

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD100721\  
 Data File : VD070609.D  
 Acq On : 07 Oct 2021 11:16  
 Operator : VA/SY  
 Sample : M4061-01  
 Misc : 5.18G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

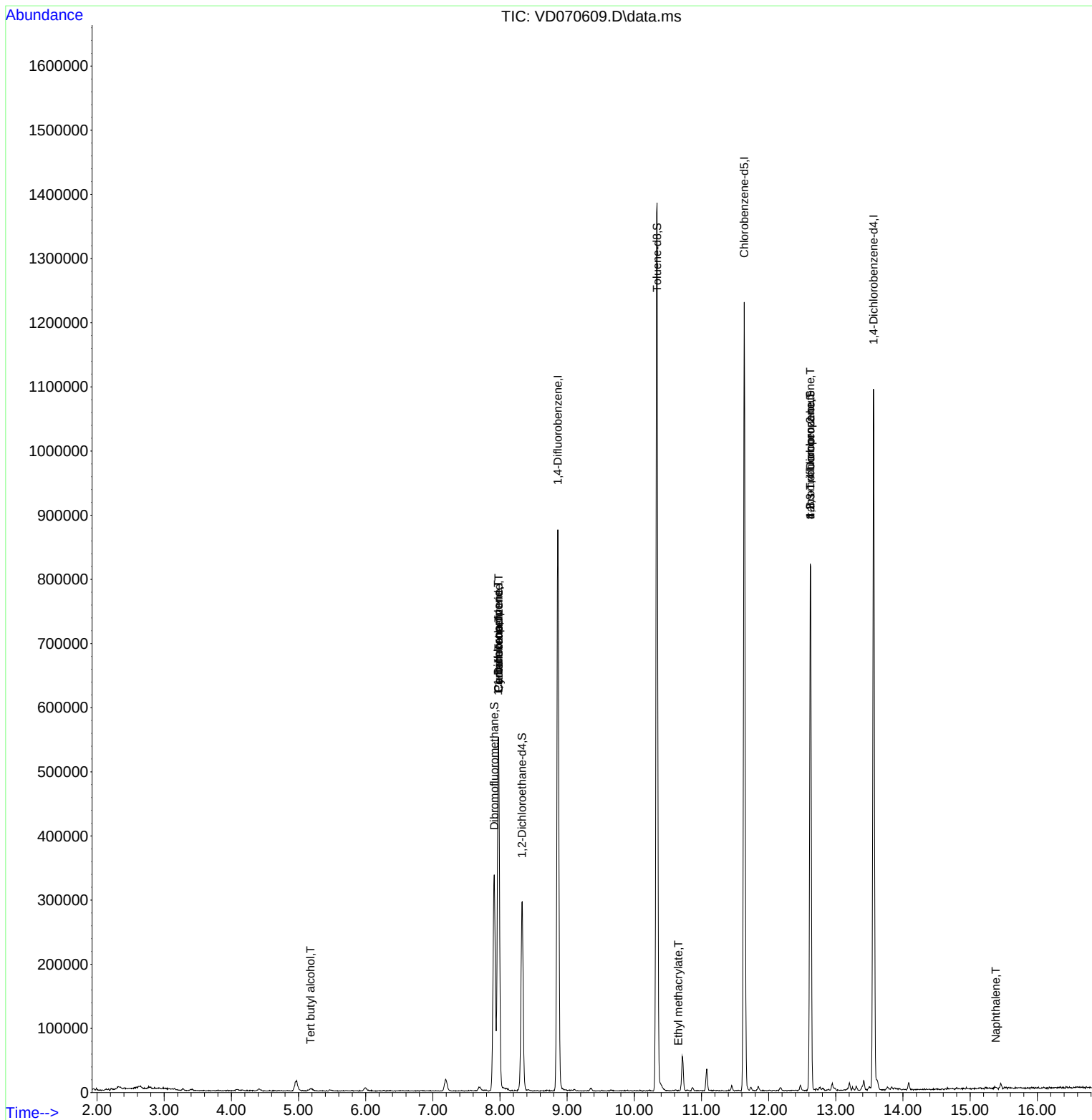
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 S-1

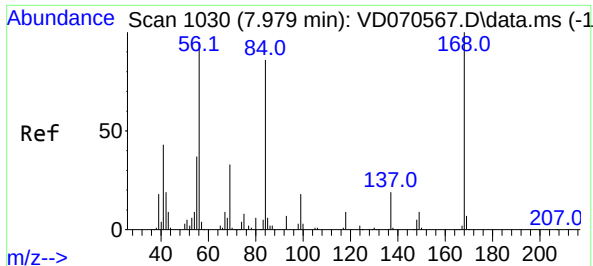
Quant Time: Oct 08 04:50:14 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D100521S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 06 09:10:31 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response           | Conc          | Units | Dev(Min) |
|-------------------------------|----------------|------|--------------------|---------------|-------|----------|
| -----                         |                |      |                    |               |       |          |
| Internal Standards            |                |      |                    |               |       |          |
| 1) Pentafluorobenzene         | 7.979          | 168  | 394678             | 50.00         | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.861          | 114  | 764800             | 50.00         | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 11.638         | 117  | 709137             | 50.00         | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.561         | 152  | 287890             | 50.00         | ug/l  | 0.00     |
|                               |                |      |                    |               |       |          |
| System Monitoring Compounds   |                |      |                    |               |       |          |
| 33) 1,2-Dichloroethane-d4     | 8.326          | 65   | 232663             | 50.09         | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 100.18% |               |       |          |
| 35) Dibromofluoromethane      | 7.914          | 113  | 245205             | 48.22         | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 96.44%  |               |       |          |
| 50) Toluene-d8                | 10.338         | 98   | 986429             | 50.75         | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 101.50% |               |       |          |
| 62) 4-Bromofluorobenzene      | 12.620         | 95   | 294533             | 45.33         | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 90.66%  |               |       |          |
|                               |                |      |                    |               |       |          |
| Target Compounds              |                |      |                    |               |       |          |
| 5) Bromomethane               | 2.773          | 94   | 1853               | Below Cal     |       | 97       |
| 11) Tert butyl alcohol        | 5.179          | 59   | 4009               | 17.42 ug/l #  |       | 83       |
| 20) Methylene Chloride        | 4.956          | 84   | 13002              | Below Cal #   |       | 78       |
| 31) Cyclohexane               | 7.979          | 56   | 10774              | 1.25 ug/l #   |       | 1        |
| 36) 1,1-Dichloropropene       | 7.973          | 75   | 35703              | 4.40 ug/l #   |       | 48       |
| 38) Carbon Tetrachloride      | 7.979          | 117  | 42459              | 4.99 ug/l #   |       | 17       |
| 56) Ethyl methacrylate        | 10.655         | 69   | 54                 | 1.38 ug/l #   |       | 32       |
| 59) 2-Hexanone                | 10.985         | 43   | 331                | Below Cal     |       | 95       |
| 76) 1,2,3-Trichloropropane    | 12.620         | 75   | 137763             | 52.87 ug/l #  |       | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.620         | 75   | 137763             | 117.38 ug/l # |       | 17       |
| 95) Naphthalene               | 15.384         | 128  | 1775               | 2.67 ug/l #   |       | 79       |
| -----                         |                |      |                    |               |       |          |

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

Quant Time: Oct 08 04:50:14 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D100521S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 06 09:10:31 2021  
Response via : Initial Calibration

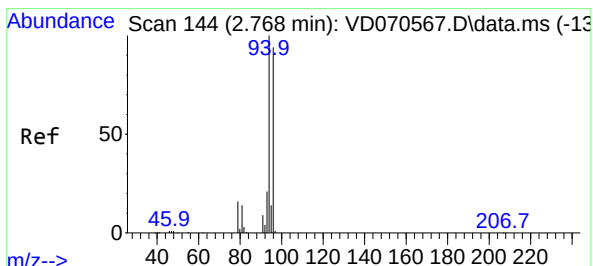
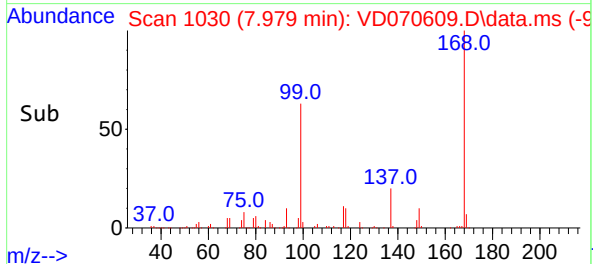
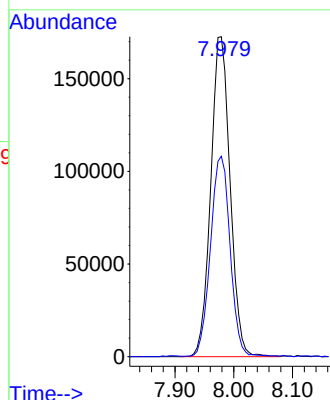
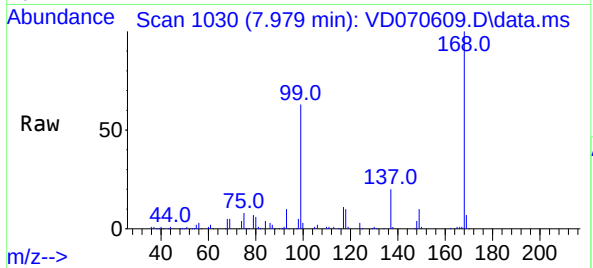




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.000 min  
Lab File: VD070609.D  
Acq: 07 Oct 2021 11:16

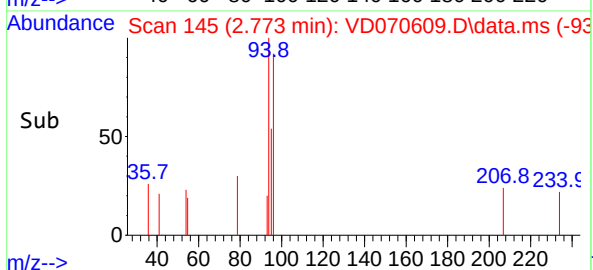
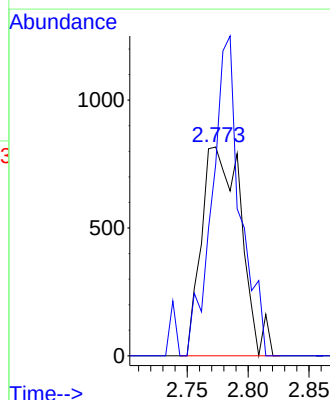
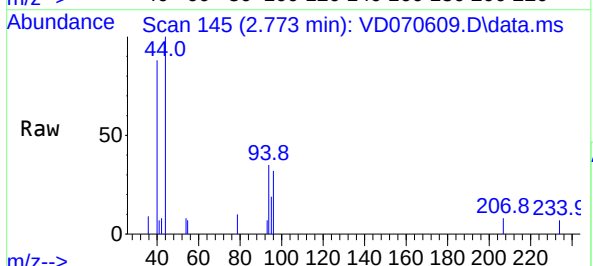
Instrument :  
MSVOA\_D  
ClientSampleId :  
S-1

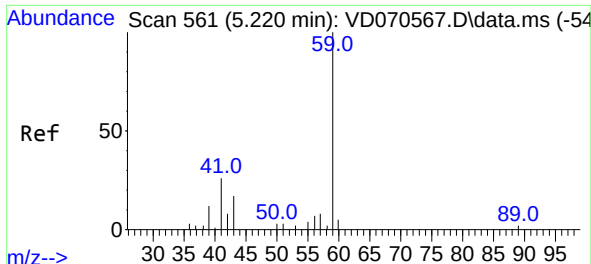
Tgt Ion:168 Resp: 394678  
Ion Ratio Lower Upper  
168 100  
99 62.5 51.4 77.0



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.773 min Scan# 145  
Delta R.T. 0.005 min  
Lab File: VD070609.D  
Acq: 07 Oct 2021 11:16

Tgt Ion: 94 Resp: 1853  
Ion Ratio Lower Upper  
94 100  
96 91.7 75.5 113.3



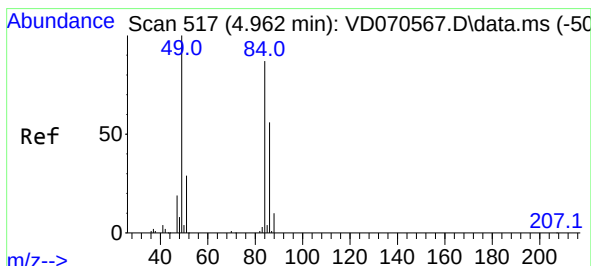
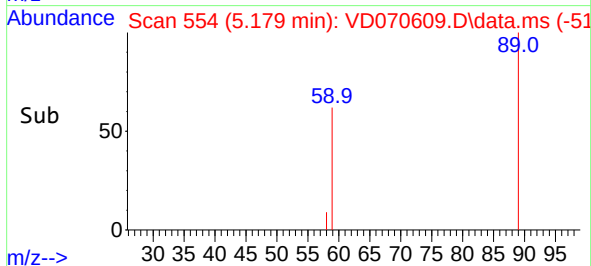
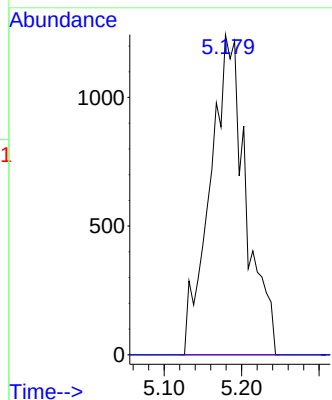
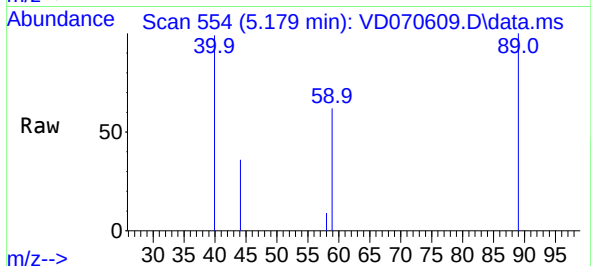


#11

Tert butyl alcohol  
Concen: 17.42 ug/l  
RT: 5.179 min Scan# 554  
Delta R.T. -0.041 min  
Lab File: VD070609.D  
Acq: 07 Oct 2021 11:16

Instrument :  
MSVOA\_D  
ClientSampled :  
S-1

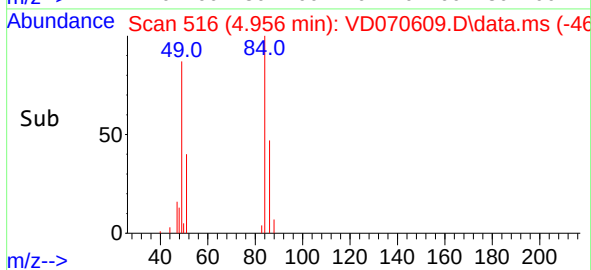
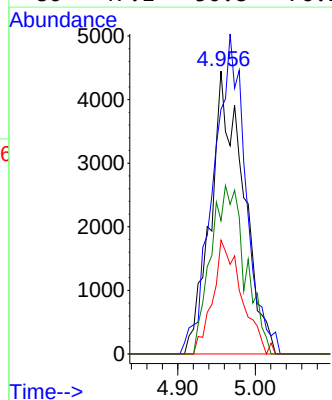
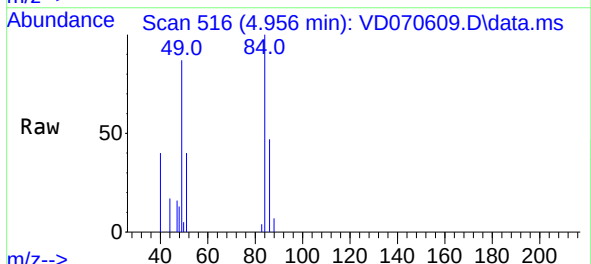
Tgt Ion: 59 Resp: 4009  
Ion Ratio Lower Upper  
59 100  
57 0.0 4.5 6.7#

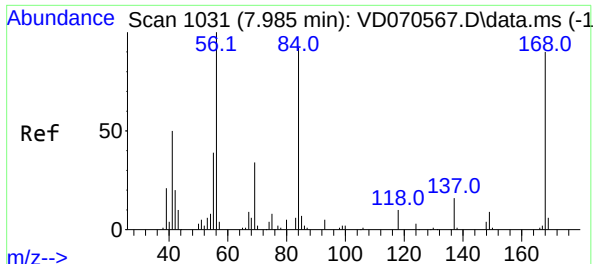


#20

Methylene Chloride  
Concen: Below Cal  
RT: 4.956 min Scan# 516  
Delta R.T. -0.006 min  
Lab File: VD070609.D  
Acq: 07 Oct 2021 11:16

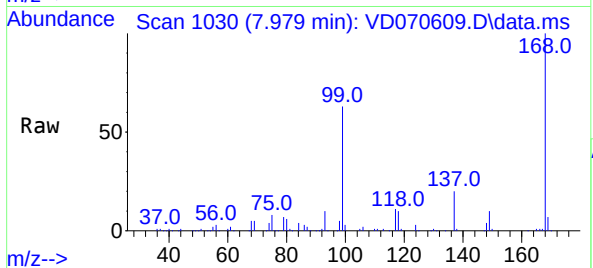
Tgt Ion: 84 Resp: 13002  
Ion Ratio Lower Upper  
84 100  
49 86.5 91.4 137.2#  
51 40.2 26.7 40.1#  
86 47.1 50.8 76.2#



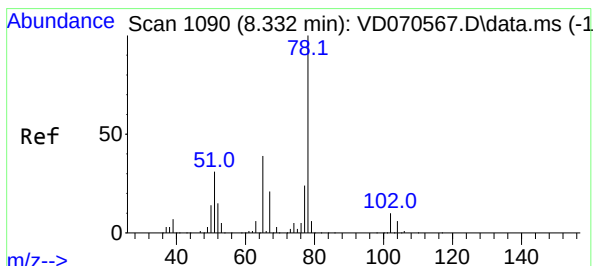
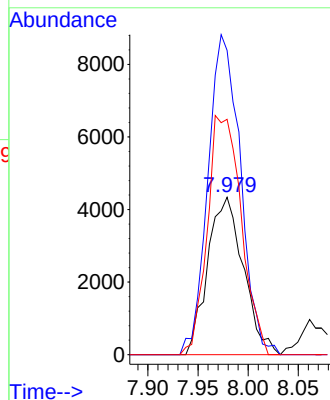
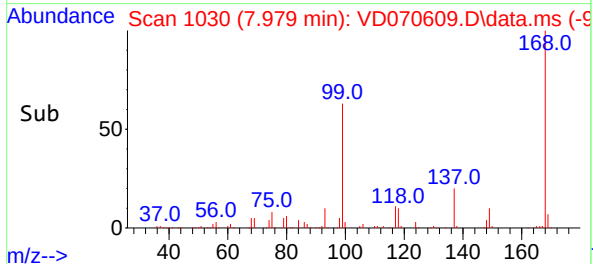


#31  
Cyclohexane  
Concen: 1.25 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: VD070609.D  
Acq: 07 Oct 2021 11:16

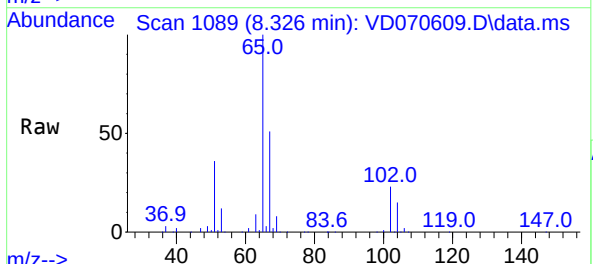
Instrument :  
MSVOA\_D  
ClientSampled :  
S-1



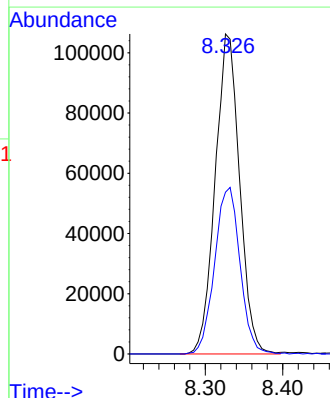
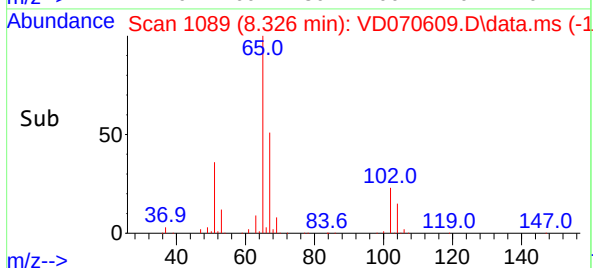
Tgt Ion: 56 Resp: 10774  
Ion Ratio Lower Upper  
56 100  
69 193.3 27.4 41.2#  
84 149.5 73.6 110.4#

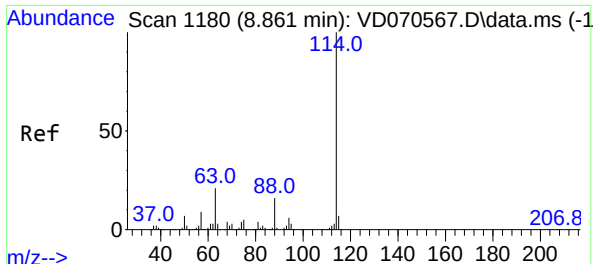


#33  
1,2-Dichloroethane-d4  
Concen: 50.09 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. -0.006 min  
Lab File: VD070609.D  
Acq: 07 Oct 2021 11:16



Tgt Ion: 65 Resp: 232663  
Ion Ratio Lower Upper  
65 100  
67 54.1 0.0 110.2



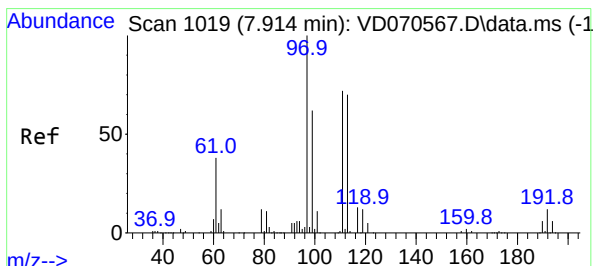
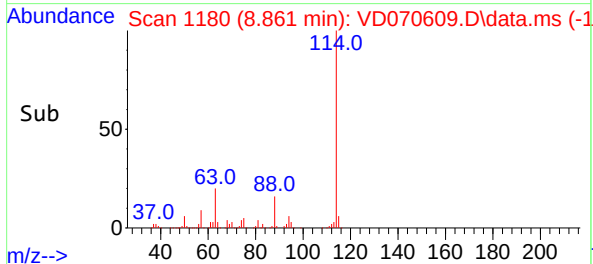
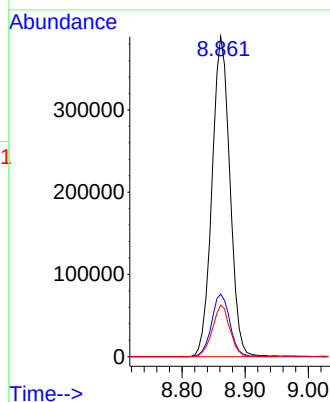
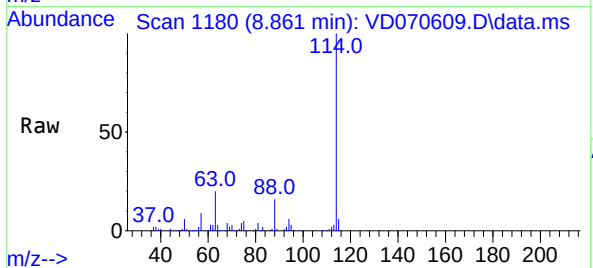


#34

1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. -0.000 min  
Lab File: VD070609.D  
Acq: 07 Oct 2021 11:16

Instrument :  
MSVOA\_D  
ClientSampled :  
S-1

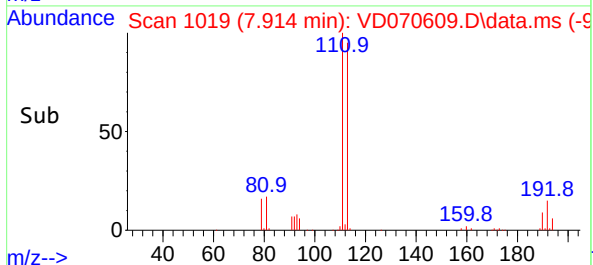
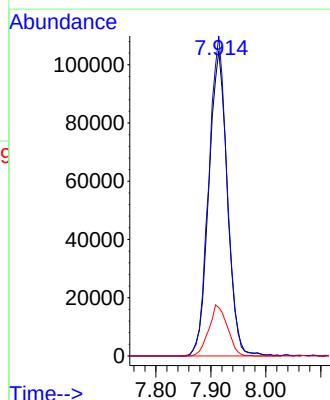
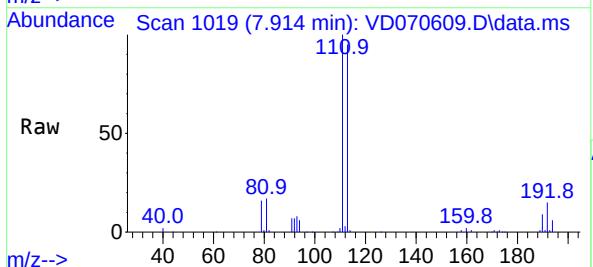
Tgt Ion:114 Resp: 764800  
Ion Ratio Lower Upper  
114 100  
63 19.5 0.0 41.8  
88 16.2 0.0 32.6

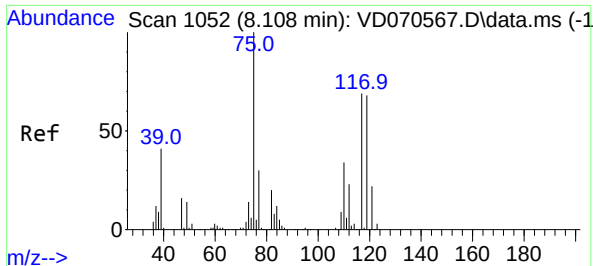


#35

Dibromofluoromethane  
Concen: 48.22 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.000 min  
Lab File: VD070609.D  
Acq: 07 Oct 2021 11:16

Tgt Ion:113 Resp: 245205  
Ion Ratio Lower Upper  
113 100  
111 104.3 83.1 124.7  
192 16.7 12.7 19.1



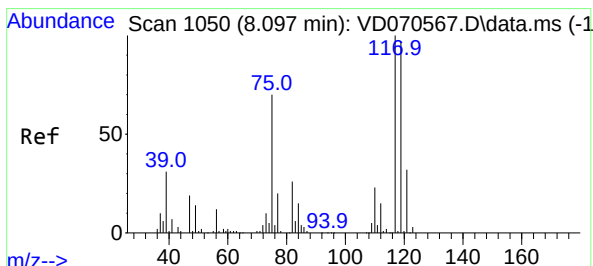
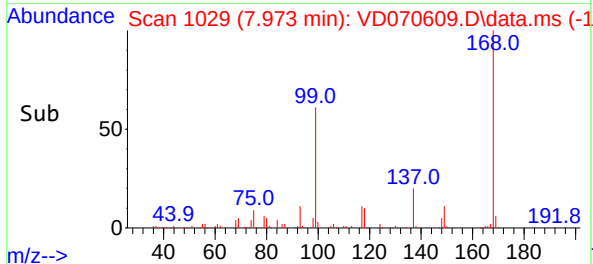
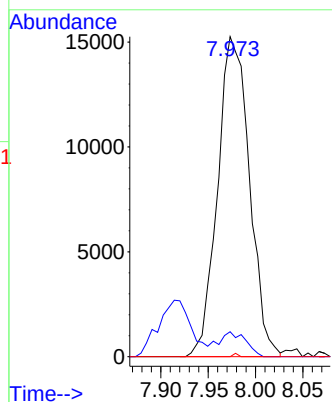
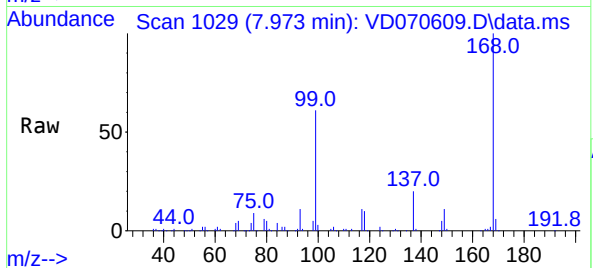


#36

1,1-Dichloropropene  
Concen: 4.40 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. -0.135 min  
Lab File: VD070609.D  
Acq: 07 Oct 2021 11:16

Instrument :  
MSVOA\_D  
ClientSampled :  
S-1

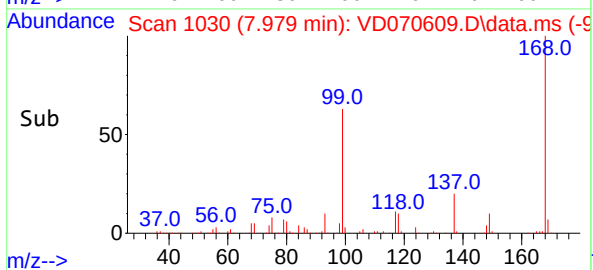
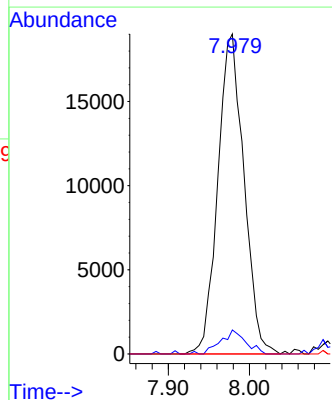
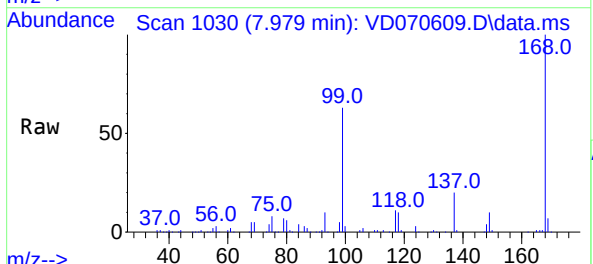
Tgt Ion: 75 Resp: 35703  
Ion Ratio Lower Upper  
75 100  
110 6.7 17.2 51.6#  
77 0.2 24.2 36.4#

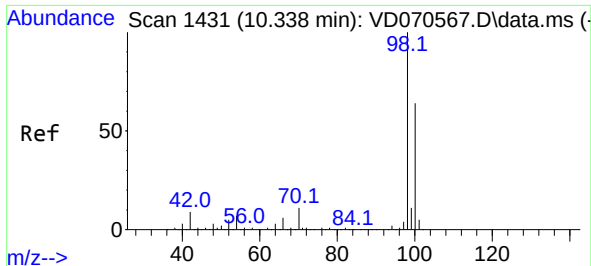


#38

Carbon Tetrachloride  
Concen: 4.99 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.118 min  
Lab File: VD070609.D  
Acq: 07 Oct 2021 11:16

Tgt Ion: 117 Resp: 42459  
Ion Ratio Lower Upper  
117 100  
119 7.5 77.4 116.0#  
121 0.0 25.4 38.0#

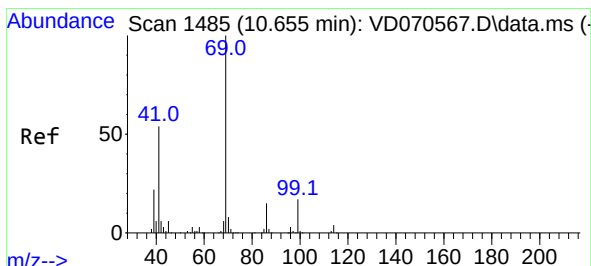
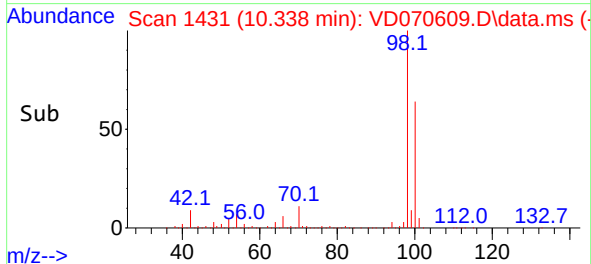
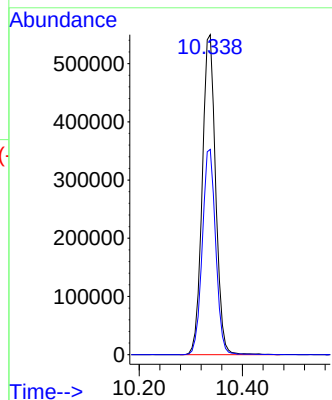
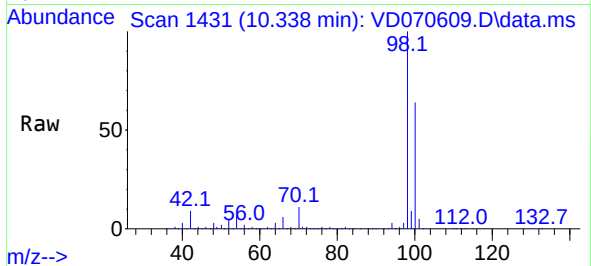




#50  
Toluene-d8  
Concen: 50.75 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: VD070609.D  
Acq: 07 Oct 2021 11:16

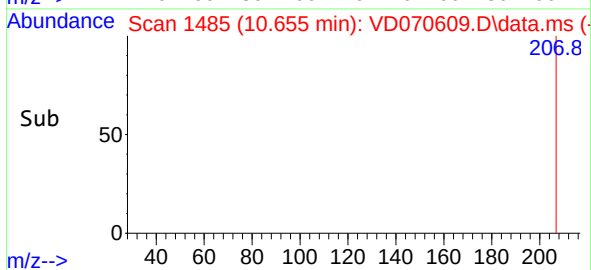
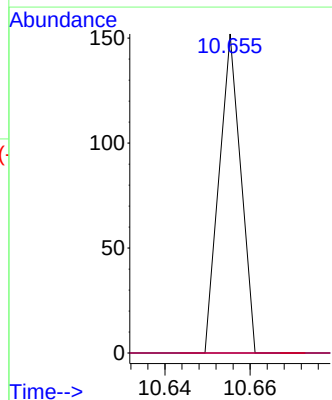
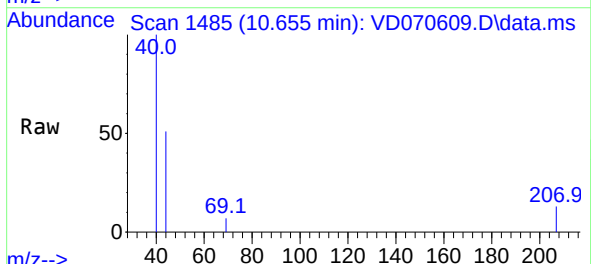
Instrument :  
MSVOA\_D  
ClientSampled :  
S-1

Tgt Ion: 98 Resp: 986429  
Ion Ratio Lower Upper  
98 100  
100 64.3 52.2 78.4

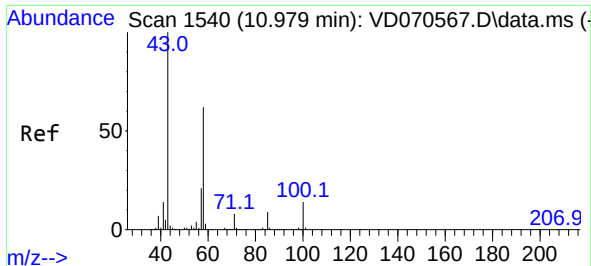


#56  
Ethyl methacrylate  
Concen: 1.38 ug/l  
RT: 10.655 min Scan# 1485  
Delta R.T. 0.000 min  
Lab File: VD070609.D  
Acq: 07 Oct 2021 11:16

Tgt Ion: 69 Resp: 54  
Ion Ratio Lower Upper  
69 100  
41 0.0 44.7 67.1#  
39 0.0 19.5 29.3#



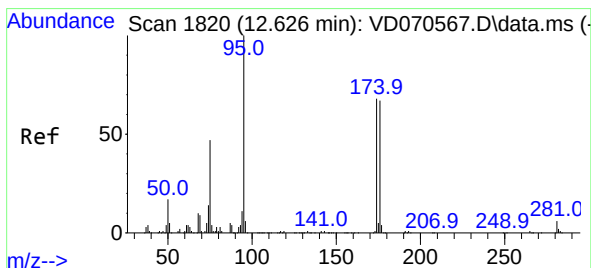
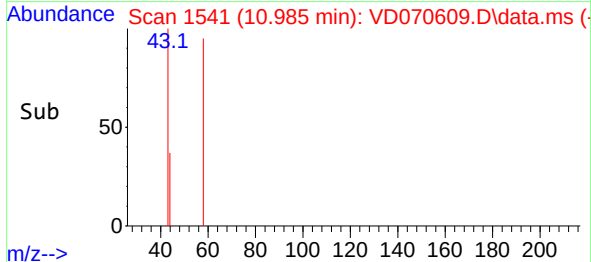
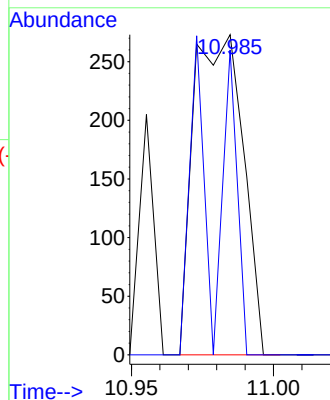
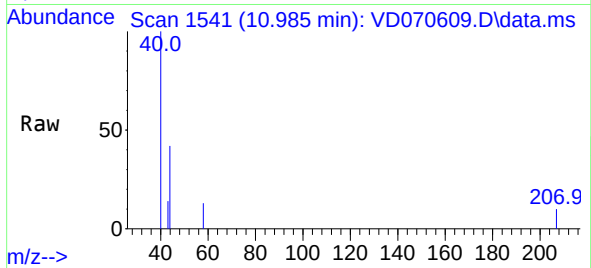




#59  
2-Hexanone  
Concen: Below Cal  
RT: 10.985 min Scan# 1541  
Delta R.T. 0.006 min  
Lab File: VD070609.D  
Acq: 07 Oct 2021 11:16

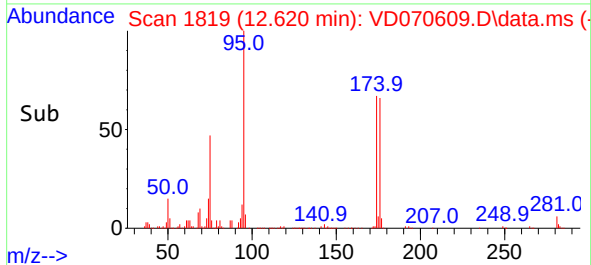
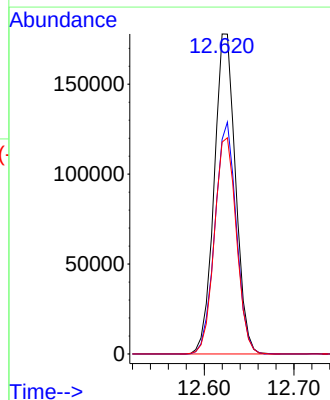
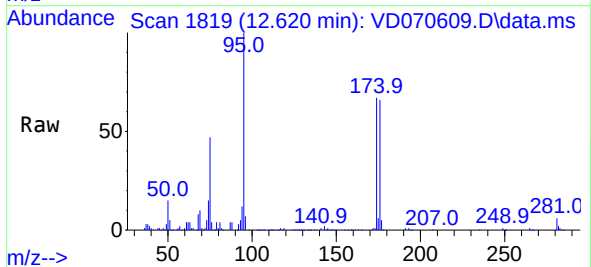
Instrument :  
MSVOA\_D  
ClientSampled :  
S-1

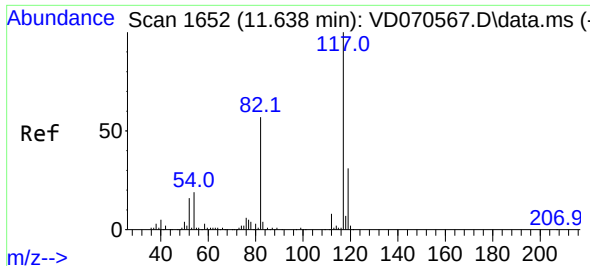
Tgt Ion: 43 Resp: 331  
Ion Ratio Lower Upper  
43 100  
58 56.8 30.4 91.3



#62  
4-Bromofluorobenzene  
Concen: 45.33 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.006 min  
Lab File: VD070609.D  
Acq: 07 Oct 2021 11:16

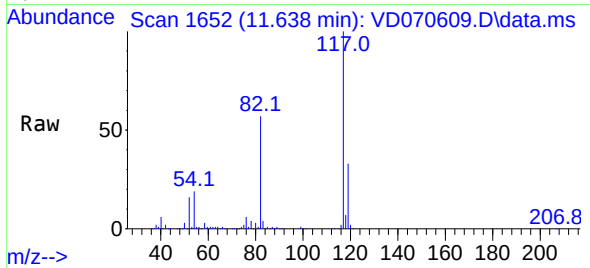
Tgt Ion: 95 Resp: 294533  
Ion Ratio Lower Upper  
95 100  
174 72.2 0.0 138.0  
176 69.4 0.0 135.6



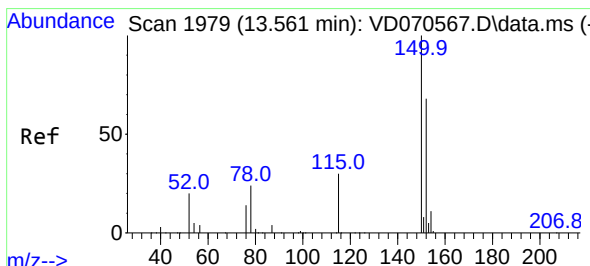
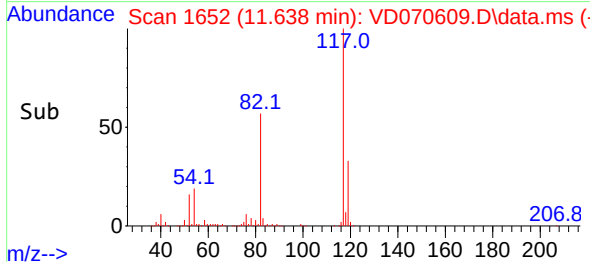
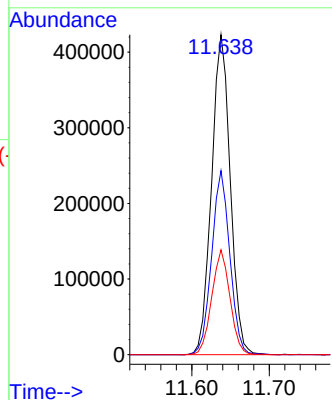


#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. -0.000 min  
Lab File: VD070609.D  
Acq: 07 Oct 2021 11:16

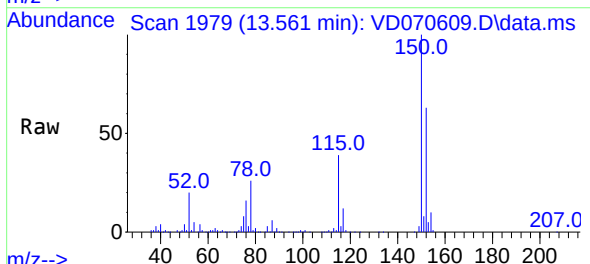
Instrument :  
MSVOA\_D  
ClientSampled :  
S-1



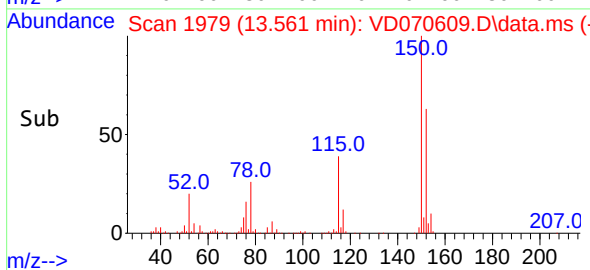
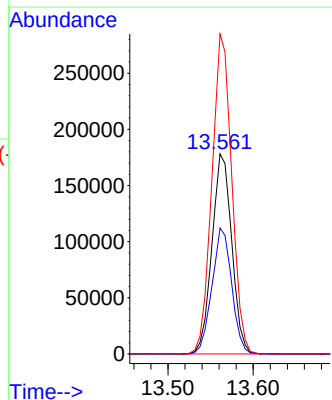
Tgt Ion:117 Resp: 709137  
Ion Ratio Lower Upper  
117 100  
82 57.5 45.4 68.2  
119 32.7 24.7 37.1

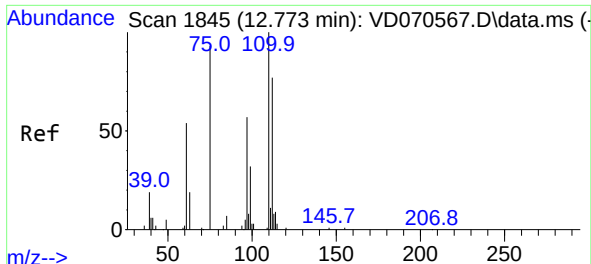


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. -0.000 min  
Lab File: VD070609.D  
Acq: 07 Oct 2021 11:16



Tgt Ion:152 Resp: 287890  
Ion Ratio Lower Upper  
152 100  
115 62.5 31.9 95.7  
150 159.7 0.0 350.0

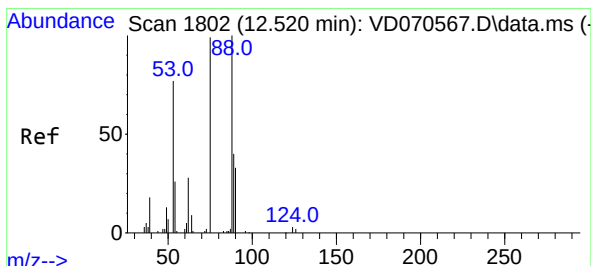
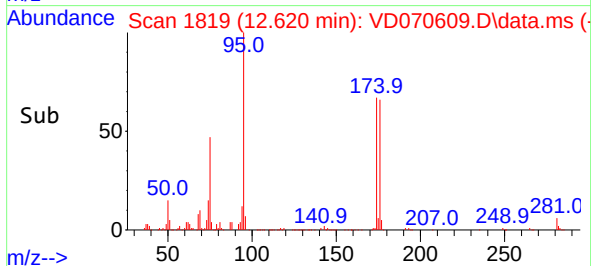
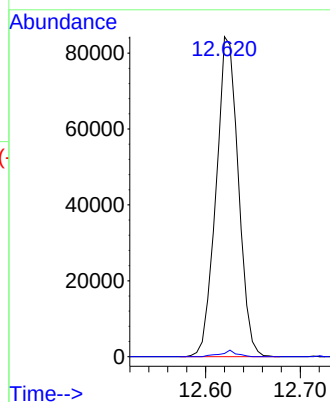
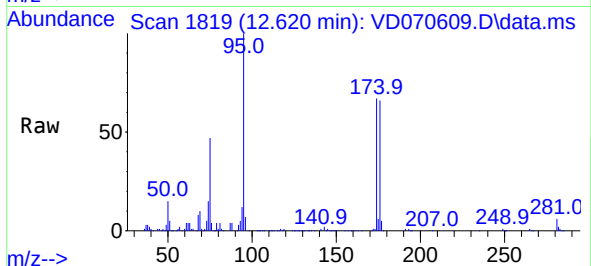




#76  
1,2,3-Trichloropropane  
Concen: 52.87 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.153 min  
Lab File: VD070609.D  
Acq: 07 Oct 2021 11:16

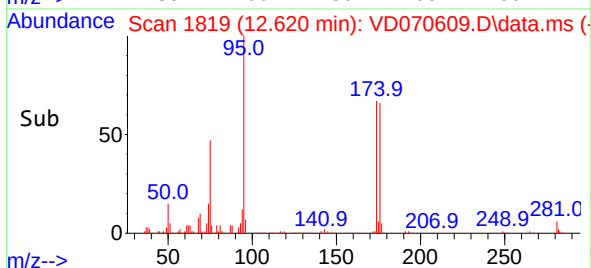
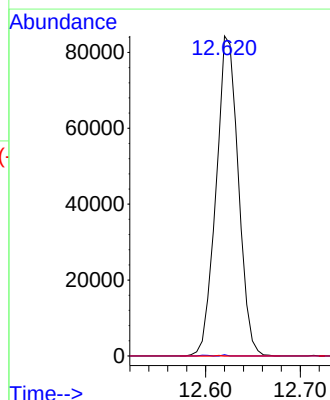
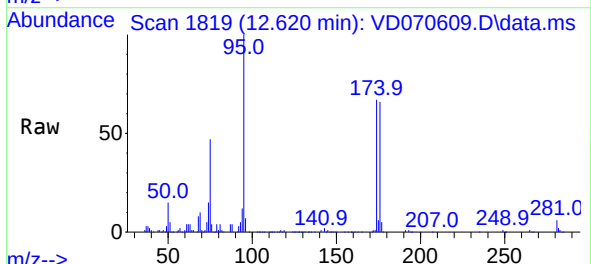
Instrument :  
MSVOA\_D  
ClientSampled :  
S-1

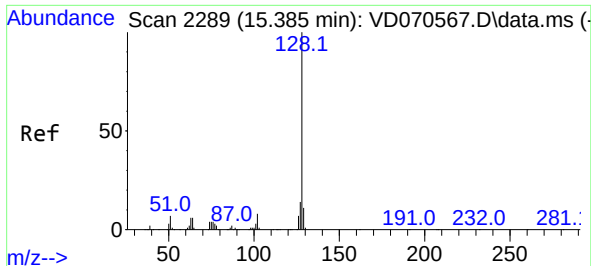
Tgt Ion: 75 Resp: 137763  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 117.38 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.100 min  
Lab File: VD070609.D  
Acq: 07 Oct 2021 11:16

Tgt Ion: 75 Resp: 137763  
Ion Ratio Lower Upper  
75 100  
53 0.1 64.5 96.7#  
89 0.0 35.3 52.9#





#95  
Naphthalene  
Concen: 2.67 ug/l  
RT: 15.384 min Scan# 2289  
Delta R.T. -0.001 min  
Lab File: VD070609.D  
Acq: 07 Oct 2021 11:16

Instrument :  
MSVOA\_D  
ClientSampleId :  
S-1

Tgt Ion:128 Resp: 1775  
Ion Ratio Lower Upper  
128 100  
127 7.3 10.9 16.3#  
129 0.0 8.6 12.8#

