

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD111122\  
 Data File : VD074916.D  
 Acq On : 12 Nov 2022 05:05  
 Operator : VA/SY  
 Sample : N5607-13  
 Misc : 5.04G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-40B

Quant Time: Nov 14 01:00:03 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D111122S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Nov 14 00:51:58 2022  
 Response via : Initial Calibration

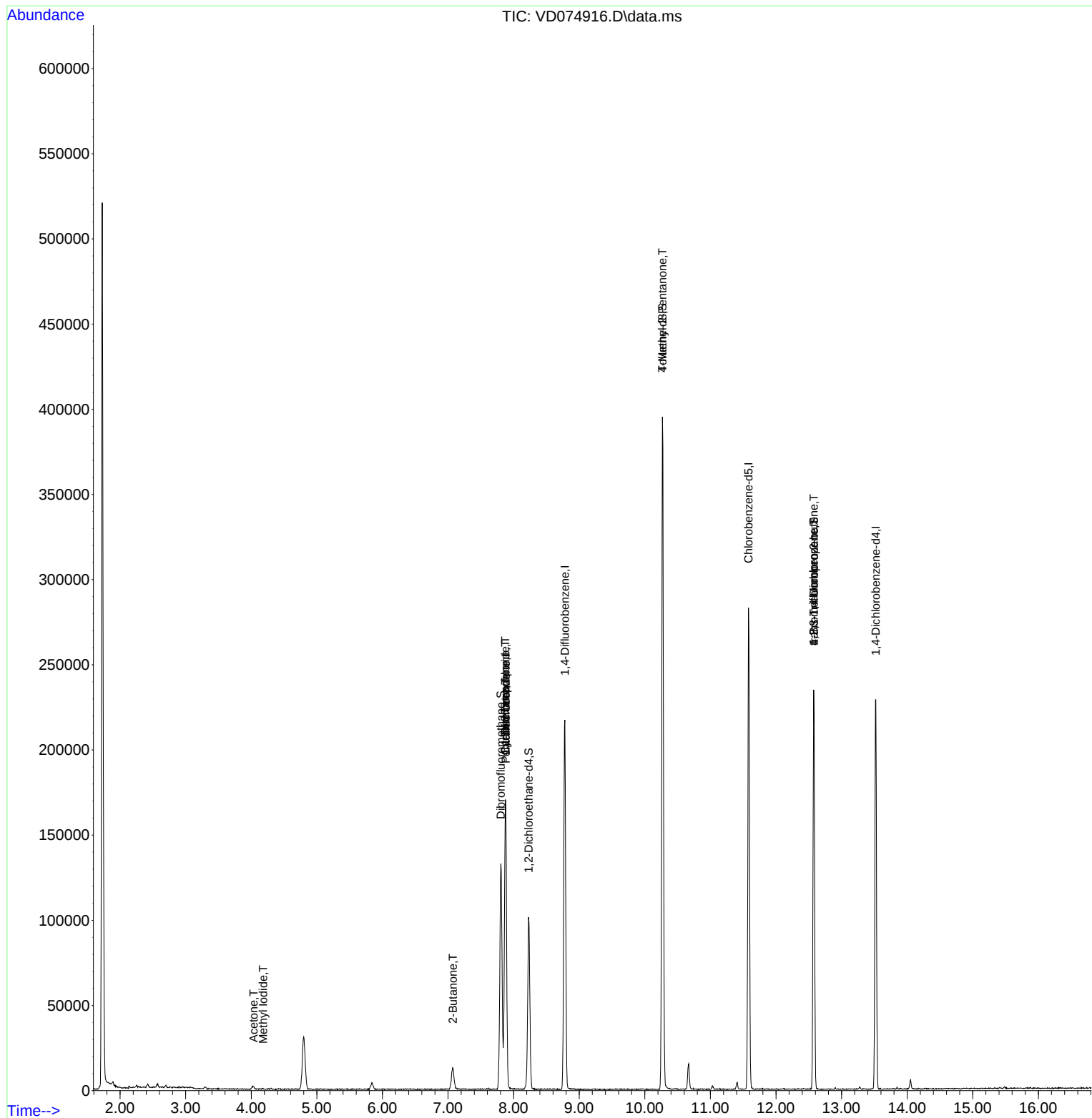
| Compound                      | R.T.   | QIon  | Response | Conc      | Units       | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|-------------|----------|
| -----                         |        |       |          |           |             |          |
| Internal Standards            |        |       |          |           |             |          |
| 1) Pentafluorobenzene         | 7.881  | 168   | 143986   | 50.000    | ug/l        | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.781  | 114   | 213112   | 50.000    | ug/l        | 0.00     |
| 63) Chlorobenzene-d5          | 11.581 | 117   | 176925   | 50.000    | ug/l        | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.522 | 152   | 69799    | 50.000    | ug/l        | 0.00     |
| System Monitoring Compounds   |        |       |          |           |             |          |
| 33) 1,2-Dichloroethane-d4     | 8.228  | 65    | 78611    | 86.490    | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 172.980%# |          |
| 35) Dibromofluoromethane      | 7.805  | 113   | 97391    | 74.136    | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 148.280%# |          |
| 50) Toluene-d8                | 10.269 | 98    | 288037   | 66.562    | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 133.120%  |          |
| 62) 4-Bromofluorobenzene      | 12.575 | 95    | 68543    | 51.583    | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 103.160%  |          |
| Target Compounds              |        |       |          |           |             |          |
|                               |        |       |          |           | Qvalue      |          |
| 2) Dichlorodifluoromethane    | 1.934  | 85    | 73       | Below Cal | #           | 40       |
| 3) Chloromethane              | 2.140  | 50    | 581      | Below Cal | #           | 37       |
| 5) Bromomethane               | 2.699  | 94    | 913      | Below Cal |             | 97       |
| 10) Methyl Iodide             | 4.181  | 142   | 376      | 4.964     | ug/l #      | 43       |
| 16) Acetone                   | 4.034  | 43    | 2918     | 12.276    | ug/l        | 97       |
| 18) Methyl Acetate            | 4.834  | 43    | 66       | Below Cal | #           | 44       |
| 25) 2-Butanone                | 7.075  | 43    | 573      | 1.843     | ug/l #      | 42       |
| 31) Cyclohexane               | 7.875  | 56    | 2339     | 1.114     | ug/l #      | 1        |
| 36) 1,1-Dichloropropene       | 7.875  | 75    | 10058    | 5.210     | ug/l #      | 47       |
| 38) Carbon Tetrachloride      | 7.875  | 117   | 13282    | 7.308     | ug/l #      | 20       |
| 51) 4-Methyl-2-Pentanone      | 10.269 | 43    | 747      | 1.373     | ug/l #      | 1        |
| 76) 1,2,3-Trichloropropane    | 12.575 | 75    | 34392    | 58.911    | ug/l #      | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.575 | 75    | 34392    | 144.922   | ug/l #      | 17       |
| -----                         |        |       |          |           |             |          |

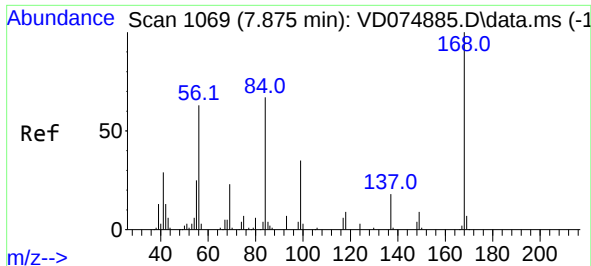
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD111122\  
Data File : VD074916.D  
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Sample : N5607-13  
Misc : 5.04G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 43 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-40B

Quant Time: Nov 14 01:00:03 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D111122S.M  
Quant Title : SW846 8260  
QLast Update : Mon Nov 14 00:51:58 2022  
Response via : Initial Calibration

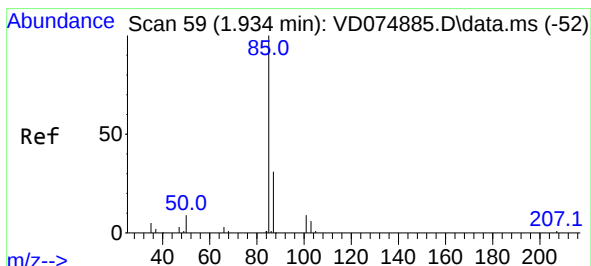
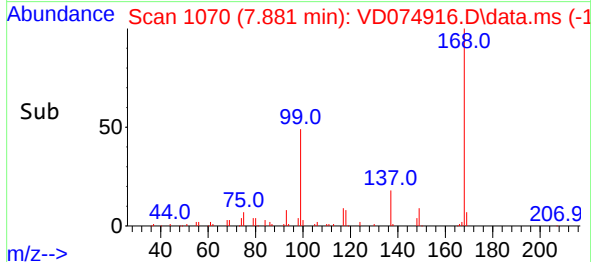
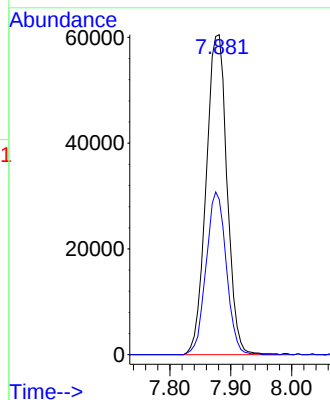
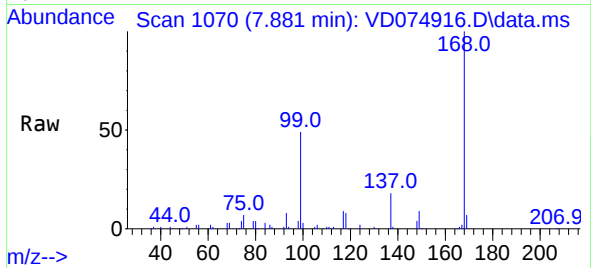




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.881 min Scan# 10  
Delta R.T. 0.006 min  
Lab File: VD074916.D  
Acq: 12 Nov 2022 05:05

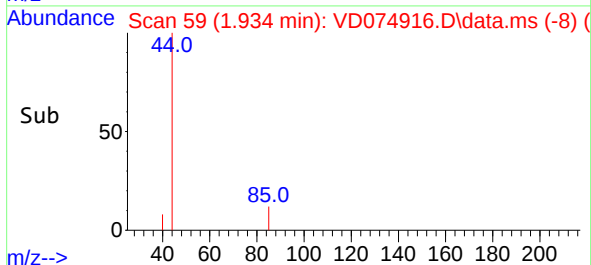
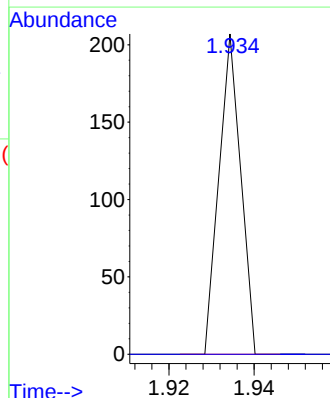
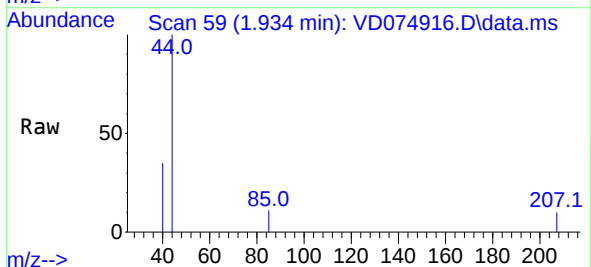
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-40B

Tgt Ion:168 Resp: 143986  
Ion Ratio Lower Upper  
168 100  
99 48.5 40.9 61.3

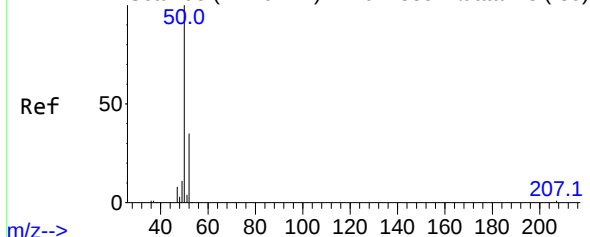


#2  
Dichlorodifluoromethane  
Concen: Below Cal  
RT: 1.934 min Scan# 59  
Delta R.T. 0.000 min  
Lab File: VD074916.D  
Acq: 12 Nov 2022 05:05

Tgt Ion: 85 Resp: 73  
Ion Ratio Lower Upper  
85 100  
87 0.0 17.5 52.6#



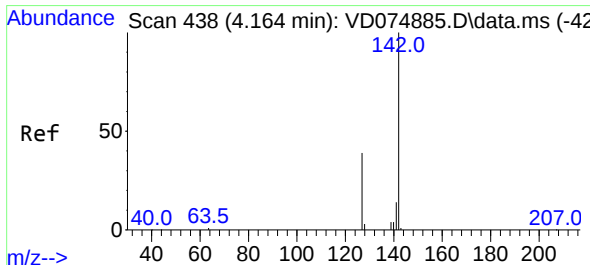
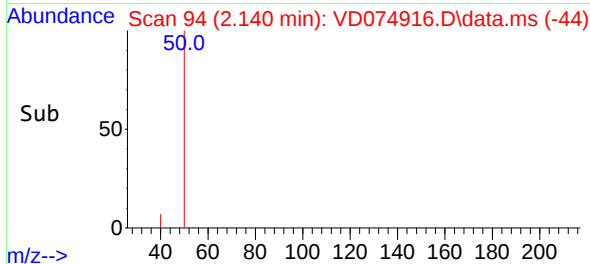
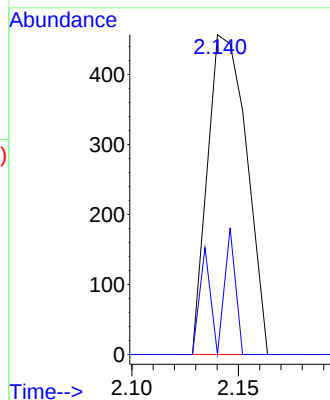
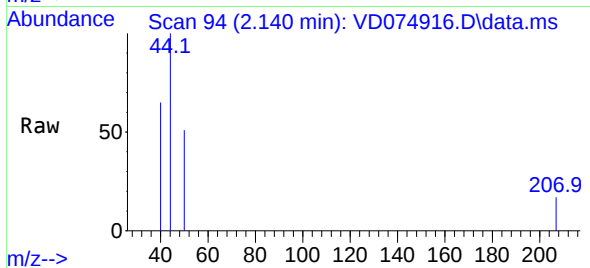
Abundance Scan 95 (2.146 min): VD074885.D\data.ms (-89)



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.140 min Scan# 94  
Delta R.T. -0.006 min  
Lab File: VD074916.D  
Acq: 12 Nov 2022 05:05

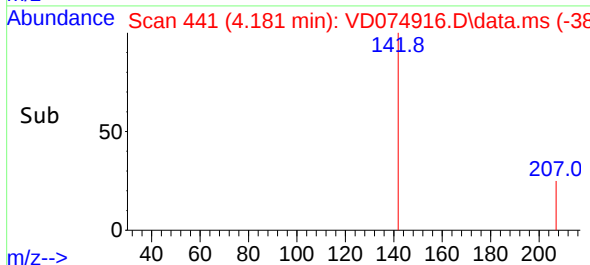
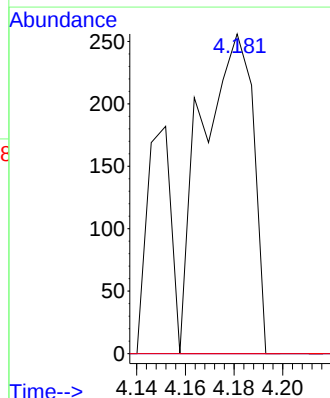
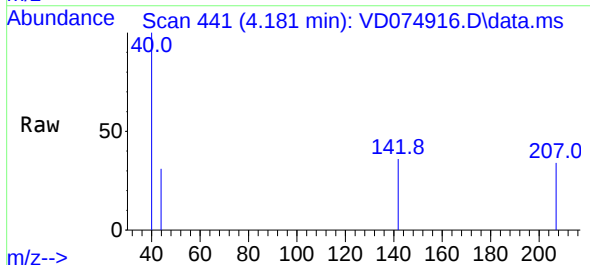
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-40B

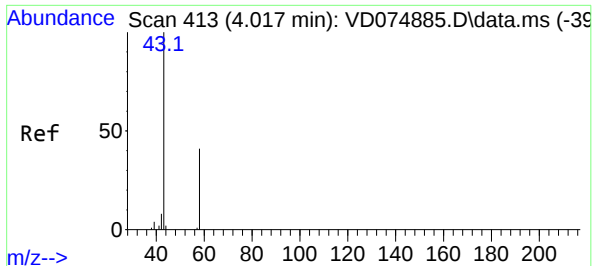
Tgt Ion: 50 Resp: 581  
Ion Ratio Lower Upper  
50 100  
52 0.0 30.0 45.0#



#10  
Methyl Iodide  
Concen: 4.964 ug/l  
RT: 4.181 min Scan# 441  
Delta R.T. 0.017 min  
Lab File: VD074916.D  
Acq: 12 Nov 2022 05:05

Tgt Ion: 142 Resp: 376  
Ion Ratio Lower Upper  
142 100  
127 0.0 31.9 47.9#  
141 0.0 11.4 17.2#

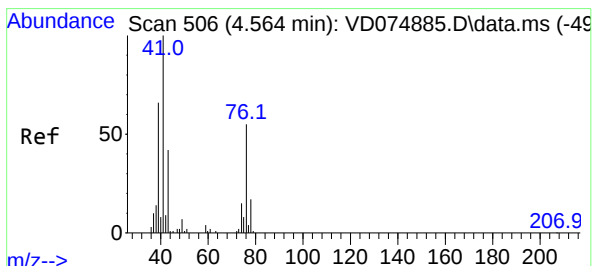
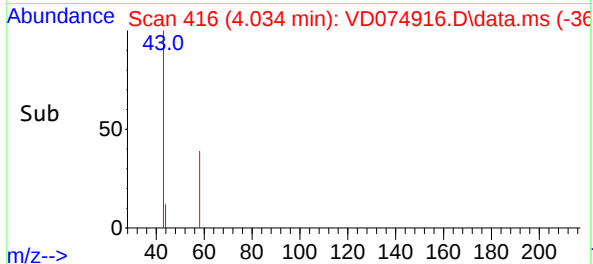
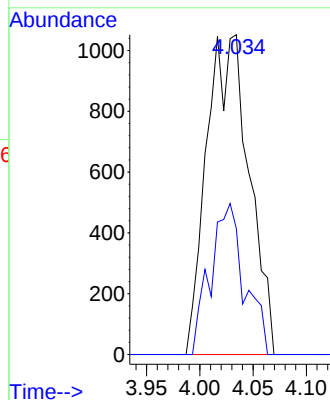
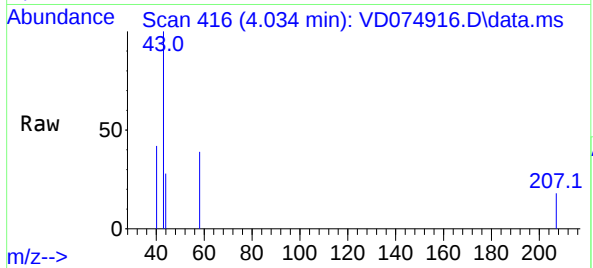




#16  
Acetone  
Concen: 12.276 ug/l  
RT: 4.034 min Scan# 41  
Delta R.T. 0.017 min  
Lab File: VD074916.D  
Acq: 12 Nov 2022 05:05

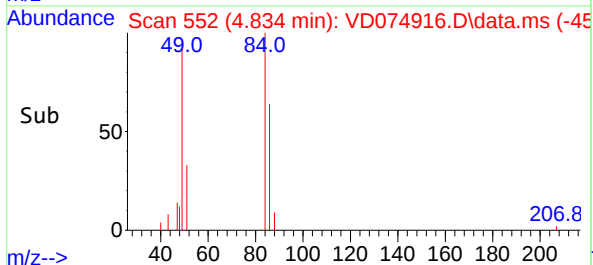
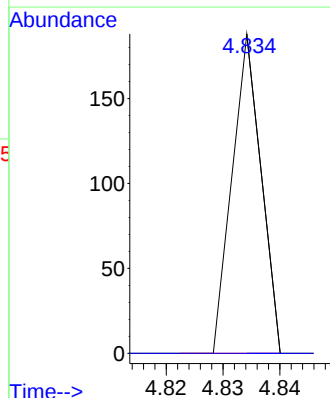
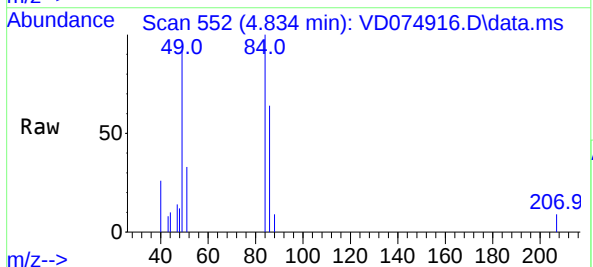
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-40B

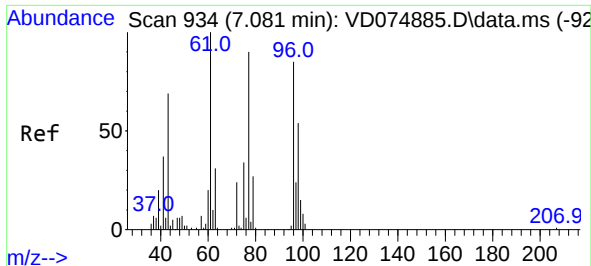
Tgt Ion: 43 Resp: 2918  
Ion Ratio Lower Upper  
43 100  
58 39.4 30.2 45.2



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.834 min Scan# 552  
Delta R.T. 0.270 min  
Lab File: VD074916.D  
Acq: 12 Nov 2022 05:05

Tgt Ion: 43 Resp: 66  
Ion Ratio Lower Upper  
43 100  
74 0.0 24.7 37.1#

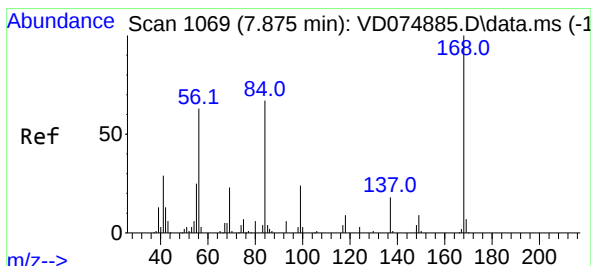
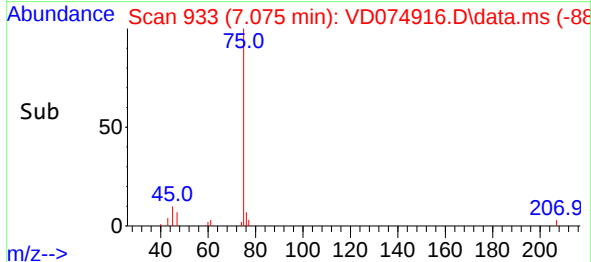
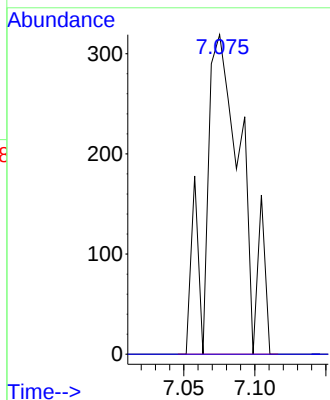
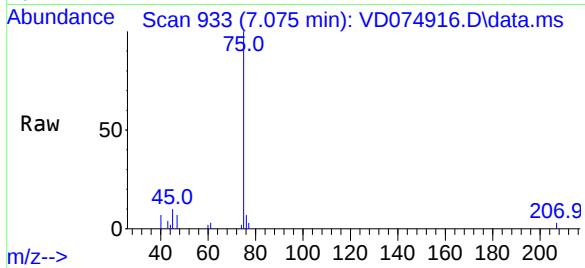




#25  
2-Butanone  
Concen: 1.843 ug/l  
RT: 7.075 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VD074916.D  
Acq: 12 Nov 2022 05:05

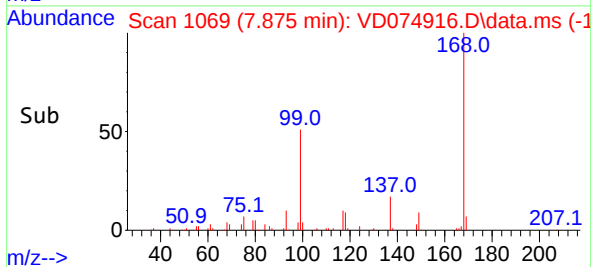
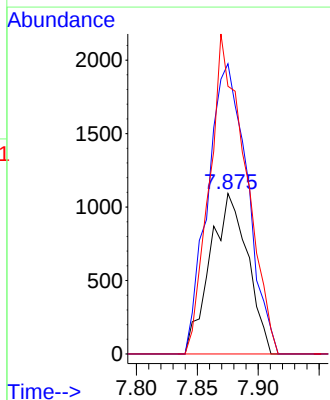
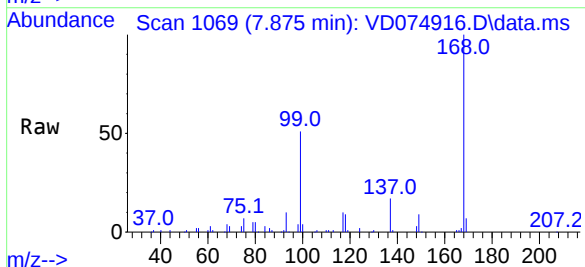
Instrument :  
MSVOA\_D  
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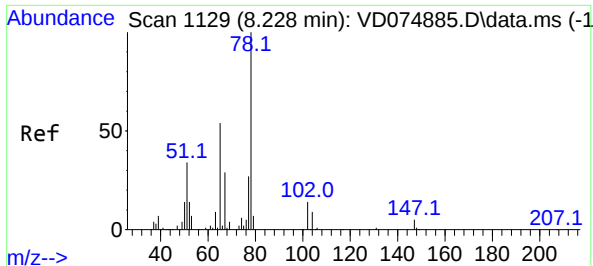
Tgt Ion: 43 Resp: 573  
Ion Ratio Lower Upper  
43 100  
72 0.0 25.8 38.8#



#31  
Cyclohexane  
Concen: 1.114 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD074916.D  
Acq: 12 Nov 2022 05:05

Tgt Ion: 56 Resp: 2339  
Ion Ratio Lower Upper  
56 100  
69 181.0 29.2 43.8#  
84 166.8 83.4 125.2#





#33

1,2-Dichloroethane-d4

Concen: 86.490 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD074916.D

Acq: 12 Nov 2022 05:05

Instrument :

MSVOA\_D

ClientSampleId :

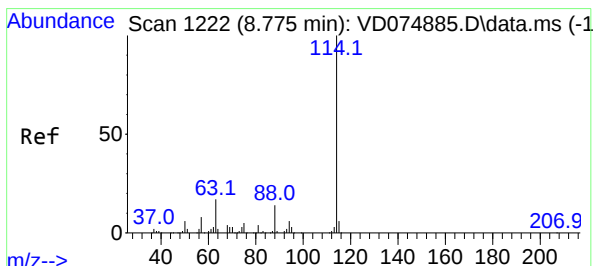
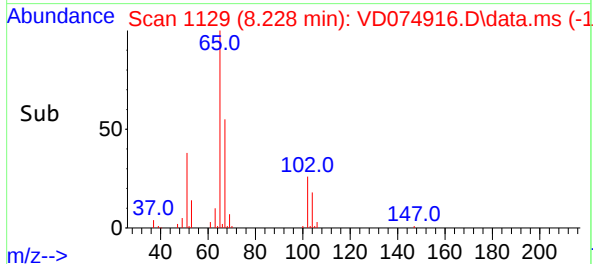
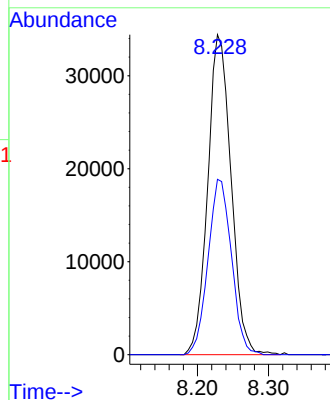
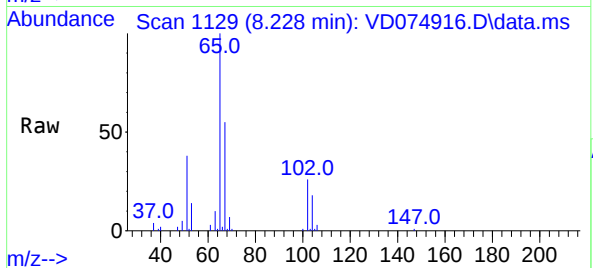
SB-40B

Tgt Ion: 65 Resp: 78611

Ion Ratio Lower Upper

65 100

67 55.0 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD074916.D

Acq: 12 Nov 2022 05:05

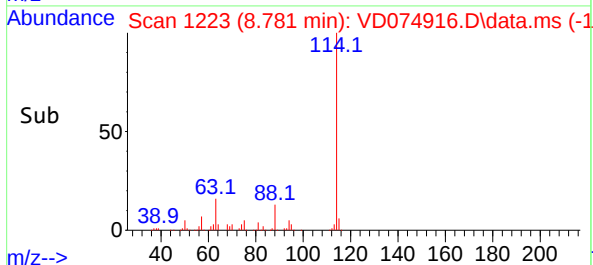
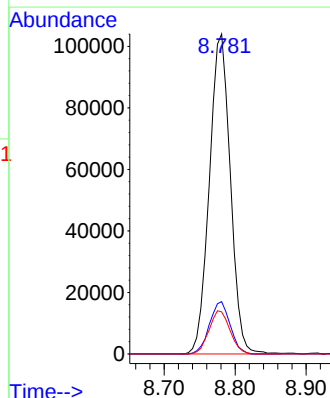
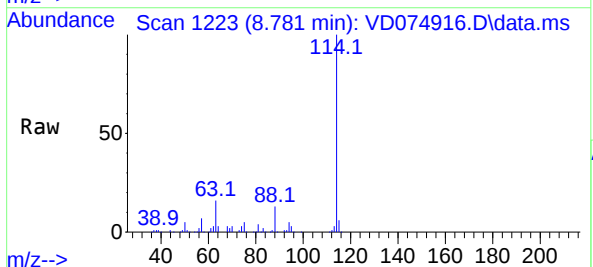
Tgt Ion: 114 Resp: 213112

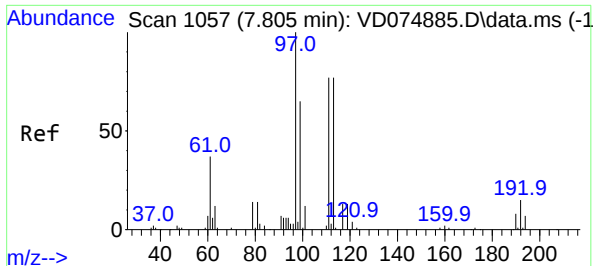
Ion Ratio Lower Upper

114 100

63 16.4 0.0 33.2

88 13.2 0.0 28.2

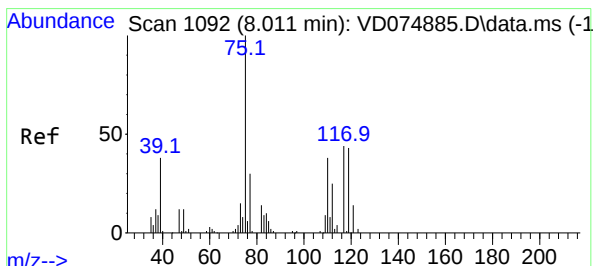
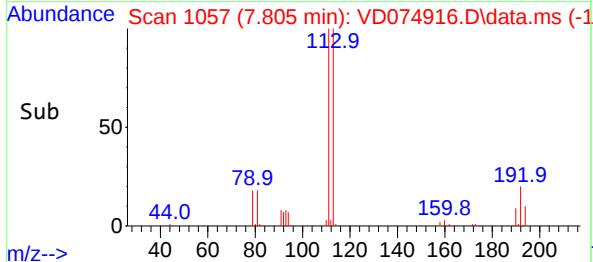
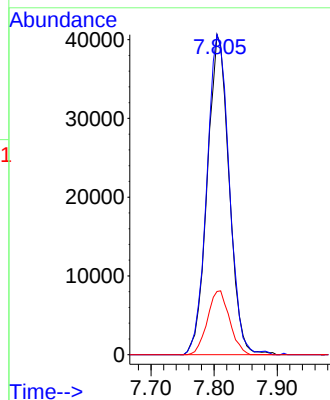
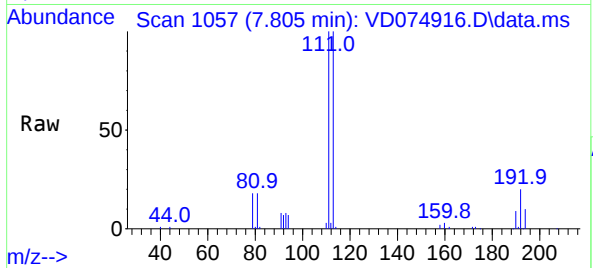




#35  
Dibromofluoromethane  
Concen: 74.136 ug/l  
RT: 7.805 min Scan# 1057  
Delta R.T. -0.000 min  
Lab File: VD074916.D  
Acq: 12 Nov 2022 05:05

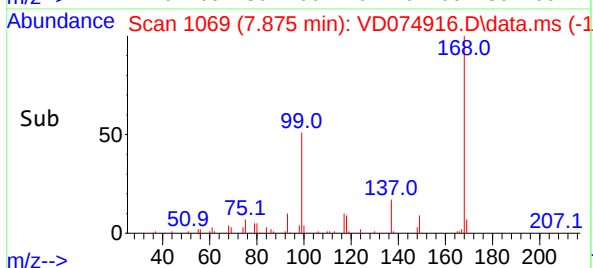
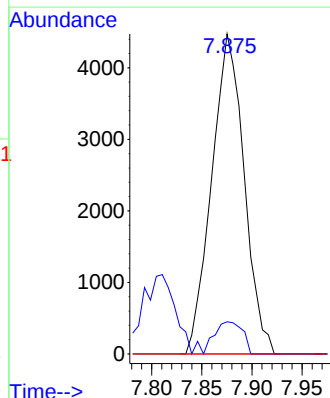
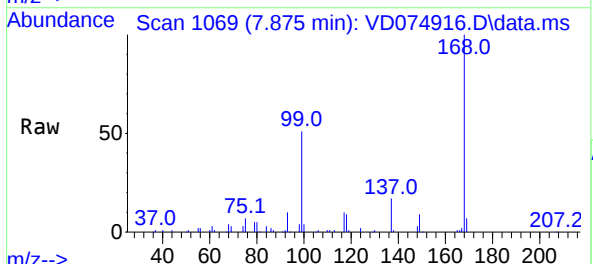
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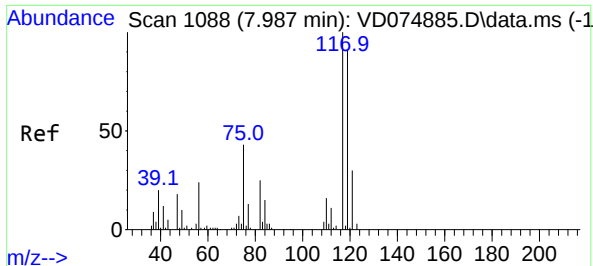
Tgt Ion:113 Resp: 97391  
Ion Ratio Lower Upper  
113 100  
111 102.3 82.3 123.5  
192 20.2 16.4 24.6



#36  
1,1-Dichloropropene  
Concen: 5.210 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.136 min  
Lab File: VD074916.D  
Acq: 12 Nov 2022 05:05

Tgt Ion: 75 Resp: 10058  
Ion Ratio Lower Upper  
75 100  
110 8.7 19.7 59.0#  
77 0.0 25.4 38.2#

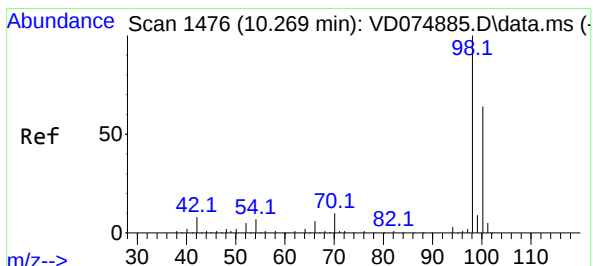
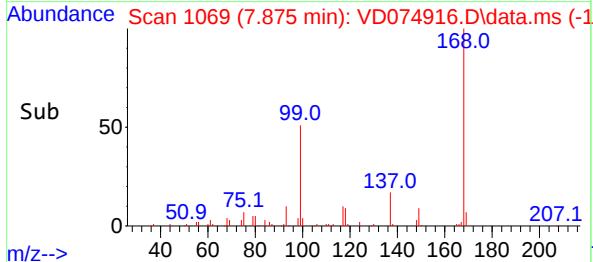
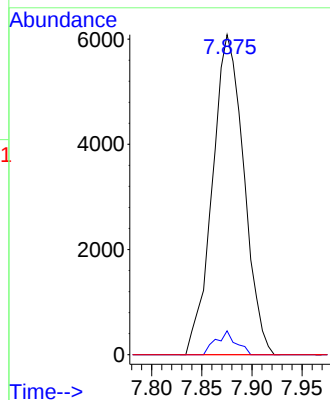
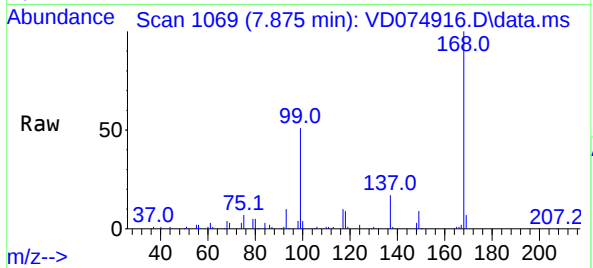




#38  
Carbon Tetrachloride  
Concen: 7.308 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.112 min  
Lab File: VD074916.D  
Acq: 12 Nov 2022 05:05

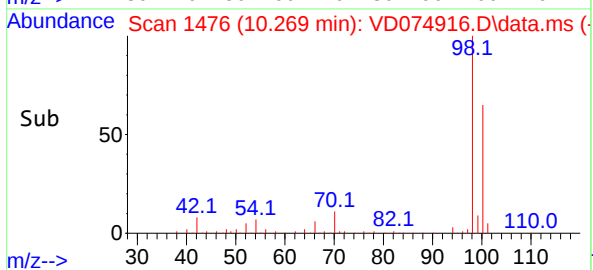
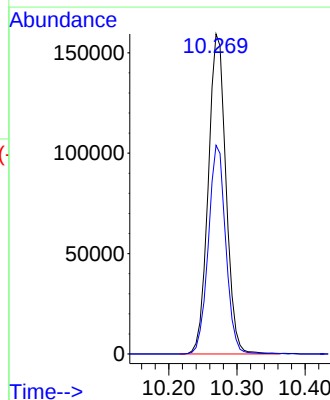
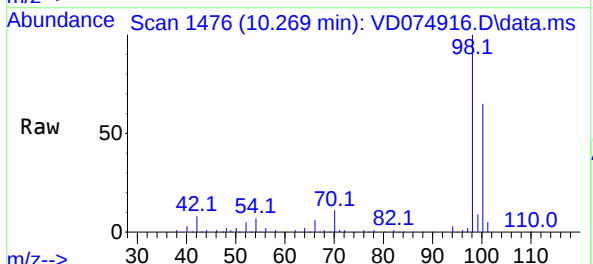
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-40B

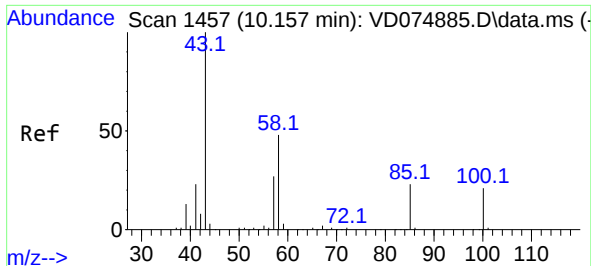
Tgt Ion:117 Resp: 13282  
Ion Ratio Lower Upper  
117 100  
119 7.4 73.1 109.7#  
121 0.0 25.0 37.6#



#50  
Toluene-d8  
Concen: 66.562 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD074916.D  
Acq: 12 Nov 2022 05:05

Tgt Ion: 98 Resp: 288037  
Ion Ratio Lower Upper  
98 100  
100 64.0 51.4 77.0

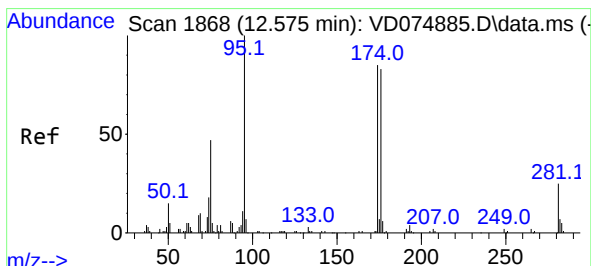
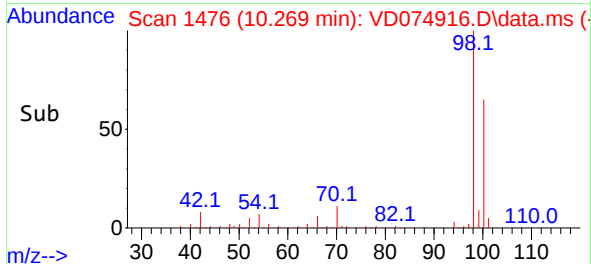
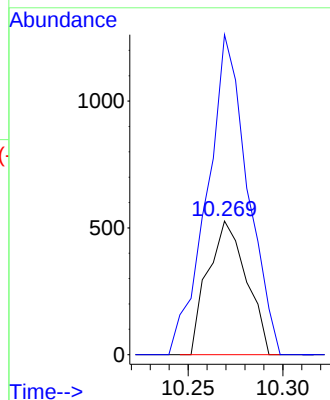
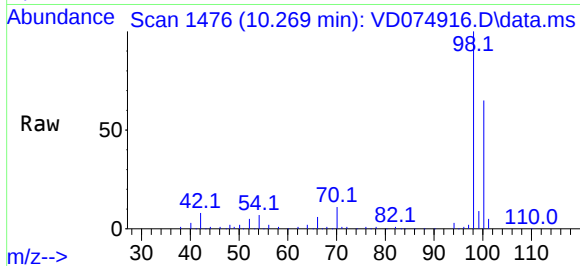




#51  
4-Methyl-2-Pentanone  
Concen: 1.373 ug/l  
RT: 10.269 min Scan# 1457  
Delta R.T. 0.112 min  
Lab File: VD074916.D  
Acq: 12 Nov 2022 05:05

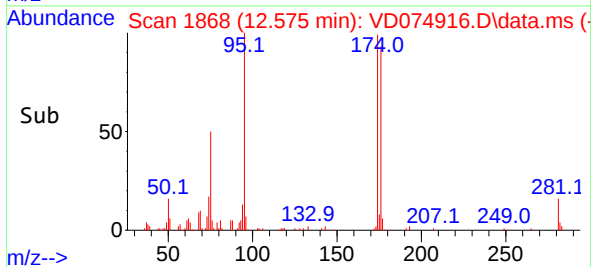
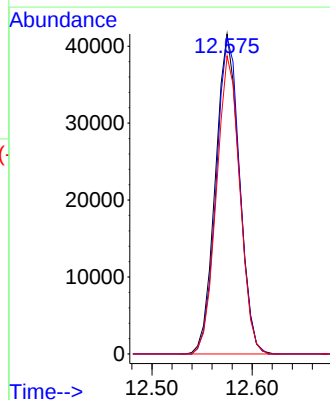
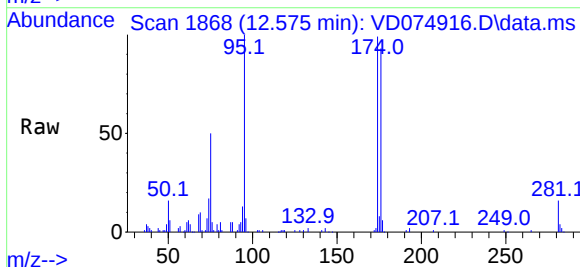
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-40B

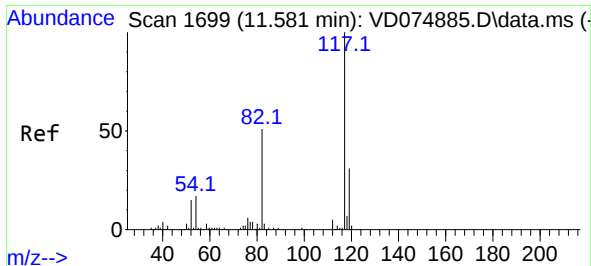
Tgt Ion: 43 Resp: 747  
Ion Ratio Lower Upper  
43 100  
58 251.5 37.8 56.6#



#62  
4-Bromofluorobenzene  
Concen: 51.583 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD074916.D  
Acq: 12 Nov 2022 05:05

Tgt Ion: 95 Resp: 68543  
Ion Ratio Lower Upper  
95 100  
174 97.7 0.0 197.0  
176 91.1 0.0 182.6

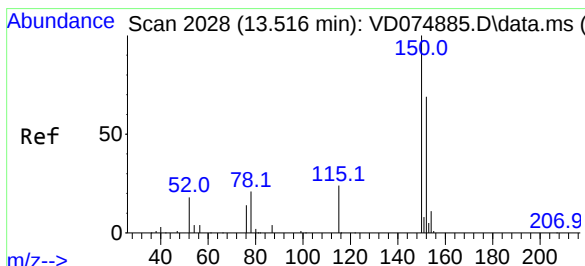
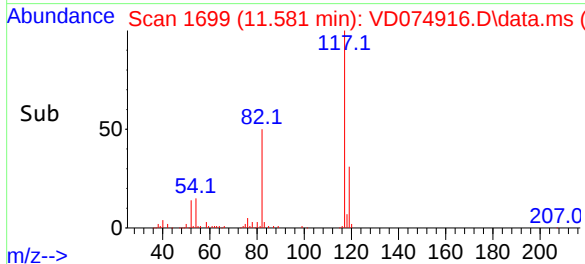
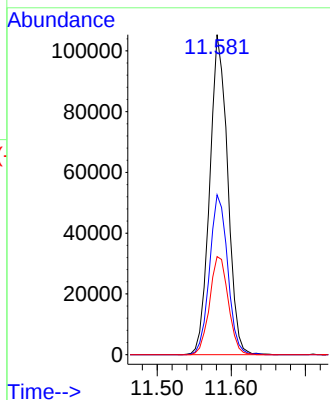
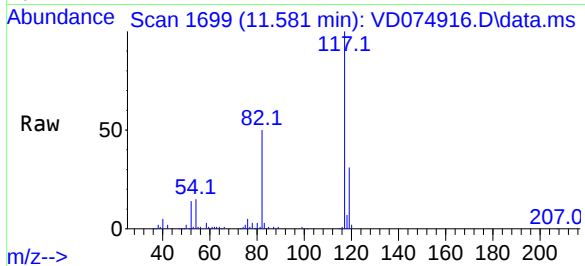




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VD074916.D  
Acq: 12 Nov 2022 05:05

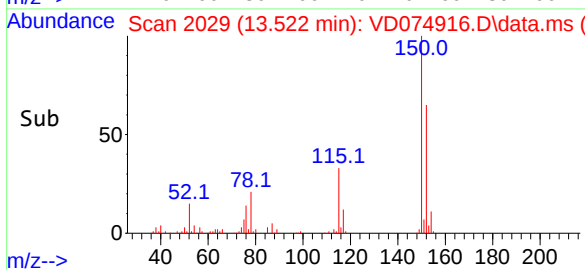
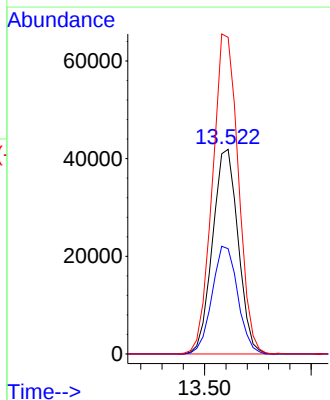
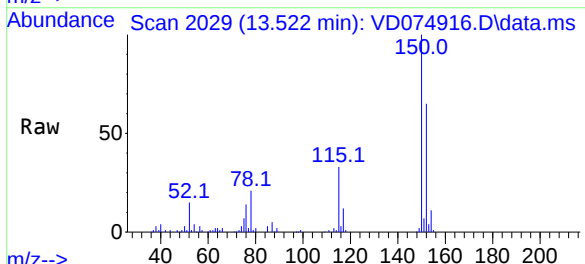
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-40B

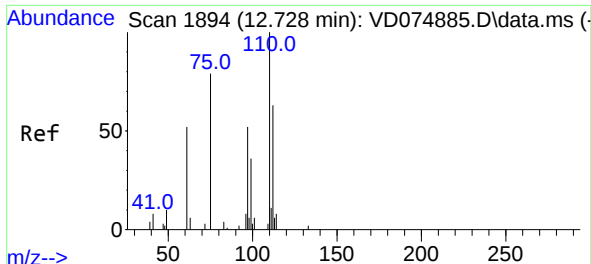
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 176925 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 49.9  | 41.6  | 62.4   |
| 119      | 30.7  | 25.2  | 37.8   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.522 min Scan# 2029  
Delta R.T. 0.006 min  
Lab File: VD074916.D  
Acq: 12 Nov 2022 05:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 69799 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 52.8  | 26.8  | 80.4  |
| 150      | 158.0 | 0.0   | 348.2 |

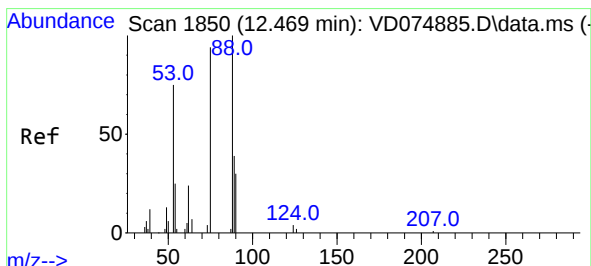
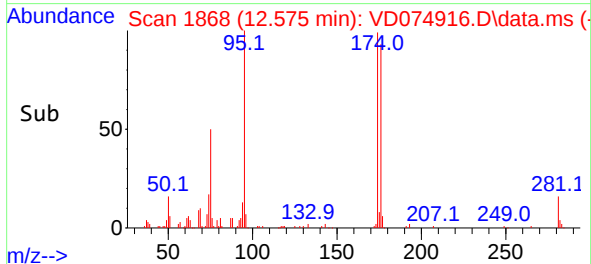
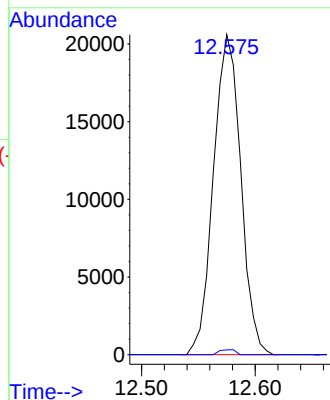
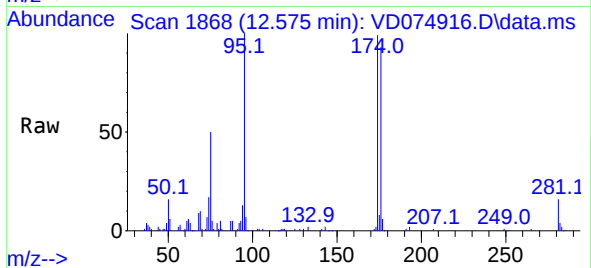




#76  
1,2,3-Trichloropropane  
Concen: 58.911 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.153 min  
Lab File: VD074916.D  
Acq: 12 Nov 2022 05:05

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-40B

Tgt Ion: 75 Resp: 34392  
Ion Ratio Lower Upper  
75 100  
77 0.9 185.8 557.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 144.922 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.106 min  
Lab File: VD074916.D  
Acq: 12 Nov 2022 05:05

Tgt Ion: 75 Resp: 34392  
Ion Ratio Lower Upper  
75 100  
53 0.0 63.8 95.6#  
89 0.0 38.2 57.4#

