

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD082923\  
 Data File : VD077063.D  
 Acq On : 29 Aug 2023 15:48  
 Operator : JC/SY  
 Sample : 04197-03  
 Misc : 5.17G/5.4ml/MSVOA\_D/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Aug 29 21:00:35 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D082823S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 29 02:15:23 2023  
 Response via : Initial Calibration

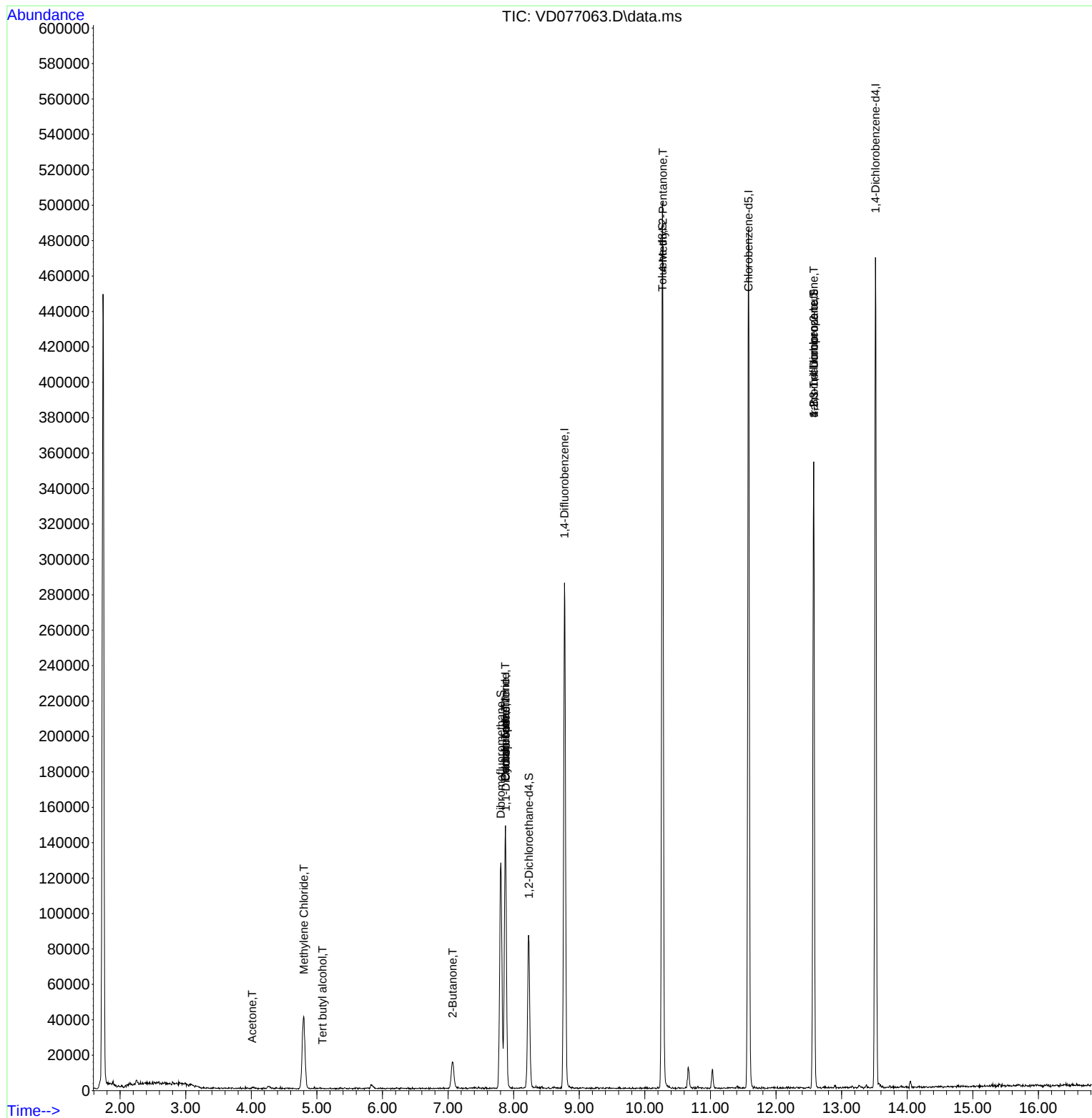
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.875  | 168   | 115474   | 50.000    | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.775  | 114   | 262177   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.581 | 117   | 294034   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.516 | 152   | 131845   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.234  | 65    | 68177    | 59.967    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 119.940% |          |
| 35) Dibromofluoromethane      | 7.804  | 113   | 94641    | 54.034    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 108.060% |          |
| 50) Toluene-d8                | 10.269 | 98    | 352572   | 55.641    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | = 111.280% |          |
| 62) 4-Bromofluorobenzene      | 12.575 | 95    | 104043   | 55.691    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | = 111.380% |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 3) Chloromethane              | 2.146  | 50    | 383      | Below Cal | #          | 41       |
| 11) Tert butyl alcohol        | 5.087  | 59    | 78       | 1.143     | ug/l #     | 73       |
| 16) Acetone                   | 4.016  | 43    | 577      | 2.227     | ug/l #     | 32       |
| 20) Methylene Chloride        | 4.805  | 84    | 33332    | 18.002    | ug/l       | 95       |
| 25) 2-Butanone                | 7.069  | 43    | 496      | 1.528     | ug/l #     | 37       |
| 31) Cyclohexane               | 7.875  | 56    | 2067     | 1.138     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.881  | 75    | 9012     | 3.612     | ug/l #     | 49       |
| 38) Carbon Tetrachloride      | 7.875  | 117   | 11944    | 4.734     | ug/l #     | 14       |
| 51) 4-Methyl-2-Pentanone      | 10.275 | 43    | 1351     | 1.536     | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 12.575 | 75    | 53841    | 42.339    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.575 | 75    | 53841    | 98.302    | ug/l #     | 17       |
| -----                         |        |       |          |           |            |          |

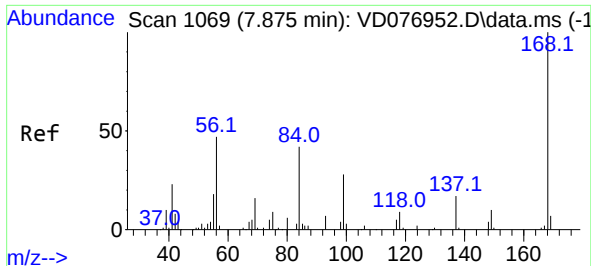
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD082923\  
Data File : VD077063.D  
Acq On : 29 Aug 2023 15:48  
Operator : JC/SY  
Sample : 04197-03  
Misc : 5.17G/5.4ml/MSVOA\_D/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

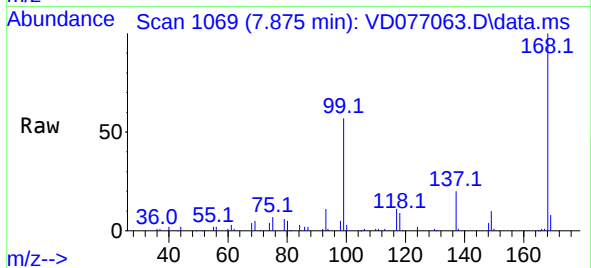
Quant Time: Aug 29 21:00:35 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D082823S.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 29 02:15:23 2023  
Response via : Initial Calibration



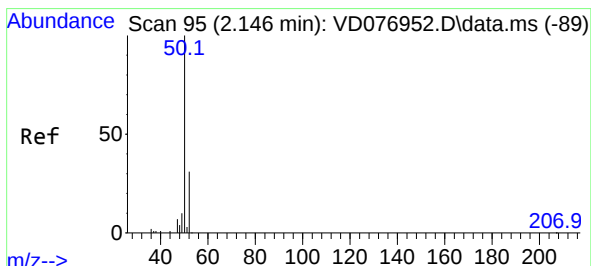
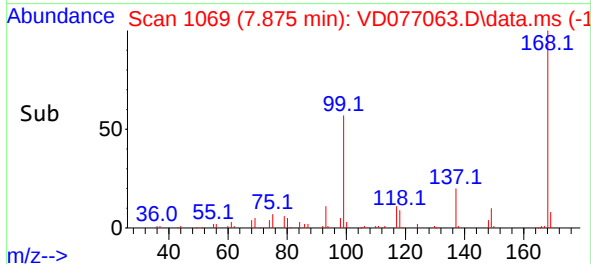
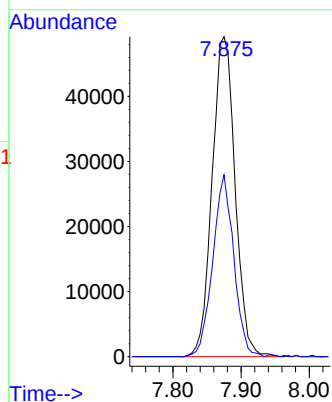


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 10  
Delta R.T. -0.000 min  
Lab File: VD077063.D  
Acq: 29 Aug 2023 15:48

Instrument :  
MSVOA\_D  
ClientSampleId :

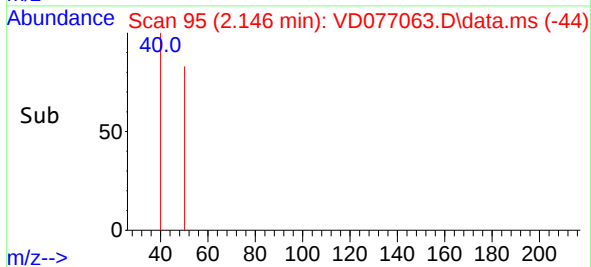
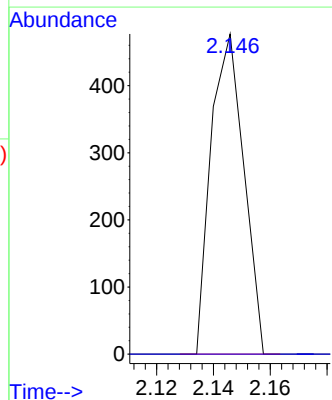
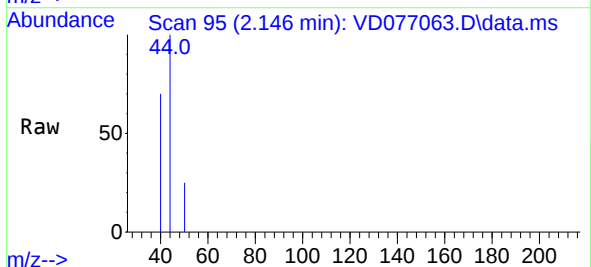


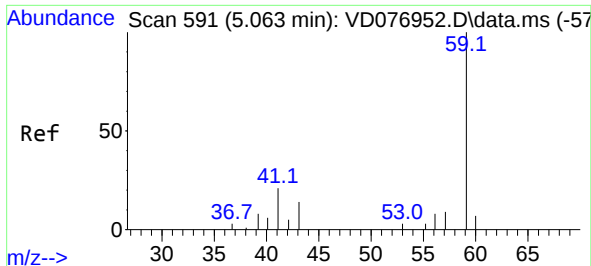
Tgt Ion:168 Resp: 115474  
Ion Ratio Lower Upper  
168 100  
99 56.8 36.7 55.1#



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.146 min Scan# 95  
Delta R.T. -0.000 min  
Lab File: VD077063.D  
Acq: 29 Aug 2023 15:48

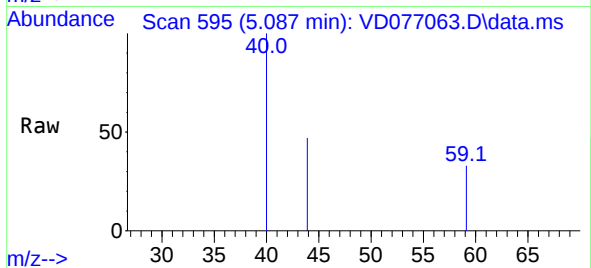
Tgt Ion: 50 Resp: 383  
Ion Ratio Lower Upper  
50 100  
52 0.0 26.6 40.0#



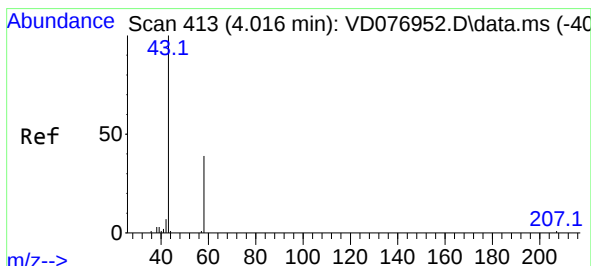
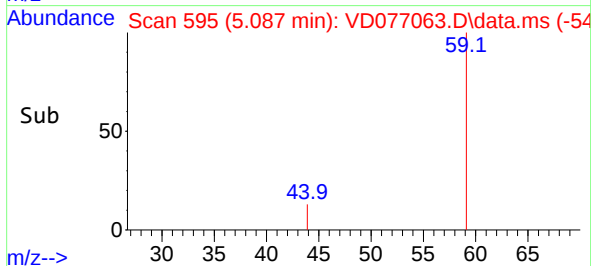
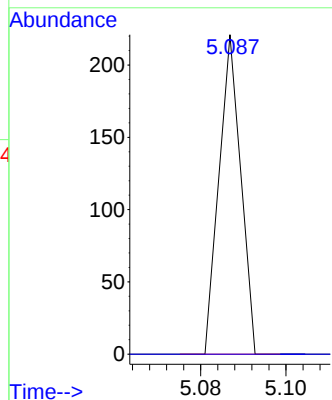


#11  
Tert butyl alcohol  
Concen: 1.143 ug/l  
RT: 5.087 min Scan# 591  
Delta R.T. 0.024 min  
Lab File: VD077063.D  
Acq: 29 Aug 2023 15:48

Instrument :  
MSVOA\_D  
ClientSampleId :

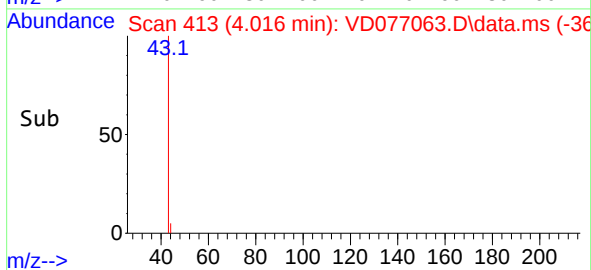
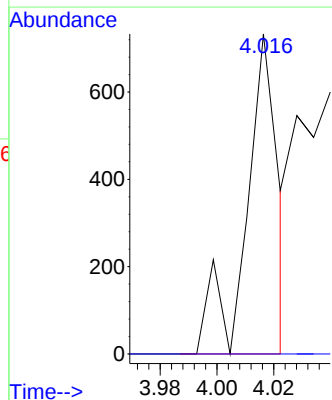
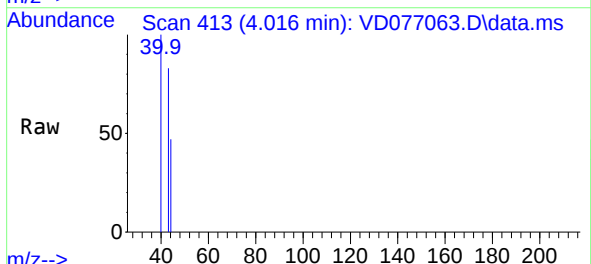


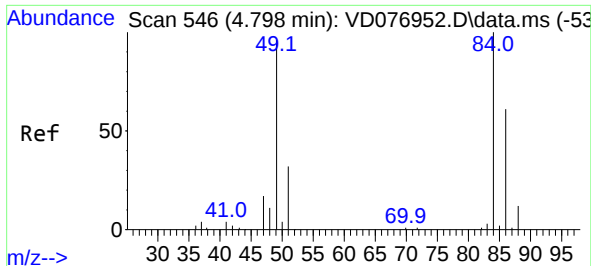
Tgt Ion: 59 Resp: 78  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#



#16  
Acetone  
Concen: 2.227 ug/l  
RT: 4.016 min Scan# 413  
Delta R.T. 0.000 min  
Lab File: VD077063.D  
Acq: 29 Aug 2023 15:48

Tgt Ion: 43 Resp: 577  
Ion Ratio Lower Upper  
43 100  
58 0.0 34.7 52.1#

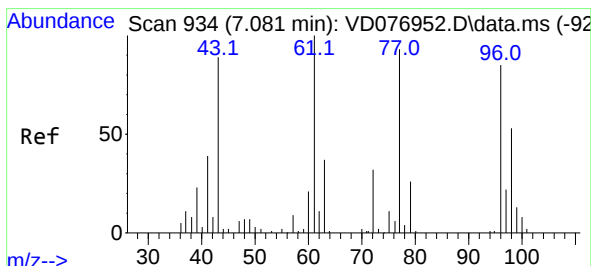
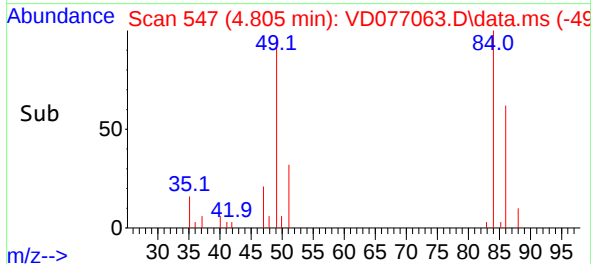
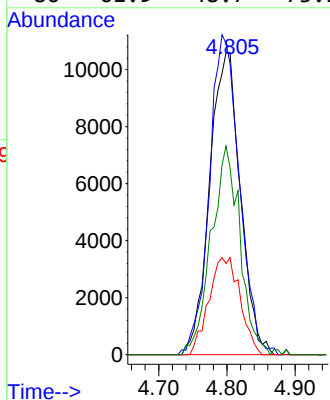
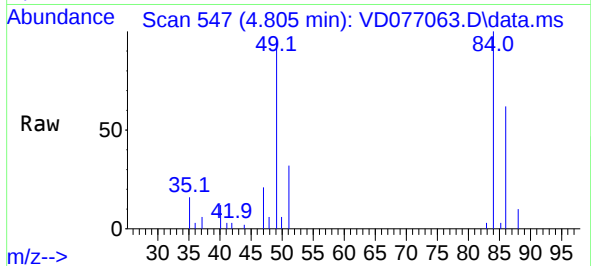




#20  
Methylene Chloride  
Concen: 18.002 ug/l  
RT: 4.805 min Scan# 54  
Delta R.T. 0.007 min  
Lab File: VD077063.D  
Acq: 29 Aug 2023 15:48

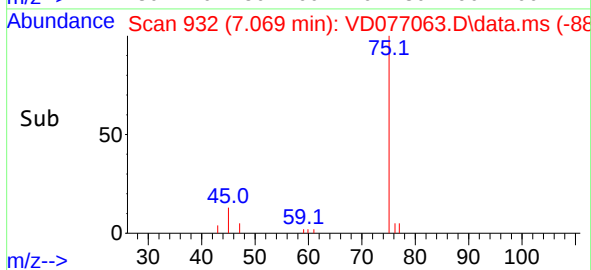
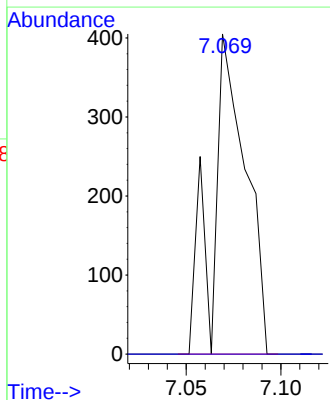
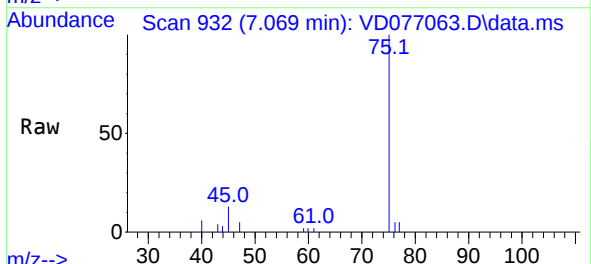
Instrument :  
MSVOA\_D  
ClientSampleId :

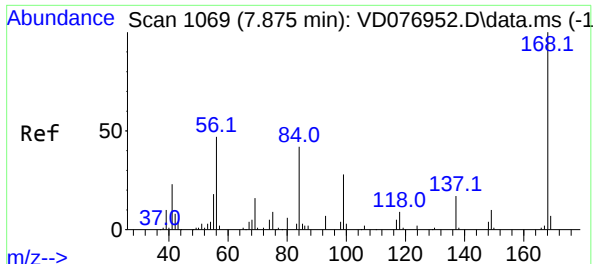
Tgt Ion: 84 Resp: 33332  
Ion Ratio Lower Upper  
84 100  
49 96.3 71.4 107.2  
51 32.1 24.5 36.7  
86 61.9 48.7 73.1



#25  
2-Butanone  
Concen: 1.528 ug/l  
RT: 7.069 min Scan# 932  
Delta R.T. -0.012 min  
Lab File: VD077063.D  
Acq: 29 Aug 2023 15:48

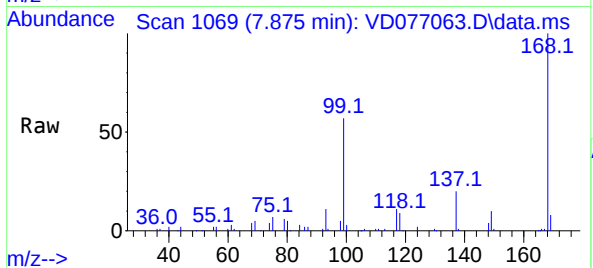
Tgt Ion: 43 Resp: 496  
Ion Ratio Lower Upper  
43 100  
72 0.0 30.7 46.1#



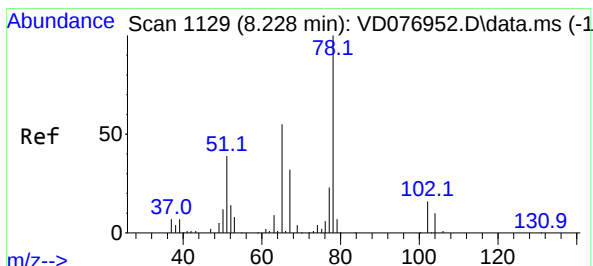
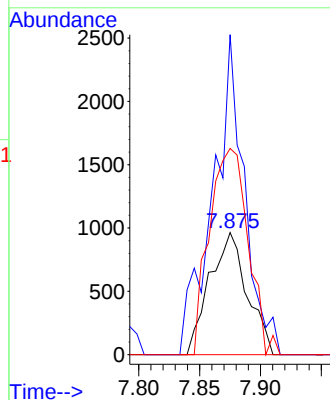
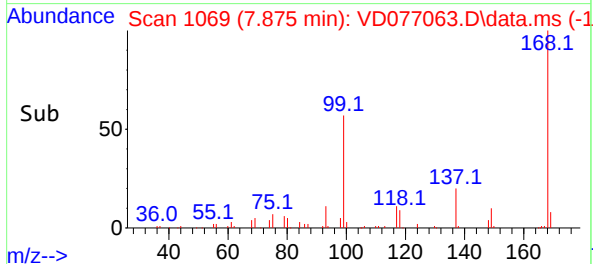


#31  
Cyclohexane  
Concen: 1.138 ug/l  
RT: 7.875 min Scan# 1106  
Delta R.T. -0.000 min  
Lab File: VD077063.D  
Acq: 29 Aug 2023 15:48

Instrument :  
MSVOA\_D  
ClientSampleId :

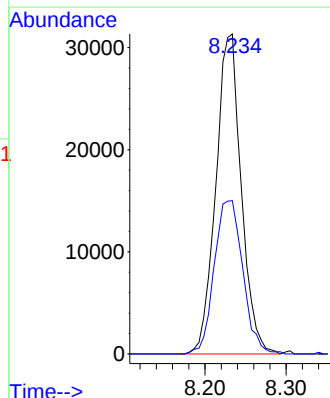
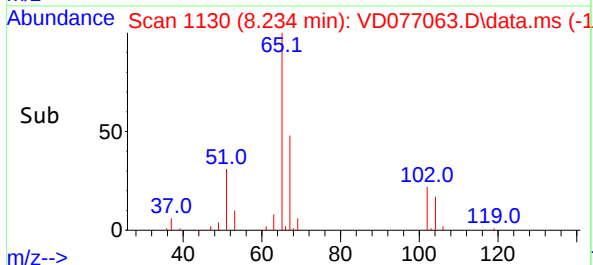
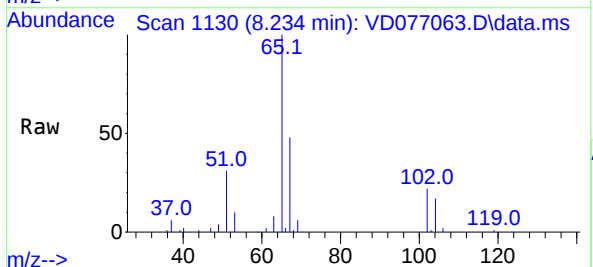


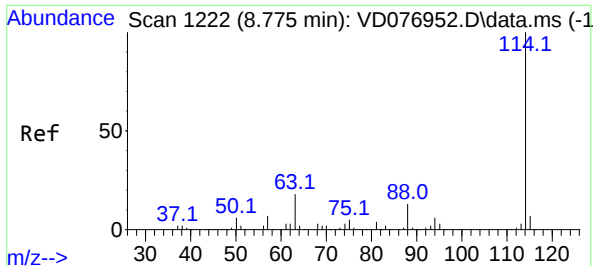
Tgt Ion: 56 Resp: 2067  
Ion Ratio Lower Upper  
56 100  
69 262.1 28.6 43.0#  
84 169.0 84.8 127.2#



#33  
1,2-Dichloroethane-d4  
Concen: 59.967 ug/l  
RT: 8.234 min Scan# 1130  
Delta R.T. 0.006 min  
Lab File: VD077063.D  
Acq: 29 Aug 2023 15:48

Tgt Ion: 65 Resp: 68177  
Ion Ratio Lower Upper  
65 100  
67 53.8 0.0 115.0

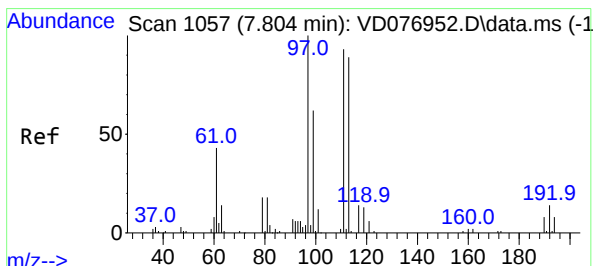
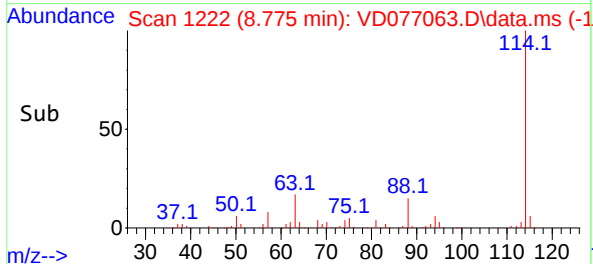
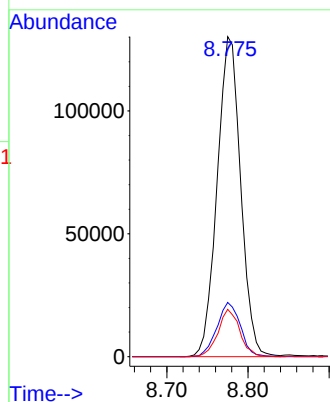
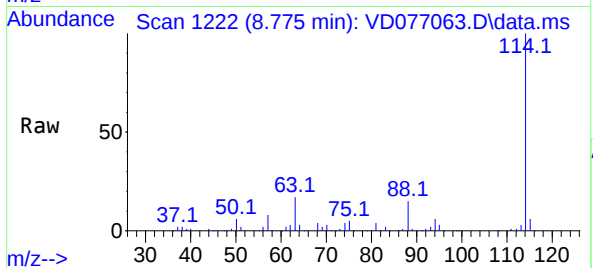




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.775 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD077063.D  
Acq: 29 Aug 2023 15:48

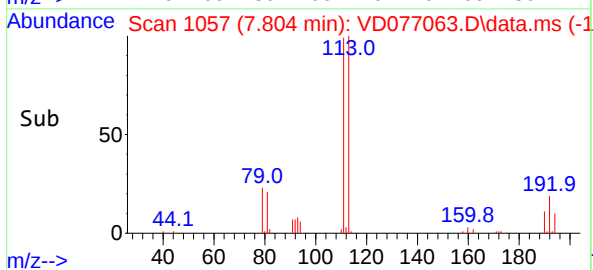
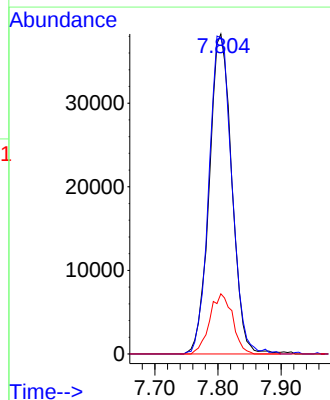
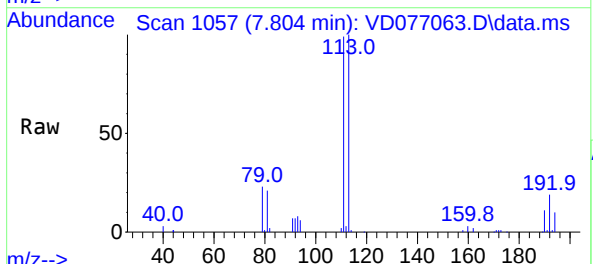
Instrument :  
MSVOA\_D  
ClientSampleId :

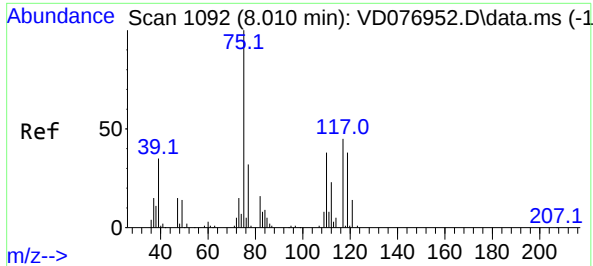
Tgt Ion:114 Resp: 262177  
Ion Ratio Lower Upper  
114 100  
63 16.9 0.0 33.4  
88 14.8 0.0 26.2



#35  
Dibromofluoromethane  
Concen: 54.034 ug/l  
RT: 7.804 min Scan# 1057  
Delta R.T. 0.000 min  
Lab File: VD077063.D  
Acq: 29 Aug 2023 15:48

Tgt Ion:113 Resp: 94641  
Ion Ratio Lower Upper  
113 100  
111 101.5 84.7 127.1  
192 19.2 16.8 25.2

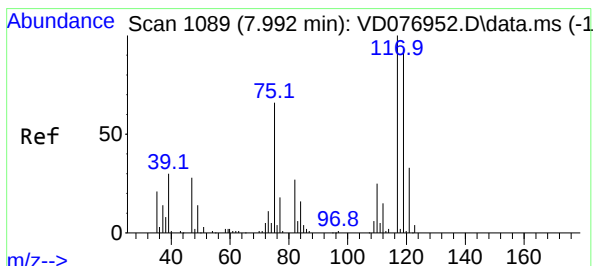
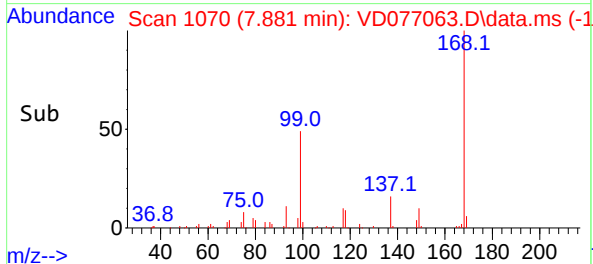
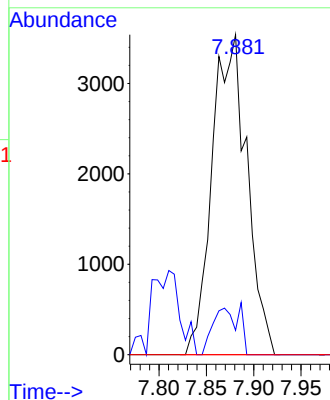
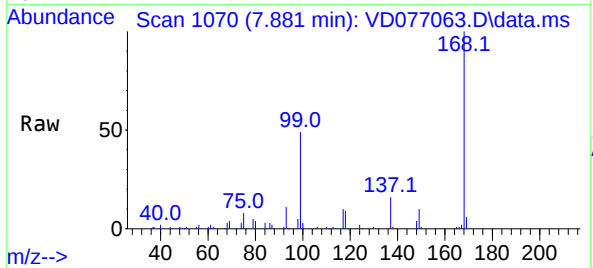




#36  
1,1-Dichloropropene  
Concen: 3.612 ug/l  
RT: 7.881 min Scan# 1092  
Delta R.T. -0.129 min  
Lab File: VD077063.D  
Acq: 29 Aug 2023 15:48

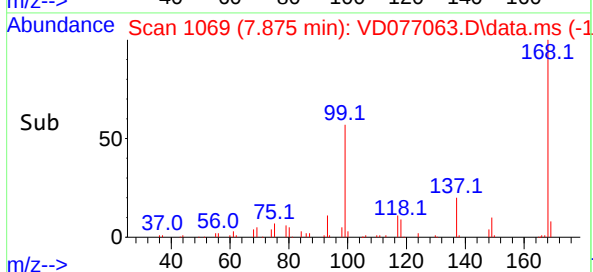
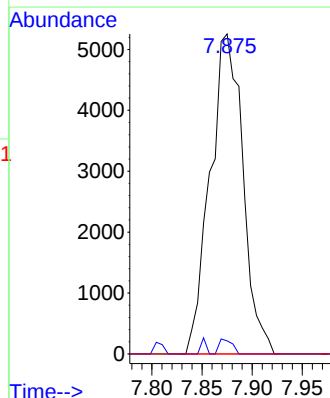
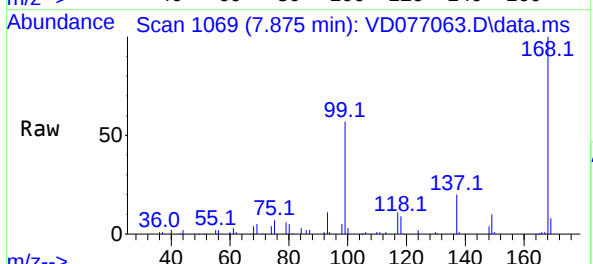
Instrument :  
MSVOA\_D  
ClientSampleId :

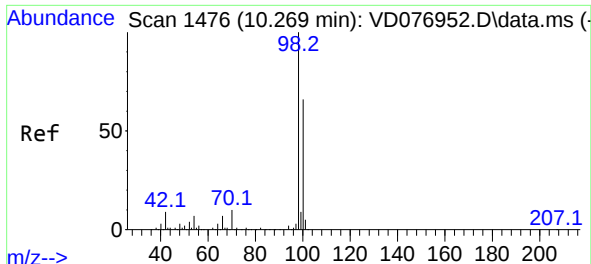
Tgt Ion: 75 Resp: 9012  
Ion Ratio Lower Upper  
75 100  
110 11.1 19.9 59.6#  
77 0.0 24.7 37.1#



#38  
Carbon Tetrachloride  
Concen: 4.734 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.117 min  
Lab File: VD077063.D  
Acq: 29 Aug 2023 15:48

Tgt Ion: 117 Resp: 11944  
Ion Ratio Lower Upper  
117 100  
119 4.1 78.0 117.0#  
121 0.0 24.2 36.2#

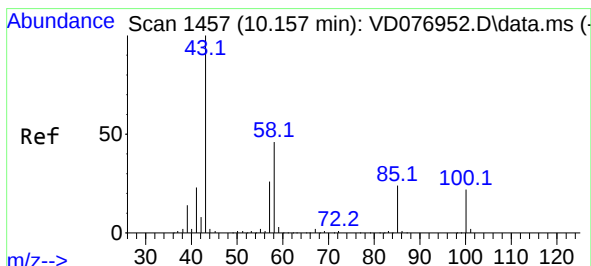
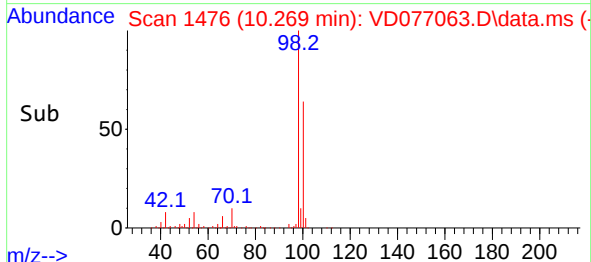
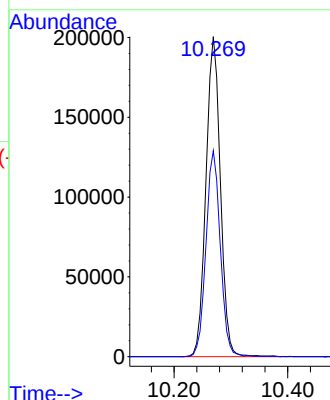
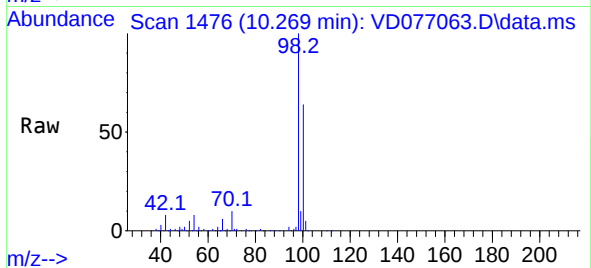




#50  
Toluene-d8  
Concen: 55.641 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. -0.000 min  
Lab File: VD077063.D  
Acq: 29 Aug 2023 15:48

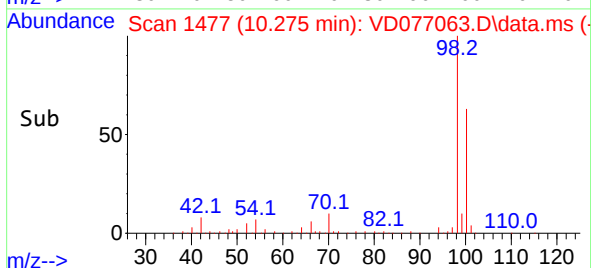
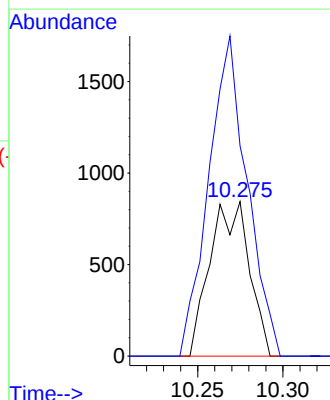
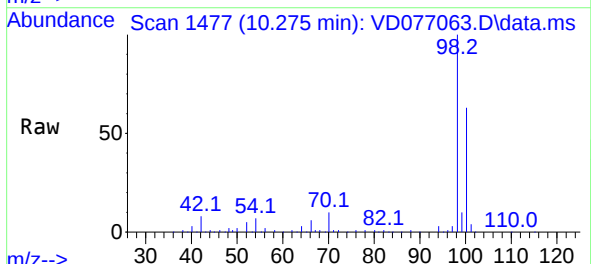
Instrument :  
MSVOA\_D  
ClientSampleId :

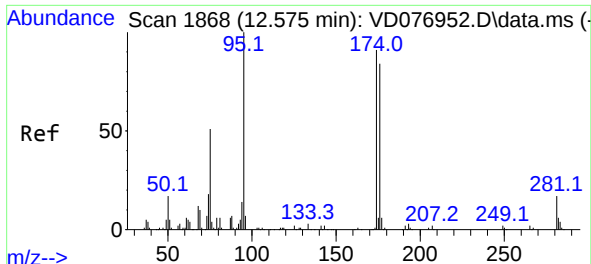
Tgt Ion: 98 Resp: 352572  
Ion Ratio Lower Upper  
98 100  
100 64.1 50.3 75.5



#51  
4-Methyl-2-Pentanone  
Concen: 1.536 ug/l  
RT: 10.275 min Scan# 1477  
Delta R.T. 0.118 min  
Lab File: VD077063.D  
Acq: 29 Aug 2023 15:48

Tgt Ion: 43 Resp: 1351  
Ion Ratio Lower Upper  
43 100  
58 203.3 38.9 58.3#

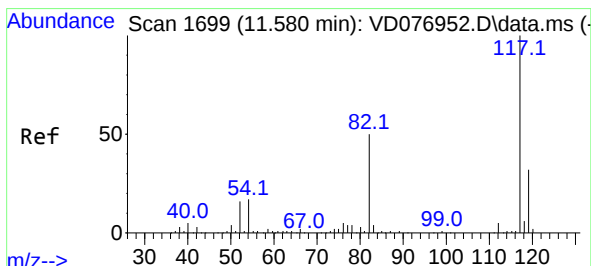
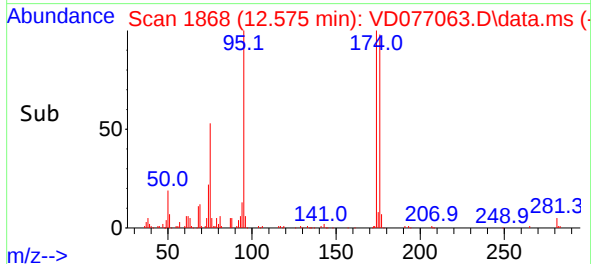
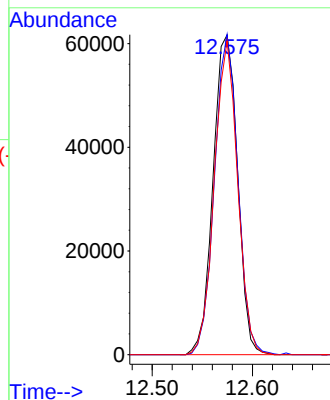
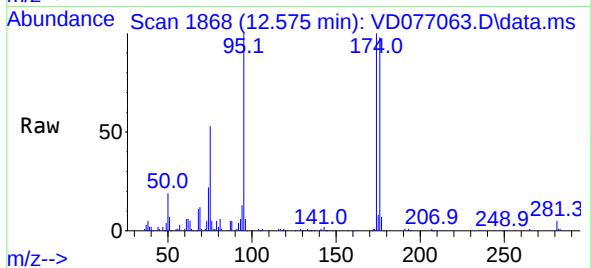




#62  
4-Bromofluorobenzene  
Concen: 55.691 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD077063.D  
Acq: 29 Aug 2023 15:48

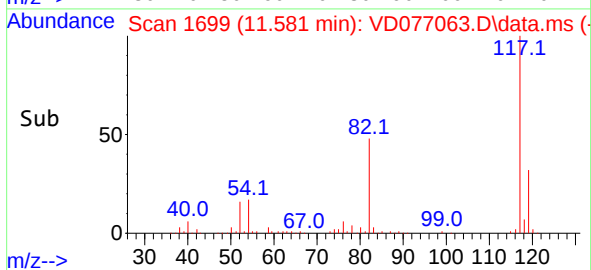
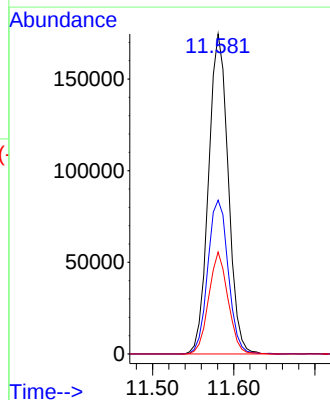
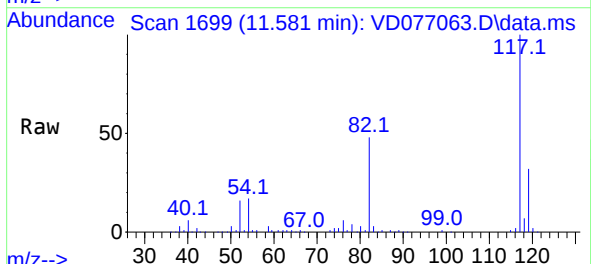
Instrument :  
MSVOA\_D  
ClientSampleId :

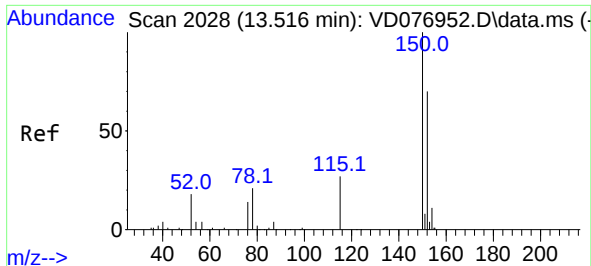
Tgt Ion: 95 Resp: 104043  
Ion Ratio Lower Upper  
95 100  
174 96.0 0.0 201.8  
176 93.6 0.0 191.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. 0.001 min  
Lab File: VD077063.D  
Acq: 29 Aug 2023 15:48

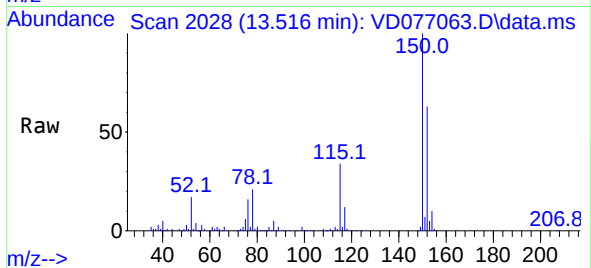
Tgt Ion: 117 Resp: 294034  
Ion Ratio Lower Upper  
117 100  
82 48.0 38.3 57.5  
119 31.9 25.0 37.4



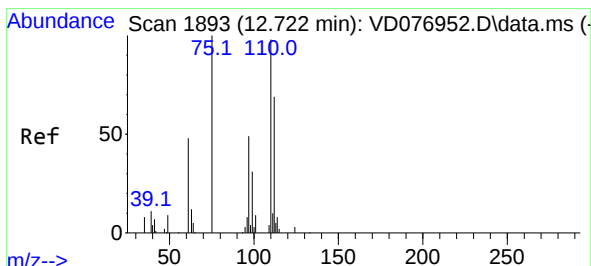
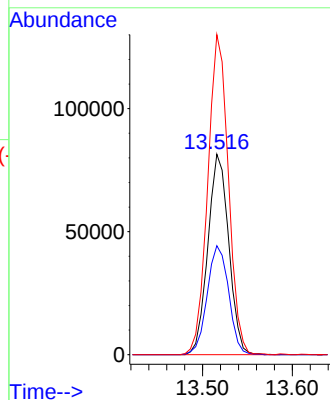
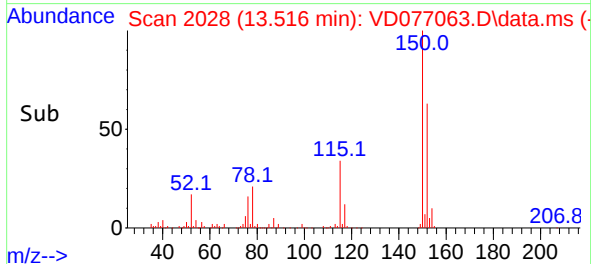


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 20  
Delta R.T. -0.000 min  
Lab File: VD077063.D  
Acq: 29 Aug 2023 15:48

Instrument :  
MSVOA\_D  
ClientSampleId :

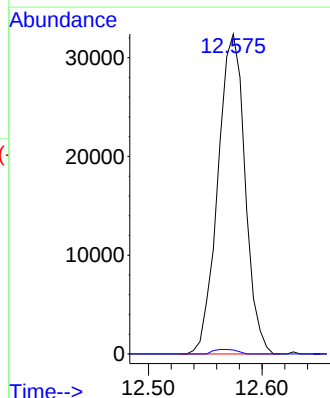
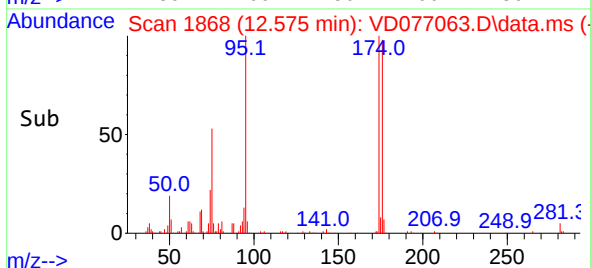
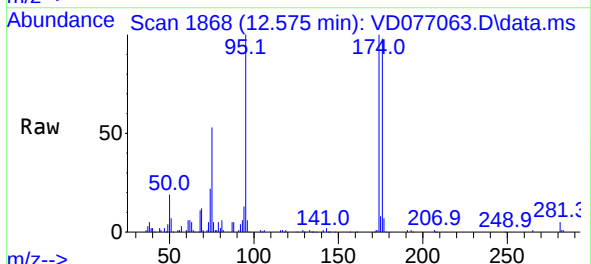


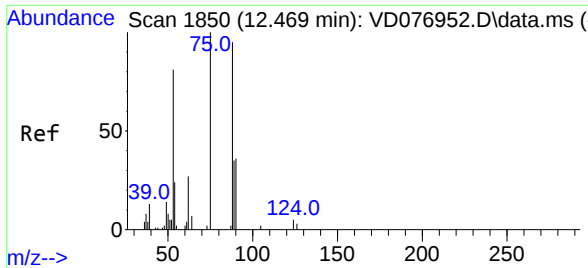
Tgt Ion:152 Resp: 131845  
Ion Ratio Lower Upper  
152 100  
115 56.0 27.1 81.3  
150 157.5 0.0 353.6



#76  
1,2,3-Trichloropropane  
Concen: 42.339 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.147 min  
Lab File: VD077063.D  
Acq: 29 Aug 2023 15:48

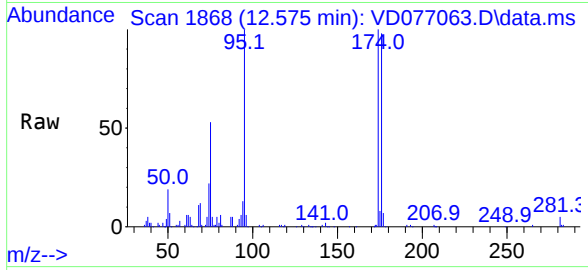
Tgt Ion: 75 Resp: 53841  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 98.302 ug/l  
 RT: 12.575 min Scan# 1868  
 Delta R.T. 0.106 min  
 Lab File: VD077063.D  
 Acq: 29 Aug 2023 15:48

Instrument :  
 MSVOA\_D  
 ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 53841 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 0.1   | 63.0  | 94.4# |
| 89       | 0.0   | 37.9  | 56.9# |

