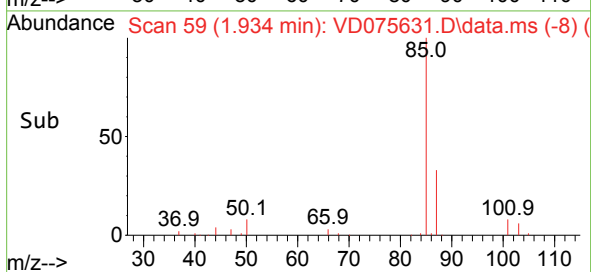
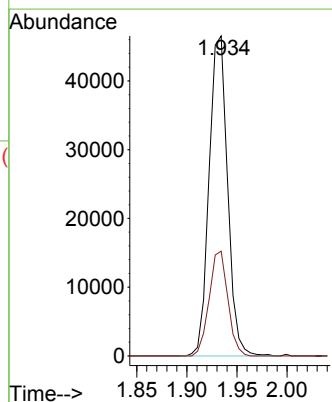
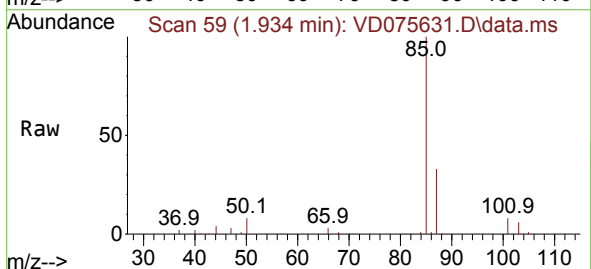
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

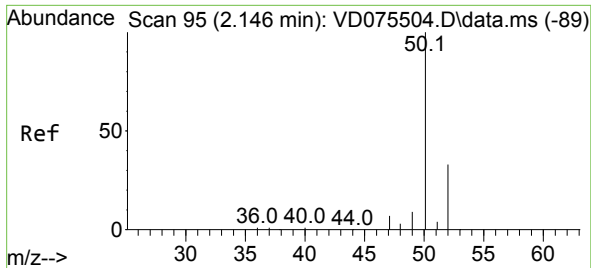
Tgt Ion:168 Resp: 188350  
Ion Ratio Lower Upper  
168 100  
99 51.8 43.8 65.6



#2  
Dichlorodifluoromethane  
Concen: 45.006 ug/l  
RT: 1.934 min Scan# 59  
Delta R.T. 0.000 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

Tgt Ion: 85 Resp: 59888  
Ion Ratio Lower Upper  
85 100  
87 32.7 17.3 51.7

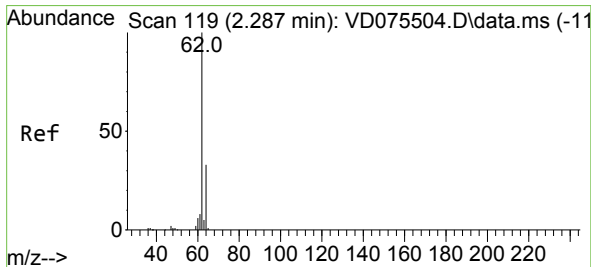
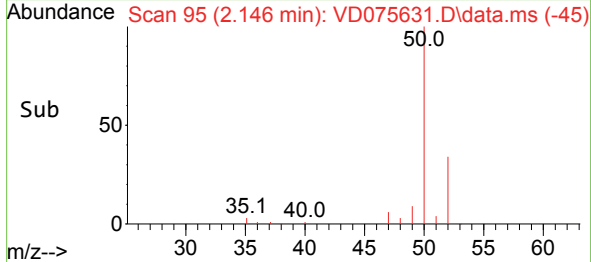
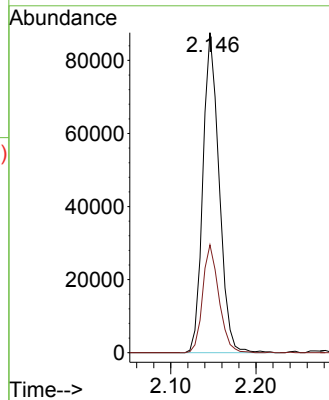
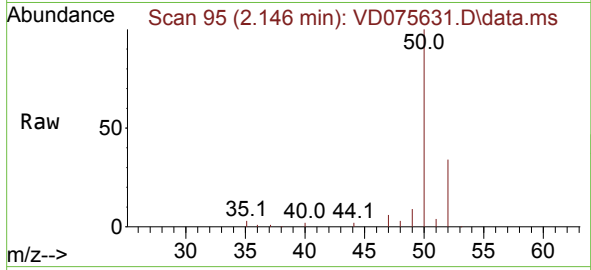




#3  
Chloromethane  
Concen: 55.464 ug/l  
RT: 2.146 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

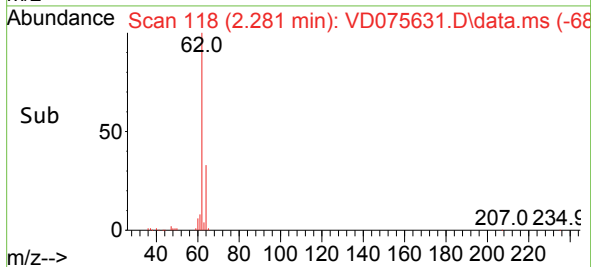
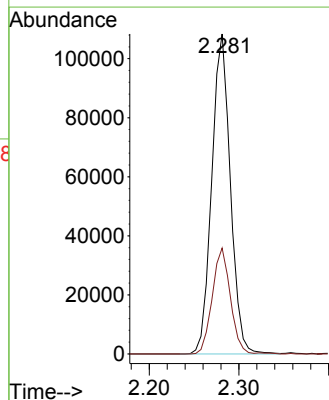
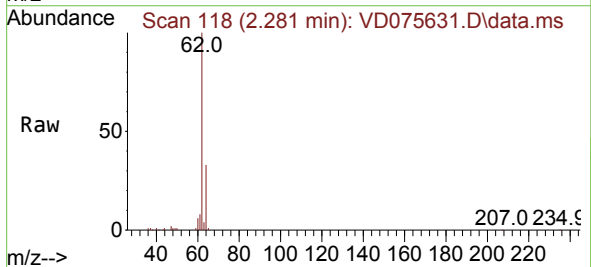
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

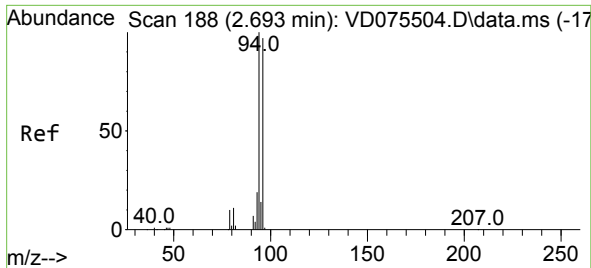
Tgt Ion: 50 Resp: 115671  
Ion Ratio Lower Upper  
50 100  
52 33.7 27.8 41.8



#4  
Vinyl Chloride  
Concen: 48.101 ug/l  
RT: 2.281 min Scan# 118  
Delta R.T. -0.006 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

Tgt Ion: 62 Resp: 155823  
Ion Ratio Lower Upper  
62 100  
64 33.1 25.4 38.0

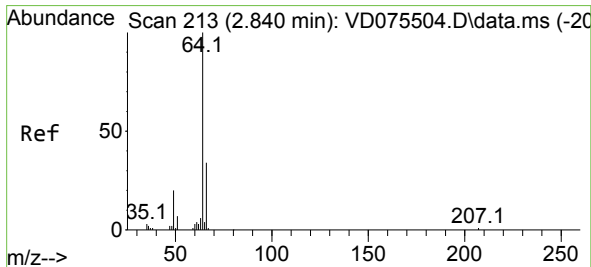
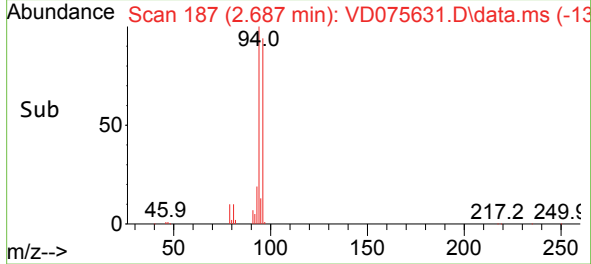
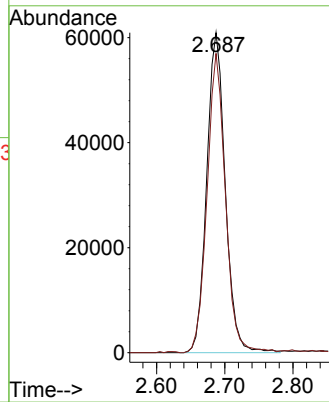
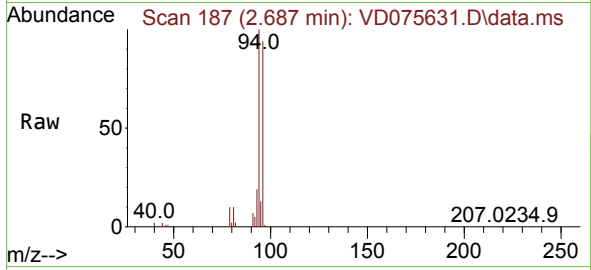




#5  
Bromomethane  
Concen: 44.801 ug/l  
RT: 2.687 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

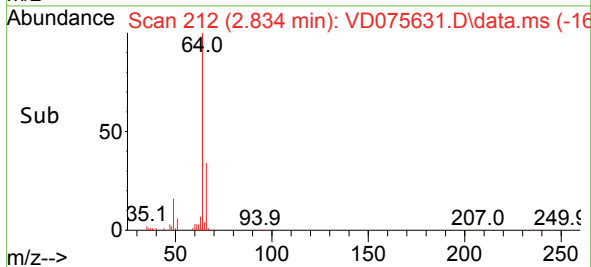
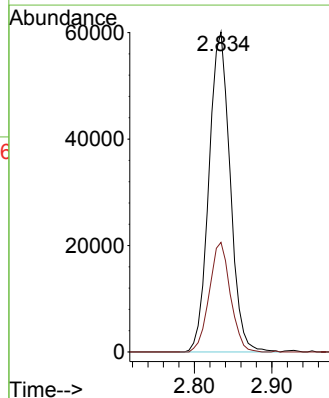
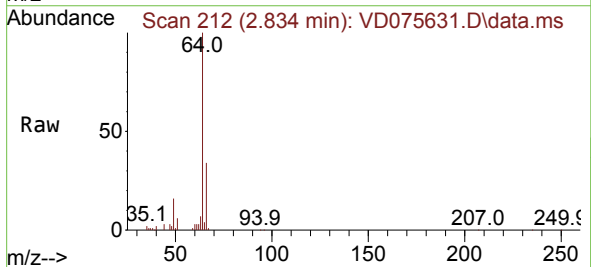
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

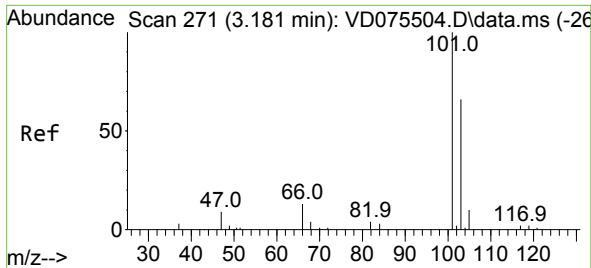
Tgt Ion: 94 Resp: 115571  
Ion Ratio Lower Upper  
94 100  
96 92.8 77.5 116.3



#6  
Chloroethane  
Concen: 50.193 ug/l  
RT: 2.834 min Scan# 212  
Delta R.T. -0.006 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

Tgt Ion: 64 Resp: 114060  
Ion Ratio Lower Upper  
64 100  
66 34.3 27.7 41.5

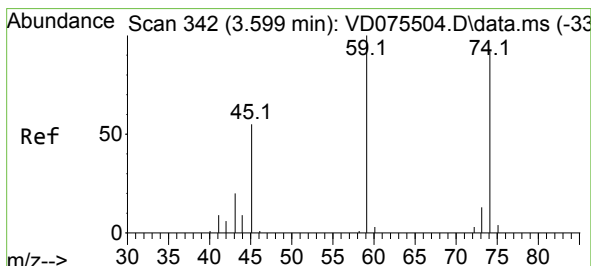
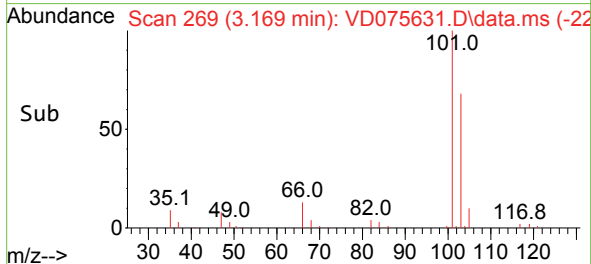
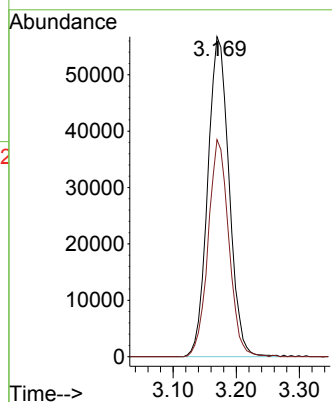
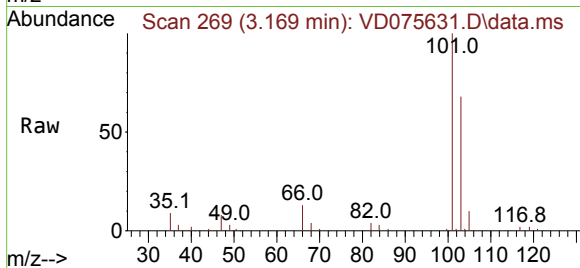




#7  
 Trichlorofluoromethane  
 Concen: 48.194 ug/l  
 RT: 3.169 min Scan# 2  
 Delta R.T. -0.012 min  
 Lab File: VD075631.D  
 Acq: 11 Apr 2023 20:37

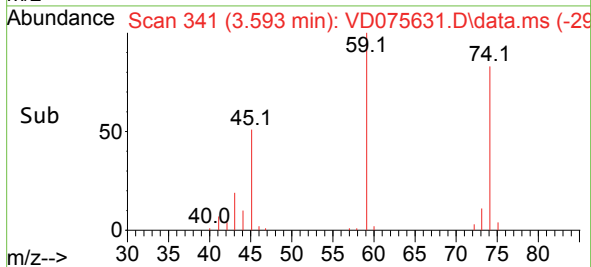
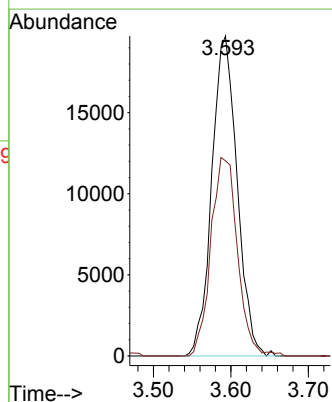
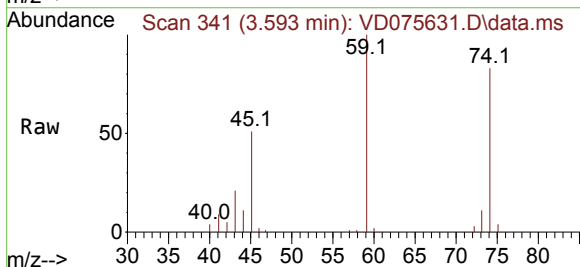
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

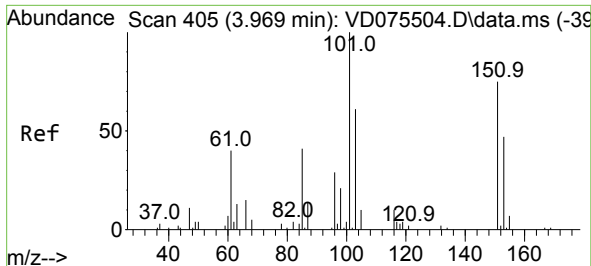
Tgt Ion:101 Resp: 133181  
 Ion Ratio Lower Upper  
 101 100  
 103 67.8 51.9 77.9



#8  
 Diethyl Ether  
 Concen: 52.511 ug/l  
 RT: 3.593 min Scan# 341  
 Delta R.T. -0.000 min  
 Lab File: VD075631.D  
 Acq: 11 Apr 2023 20:37

Tgt Ion: 74 Resp: 44819  
 Ion Ratio Lower Upper  
 74 100  
 45 65.1 50.9 152.7

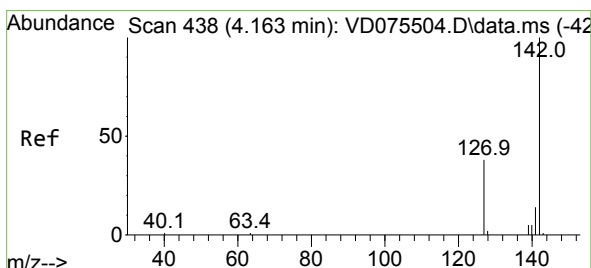
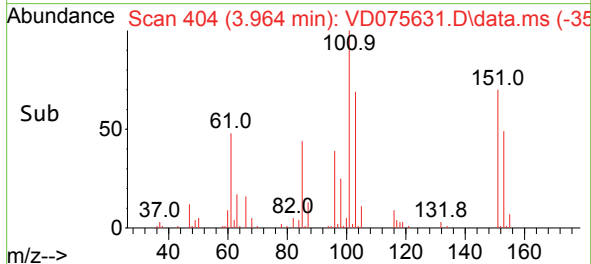
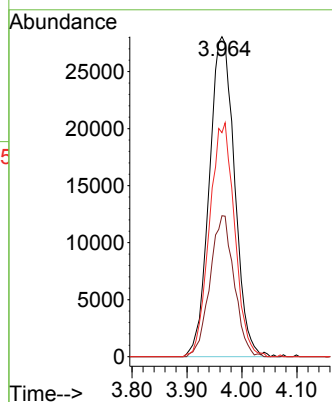
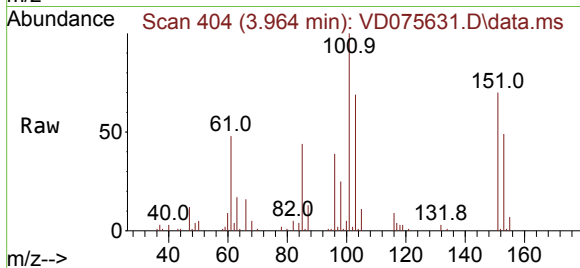




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 49.286 ug/l  
RT: 3.964 min Scan# 405  
Delta R.T. -0.006 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

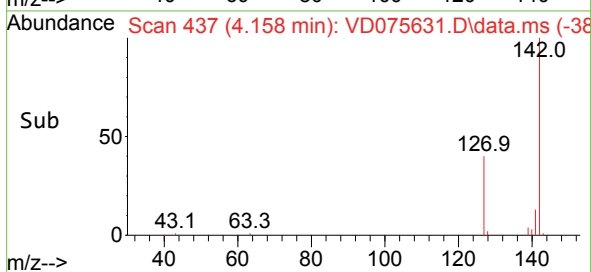
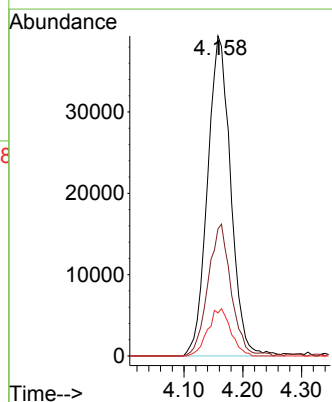
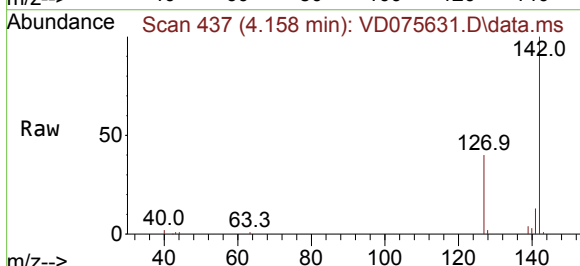
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

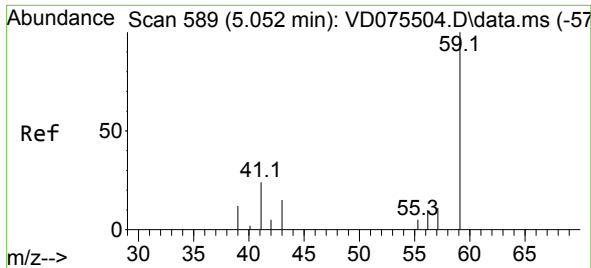
Tgt Ion:101 Resp: 89650  
Ion Ratio Lower Upper  
101 100  
85 42.0 38.3 57.5  
151 72.4 60.4 90.6



#10  
Methyl Iodide  
Concen: 49.535 ug/l  
RT: 4.158 min Scan# 437  
Delta R.T. -0.006 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

Tgt Ion:142 Resp: 107735  
Ion Ratio Lower Upper  
142 100  
127 40.7 37.1 55.7  
141 14.6 11.3 16.9

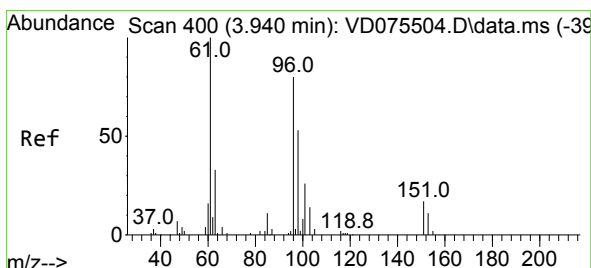
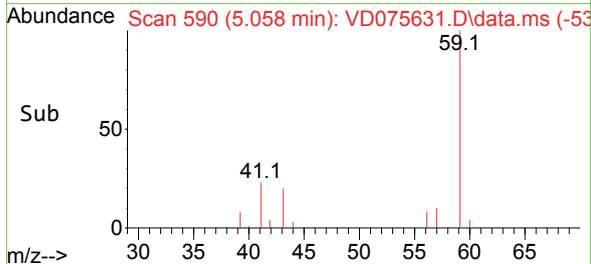
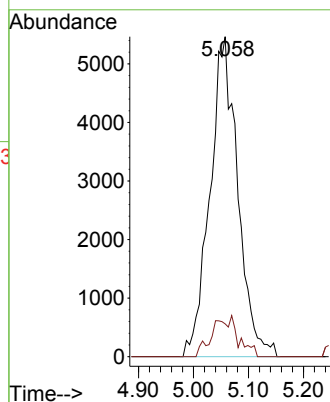
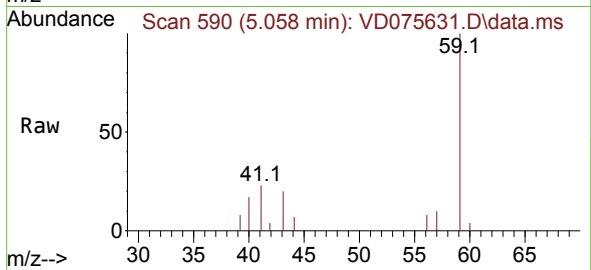




#11  
Tert butyl alcohol  
Concen: 263.003 ug/l  
RT: 5.058 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

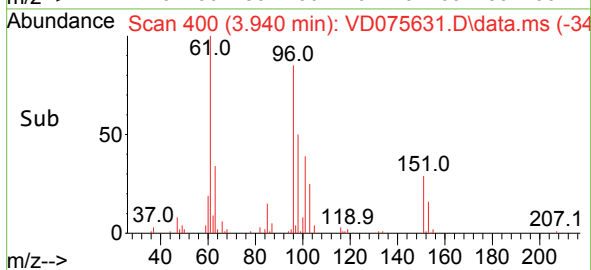
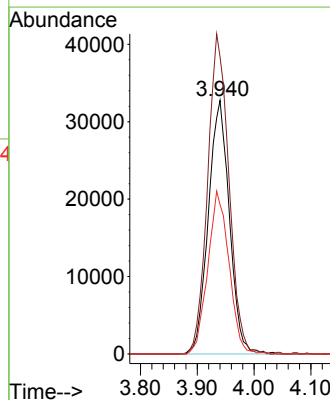
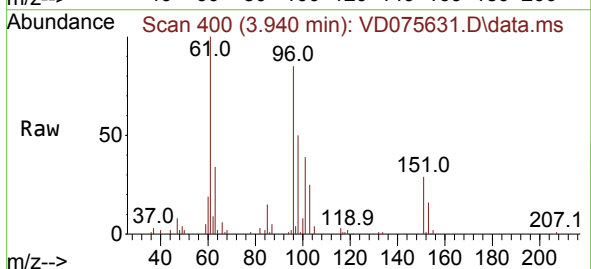
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

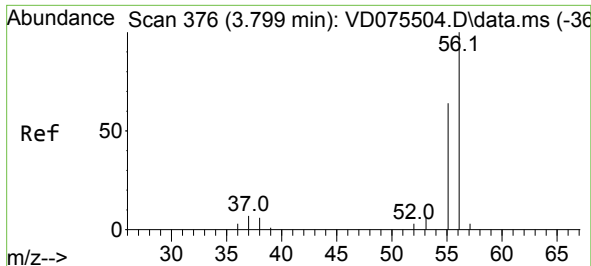
Tgt Ion: 59 Resp: 19212  
Ion Ratio Lower Upper  
59 100  
57 11.8 0.0 0.0#



#12  
1,1-Dichloroethene  
Concen: 48.401 ug/l  
RT: 3.940 min Scan# 400  
Delta R.T. -0.000 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

Tgt Ion: 96 Resp: 84505  
Ion Ratio Lower Upper  
96 100  
61 117.2 118.6 177.8#  
98 58.9 49.7 74.5





#13

Acrolein

Concen: 254.404 ug/l

RT: 3.799 min Scan# 31

Delta R.T. 0.006 min

Lab File: VD075631.D

Acq: 11 Apr 2023 20:37

Instrument :

MSVOA\_D

ClientSampleId :

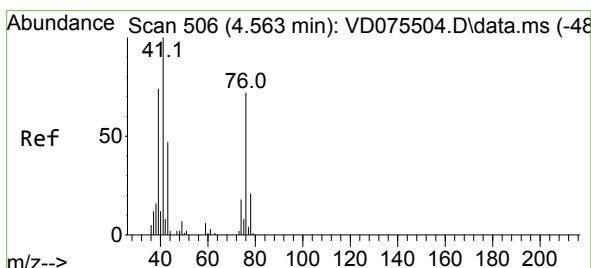
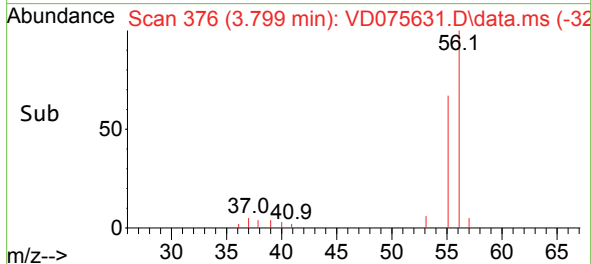
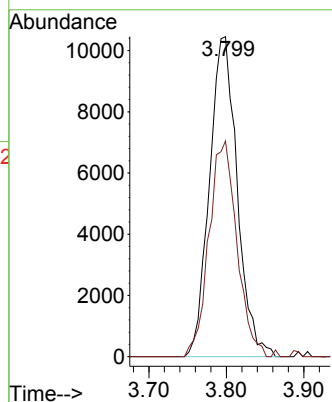
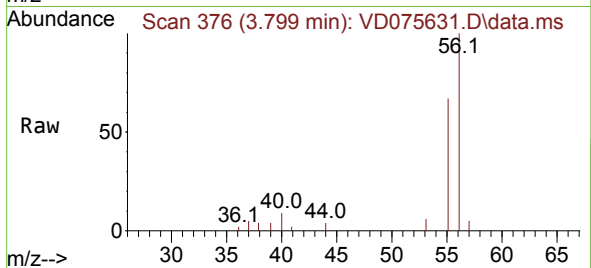
VSTDCCC050EC

Tgt Ion: 56 Resp: 25995

Ion Ratio Lower Upper

56 100

55 67.8 53.9 80.9



#14

Allyl chloride

Concen: 49.987 ug/l

RT: 4.563 min Scan# 506

Delta R.T. -0.001 min

Lab File: VD075631.D

Acq: 11 Apr 2023 20:37

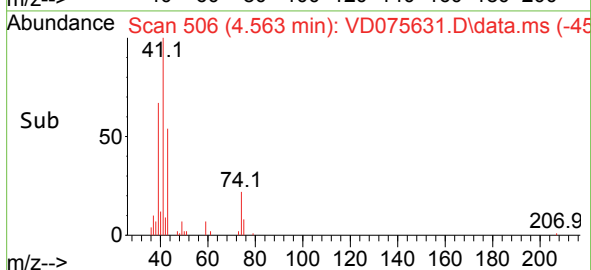
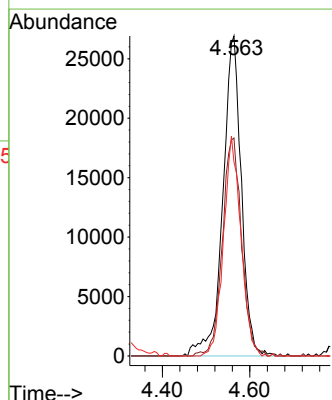
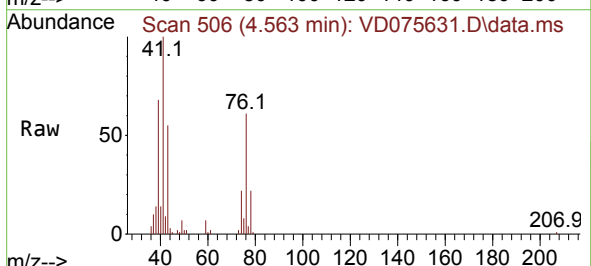
Tgt Ion: 41 Resp: 78765

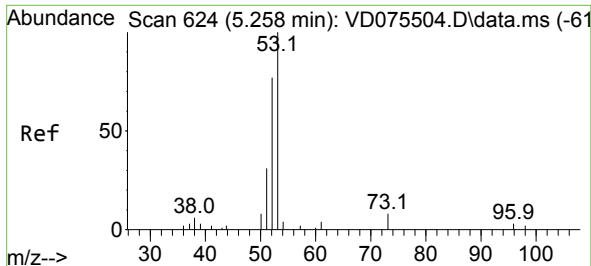
Ion Ratio Lower Upper

41 100

39 70.6 60.6 90.8

76 64.8 28.6 43.0#

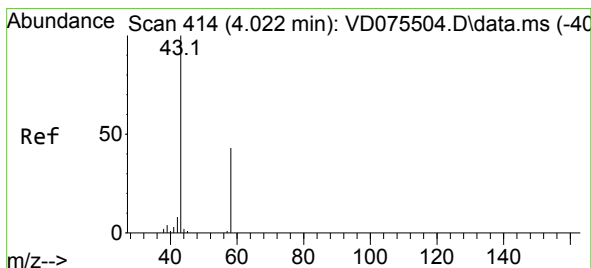
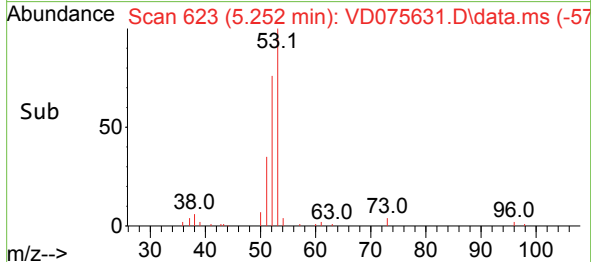
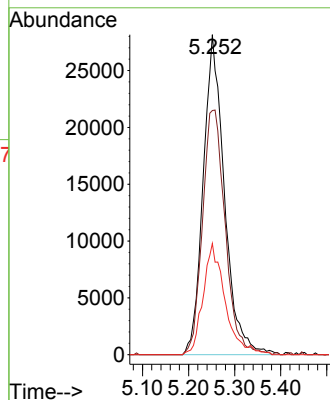
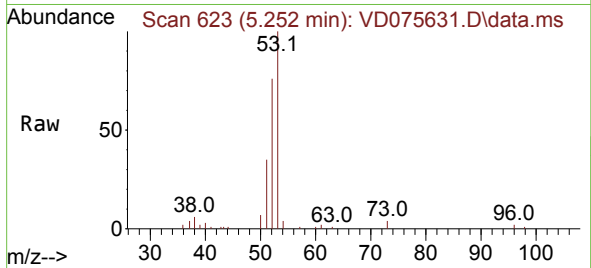




#15  
Acrylonitrile  
Concen: 276.251 ug/l  
RT: 5.252 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

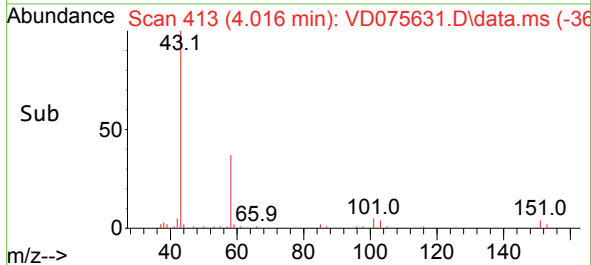
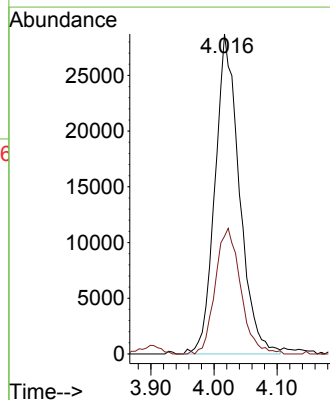
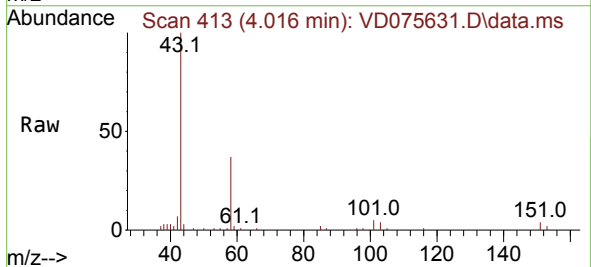
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

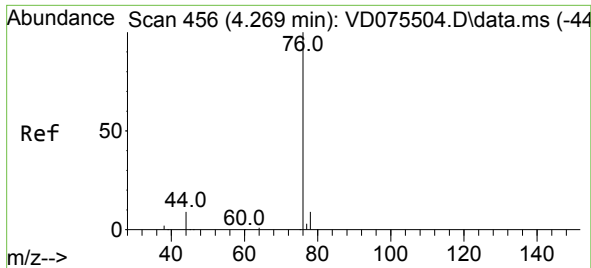
Tgt Ion: 53 Resp: 90355  
Ion Ratio Lower Upper  
53 100  
52 81.7 66.2 99.4  
51 36.0 30.7 46.1



#16  
Acetone  
Concen: 273.638 ug/l  
RT: 4.016 min Scan# 413  
Delta R.T. -0.006 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

Tgt Ion: 43 Resp: 77040  
Ion Ratio Lower Upper  
43 100  
58 36.8 24.4 36.6#

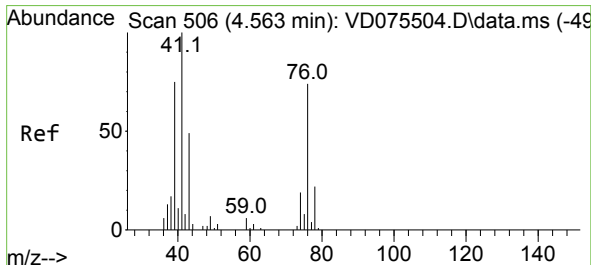
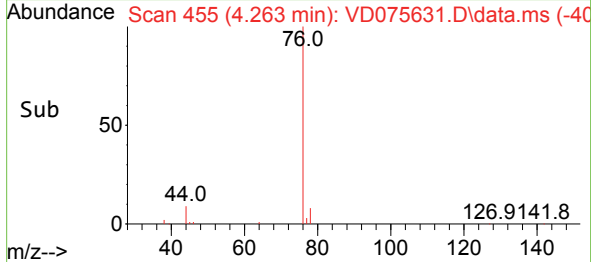
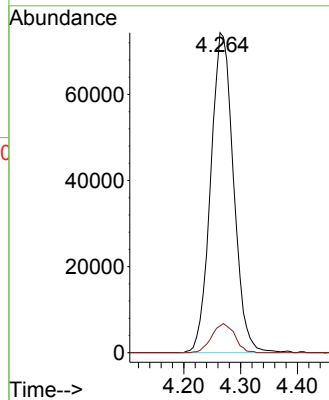
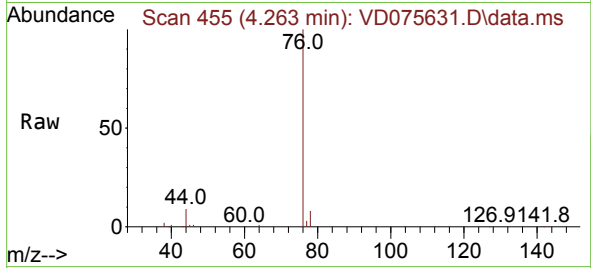




#17  
Carbon Disulfide  
Concen: 45.921 ug/l  
RT: 4.263 min Scan# 41  
Delta R.T. -0.012 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

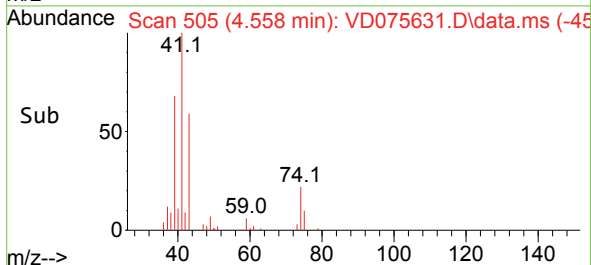
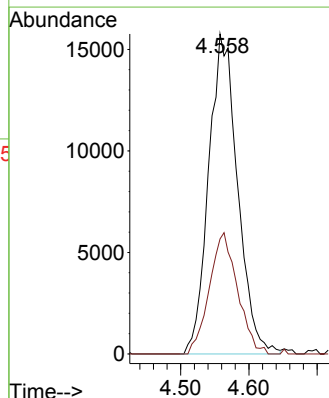
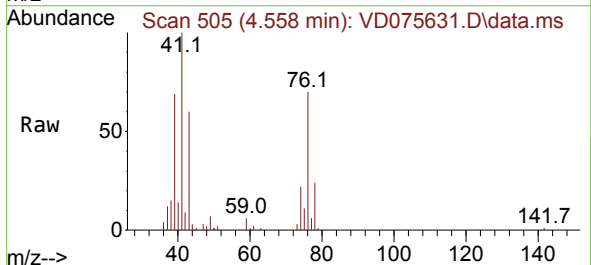
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

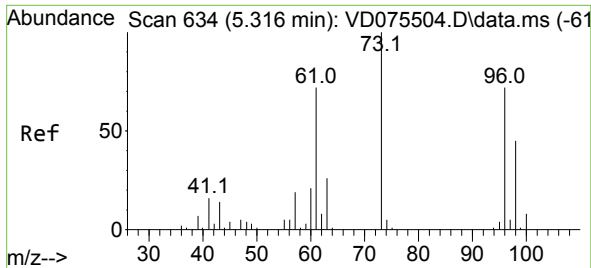
Tgt Ion: 76 Resp: 207514  
Ion Ratio Lower Upper  
76 100  
78 8.4 8.0 12.0



#18  
Methyl Acetate  
Concen: 54.782 ug/l  
RT: 4.558 min Scan# 505  
Delta R.T. -0.011 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

Tgt Ion: 43 Resp: 46548  
Ion Ratio Lower Upper  
43 100  
74 36.9 17.8 26.6#

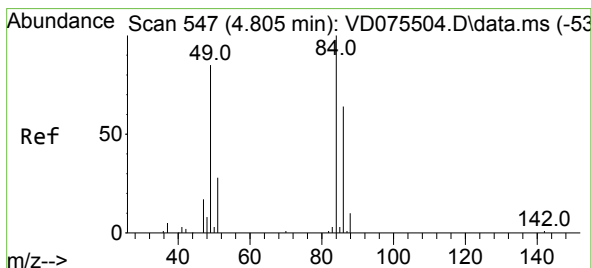
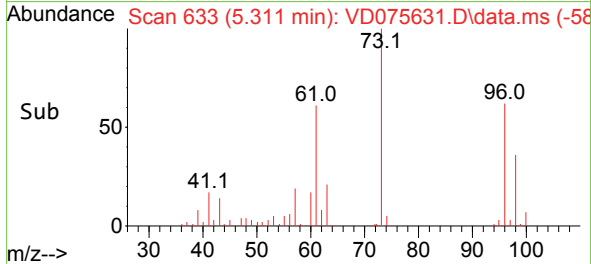
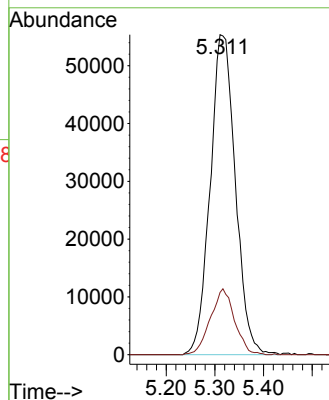
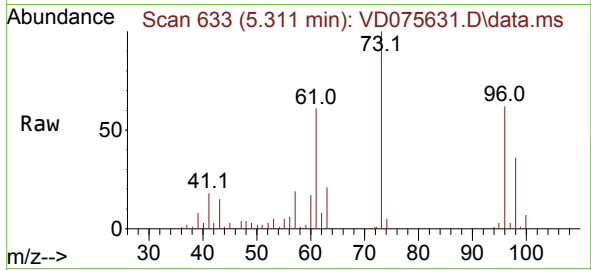




#19  
Methyl tert-butyl Ether  
Concen: 53.964 ug/l  
RT: 5.311 min Scan# 61  
Delta R.T. -0.011 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

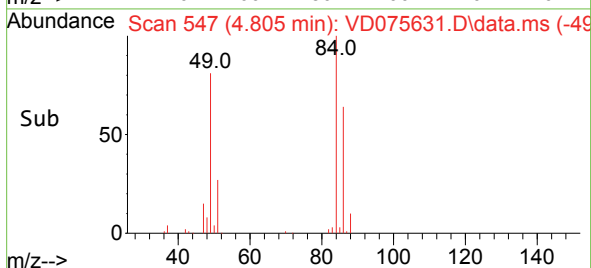
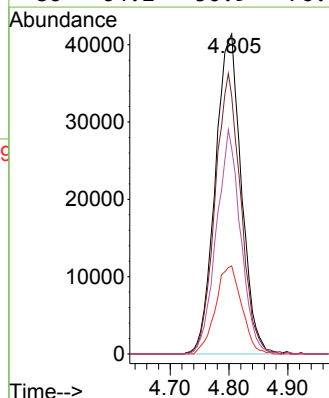
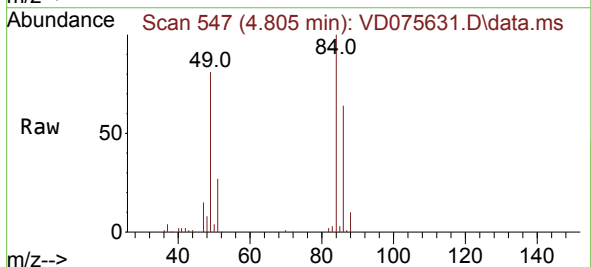
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

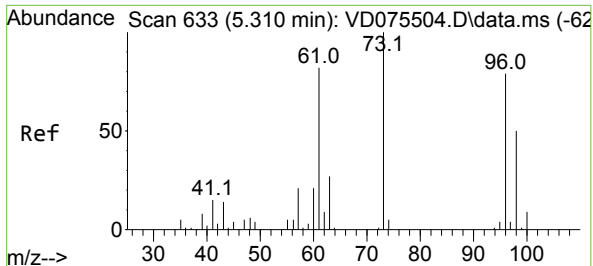
Tgt Ion: 73 Resp: 199129  
Ion Ratio Lower Upper  
73 100  
57 19.5 17.2 25.8



#20  
Methylene Chloride  
Concen: 54.318 ug/l  
RT: 4.805 min Scan# 547  
Delta R.T. -0.000 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

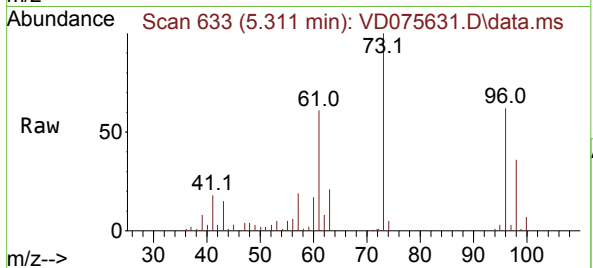
Tgt Ion: 84 Resp: 127314  
Ion Ratio Lower Upper  
84 100  
49 80.6 106.4 159.6#  
51 27.5 32.4 48.6#  
86 64.2 50.9 76.3



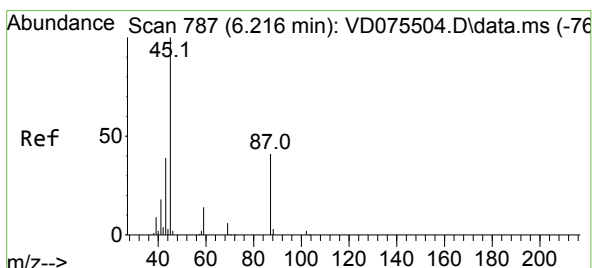
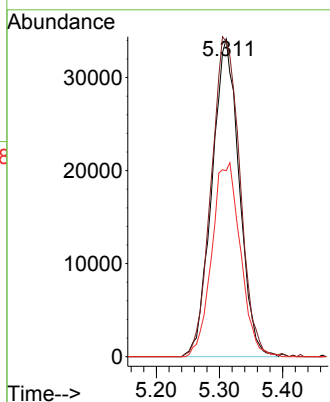
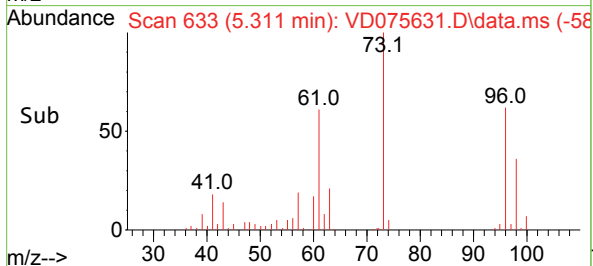


#21  
trans-1,2-Dichloroethene  
Concen: 49.685 ug/l  
RT: 5.311 min Scan# 611  
Delta R.T. -0.000 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

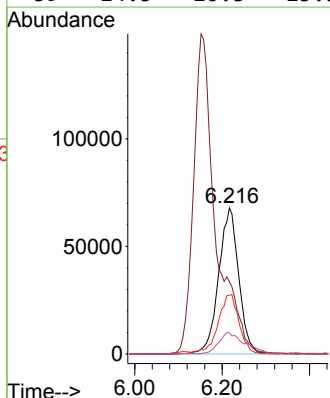
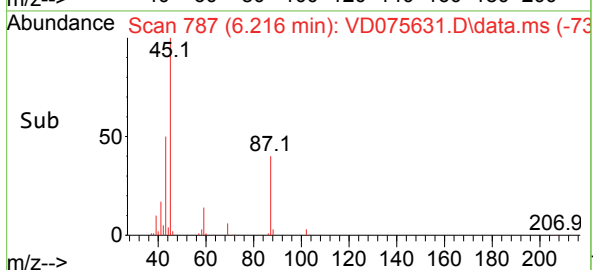
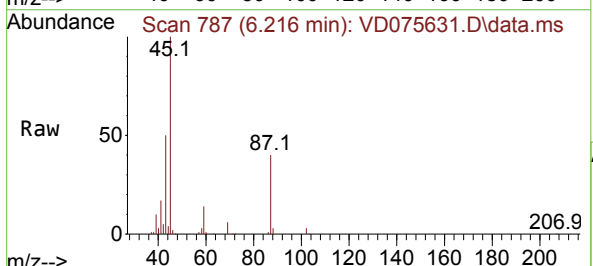


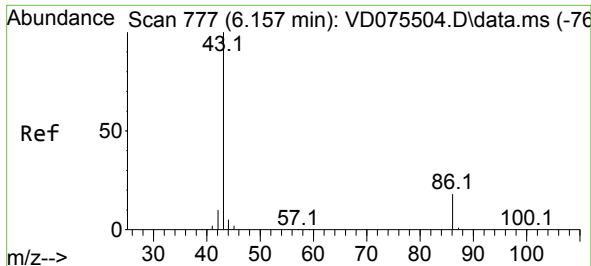
Tgt Ion: 96 Resp: 102395  
Ion Ratio Lower Upper  
96 100  
61 99.3 117.2 175.8#  
98 58.6 50.6 76.0



#22  
Diisopropyl ether  
Concen: 55.902 ug/l  
RT: 6.216 min Scan# 787  
Delta R.T. -0.000 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

Tgt Ion: 45 Resp: 216078  
Ion Ratio Lower Upper  
45 100  
43 48.9 44.4 66.6  
87 40.2 20.9 31.3#  
59 14.5 10.3 15.5

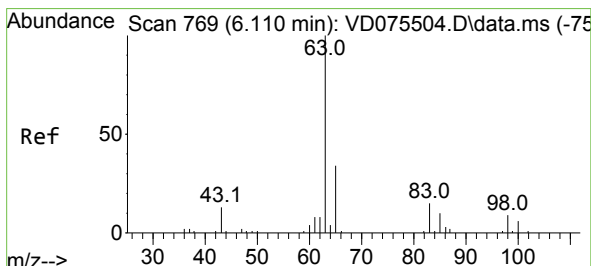
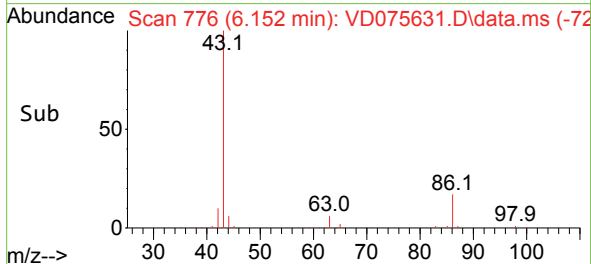
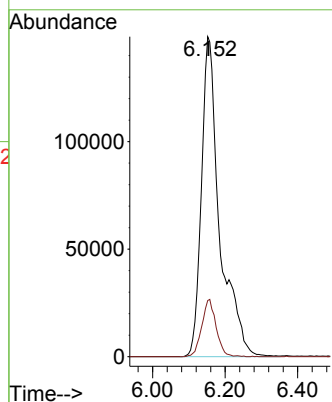
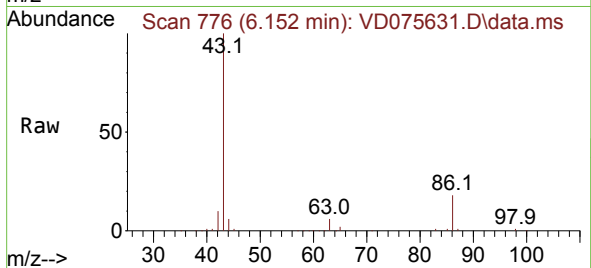




#23  
 Vinyl Acetate  
 Concen: 286.855 ug/l  
 RT: 6.152 min Scan# 776  
 Delta R.T. -0.006 min  
 Lab File: VD075631.D  
 Acq: 11 Apr 2023 20:37

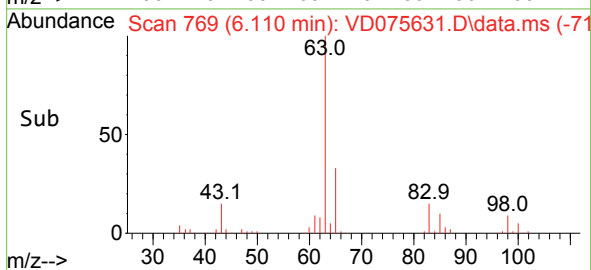
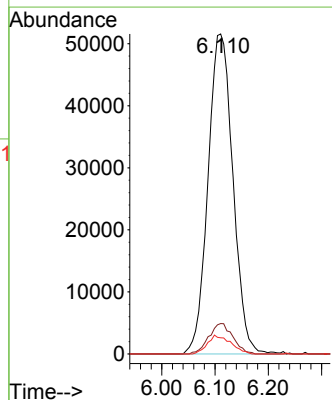
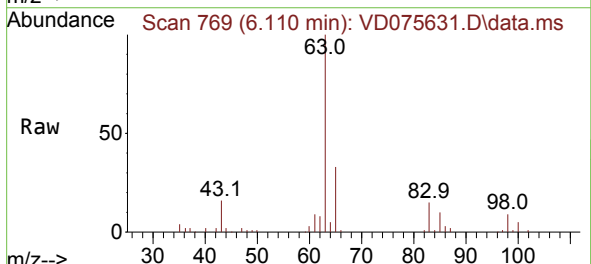
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

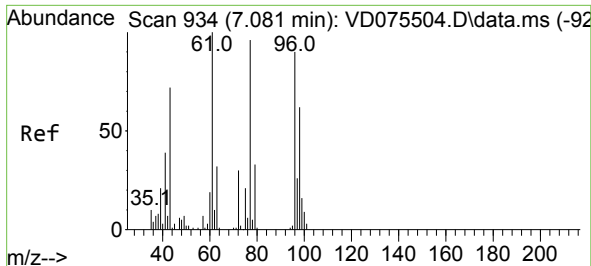
Tgt Ion: 43 Resp: 520401  
 Ion Ratio Lower Upper  
 43 100  
 86 17.6 9.0 13.6#



#24  
 1,1-Dichloroethane  
 Concen: 52.447 ug/l  
 RT: 6.110 min Scan# 769  
 Delta R.T. -0.000 min  
 Lab File: VD075631.D  
 Acq: 11 Apr 2023 20:37

Tgt Ion: 63 Resp: 167410  
 Ion Ratio Lower Upper  
 63 100  
 98 9.5 3.9 11.7  
 100 5.1 2.0 6.0

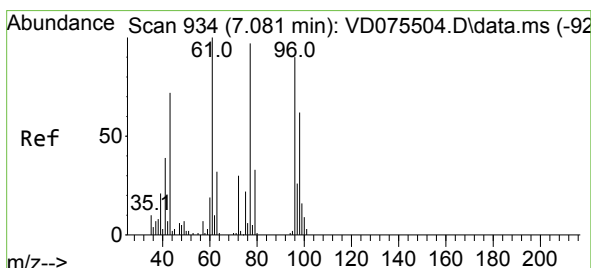
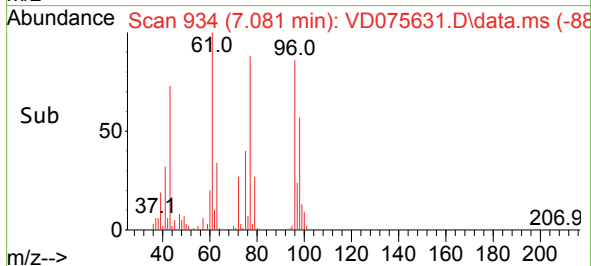
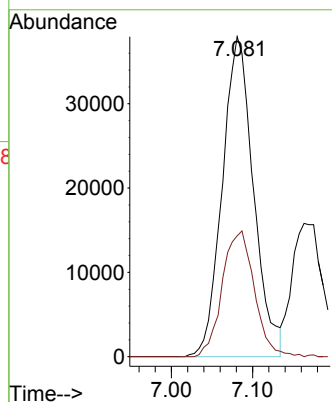
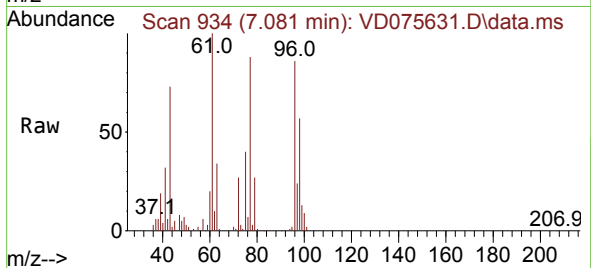




#25  
2-Butanone  
Concen: 277.513 ug/l  
RT: 7.081 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

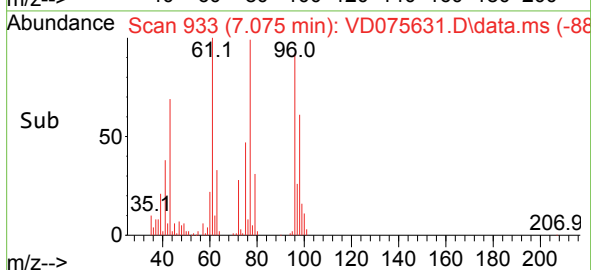
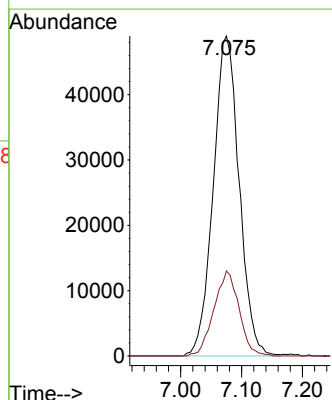
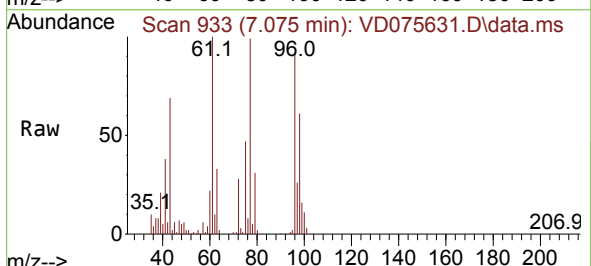
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

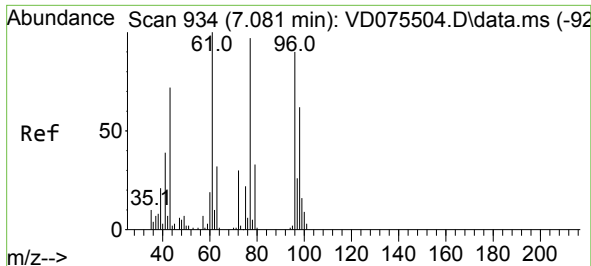
Tgt Ion: 43 Resp: 101396  
Ion Ratio Lower Upper  
43 100  
72 37.7 19.8 29.8#



#26  
2,2-Dichloropropane  
Concen: 49.390 ug/l  
RT: 7.075 min Scan# 933  
Delta R.T. -0.006 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

Tgt Ion: 77 Resp: 144622  
Ion Ratio Lower Upper  
77 100  
97 25.7 11.1 33.1



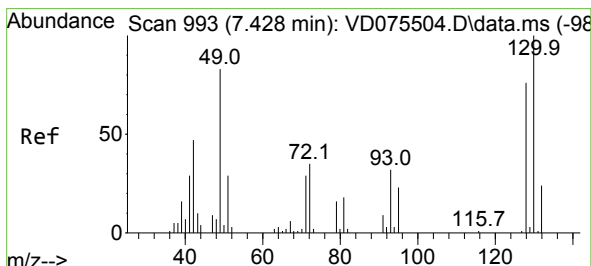
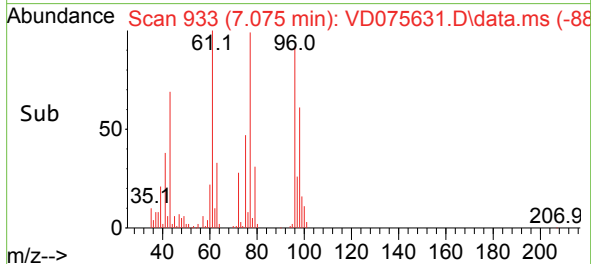
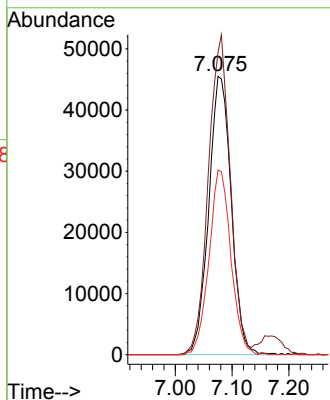
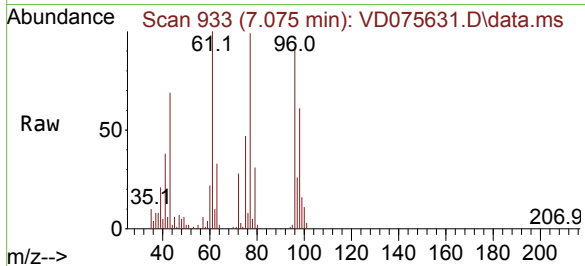


#27  
 cis-1,2-Dichloroethene  
 Concen: 51.565 ug/l  
 RT: 7.075 min Scan# 91  
 Delta R.T. -0.006 min  
 Lab File: VD075631.D  
 Acq: 11 Apr 2023 20:37

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 96 Resp: 125123  

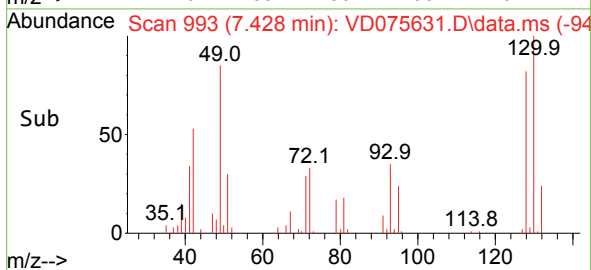
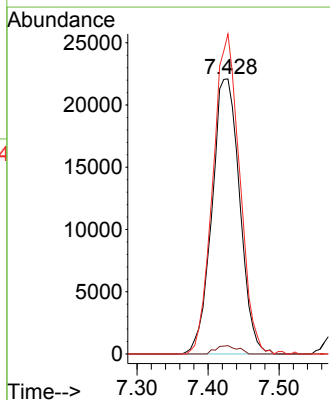
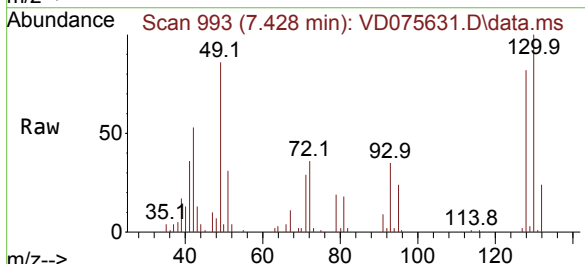
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 112.1 | 0.0   | 295.2 |
| 98  | 64.5  | 0.0   | 129.2 |

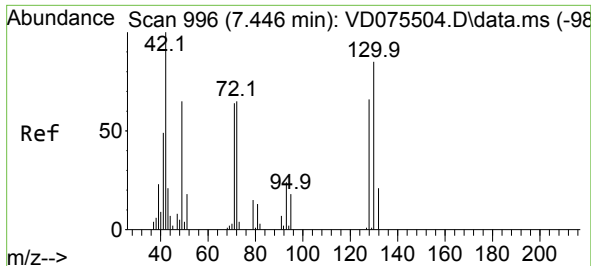


#28  
 Bromochloromethane  
 Concen: 54.900 ug/l  
 RT: 7.428 min Scan# 993  
 Delta R.T. -0.000 min  
 Lab File: VD075631.D  
 Acq: 11 Apr 2023 20:37

Tgt Ion: 49 Resp: 59875  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 129 | 2.4   | 0.0   | 2.2#  |
| 130 | 112.3 | 56.0  | 84.0# |





#29

Tetrahydrofuran

Concen: 289.654 ug/l

RT: 7.446 min Scan# 996

Delta R.T. -0.000 min

Lab File: VD075631.D

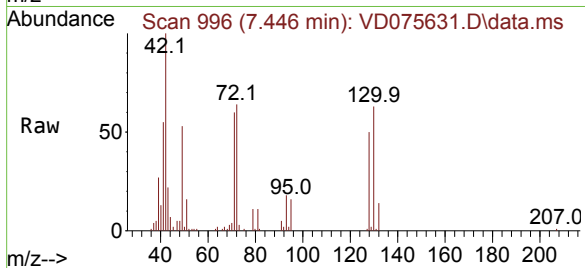
Acq: 11 Apr 2023 20:37

Instrument :

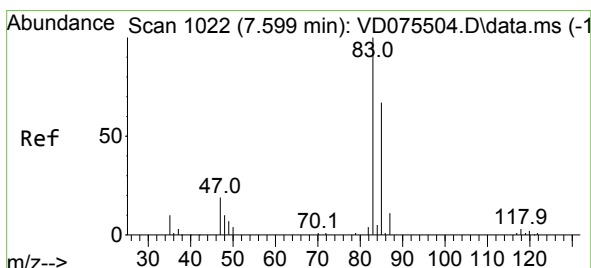
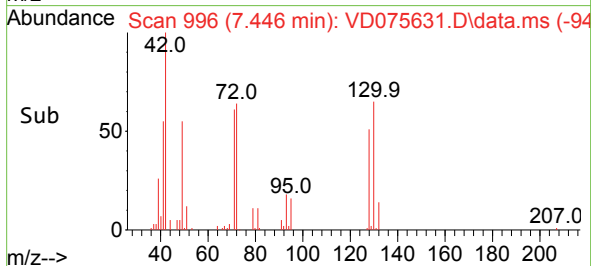
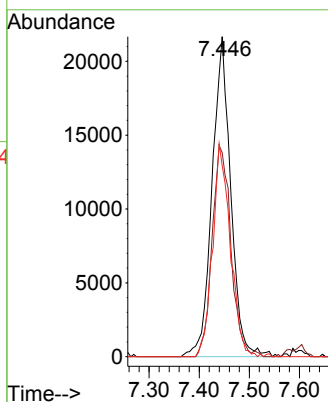
MSVOA\_D

ClientSampleId :

VSTDCCC050EC



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 42    | Resp: | 56044 |
| Ion Ratio | Lower | Upper |       |
| 42        | 100   |       |       |
| 72        | 65.8  | 31.8  | 47.6# |
| 71        | 63.1  | 27.6  | 41.4# |



#30

Chloroform

Concen: 53.665 ug/l

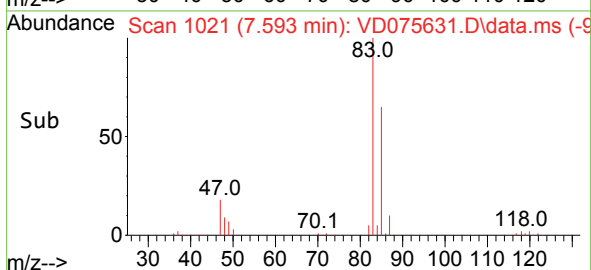
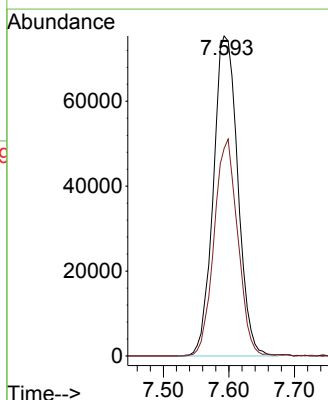
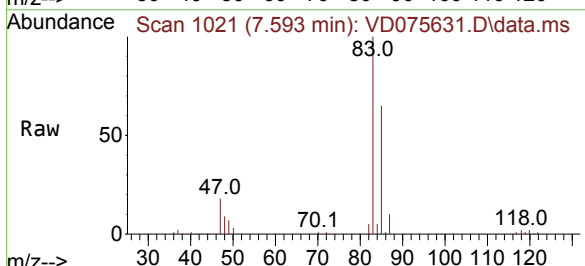
RT: 7.593 min Scan# 1021

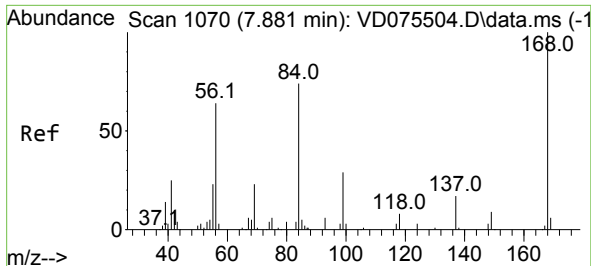
Delta R.T. -0.006 min

Lab File: VD075631.D

Acq: 11 Apr 2023 20:37

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 83    | Resp: | 194871 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 64.9  | 49.4  | 74.2   |

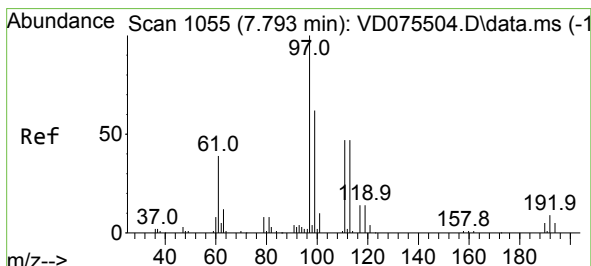
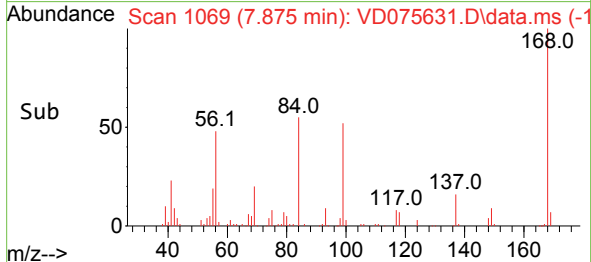
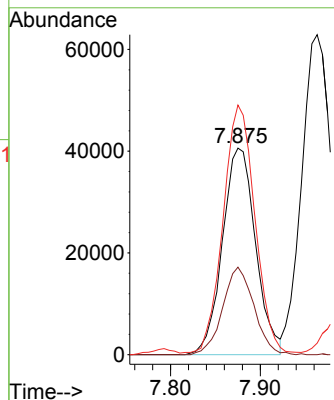
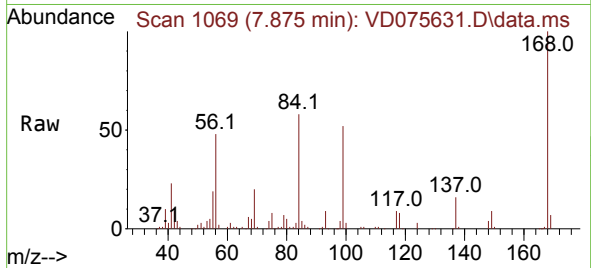




#31  
Cyclohexane  
Concen: 46.373 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.006 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

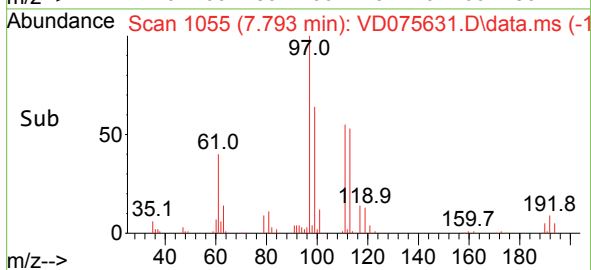
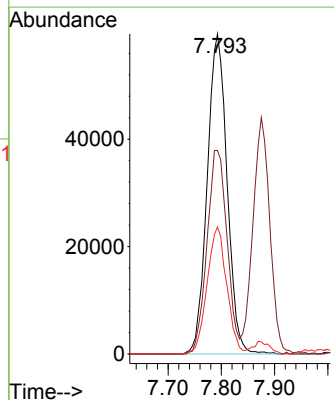
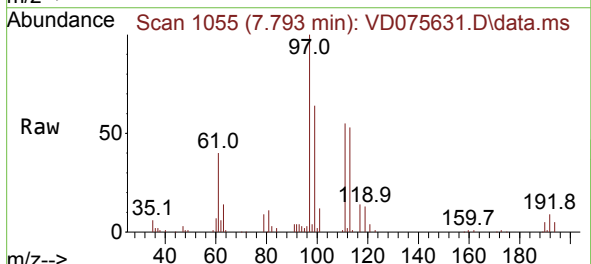
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

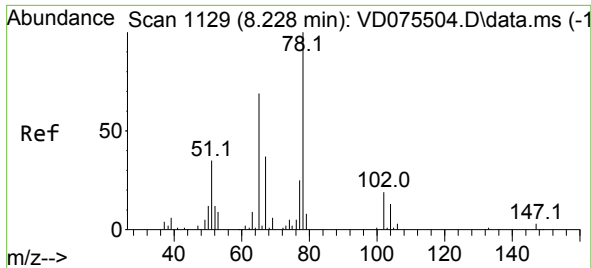
Tgt Ion: 56 Resp: 104244  
Ion Ratio Lower Upper  
56 100  
69 42.4 25.5 38.3#  
84 120.1 69.6 104.4#



#32  
1,1,1-Trichloroethane  
Concen: 51.105 ug/l  
RT: 7.793 min Scan# 1055  
Delta R.T. -0.000 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

Tgt Ion: 97 Resp: 154436  
Ion Ratio Lower Upper  
97 100  
99 64.3 50.5 75.7  
61 39.3 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 55.687 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD075631.D

Acq: 11 Apr 2023 20:37

Instrument :

MSVOA\_D

ClientSampleId :

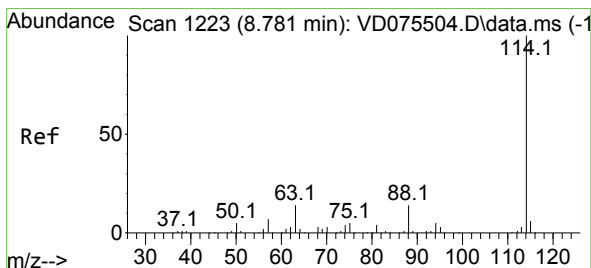
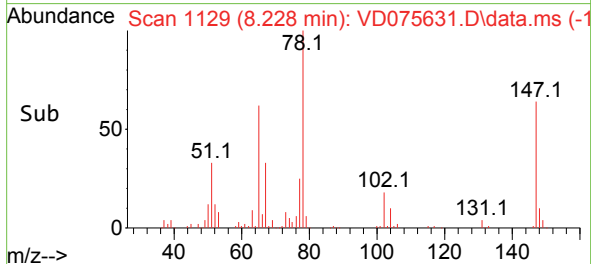
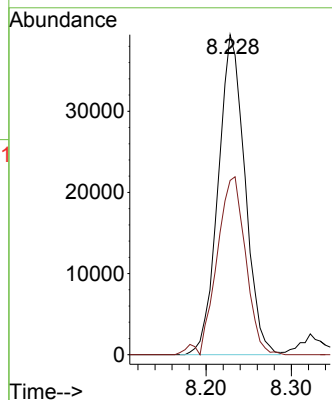
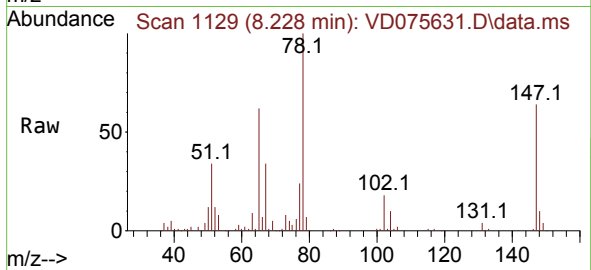
VSTDCCC050EC

Tgt Ion: 65 Resp: 86044

Ion Ratio Lower Upper

65 100

67 59.8 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.006 min

Lab File: VD075631.D

Acq: 11 Apr 2023 20:37

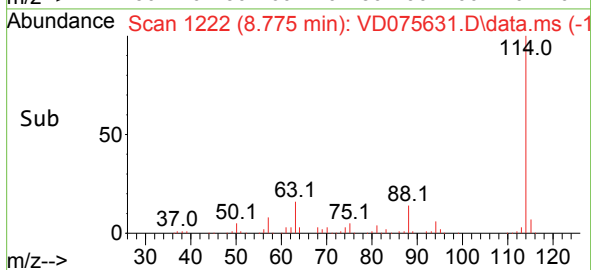
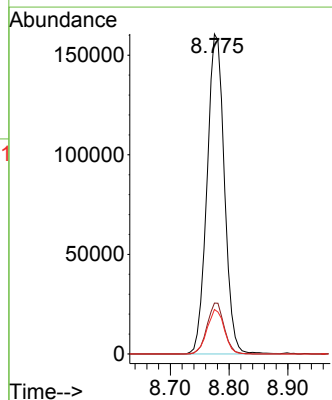
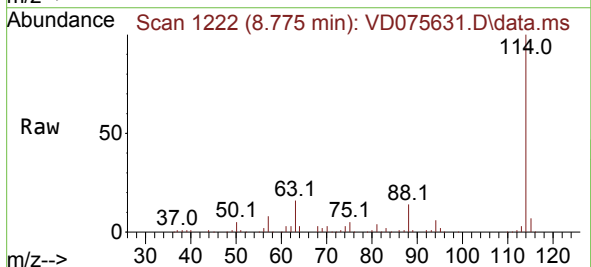
Tgt Ion: 114 Resp: 328761

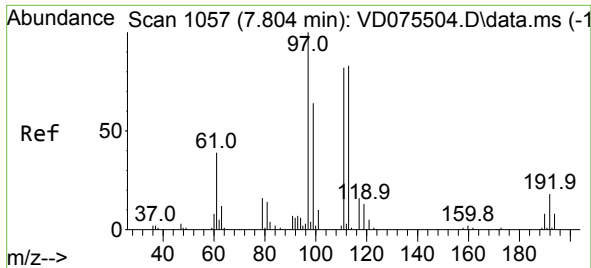
Ion Ratio Lower Upper

114 100

63 15.9 0.0 41.6

88 13.9 0.0 30.6

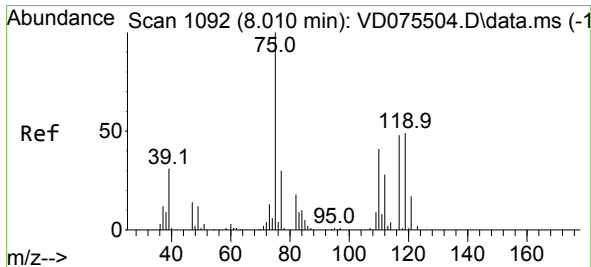
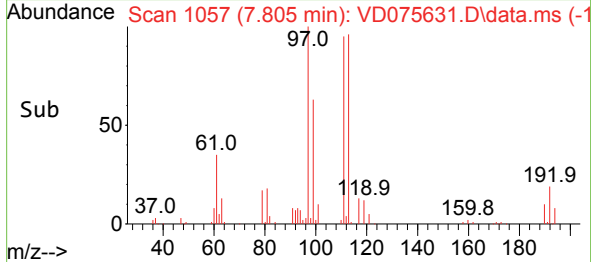
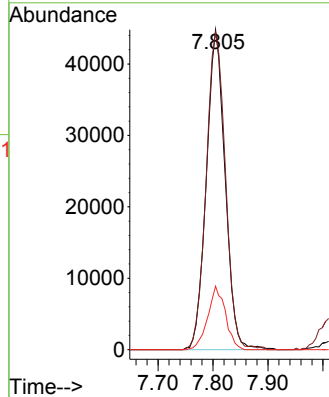
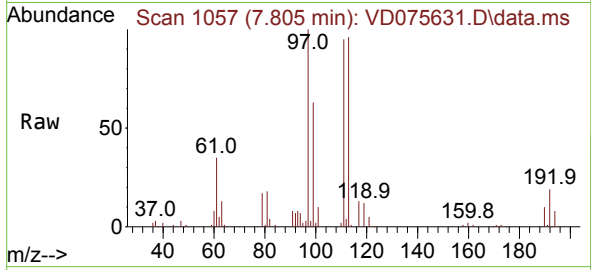




#35  
Dibromofluoromethane  
Concen: 55.083 ug/l  
RT: 7.805 min Scan# 1057  
Delta R.T. -0.000 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

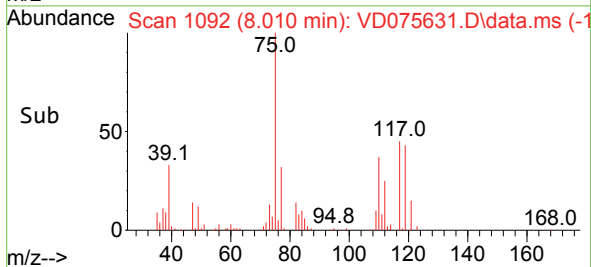
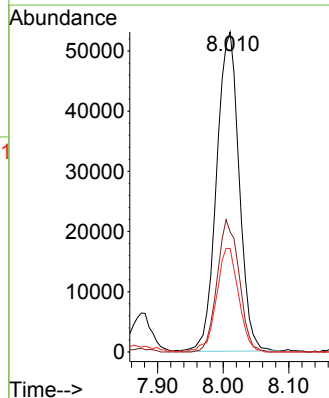
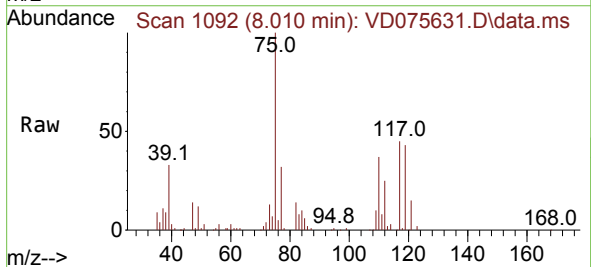
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

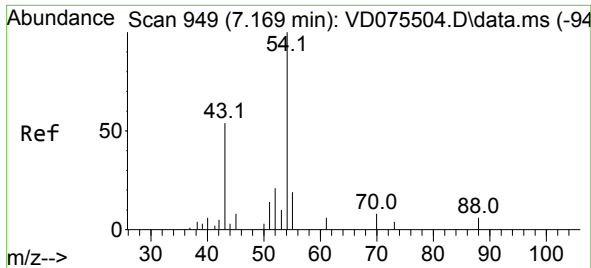
Tgt Ion:113 Resp: 106130  
Ion Ratio Lower Upper  
113 100  
111 102.1 81.4 122.0  
192 18.7 15.2 22.8



#36  
1,1-Dichloropropene  
Concen: 51.291 ug/l  
RT: 8.010 min Scan# 1092  
Delta R.T. 0.006 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

Tgt Ion: 75 Resp: 126210  
Ion Ratio Lower Upper  
75 100  
110 40.4 17.1 51.2  
77 32.0 24.6 36.8





#37

Ethyl Acetate

Concen: 57.862 ug/l

RT: 7.163 min Scan# 949

Delta R.T. -0.006 min

Lab File: VD075631.D

Acq: 11 Apr 2023 20:37

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

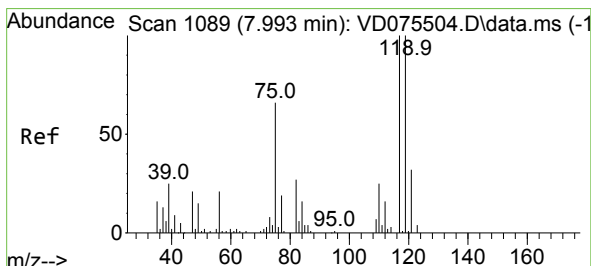
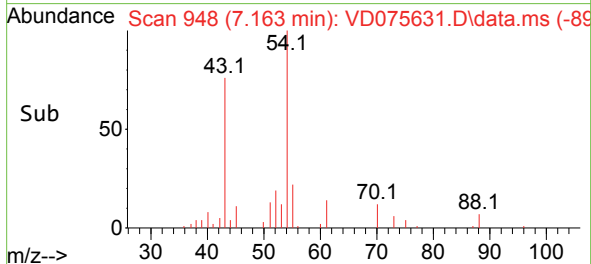
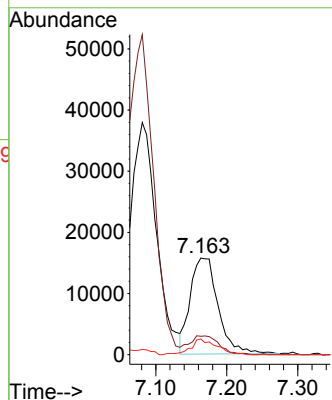
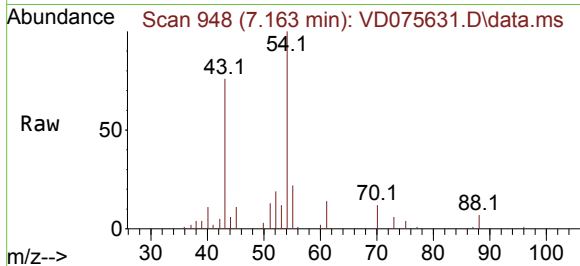
Tgt Ion: 43 Resp: 42807

Ion Ratio Lower Upper

43 100

61 21.1 0.0 0.0#

70 15.1 5.6 8.4#



#38

Carbon Tetrachloride

Concen: 51.664 ug/l

RT: 7.987 min Scan# 1088

Delta R.T. -0.006 min

Lab File: VD075631.D

Acq: 11 Apr 2023 20:37

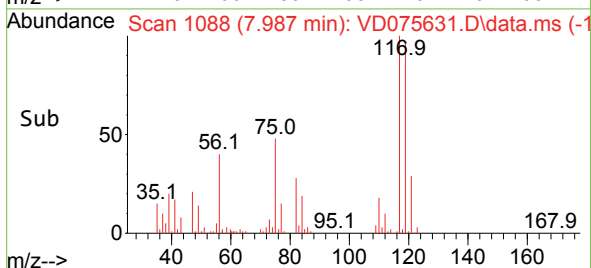
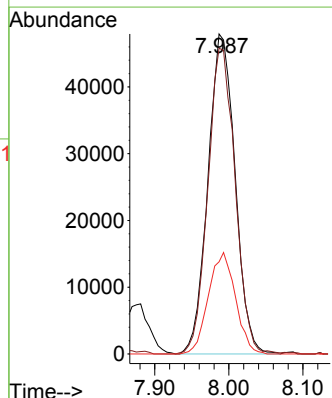
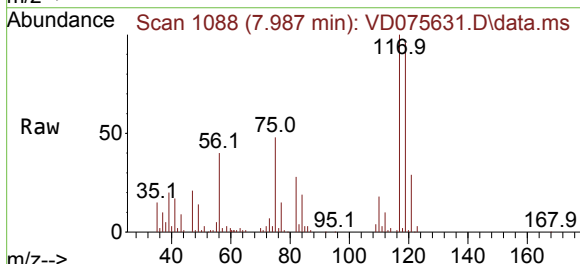
Tgt Ion: 117 Resp: 121913

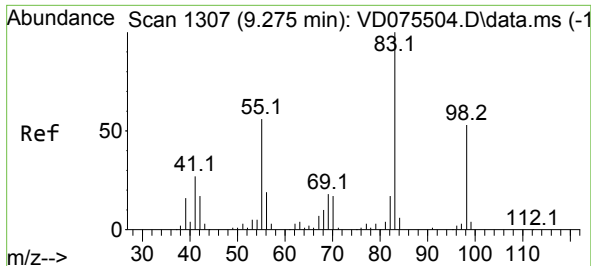
Ion Ratio Lower Upper

117 100

119 95.2 74.7 112.1

121 28.8 25.9 38.9





#39

Methylcyclohexane

Concen: 48.955 ug/l

RT: 9.275 min Scan# 11307

Delta R.T. -0.000 min

Lab File: VD075631.D

Acq: 11 Apr 2023 20:37

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

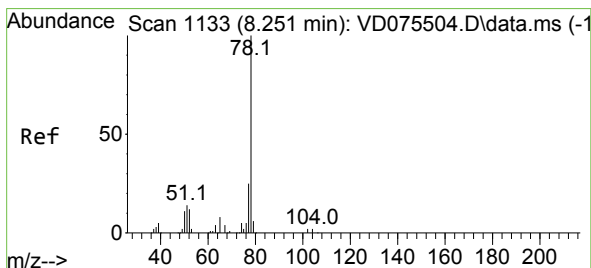
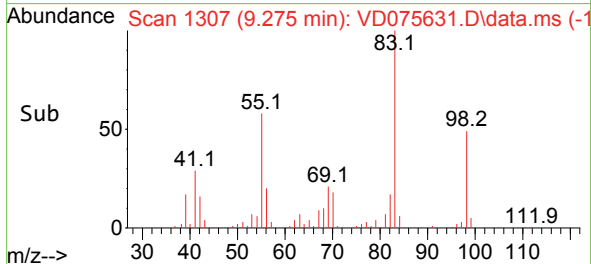
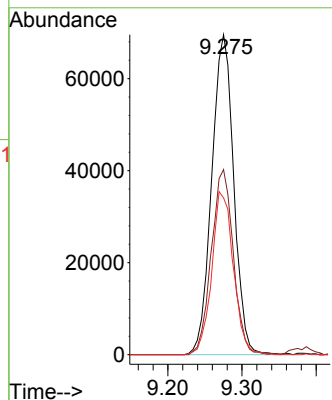
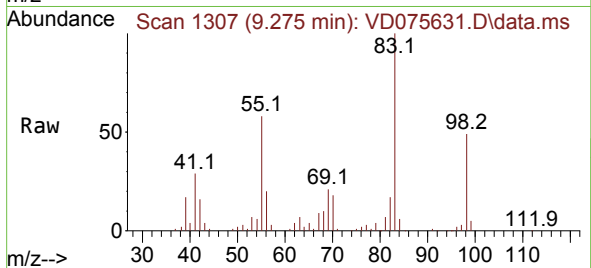
Tgt Ion: 83 Resp: 143442

Ion Ratio Lower Upper

83 100

55 57.8 56.8 85.2

98 49.0 38.9 58.3



#40

Benzene

Concen: 53.898 ug/l

RT: 8.252 min Scan# 1133

Delta R.T. -0.000 min

Lab File: VD075631.D

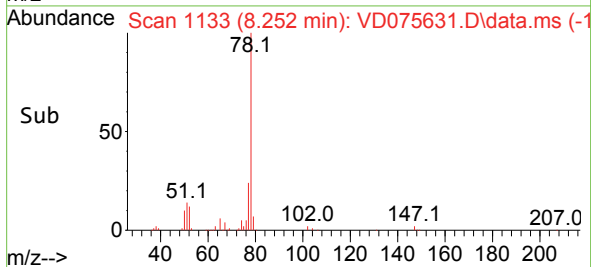
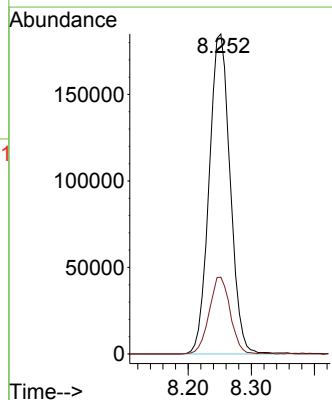
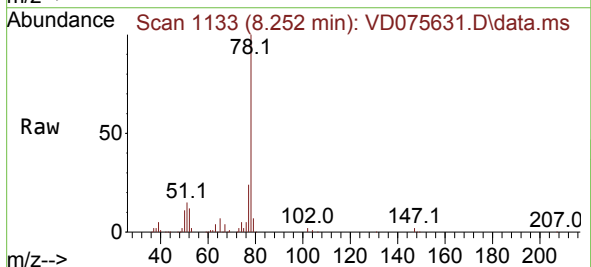
Acq: 11 Apr 2023 20:37

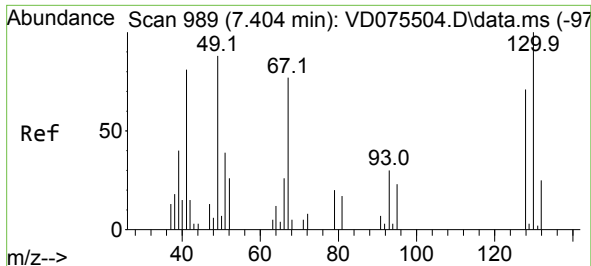
Tgt Ion: 78 Resp: 427353

Ion Ratio Lower Upper

78 100

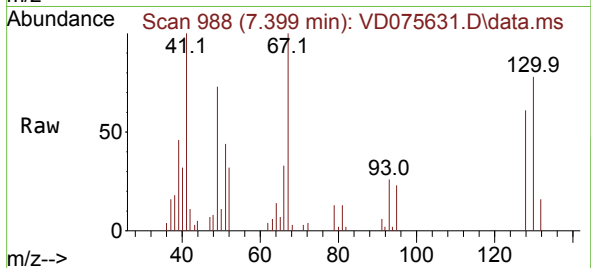
77 24.0 19.1 28.7



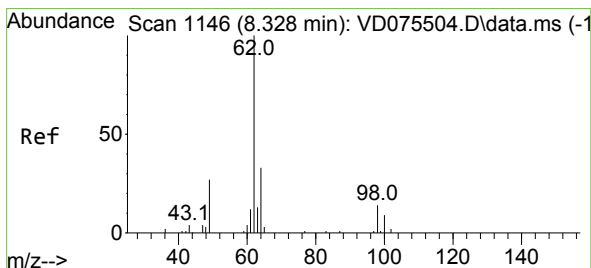
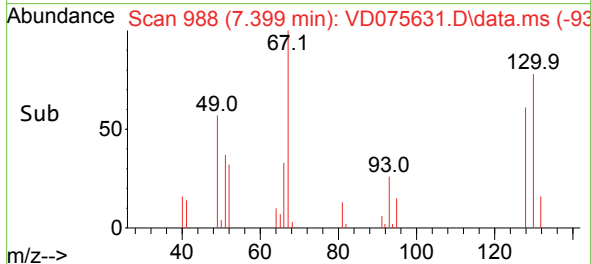
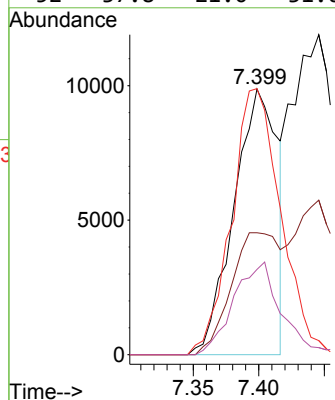


#41  
Methacrylonitrile  
Concen: 56.567 ug/l  
RT: 7.399 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

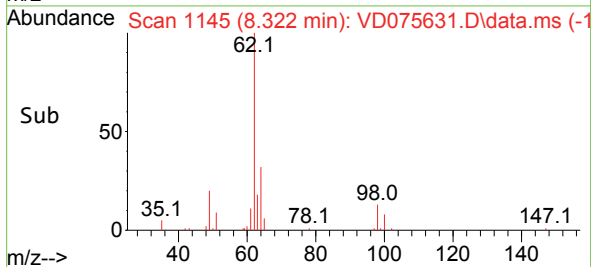
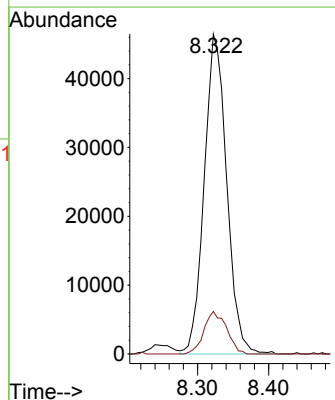
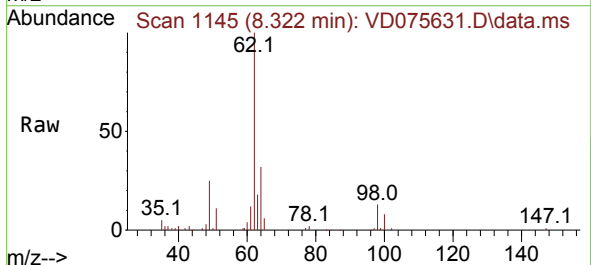


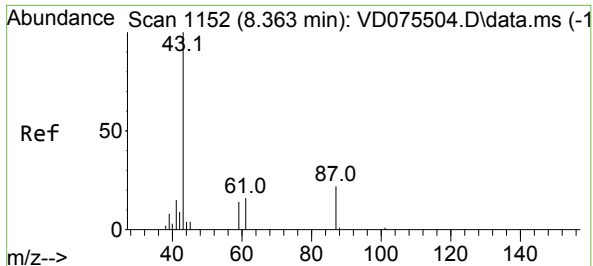
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 22918 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 50.1  | 45.3  | 67.9  |
| 67       | 112.2 | 50.5  | 75.7# |
| 52       | 37.8  | 21.0  | 31.6# |



#42  
1,2-Dichloroethane  
Concen: 55.447 ug/l  
RT: 8.322 min Scan# 1145  
Delta R.T. -0.006 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 102149 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 13.4  | 0.0   | 18.8   |





#43

Isopropyl Acetate

Concen: 57.004 ug/l

RT: 8.363 min Scan# 1152

Delta R.T. -0.000 min

Lab File: VD075631.D

Acq: 11 Apr 2023 20:37

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

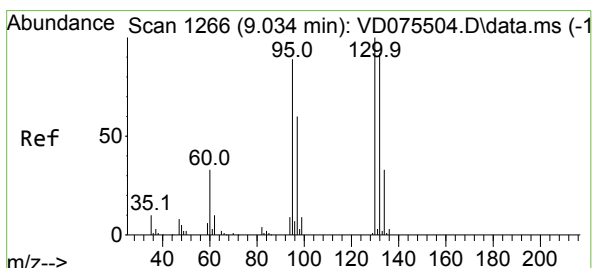
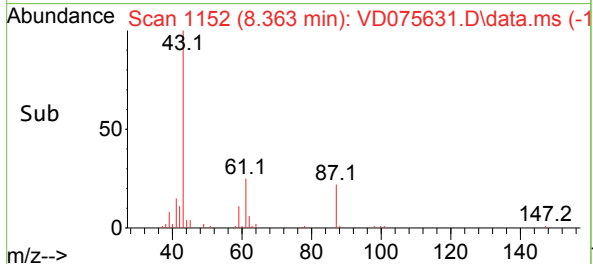
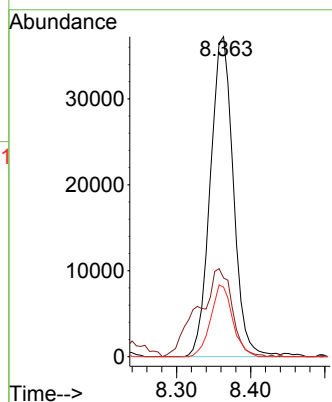
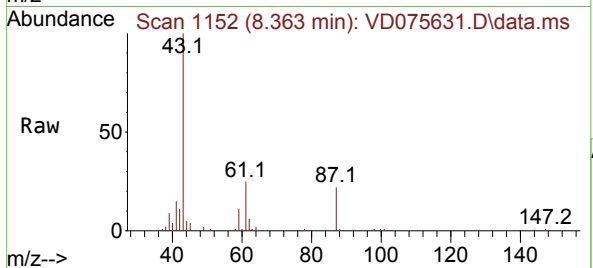
Tgt Ion: 43 Resp: 80505

Ion Ratio Lower Upper

43 100

61 40.5 23.4 35.0#

87 21.4 9.5 14.3#



#44

Trichloroethene

Concen: 49.053 ug/l

RT: 9.028 min Scan# 1265

Delta R.T. -0.000 min

Lab File: VD075631.D

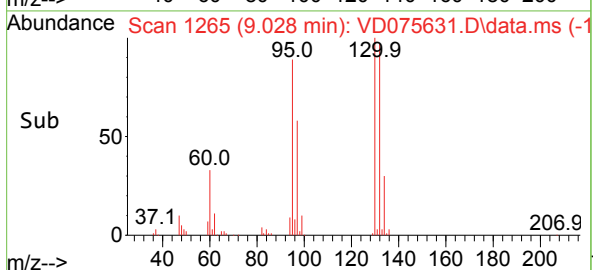
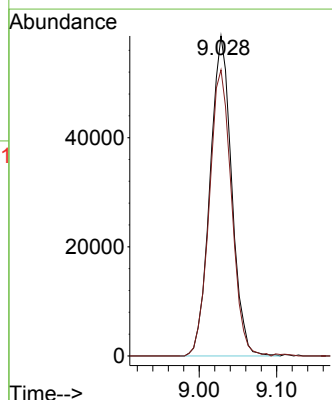
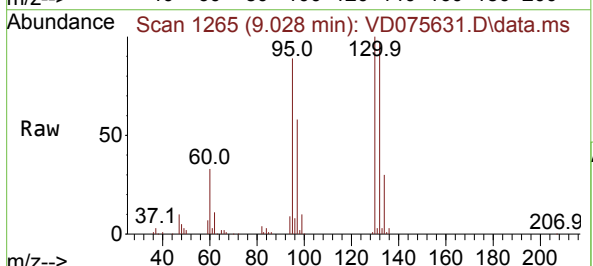
Acq: 11 Apr 2023 20:37

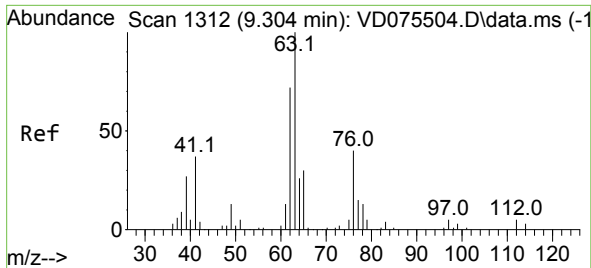
Tgt Ion:130 Resp: 113924

Ion Ratio Lower Upper

130 100

95 89.4 0.0 197.6

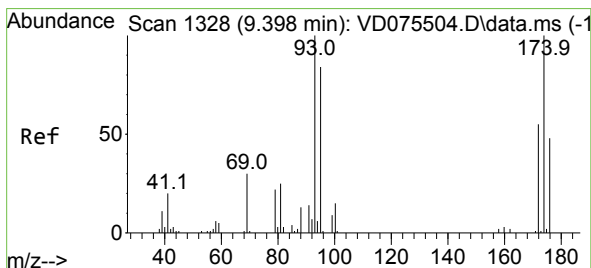
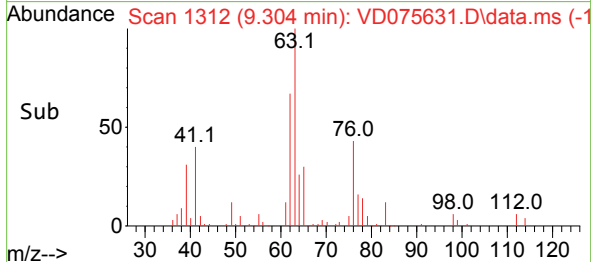
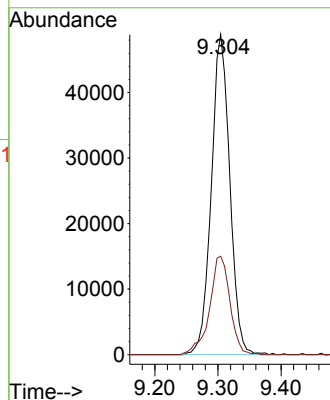
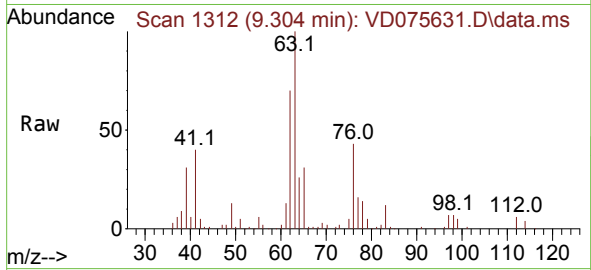




#45  
1,2-Dichloropropane  
Concen: 53.732 ug/l  
RT: 9.304 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

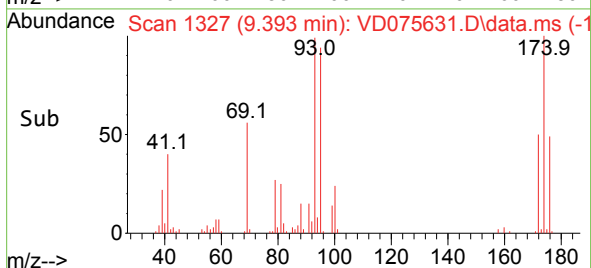
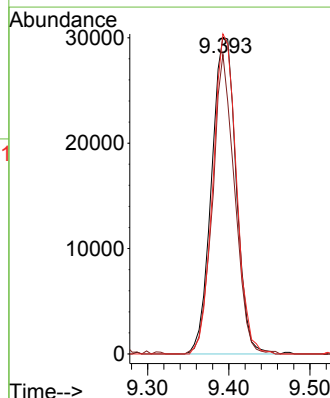
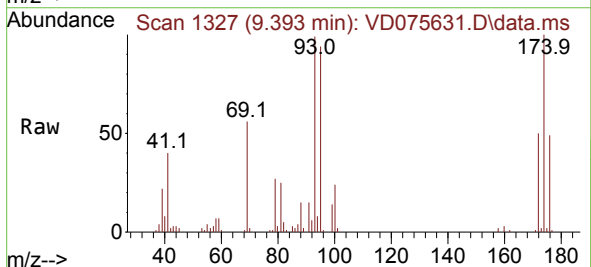
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

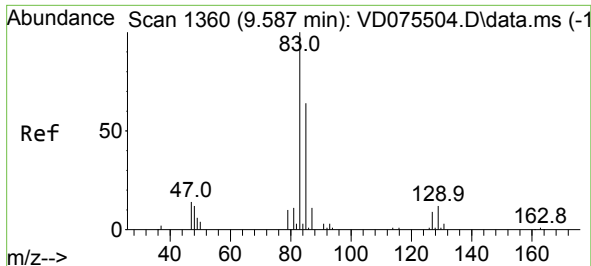
Tgt Ion: 63 Resp: 99386  
Ion Ratio Lower Upper  
63 100  
65 30.7 23.0 34.4



#46  
Dibromomethane  
Concen: 55.106 ug/l  
RT: 9.393 min Scan# 1327  
Delta R.T. -0.000 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

Tgt Ion: 93 Resp: 63285  
Ion Ratio Lower Upper  
93 100  
95 84.8 64.5 96.7  
174 96.3 76.2 114.4

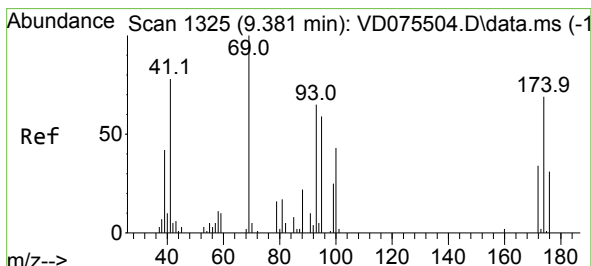
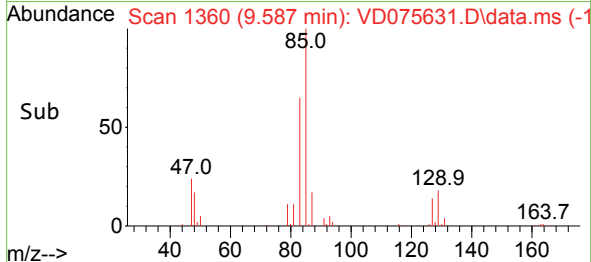
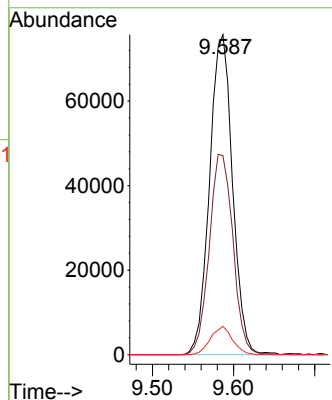
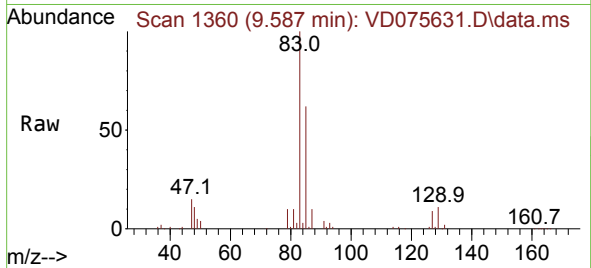




#47  
Bromodichloromethane  
Concen: 53.571 ug/l  
RT: 9.587 min Scan# 1360  
Delta R.T. -0.000 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

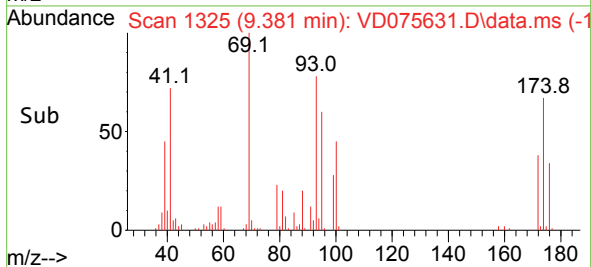
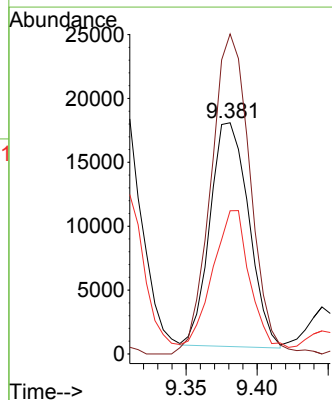
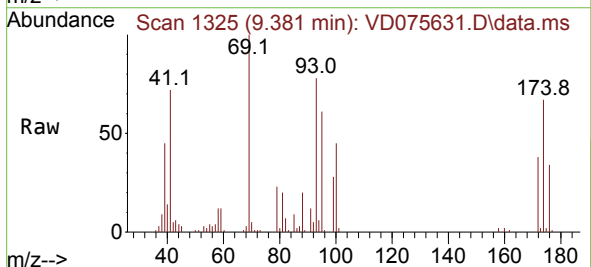
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

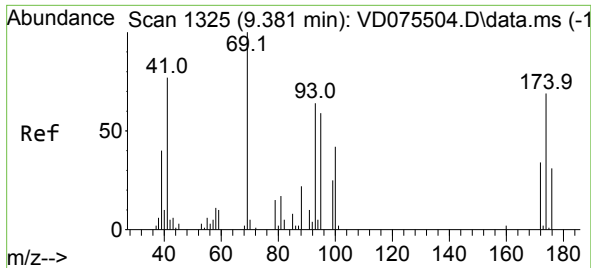
Tgt Ion: 83 Resp: 148780  
Ion Ratio Lower Upper  
83 100  
85 62.2 53.7 80.5  
127 8.8 7.0 10.6



#48  
Methyl methacrylate  
Concen: 51.888 ug/l  
RT: 9.381 min Scan# 1325  
Delta R.T. -0.000 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

Tgt Ion: 41 Resp: 33209  
Ion Ratio Lower Upper  
41 100  
69 145.1 58.6 88.0#  
39 64.7 53.4 80.0

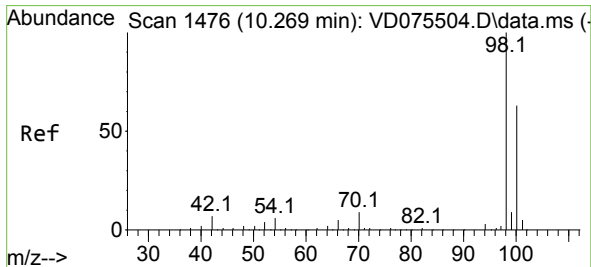
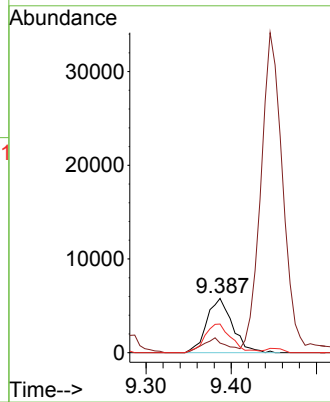
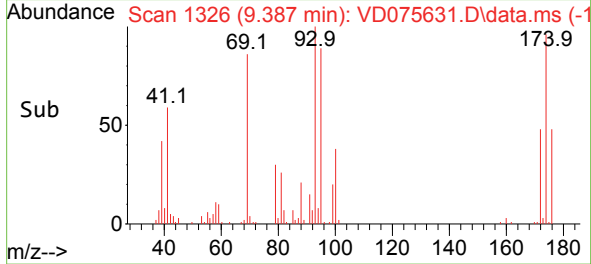
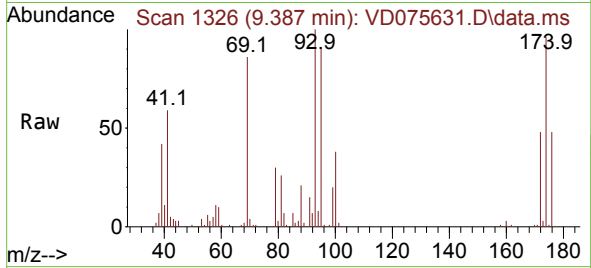




#49  
1,4-Dioxane  
Concen: 1166.618 ug/l  
RT: 9.387 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

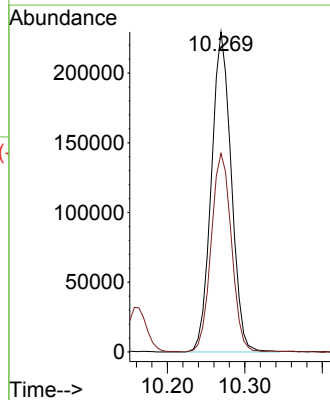
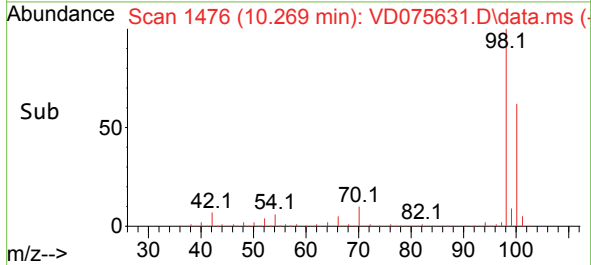
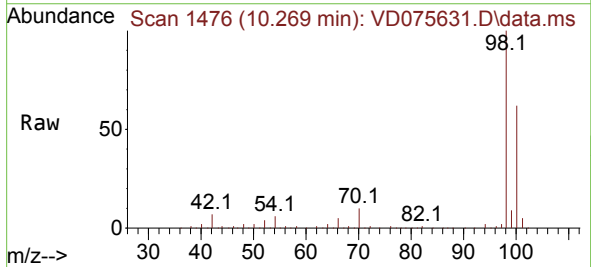
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

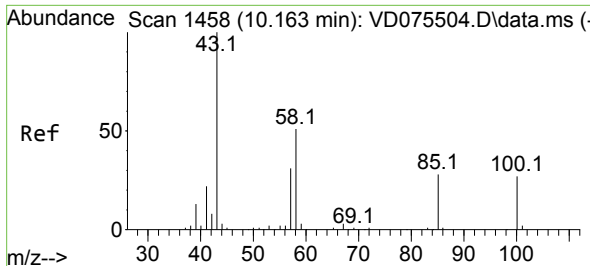
Tgt Ion: 88 Resp: 12145  
Ion Ratio Lower Upper  
88 100  
43 25.0 34.6 51.8#  
58 54.3 58.0 87.0#



#50  
Toluene-d8  
Concen: 54.077 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. -0.000 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

Tgt Ion: 98 Resp: 408677  
Ion Ratio Lower Upper  
98 100  
100 63.2 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 290.869 ug/l

RT: 10.157 min Scan# 1458

Delta R.T. -0.000 min

Lab File: VD075631.D

Acq: 11 Apr 2023 20:37

Instrument :

MSVOA\_D

ClientSampleId :

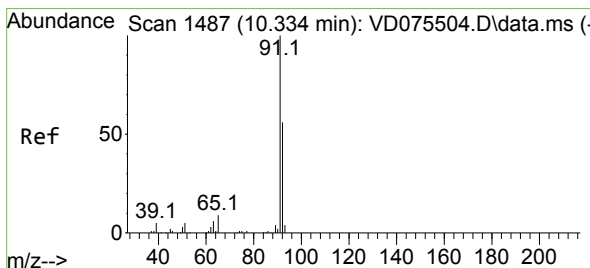
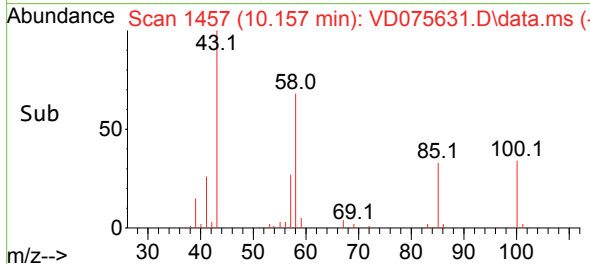
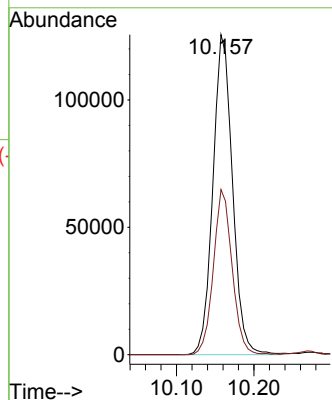
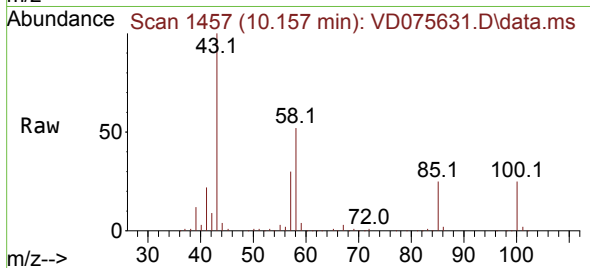
VSTDCCC050EC

Tgt Ion: 43 Resp: 221134

Ion Ratio Lower Upper

43 100

58 49.5 29.5 44.3#



#52

Toluene

Concen: 51.341 ug/l

RT: 10.334 min Scan# 1487

Delta R.T. -0.000 min

Lab File: VD075631.D

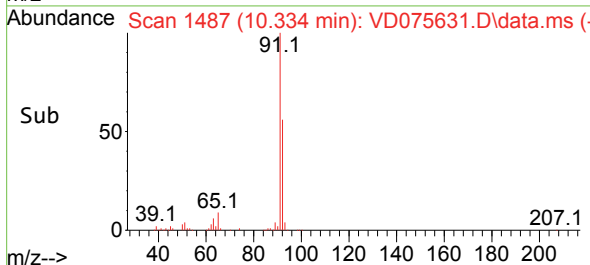
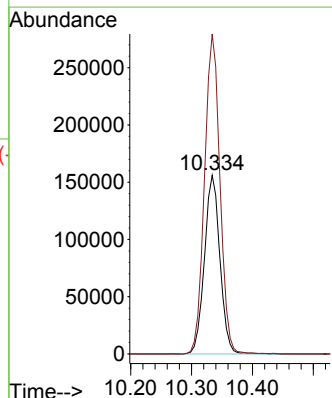
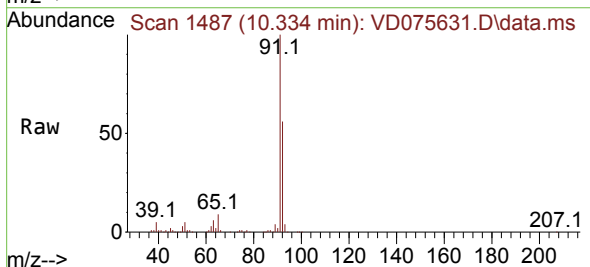
Acq: 11 Apr 2023 20:37

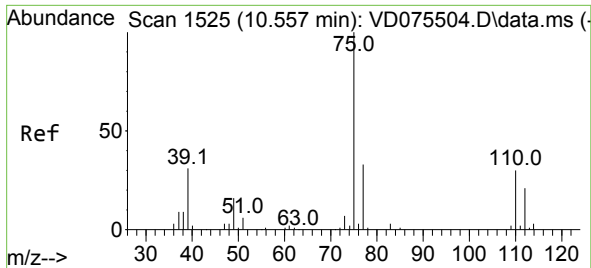
Tgt Ion: 92 Resp: 274938

Ion Ratio Lower Upper

92 100

91 179.0 136.5 204.7

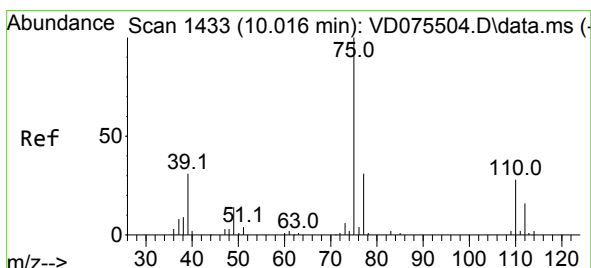
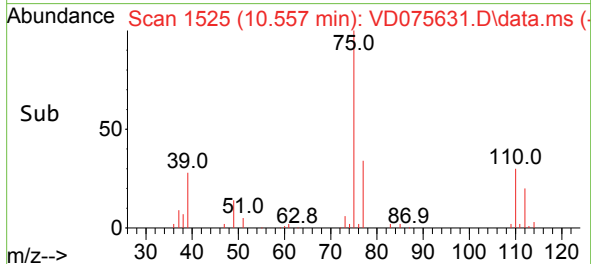
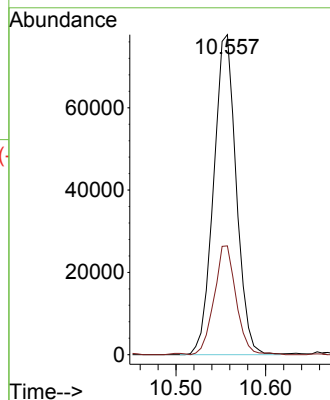
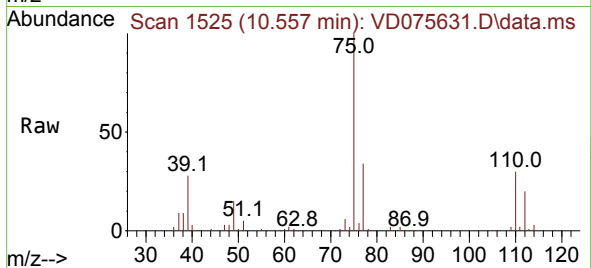




#53  
 t-1,3-Dichloropropene  
 Concen: 54.078 ug/l  
 RT: 10.557 min Scan# 1525  
 Delta R.T. -0.000 min  
 Lab File: VD075631.D  
 Acq: 11 Apr 2023 20:37

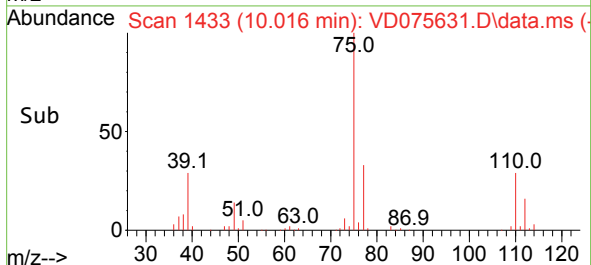
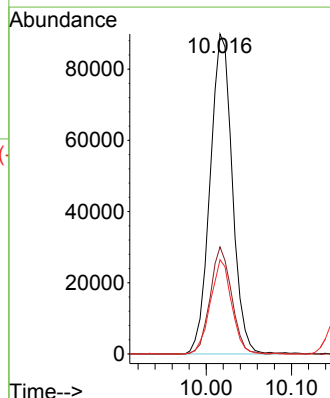
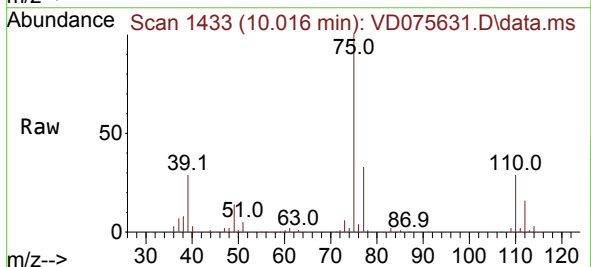
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

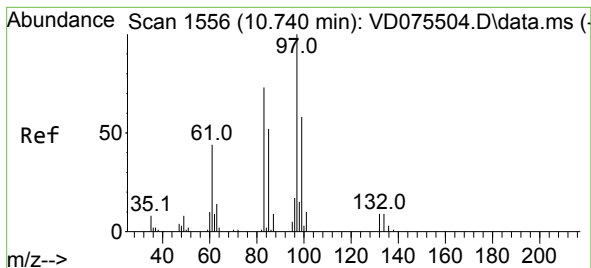
Tgt Ion: 75 Resp: 136134  
 Ion Ratio Lower Upper  
 75 100  
 77 33.8 26.3 39.5



#54  
 cis-1,3-Dichloropropene  
 Concen: 52.984 ug/l  
 RT: 10.016 min Scan# 1433  
 Delta R.T. -0.000 min  
 Lab File: VD075631.D  
 Acq: 11 Apr 2023 20:37

Tgt Ion: 75 Resp: 162174  
 Ion Ratio Lower Upper  
 75 100  
 77 33.5 25.6 38.4  
 39 29.5 44.8 67.2#





#55

1,1,2-Trichloroethane

Concen: 55.934 ug/l

RT: 10.734 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD075631.D

Acq: 11 Apr 2023 20:37

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 94728

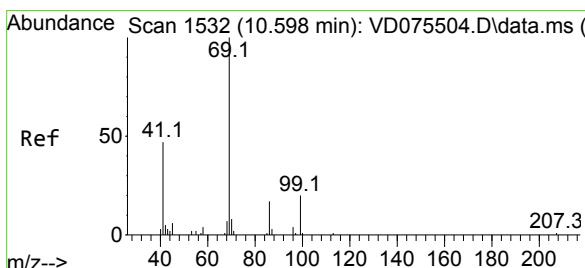
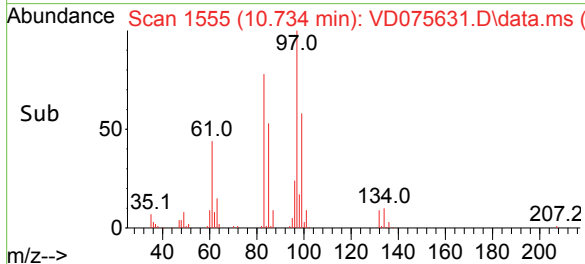
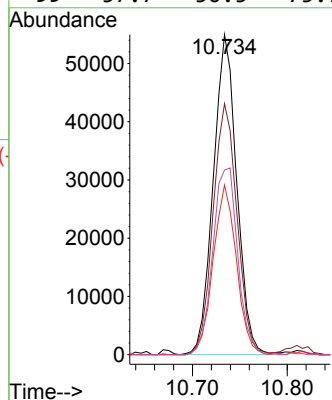
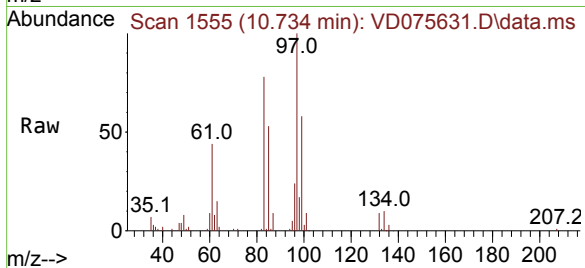
Ion Ratio Lower Upper

97 100

83 78.4 74.2 111.4

85 53.0 45.4 68.0

99 57.7 50.5 75.7



#56

Ethyl methacrylate

Concen: 56.855 ug/l

RT: 10.598 min Scan# 1532

Delta R.T. -0.000 min

Lab File: VD075631.D

Acq: 11 Apr 2023 20:37

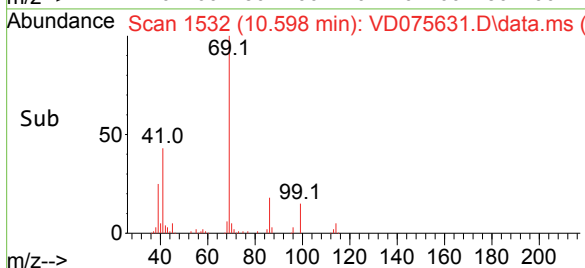
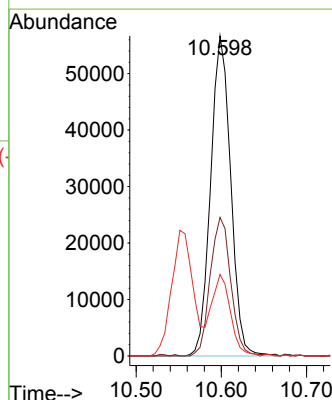
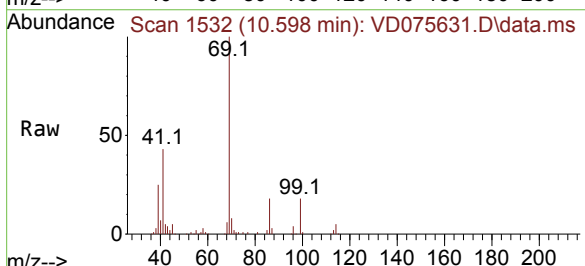
Tgt Ion: 69 Resp: 92808

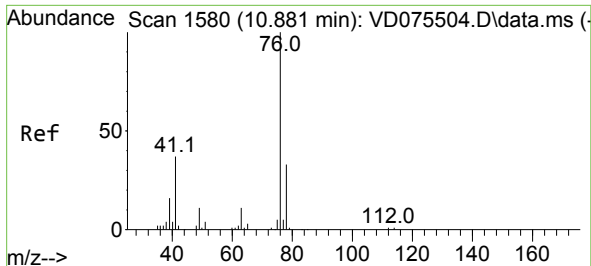
Ion Ratio Lower Upper

69 100

41 44.5 59.3 88.9#

39 23.5 36.0 54.0#





#57

1,3-Dichloropropane

Concen: 54.362 ug/l

RT: 10.881 min Scan# 1580

Delta R.T. -0.000 min

Lab File: VD075631.D

Acq: 11 Apr 2023 20:37

Instrument :

MSVOA\_D

ClientSampleId :

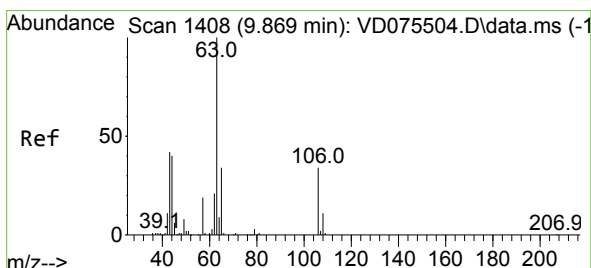
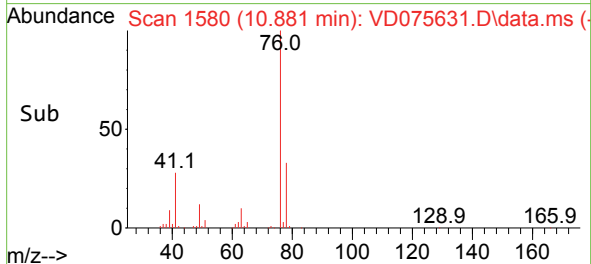
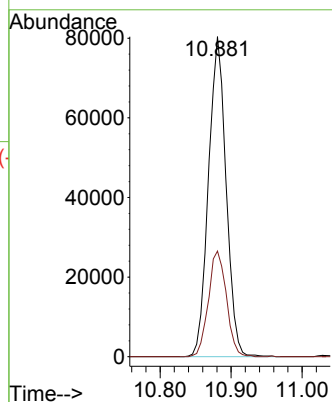
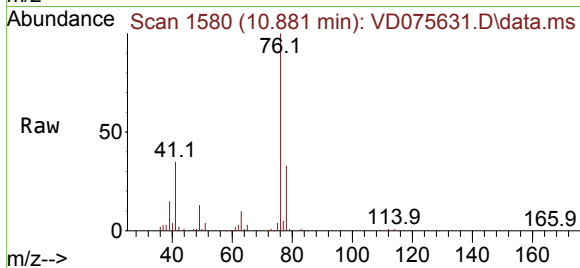
VSTDCCC050EC

Tgt Ion: 76 Resp: 138624

Ion Ratio Lower Upper

76 100

78 33.7 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 295.221 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. -0.000 min

Lab File: VD075631.D

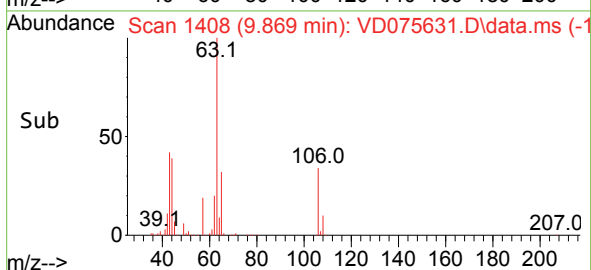
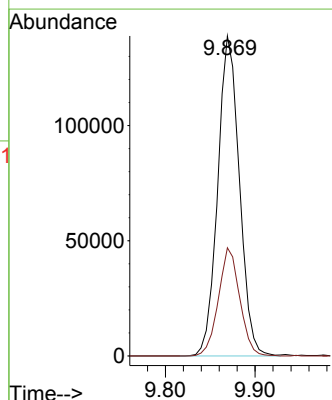
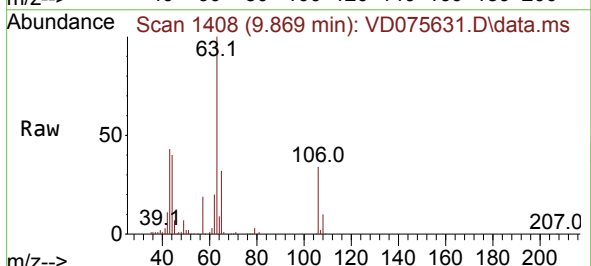
Acq: 11 Apr 2023 20:37

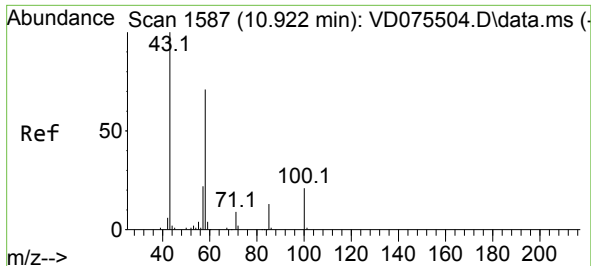
Tgt Ion: 63 Resp: 232998

Ion Ratio Lower Upper

63 100

106 33.2 21.4 32.2#

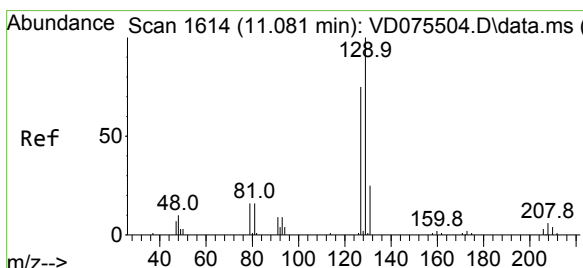
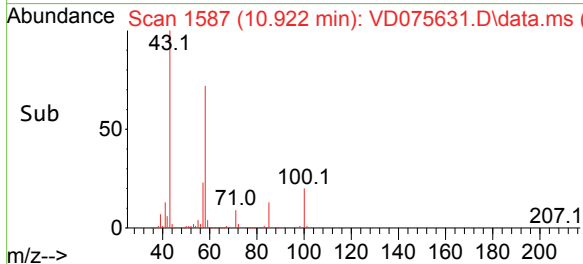
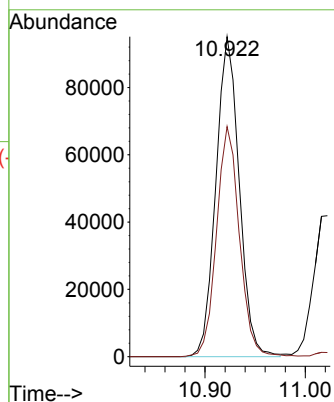
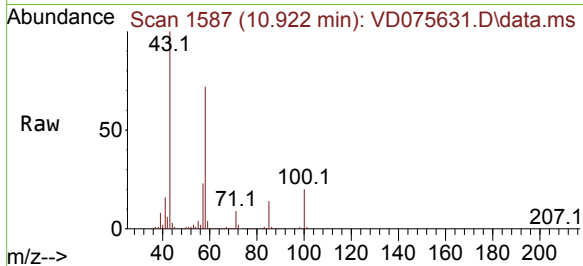




#59  
2-Hexanone  
Concen: 286.696 ug/l  
RT: 10.922 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

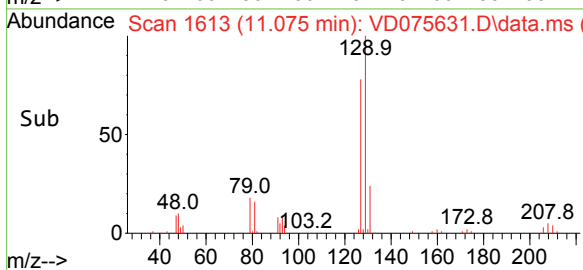
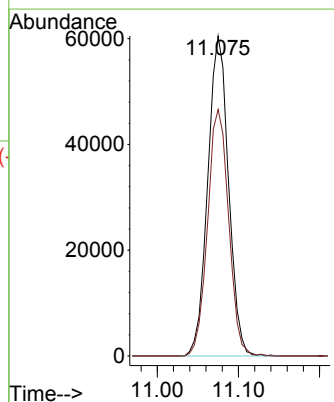
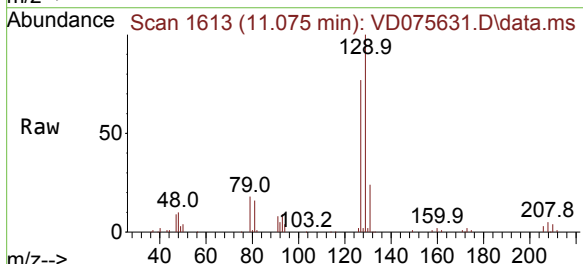
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

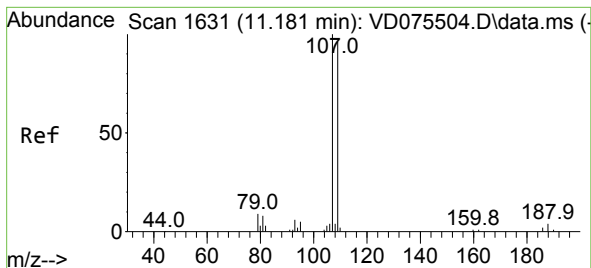
Tgt Ion: 43 Resp: 153552  
Ion Ratio Lower Upper  
43 100  
58 70.6 25.3 75.8



#60  
Dibromochloromethane  
Concen: 53.112 ug/l  
RT: 11.075 min Scan# 1613  
Delta R.T. -0.000 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

Tgt Ion: 129 Resp: 107395  
Ion Ratio Lower Upper  
129 100  
127 78.1 38.1 114.5





#61

1,2-Dibromoethane

Concen: 52.347 ug/l

RT: 11.181 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD075631.D

Acq: 11 Apr 2023 20:37

Instrument :

MSVOA\_D

ClientSampleId :

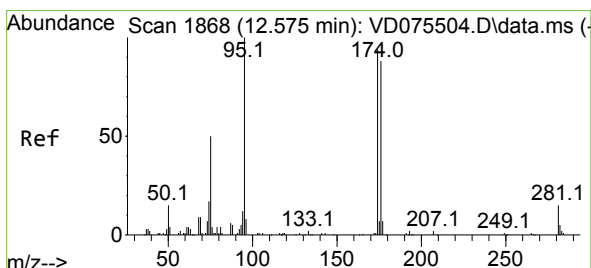
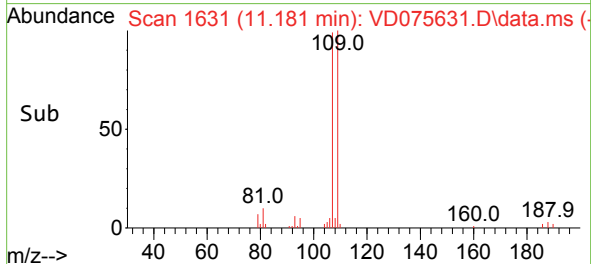
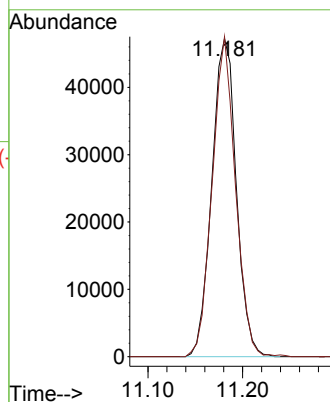
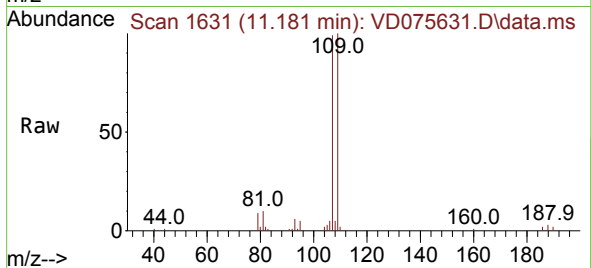
VSTDCCC050EC

Tgt Ion:107 Resp: 84730

Ion Ratio Lower Upper

107 100

109 95.8 73.6 110.4



#62

4-Bromofluorobenzene

Concen: 53.653 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD075631.D

Acq: 11 Apr 2023 20:37

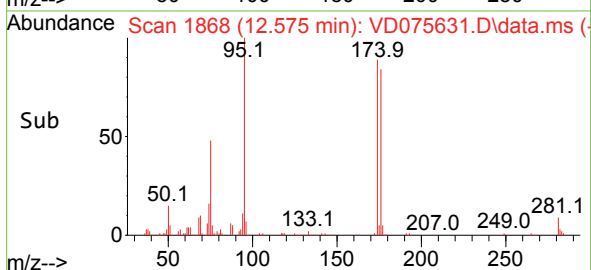
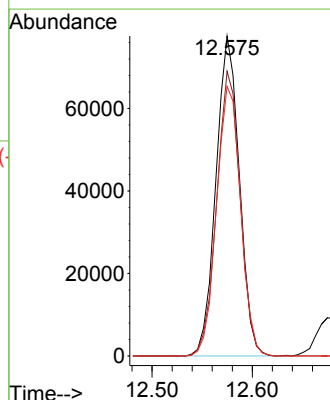
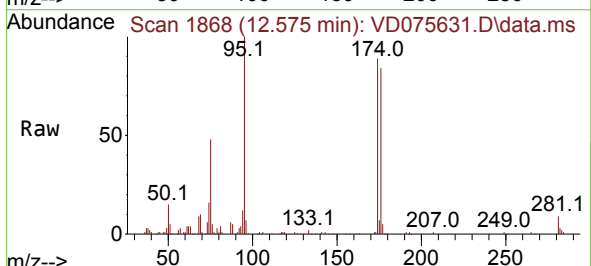
Tgt Ion: 95 Resp: 125632

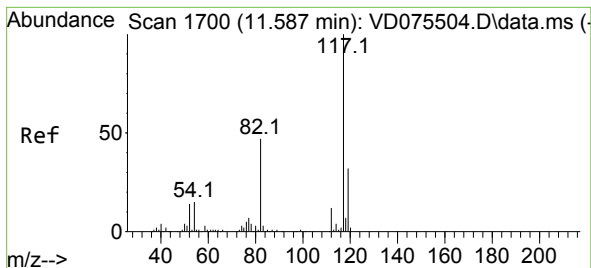
Ion Ratio Lower Upper

95 100

174 89.0 0.0 164.0

176 86.6 0.0 156.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD075631.D

Acq: 11 Apr 2023 20:37

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

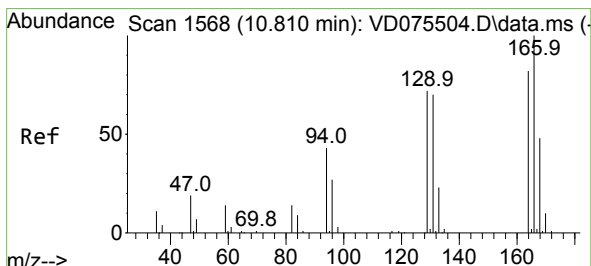
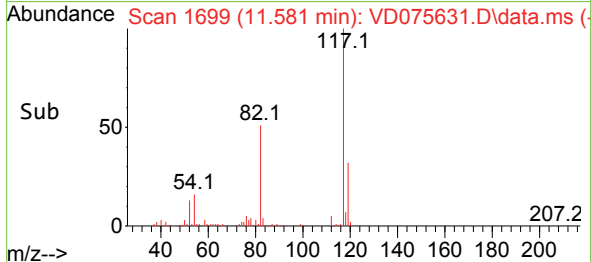
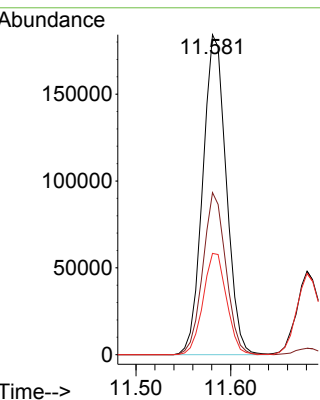
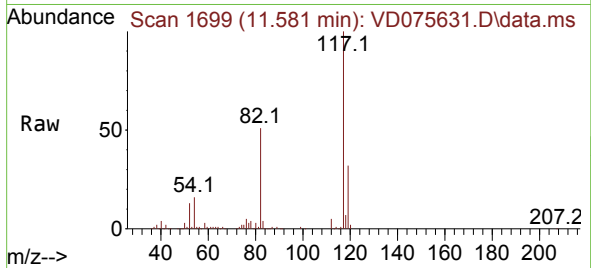
Tgt Ion:117 Resp: 317232

Ion Ratio Lower Upper

117 100

82 50.6 44.0 66.0

119 31.6 25.1 37.7



#64

Tetrachloroethene

Concen: 50.885 ug/l

RT: 10.810 min Scan# 1568

Delta R.T. -0.000 min

Lab File: VD075631.D

Acq: 11 Apr 2023 20:37

Tgt Ion:164 Resp: 97091

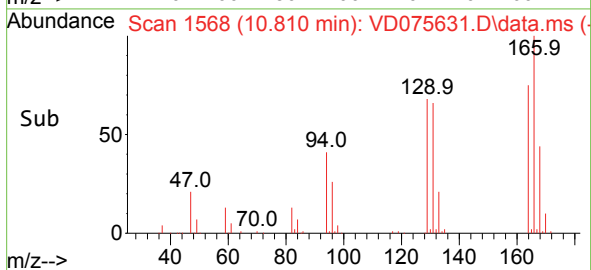
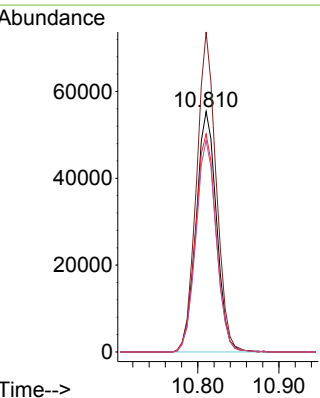
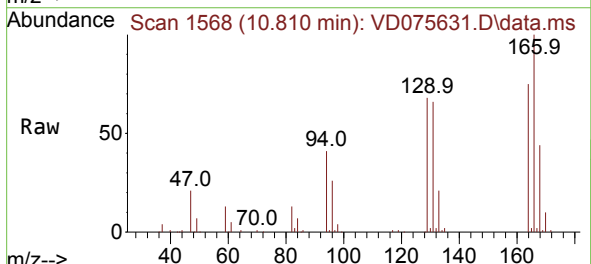
Ion Ratio Lower Upper

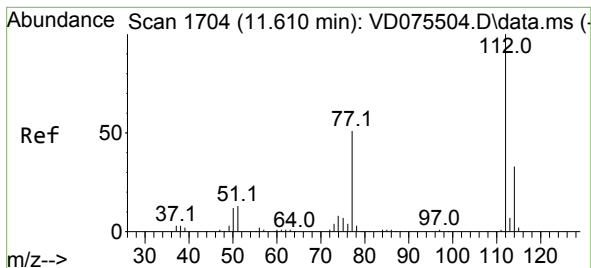
164 100

166 133.1 94.9 142.3

129 90.7 73.0 109.6

131 87.9 69.2 103.8





#65

Chlorobenzene

Concen: 51.072 ug/l

RT: 11.610 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD075631.D

Acq: 11 Apr 2023 20:37

Instrument :

MSVOA\_D

ClientSampleId :

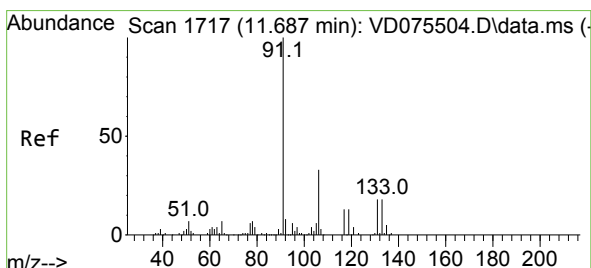
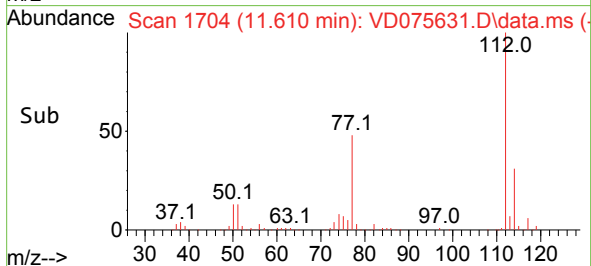
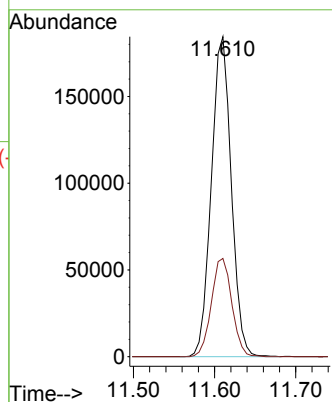
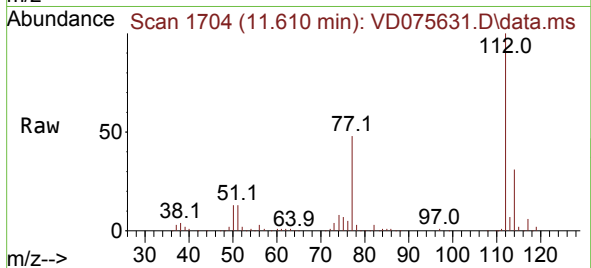
VSTDCCC050EC

Tgt Ion:112 Resp: 314494

Ion Ratio Lower Upper

112 100

114 30.7 25.8 38.8



#66

1,1,1,2-Tetrachloroethane

Concen: 51.080 ug/l

RT: 11.681 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VD075631.D

Acq: 11 Apr 2023 20:37

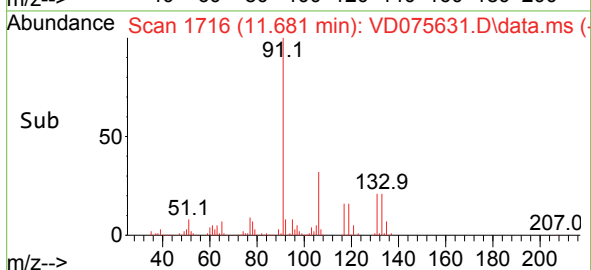
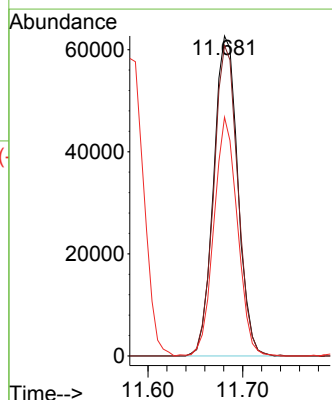
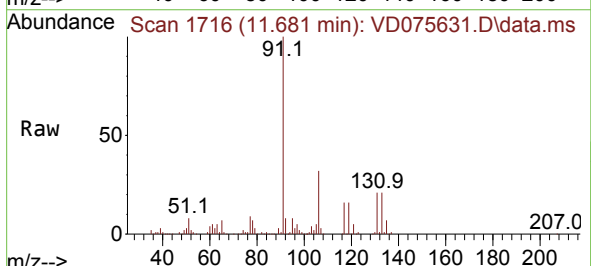
Tgt Ion:131 Resp: 111232

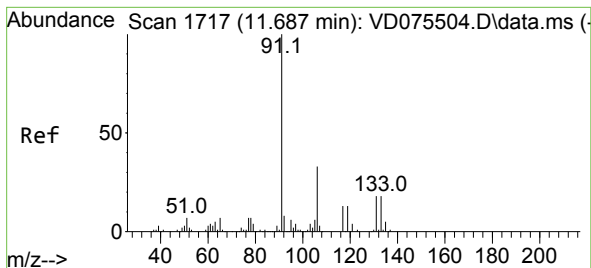
Ion Ratio Lower Upper

131 100

133 97.0 46.7 140.0

119 72.7 31.9 95.9





#67

Ethyl Benzene

Concen: 51.743 ug/l

RT: 11.687 min Scan# 1717

Delta R.T. -0.000 min

Lab File: VD075631.D

Acq: 11 Apr 2023 20:37

Instrument :

MSVOA\_D

ClientSampleId :

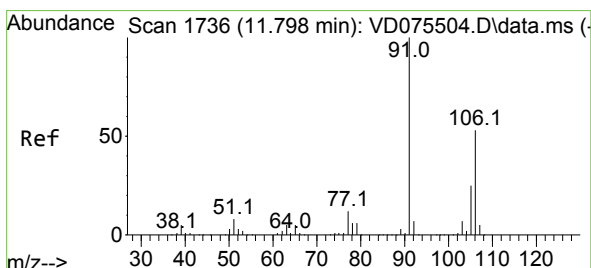
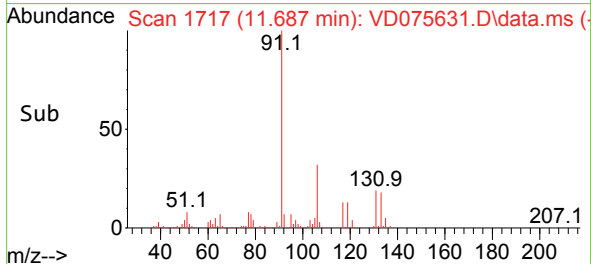
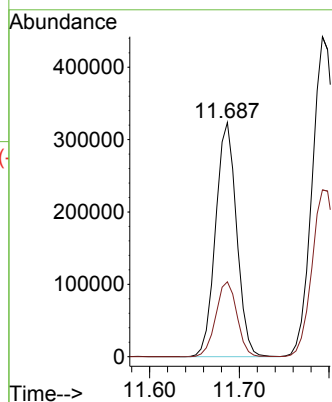
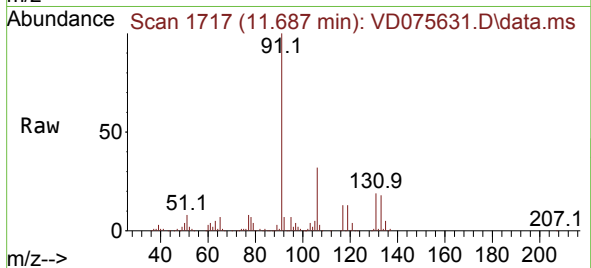
VSTDCCC050EC

Tgt Ion: 91 Resp: 525702

Ion Ratio Lower Upper

91 100

106 31.9 24.5 36.7



#68

m/p-Xylenes

Concen: 104.994 ug/l

RT: 11.793 min Scan# 1735

Delta R.T. -0.006 min

Lab File: VD075631.D

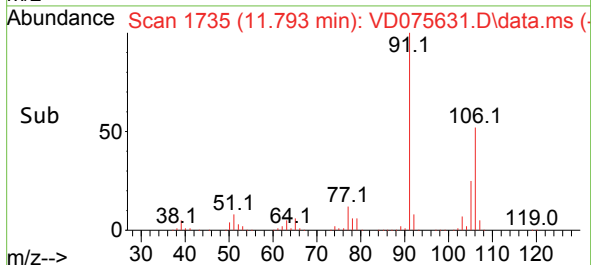
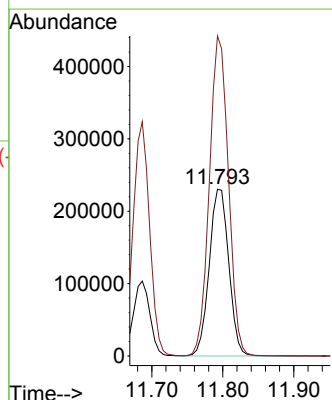
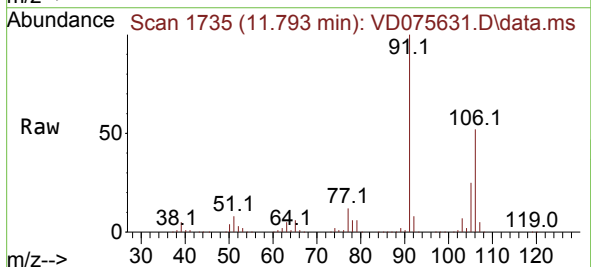
Acq: 11 Apr 2023 20:37

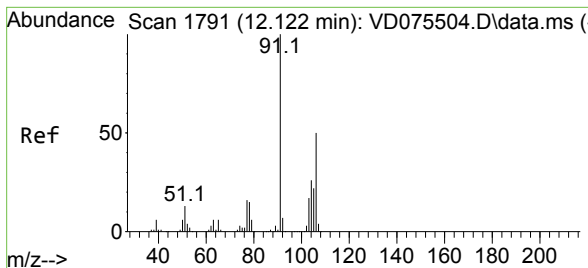
Tgt Ion: 106 Resp: 439368

Ion Ratio Lower Upper

106 100

91 187.2 161.5 242.3

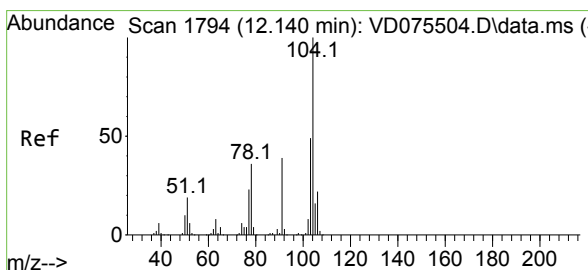
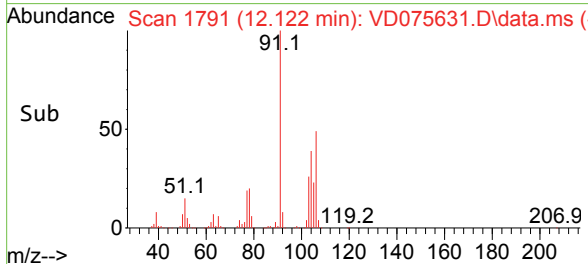
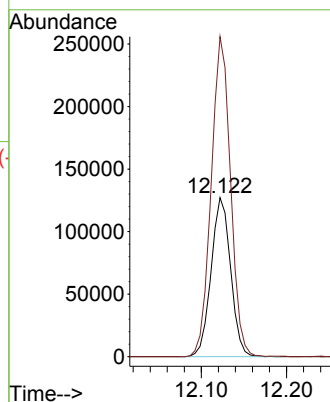
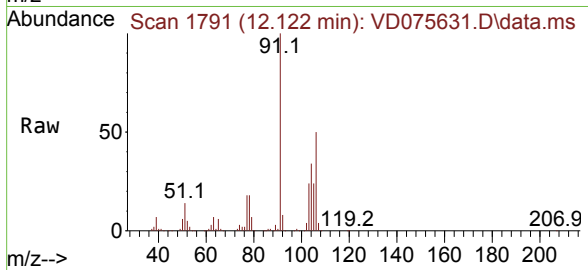




#69  
o-Xylene  
Concen: 49.666 ug/l  
RT: 12.122 min Scan# 1791  
Delta R.T. -0.000 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

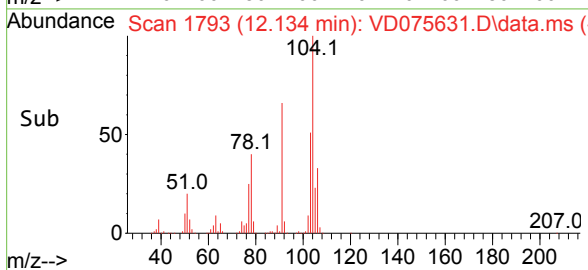
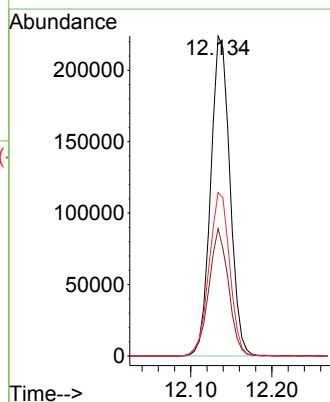
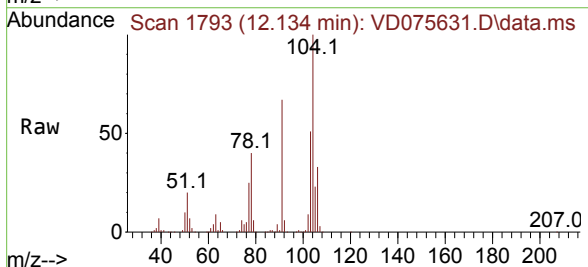
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

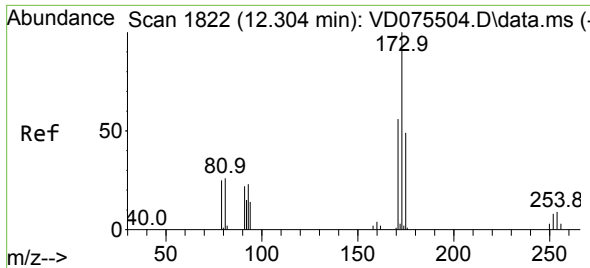
Tgt Ion:106 Resp: 202091  
Ion Ratio Lower Upper  
106 100  
91 199.7 105.7 317.1



#70  
Styrene  
Concen: 52.972 ug/l  
RT: 12.134 min Scan# 1793  
Delta R.T. -0.006 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

Tgt Ion:104 Resp: 368218  
Ion Ratio Lower Upper  
104 100  
78 40.7 40.2 60.4  
103 54.9 44.2 66.2

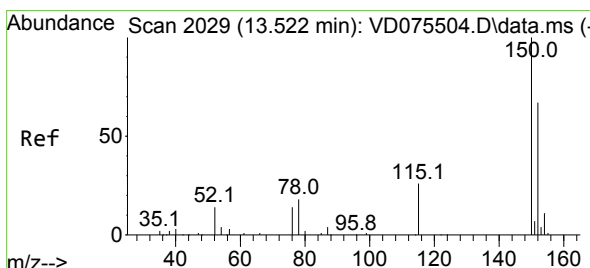
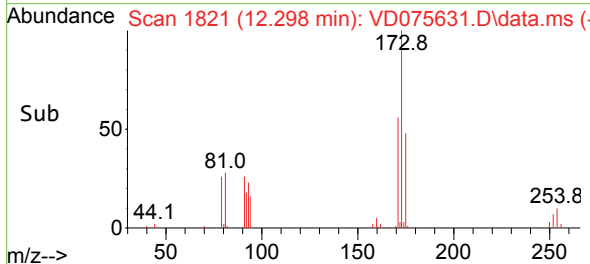
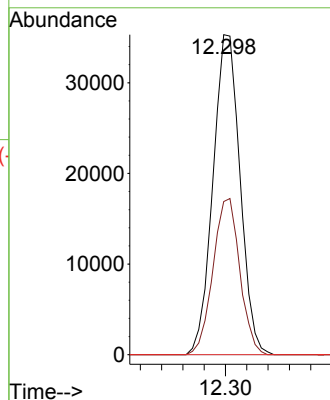
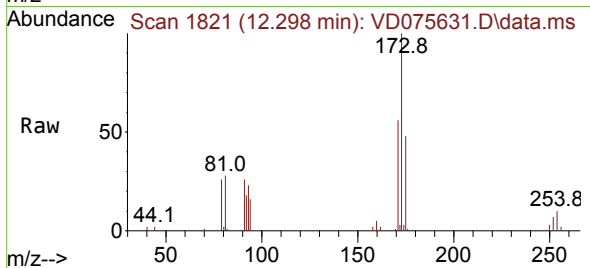




#71  
Bromoform  
Concen: 55.338 ug/l  
RT: 12.298 min Scan# 1821  
Delta R.T. -0.006 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

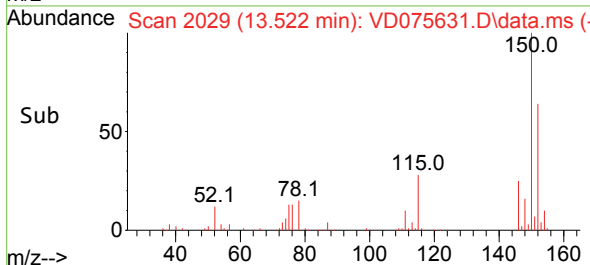
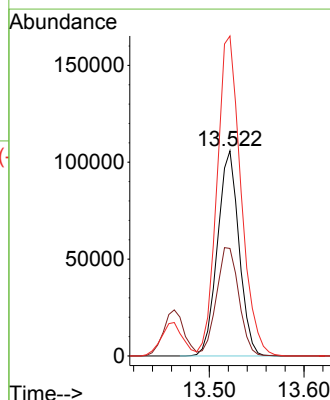
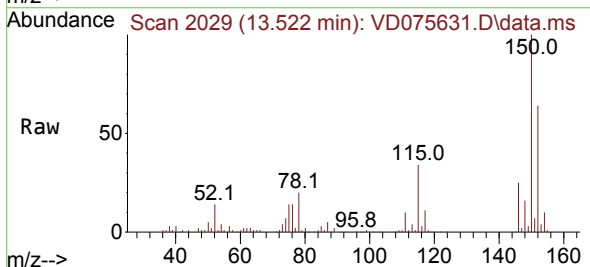
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

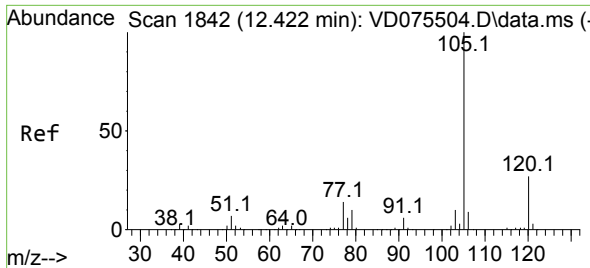
Tgt Ion:173 Resp: 62285  
Ion Ratio Lower Upper  
173 100  
175 48.3 23.5 70.5  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.522 min Scan# 2029  
Delta R.T. -0.000 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

Tgt Ion:152 Resp: 167427  
Ion Ratio Lower Upper  
152 100  
115 55.4 30.1 90.3  
150 173.3 0.0 364.8

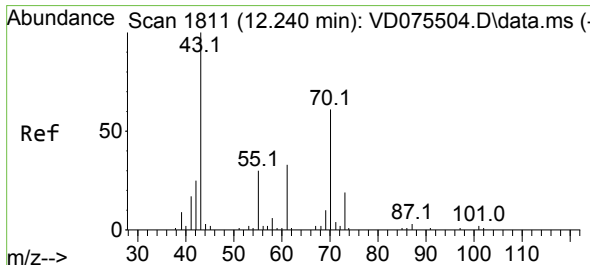
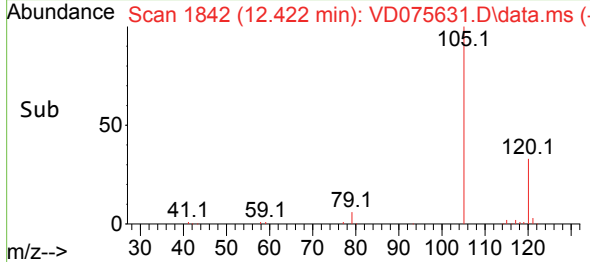
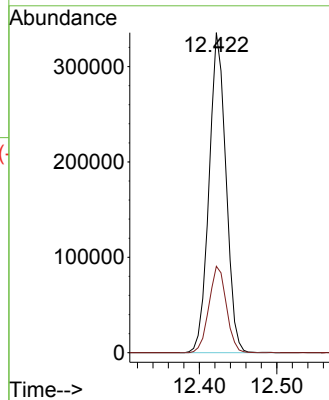
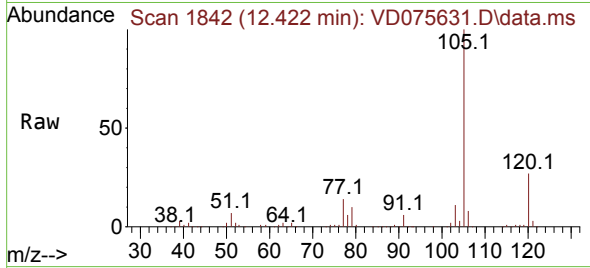




#73  
Isopropylbenzene  
Concen: 48.895 ug/l  
RT: 12.422 min Scan# 1842  
Delta R.T. -0.000 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

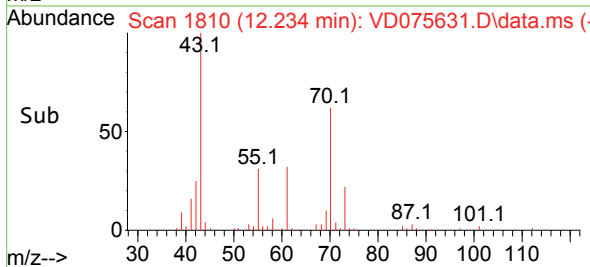
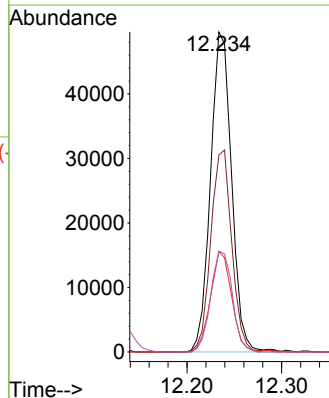
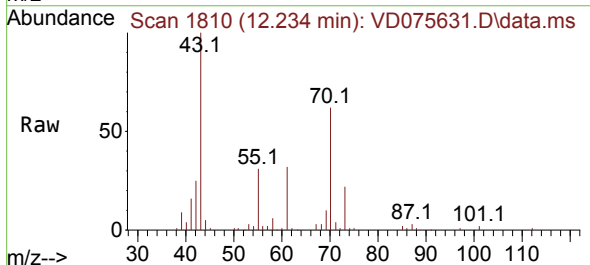
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

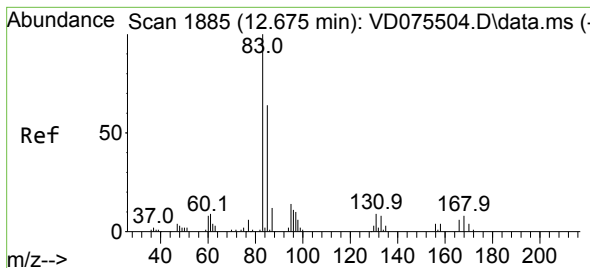
Tgt Ion:105 Resp: 507999  
Ion Ratio Lower Upper  
105 100  
120 27.8 13.4 40.1



#74  
N-ethyl acetate  
Concen: 52.493 ug/l  
RT: 12.234 min Scan# 1810  
Delta R.T. -0.006 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

Tgt Ion: 43 Resp: 76491  
Ion Ratio Lower Upper  
43 100  
70 63.1 31.0 46.4#  
55 31.5 18.6 28.0#  
61 32.2 17.1 25.7#





#75

1,1,2,2-Tetrachloroethane

Concen: 52.919 ug/l

RT: 12.675 min Scan# 1885

Delta R.T. -0.000 min

Lab File: VD075631.D

Acq: 11 Apr 2023 20:37

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

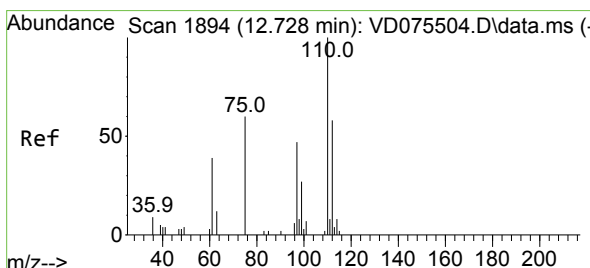
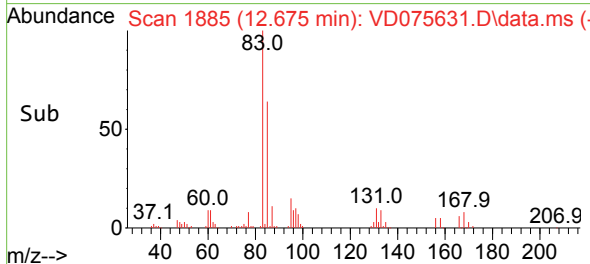
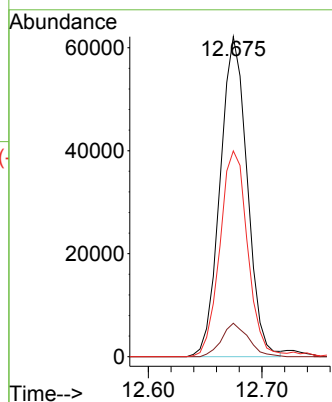
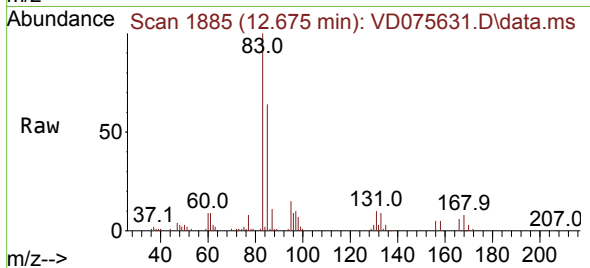
Tgt Ion: 83 Resp: 102841

Ion Ratio Lower Upper

83 100

131 10.3 5.1 15.2

85 66.0 33.6 100.6



#76

1,2,3-Trichloropropane

Concen: 86.054 ug/l

RT: 12.722 min Scan# 1893

Delta R.T. -0.006 min

Lab File: VD075631.D

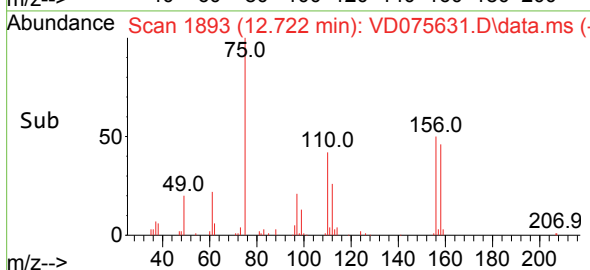
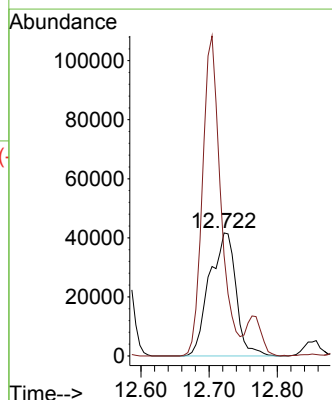
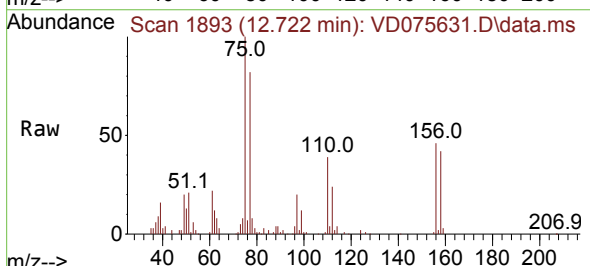
Acq: 11 Apr 2023 20:37

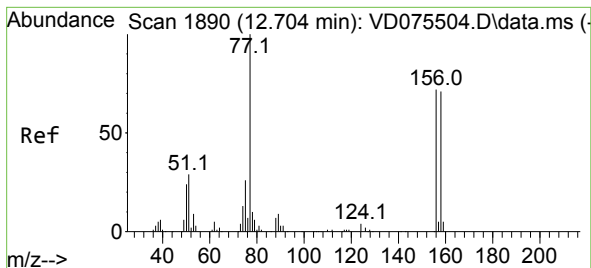
Tgt Ion: 75 Resp: 112757

Ion Ratio Lower Upper

75 100

77 178.6 0.0 0.0#





#77

Bromobenzene

Concen: 48.982 ug/l

RT: 12.704 min Scan# 1890

Delta R.T. -0.000 min

Lab File: VD075631.D

Acq: 11 Apr 2023 20:37

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

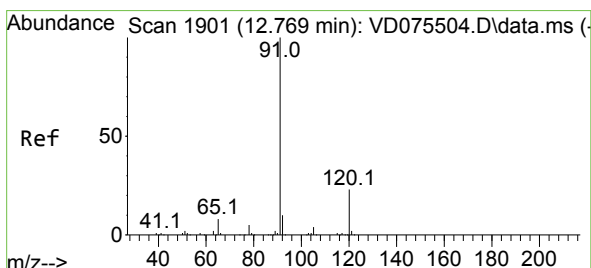
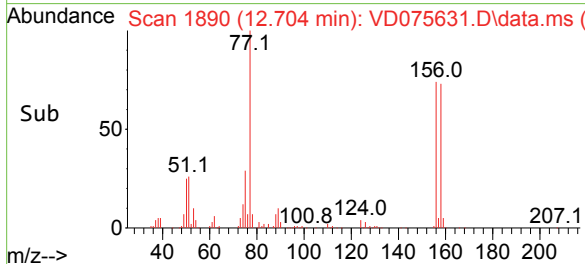
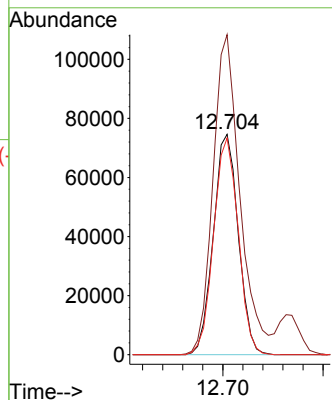
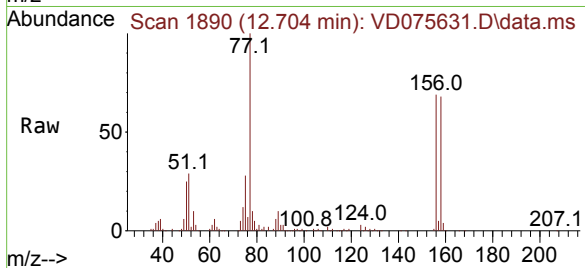
Tgt Ion:156 Resp: 128453

Ion Ratio Lower Upper

156 100

77 156.8 89.5 268.6

158 97.2 47.8 143.4



#78

n-propylbenzene

Concen: 50.166 ug/l

RT: 12.763 min Scan# 1900

Delta R.T. -0.006 min

Lab File: VD075631.D

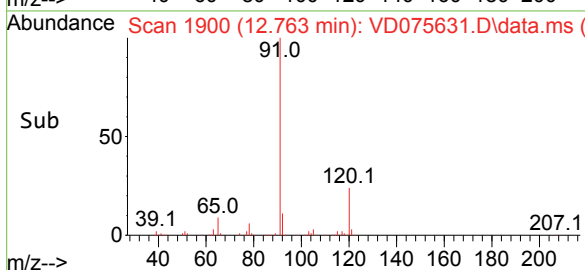
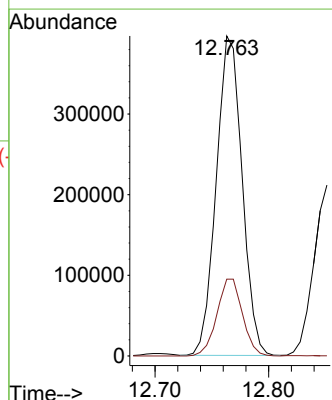
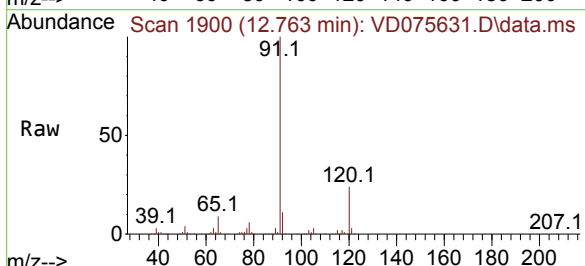
Acq: 11 Apr 2023 20:37

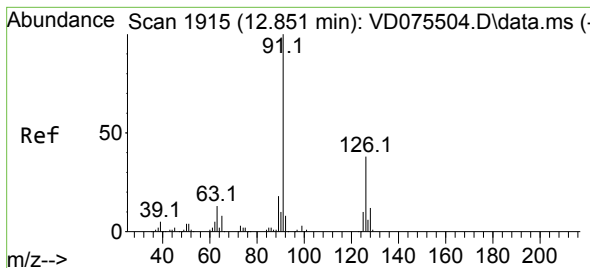
Tgt Ion: 91 Resp: 626672

Ion Ratio Lower Upper

91 100

120 23.8 11.4 34.2





#79

2-Chlorotoluene

Concen: 49.605 ug/l

RT: 12.851 min Scan# 1915

Delta R.T. -0.000 min

Lab File: VD075631.D

Acq: 11 Apr 2023 20:37

Instrument :

MSVOA\_D

ClientSampleId :

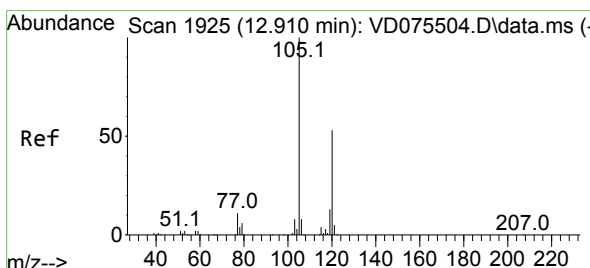
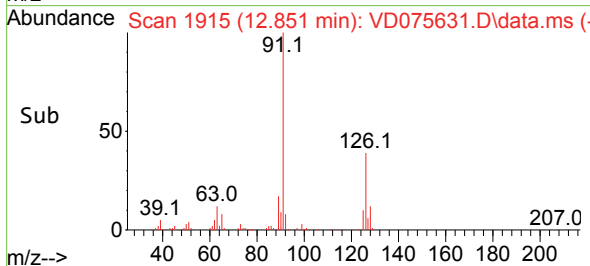
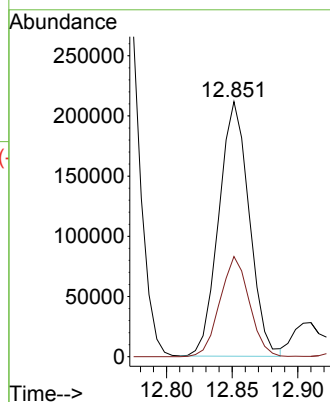
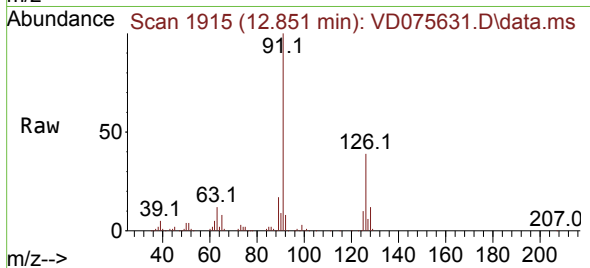
VSTDCCC050EC

Tgt Ion: 91 Resp: 342721

Ion Ratio Lower Upper

91 100

126 37.9 16.8 50.3



#80

1,3,5-Trimethylbenzene

Concen: 51.092 ug/l

RT: 12.904 min Scan# 1924

Delta R.T. -0.006 min

Lab File: VD075631.D

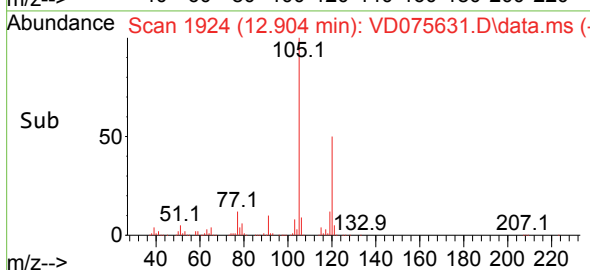
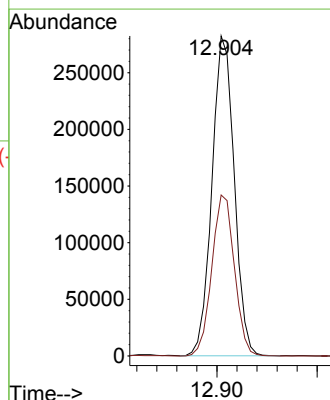
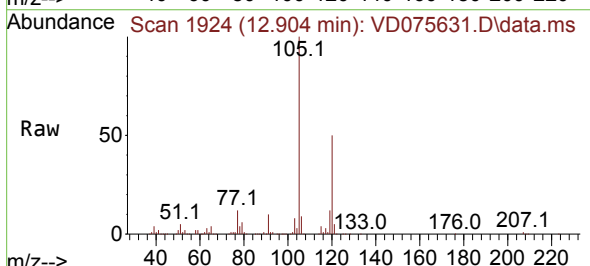
Acq: 11 Apr 2023 20:37

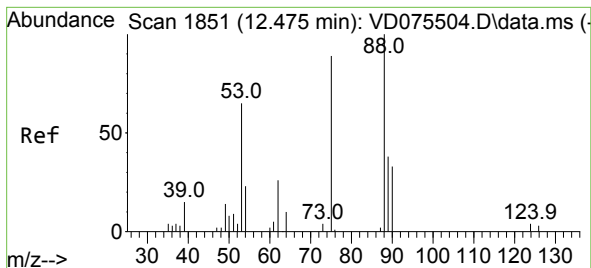
Tgt Ion: 105 Resp: 434744

Ion Ratio Lower Upper

105 100

120 51.2 24.3 72.8

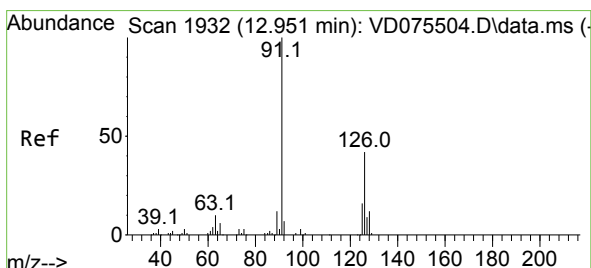
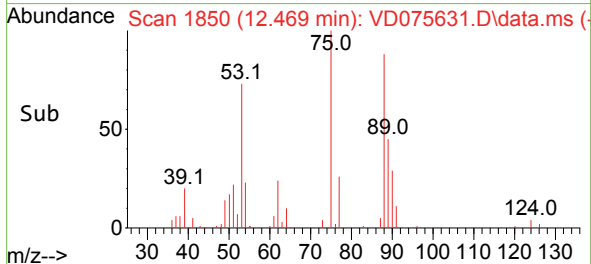
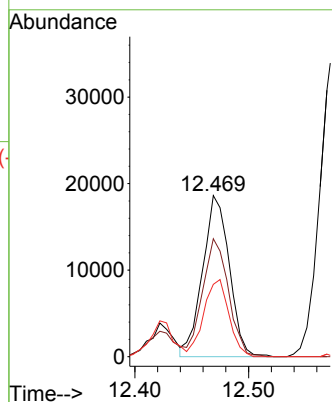
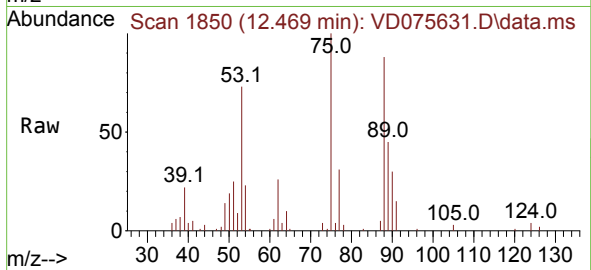




#81  
trans-1,4-Dichloro-2-butene  
Concen: 53.079 ug/l  
RT: 12.469 min Scan# 1850  
Delta R.T. -0.000 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

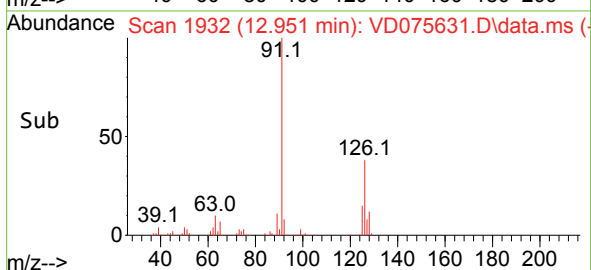
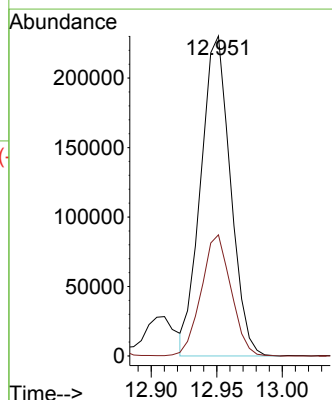
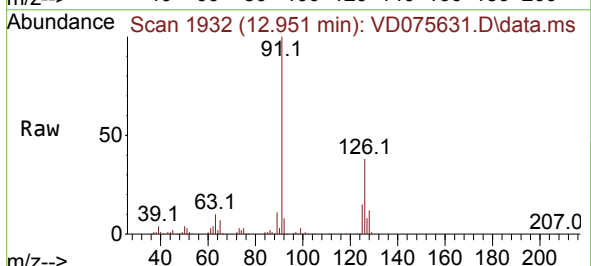
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

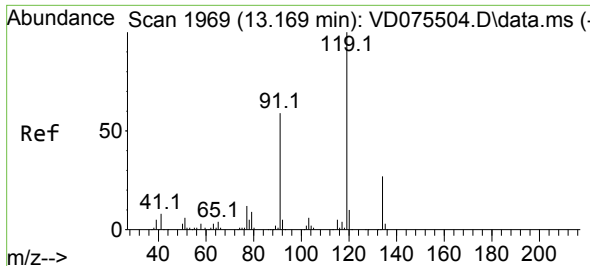
Tgt Ion: 75 Resp: 30346  
Ion Ratio Lower Upper  
75 100  
53 70.7 90.5 135.7#  
89 45.1 40.2 60.4



#82  
4-Chlorotoluene  
Concen: 50.647 ug/l  
RT: 12.951 min Scan# 1932  
Delta R.T. -0.000 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

Tgt Ion: 91 Resp: 362986  
Ion Ratio Lower Upper  
91 100  
126 38.0 17.1 51.2

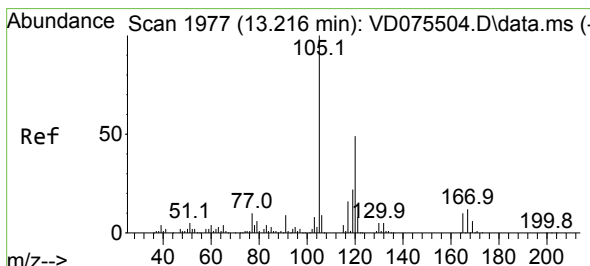
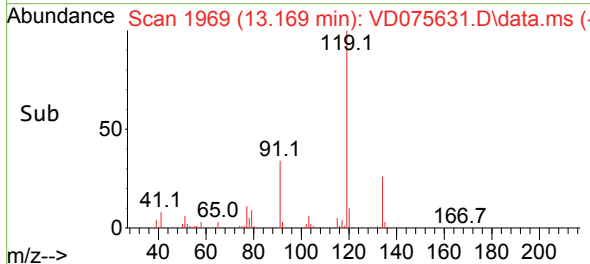
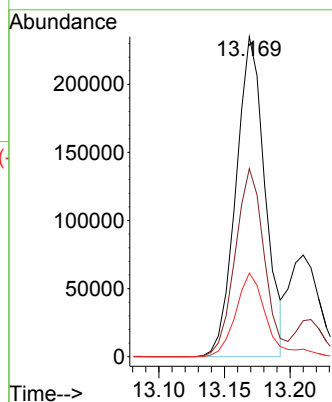
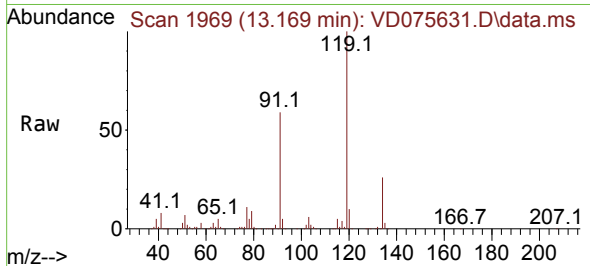




#83  
tert-Butylbenzene  
Concen: 49.079 ug/l  
RT: 13.169 min Scan# 1969  
Delta R.T. -0.000 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

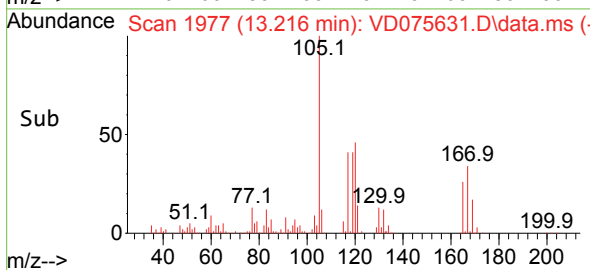
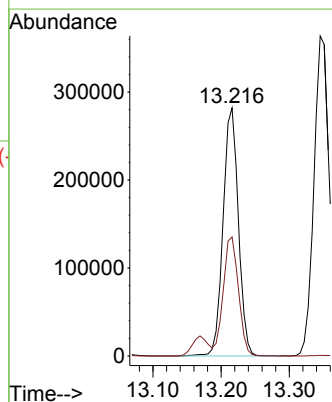
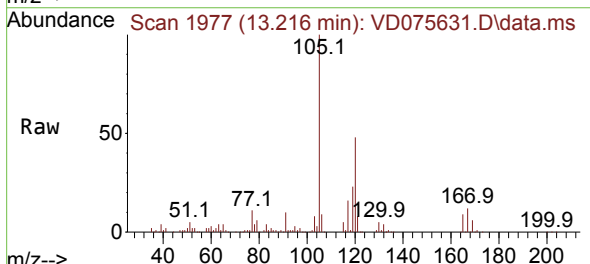
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

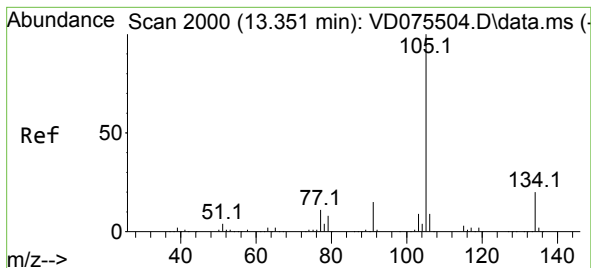
Tgt Ion:119 Resp: 362597  
Ion Ratio Lower Upper  
119 100  
91 59.3 32.4 97.0  
134 27.9 13.0 39.0



#84  
1,2,4-Trimethylbenzene  
Concen: 51.288 ug/l  
RT: 13.216 min Scan# 1977  
Delta R.T. -0.000 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

Tgt Ion:105 Resp: 440704  
Ion Ratio Lower Upper  
105 100  
120 47.8 22.3 66.9





#85

sec-Butylbenzene

Concen: 50.337 ug/l

RT: 13.345 min Scan# 1999

Delta R.T. -0.006 min

Lab File: VD075631.D

Acq: 11 Apr 2023 20:37

Instrument :

MSVOA\_D

ClientSampleId :

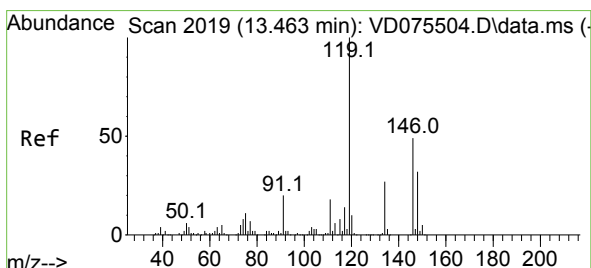
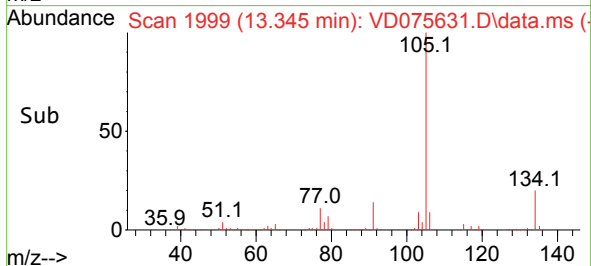
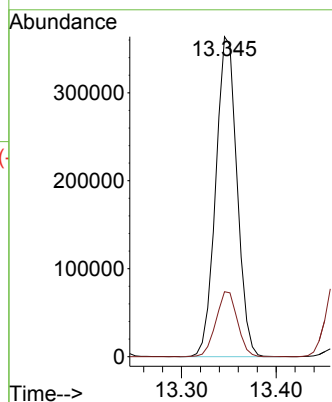
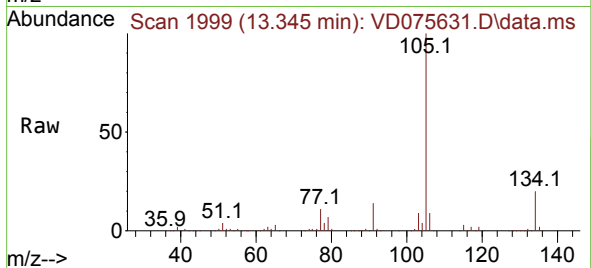
VSTDCCC050EC

Tgt Ion:105 Resp: 568316

Ion Ratio Lower Upper

105 100

134 20.5 9.9 29.7



#86

p-Isopropyltoluene

Concen: 50.366 ug/l

RT: 13.463 min Scan# 2019

Delta R.T. -0.000 min

Lab File: VD075631.D

Acq: 11 Apr 2023 20:37

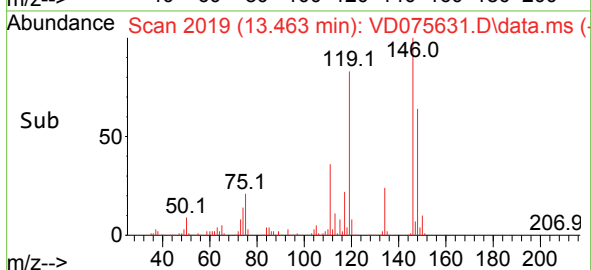
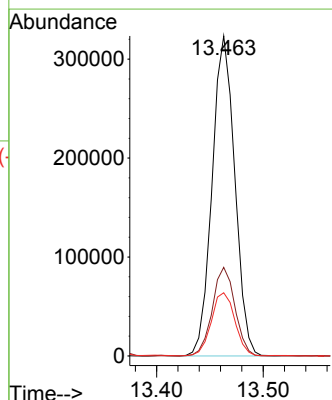
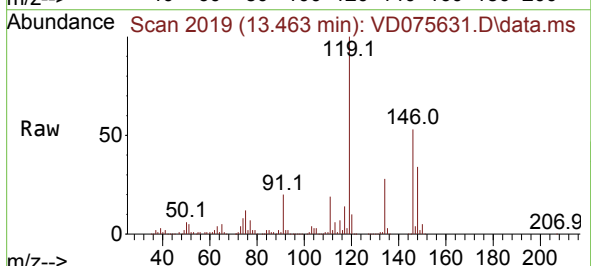
Tgt Ion:119 Resp: 478011

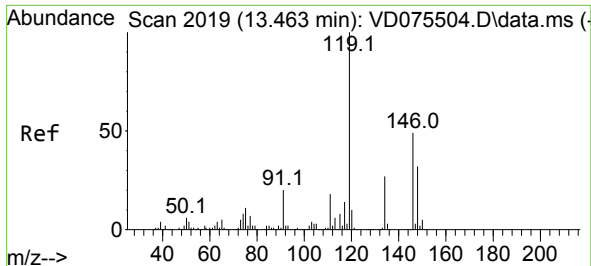
Ion Ratio Lower Upper

119 100

134 27.7 13.1 39.3

91 20.4 12.4 37.4

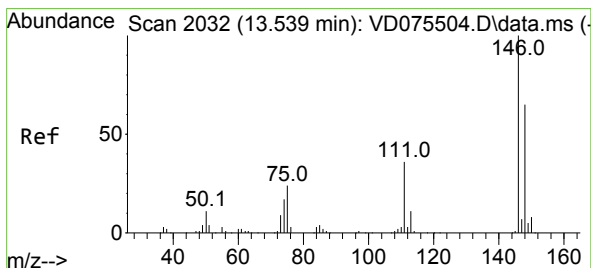
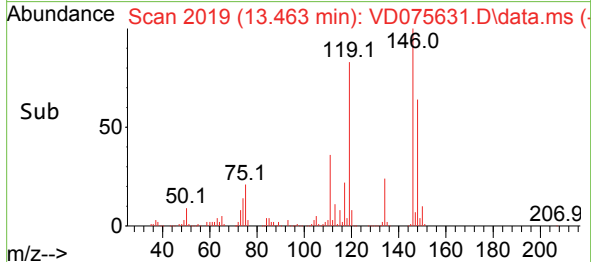
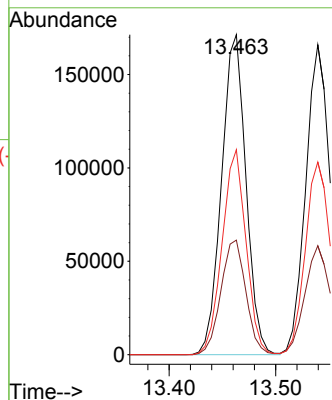
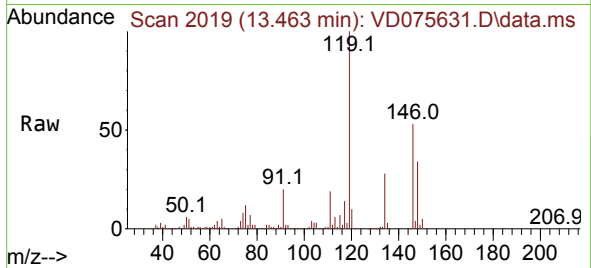




#87  
1,3-Dichlorobenzene  
Concen: 49.796 ug/l  
RT: 13.463 min Scan# 2019  
Delta R.T. -0.000 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

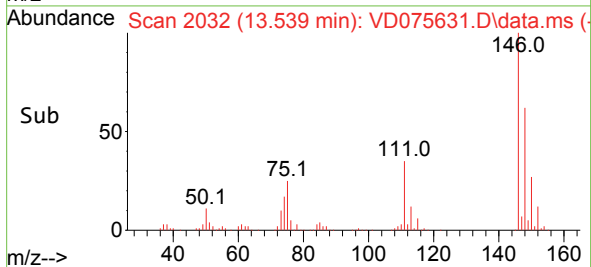
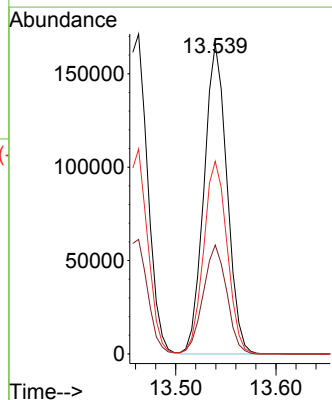
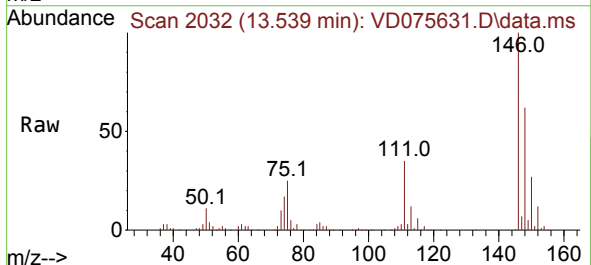
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

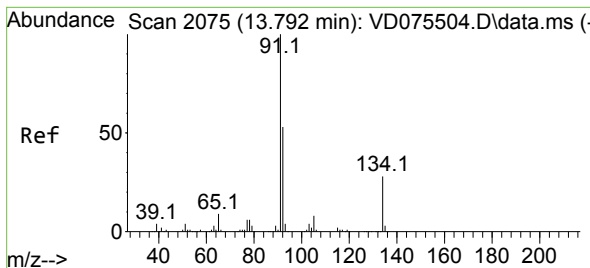
Tgt Ion:146 Resp: 272693  
Ion Ratio Lower Upper  
146 100  
111 36.7 19.8 59.3  
148 62.8 31.0 93.0



#88  
1,4-Dichlorobenzene  
Concen: 48.870 ug/l  
RT: 13.539 min Scan# 2032  
Delta R.T. -0.006 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

Tgt Ion:146 Resp: 264679  
Ion Ratio Lower Upper  
146 100  
111 36.1 19.6 58.8  
148 63.6 31.7 95.1





#89

n-Butylbenzene

Concen: 49.679 ug/l

RT: 13.792 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VD075631.D

Acq: 11 Apr 2023 20:37

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

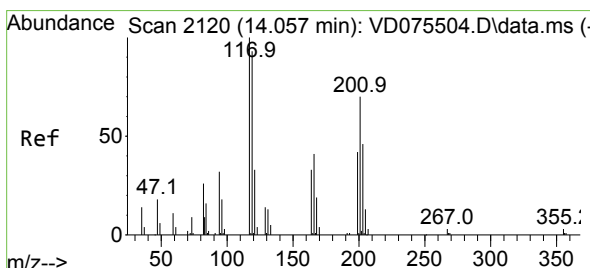
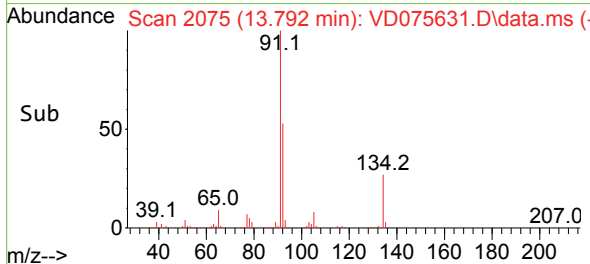
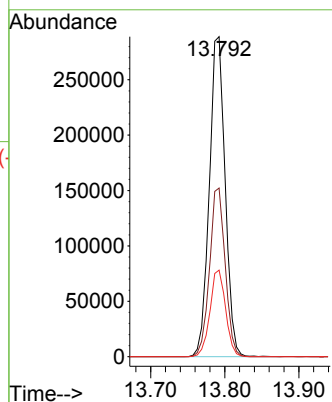
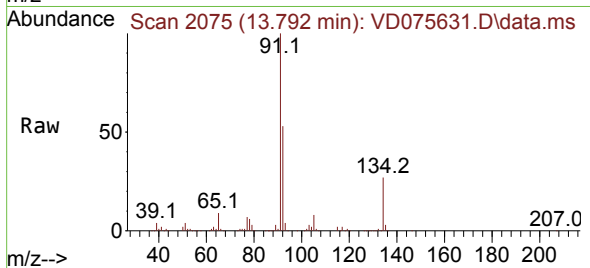
Tgt Ion: 91 Resp: 428678

Ion Ratio Lower Upper

91 100

92 52.0 26.2 78.5

134 26.7 12.7 38.0



#90

Hexachloroethane

Concen: 48.829 ug/l

RT: 14.057 min Scan# 2120

Delta R.T. -0.000 min

Lab File: VD075631.D

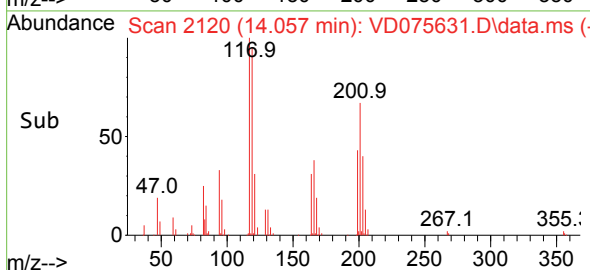
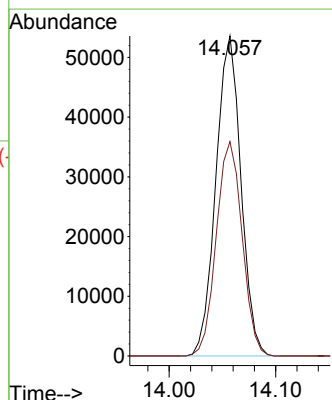
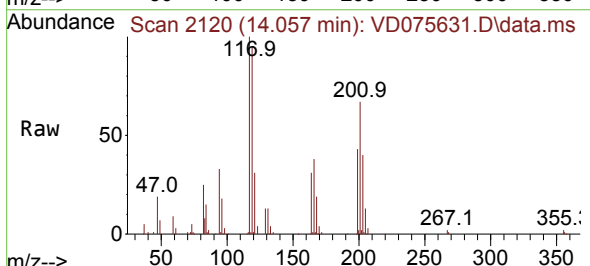
Acq: 11 Apr 2023 20:37

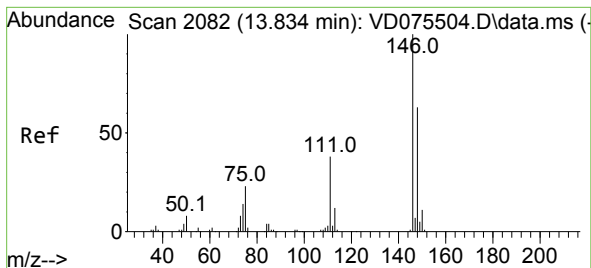
Tgt Ion: 117 Resp: 87660

Ion Ratio Lower Upper

117 100

201 68.9 34.5 103.6





#91

1,2-Dichlorobenzene

Concen: 49.378 ug/l

RT: 13.834 min Scan# 2082

Delta R.T. -0.000 min

Lab File: VD075631.D

Acq: 11 Apr 2023 20:37

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

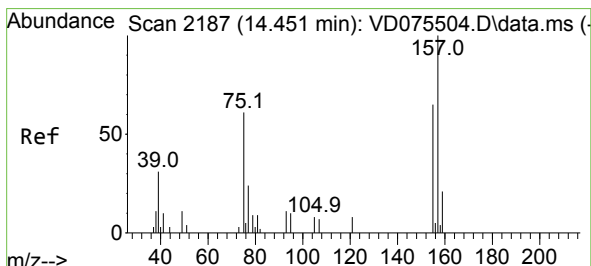
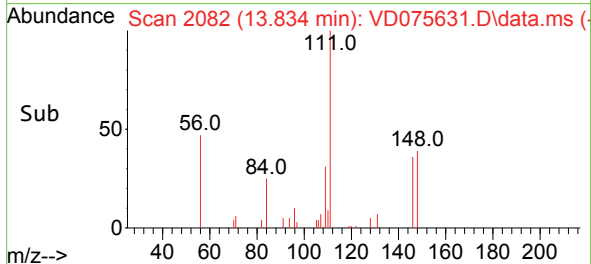
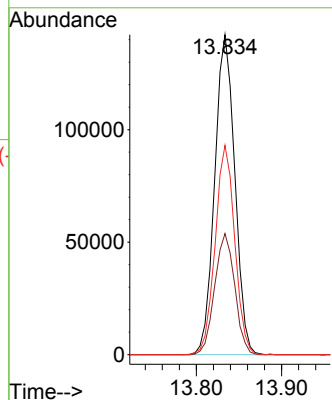
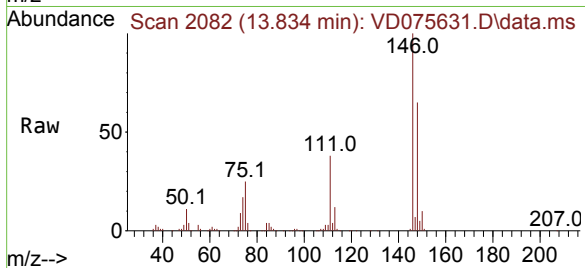
Tgt Ion:146 Resp: 233086

Ion Ratio Lower Upper

146 100

111 37.7 20.6 61.8

148 63.8 32.0 96.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 54.287 ug/l

RT: 14.451 min Scan# 2187

Delta R.T. 0.006 min

Lab File: VD075631.D

Acq: 11 Apr 2023 20:37

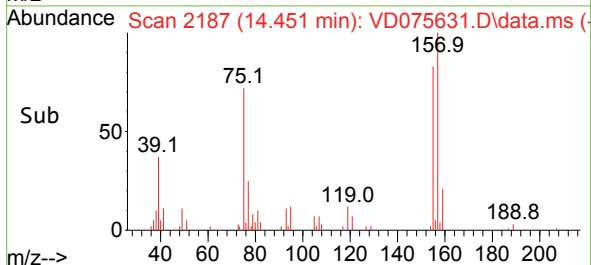
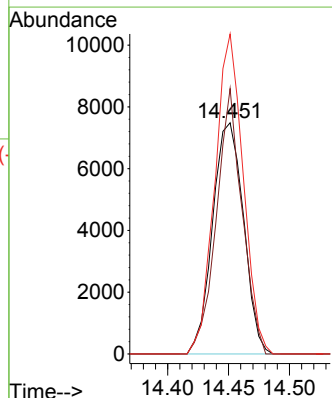
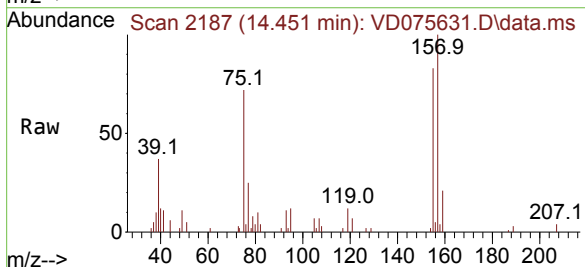
Tgt Ion: 75 Resp: 13197

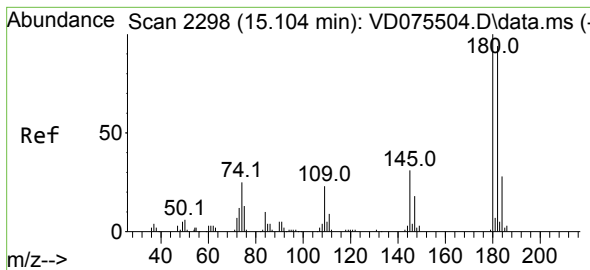
Ion Ratio Lower Upper

75 100

155 95.5 39.5 118.5

157 126.7 53.5 160.7





#93

1,2,4-Trichlorobenzene

Concen: 49.999 ug/l

RT: 15.104 min Scan# 21

Delta R.T. -0.000 min

Lab File: VD075631.D

Acq: 11 Apr 2023 20:37

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

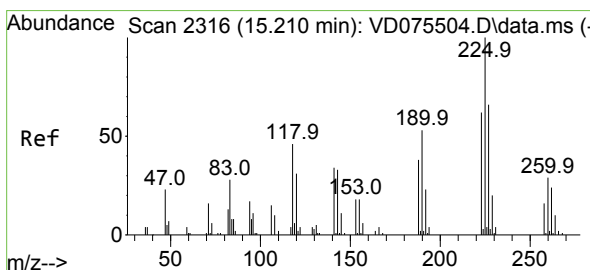
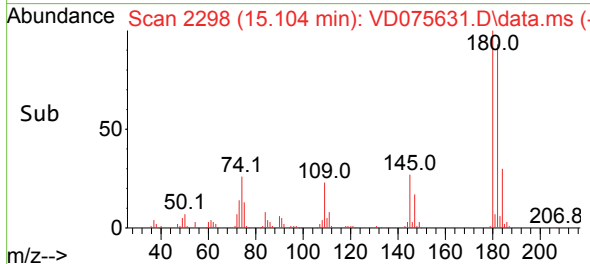
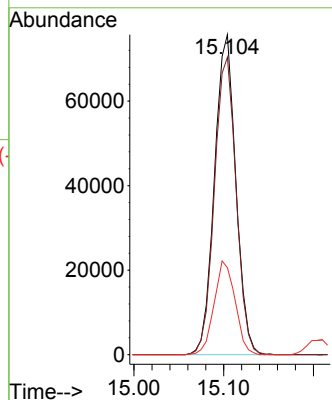
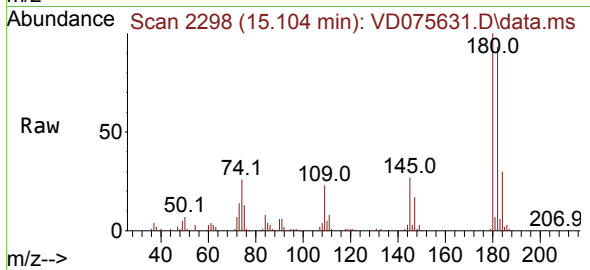
Tgt Ion:180 Resp: 125177

Ion Ratio Lower Upper

180 100

182 94.4 47.9 143.7

145 28.9 15.9 47.7



#94

Hexachlorobutadiene

Concen: 47.857 ug/l

RT: 15.204 min Scan# 2315

Delta R.T. -0.006 min

Lab File: VD075631.D

Acq: 11 Apr 2023 20:37

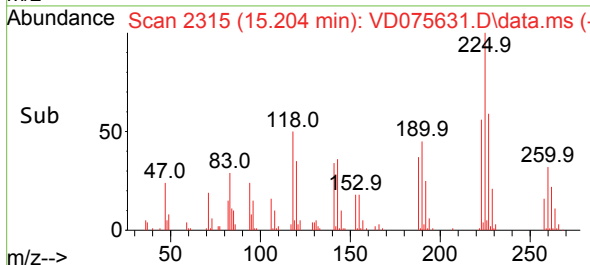
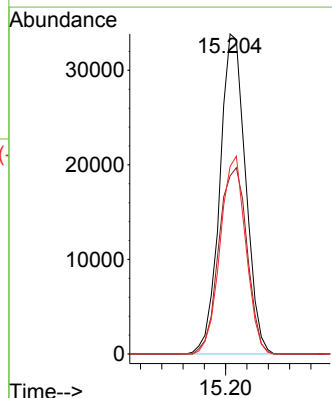
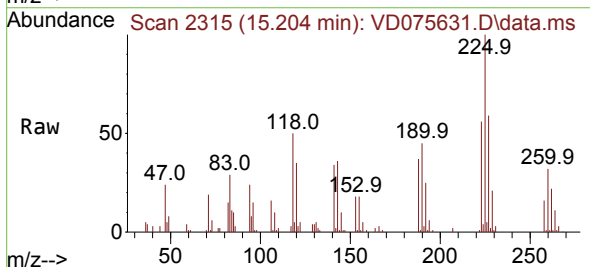
Tgt Ion:225 Resp: 56754

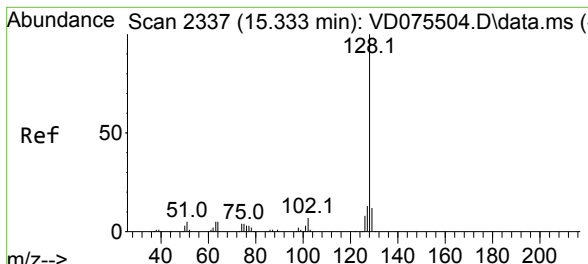
Ion Ratio Lower Upper

225 100

223 63.8 33.1 99.2

227 61.3 31.9 95.9

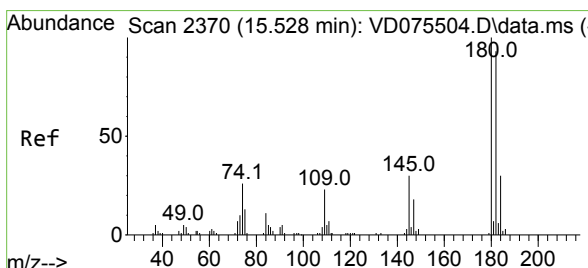
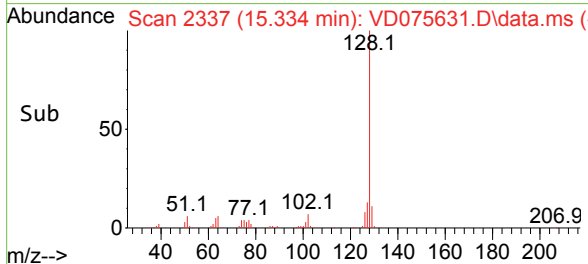
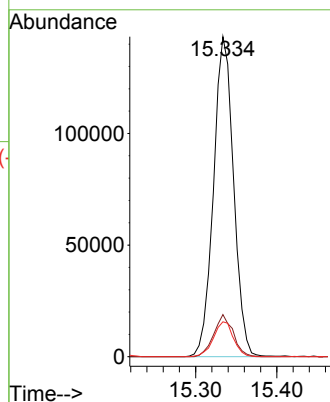
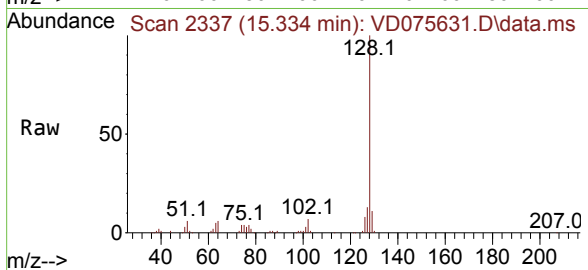




#95  
Naphthalene  
Concen: 51.917 ug/l  
RT: 15.334 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:128 Resp: 246801  
Ion Ratio Lower Upper  
128 100  
127 12.7 10.4 15.6  
129 10.9 8.8 13.2



#96  
1,2,3-Trichlorobenzene  
Concen: 50.771 ug/l  
RT: 15.522 min Scan# 2369  
Delta R.T. -0.006 min  
Lab File: VD075631.D  
Acq: 11 Apr 2023 20:37

Tgt Ion:180 Resp: 112621  
Ion Ratio Lower Upper  
180 100  
182 92.6 47.7 143.1  
145 30.7 16.4 49.4

