

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD122821\  
 Data File : VD071513.D  
 Acq On : 28 Dec 2021 19:56  
 Operator : VA/SY  
 Sample : M5236-09  
 Misc : 6.49G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-6

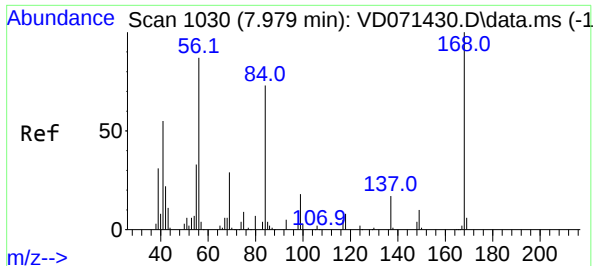
Quant Time: Dec 28 20:43:27 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D122221S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 23 08:20:24 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.979  | 168   | 377776   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.861  | 114   | 671659   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.638 | 117   | 630363   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.567 | 152   | 279726   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.326  | 65    | 224195   | 44.685    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 89.380%  |
| 35) Dibromofluoromethane      | 7.914  | 113   | 205673   | 45.563    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 91.120%  |
| 50) Toluene-d8                | 10.332 | 98    | 839938   | 49.238    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 98.480%  |
| 62) 4-Bromofluorobenzene      | 12.620 | 95    | 284415   | 46.919    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 93.840%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 11) Tert butyl alcohol        | 5.191  | 59    | 55       | Below Cal | #      | 71       |
| 16) Acetone                   | 4.162  | 43    | 1654     | 1.312     | ug/l # | 40       |
| 20) Methylene Chloride        | 4.962  | 84    | 14414    | Below Cal | #      | 92       |
| 31) Cyclohexane               | 7.979  | 56    | 11648    | 1.367     | ug/l # | 32       |
| 36) 1,1-Dichloropropene       | 7.979  | 75    | 34558    | 4.792     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 7.979  | 117   | 42205    | 5.932     | ug/l # | 16       |
| 51) 4-Methyl-2-Pentanone      | 10.332 | 43    | 4828     | 1.389     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.626 | 75    | 163235   | 49.113    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.626 | 75    | 163235   | 138.771   | ug/l # | 18       |
| -----                         |        |       |          |           |        |          |

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

Quant Time: Dec 28 20:43:27 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D122221S.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 23 08:20:24 2021  
Response via : Initial Calibration

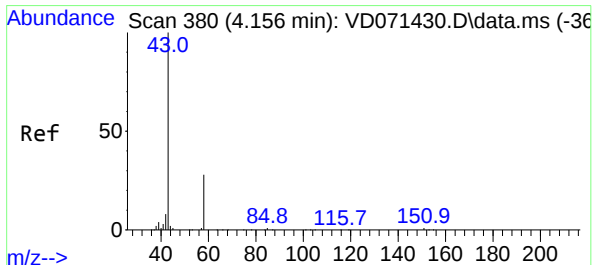
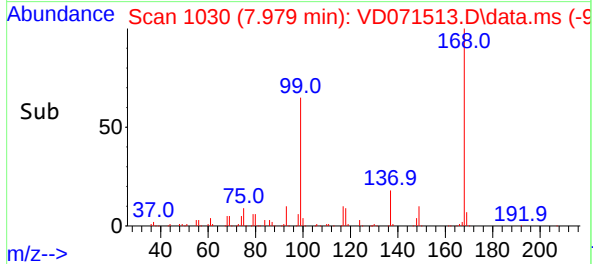
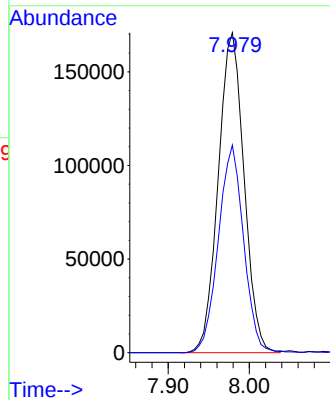
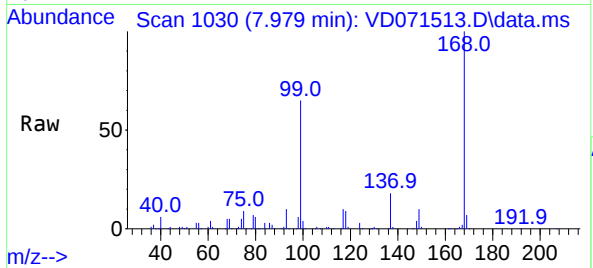




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 10  
Delta R.T. 0.006 min  
Lab File: VD071513.D  
Acq: 28 Dec 2021 19:56

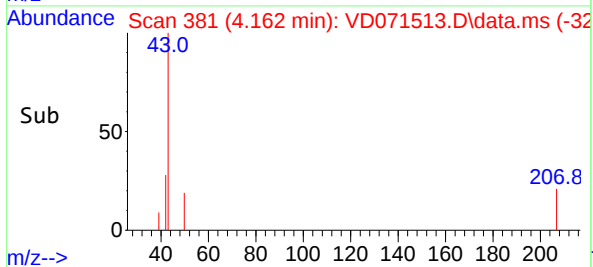
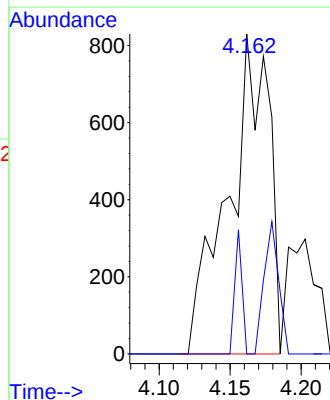
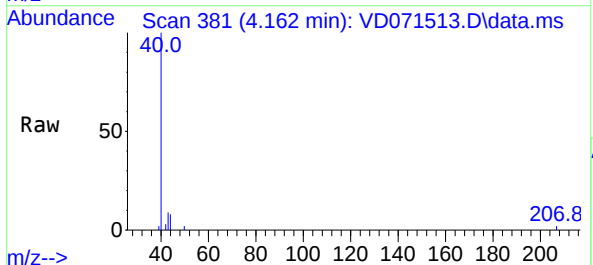
Instrument :  
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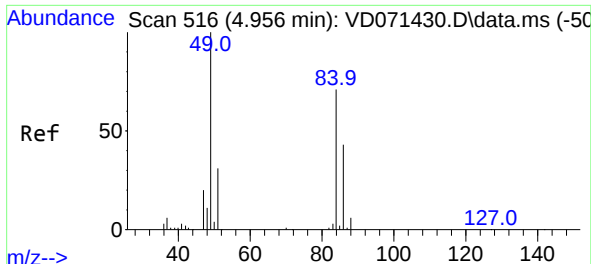
Tgt Ion:168 Resp: 377776  
Ion Ratio Lower Upper  
168 100  
99 64.9 46.6 69.8



#16  
Acetone  
Concen: 1.312 ug/l  
RT: 4.162 min Scan# 381  
Delta R.T. 0.006 min  
Lab File: VD071513.D  
Acq: 28 Dec 2021 19:56

Tgt Ion: 43 Resp: 1654  
Ion Ratio Lower Upper  
43 100  
58 0.0 27.8 41.8#

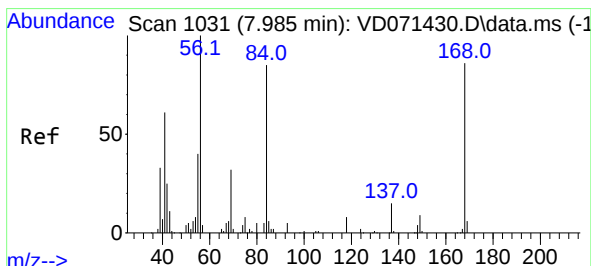
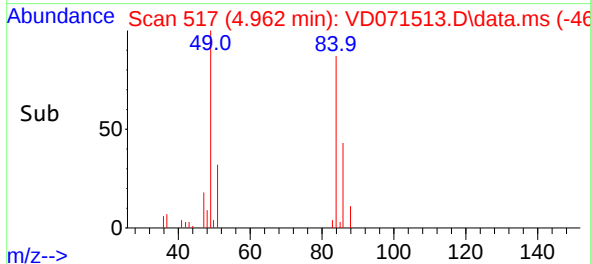
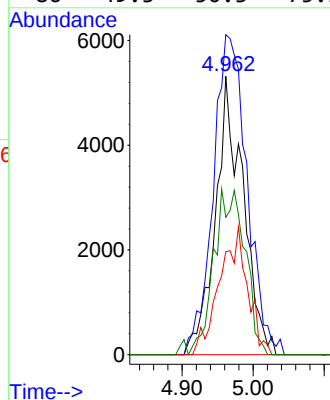
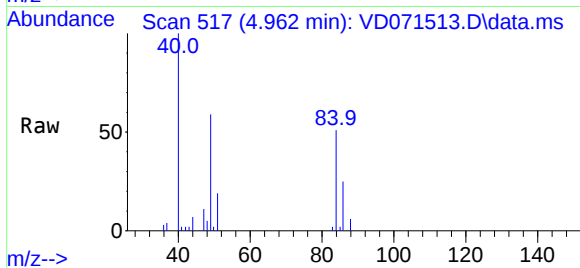




#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.962 min Scan# 51  
Delta R.T. 0.001 min  
Lab File: VD071513.D  
Acq: 28 Dec 2021 19:56

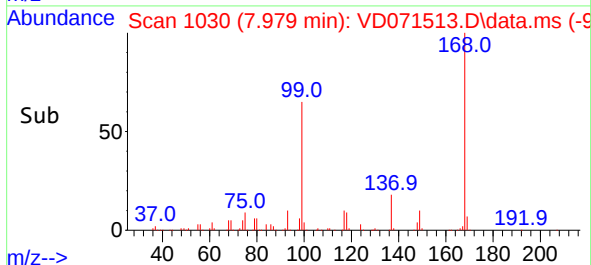
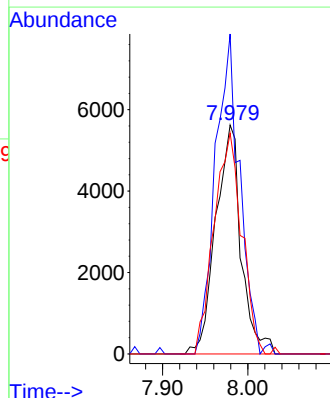
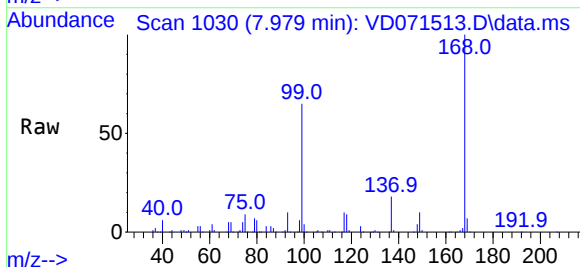
Instrument :  
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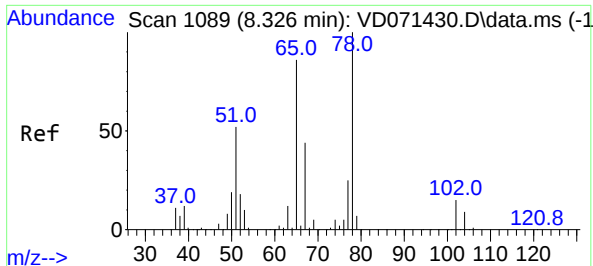
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 14414 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 114.9 | 95.8  | 143.6 |
| 51       | 37.0  | 30.9  | 46.3  |
| 86       | 49.3  | 50.3  | 75.5# |



#31  
Cyclohexane  
Concen: 1.367 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: VD071513.D  
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 11648 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 139.8 | 25.9  | 38.9# |
| 84       | 96.5  | 64.3  | 96.5# |





#33

1,2-Dichloroethane-d4

Concen: 44.685 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD071513.D

Acq: 28 Dec 2021 19:56

Instrument :

MSVOA\_D

ClientSampleId :

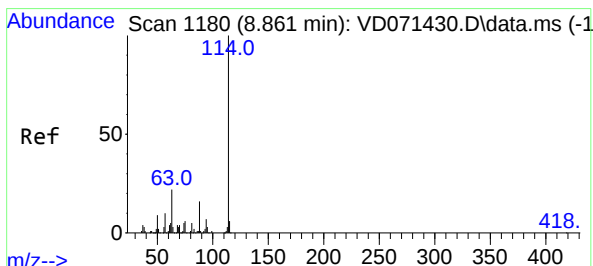
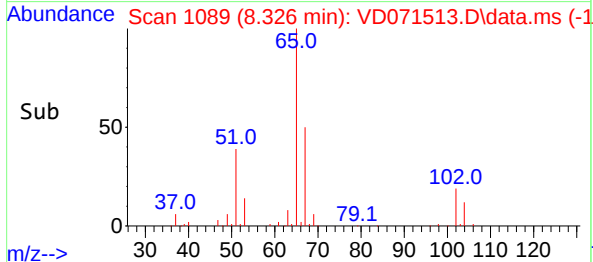
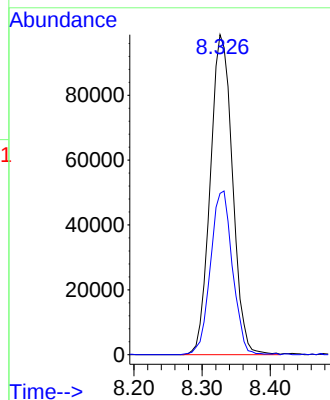
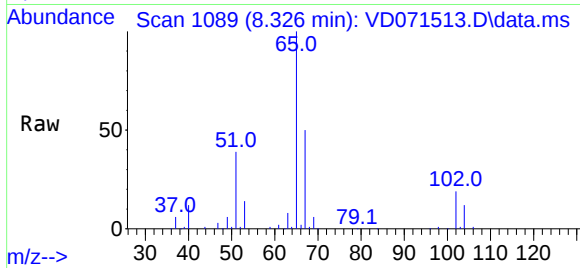
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Tgt Ion: 65 Resp: 224195

Ion Ratio Lower Upper

65 100

67 50.7 0.0 112.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071513.D

Acq: 28 Dec 2021 19:56

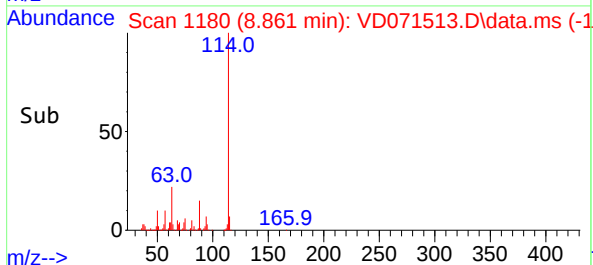
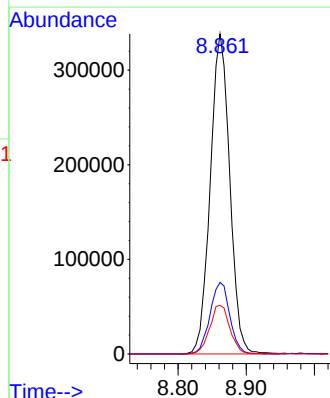
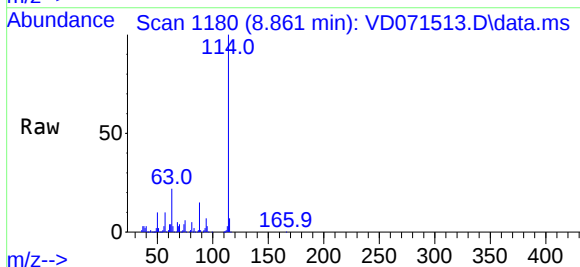
Tgt Ion: 114 Resp: 671659

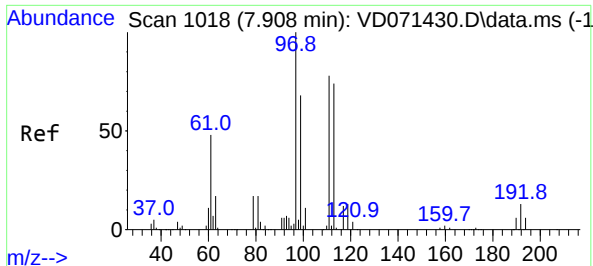
Ion Ratio Lower Upper

114 100

63 22.3 0.0 41.8

88 15.2 0.0 32.8

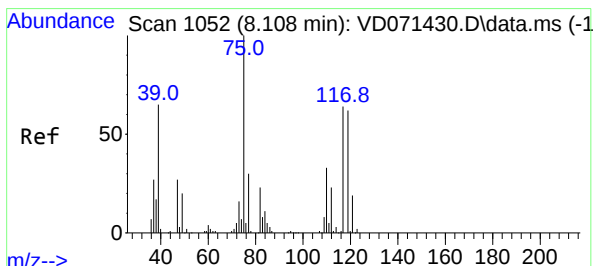
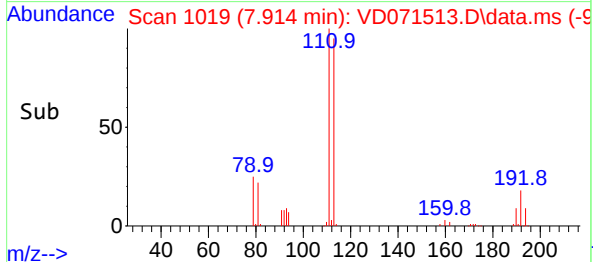
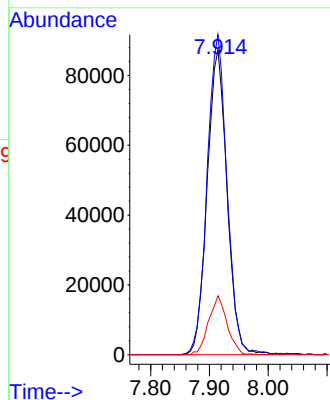
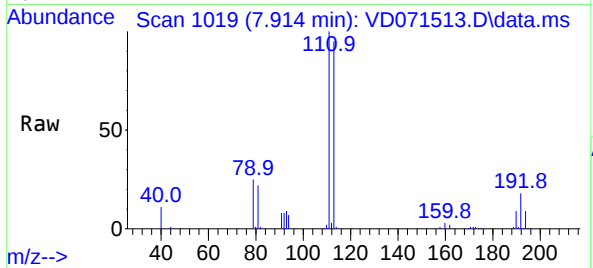




#35  
Dibromofluoromethane  
Concen: 45.563 ug/l  
RT: 7.914 min Scan# 1018  
Delta R.T. 0.006 min  
Lab File: VD071513.D  
Acq: 28 Dec 2021 19:56

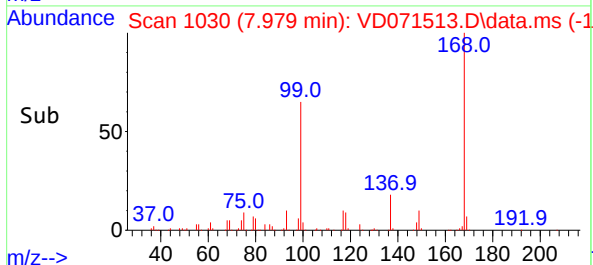
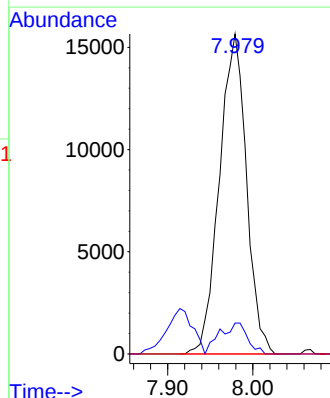
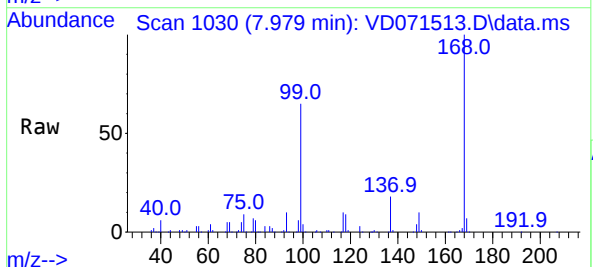
Instrument :  
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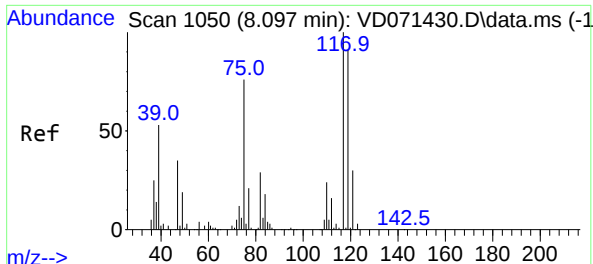
Tgt Ion:113 Resp: 205673  
Ion Ratio Lower Upper  
113 100  
111 104.8 82.0 123.0  
192 18.0 15.2 22.8



#36  
1,1-Dichloropropene  
Concen: 4.792 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.129 min  
Lab File: VD071513.D  
Acq: 28 Dec 2021 19:56

Tgt Ion: 75 Resp: 34558  
Ion Ratio Lower Upper  
75 100  
110 9.9 17.8 53.4#  
77 0.0 24.8 37.2#

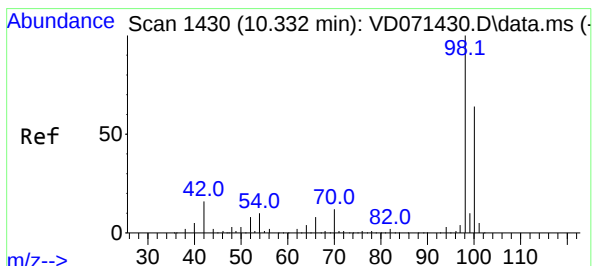
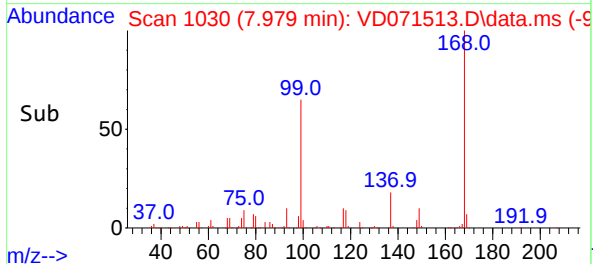
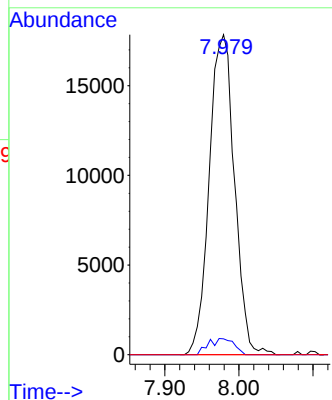
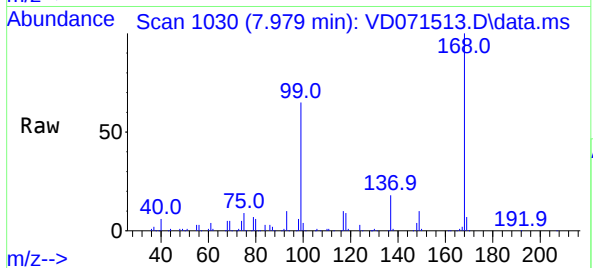




#38  
Carbon Tetrachloride  
Concen: 5.932 ug/l  
RT: 7.979 min Scan# 1050  
Delta R.T. -0.118 min  
Lab File: VD071513.D  
Acq: 28 Dec 2021 19:56

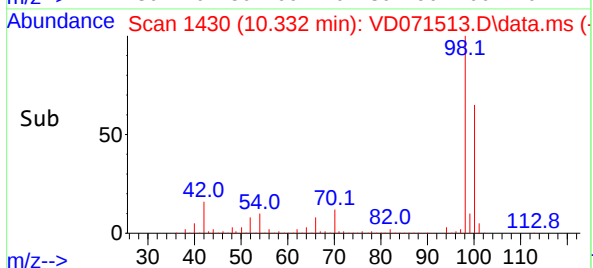
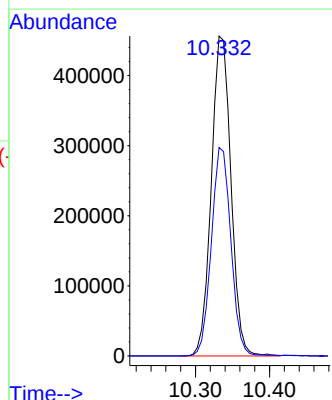
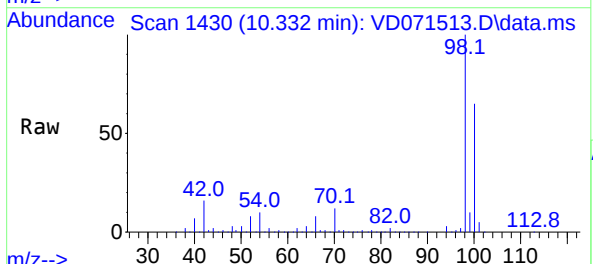
Instrument :  
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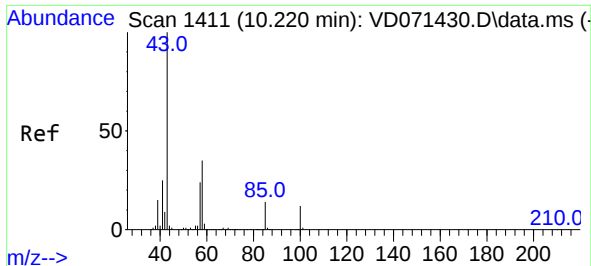
Tgt Ion:117 Resp: 42205  
Ion Ratio Lower Upper  
117 100  
119 5.0 75.8 113.6#  
121 0.0 23.6 35.4#



#50  
Toluene-d8  
Concen: 49.238 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD071513.D  
Acq: 28 Dec 2021 19:56

Tgt Ion: 98 Resp: 839938  
Ion Ratio Lower Upper  
98 100  
100 64.8 51.8 77.6

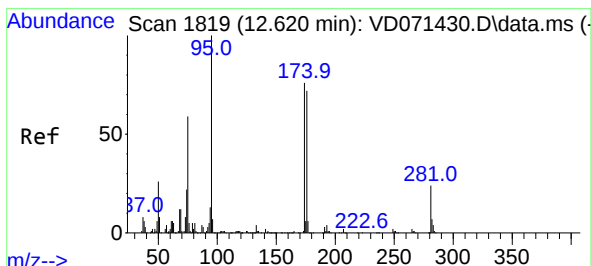
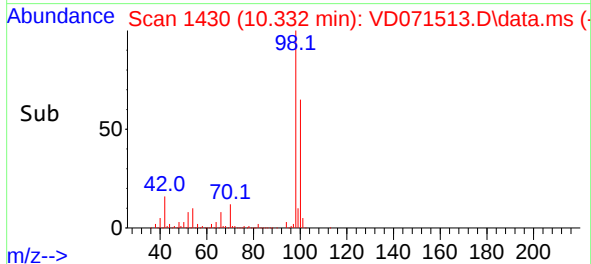
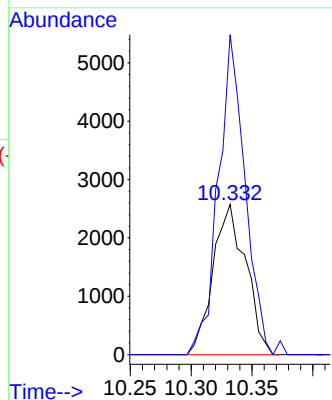
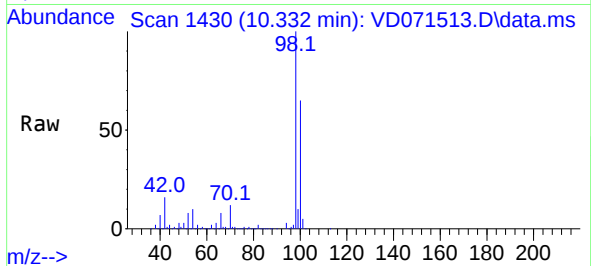




#51  
4-Methyl-2-Pentanone  
Concen: 1.389 ug/l  
RT: 10.332 min Scan# 1411  
Delta R.T. 0.112 min  
Lab File: VD071513.D  
Acq: 28 Dec 2021 19:56

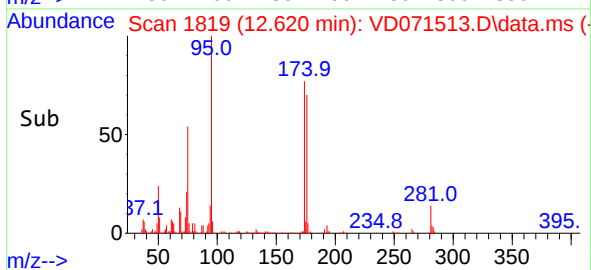
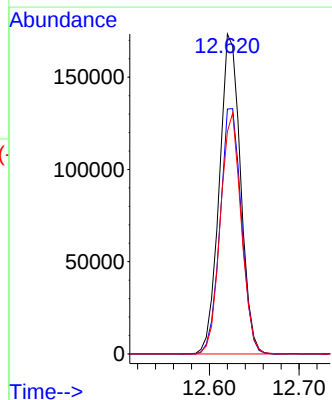
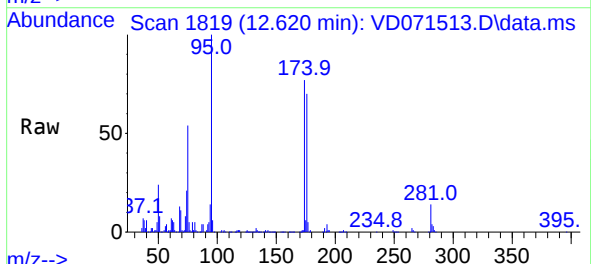
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ClientSampleId :  
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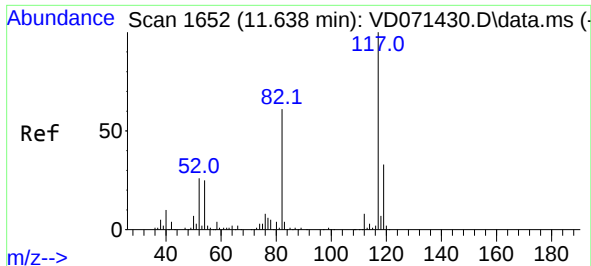
Tgt Ion: 43 Resp: 4828  
Ion Ratio Lower Upper  
43 100  
58 175.5 33.1 49.7#



#62  
4-Bromofluorobenzene  
Concen: 46.919 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.006 min  
Lab File: VD071513.D  
Acq: 28 Dec 2021 19:56

Tgt Ion: 95 Resp: 284415  
Ion Ratio Lower Upper  
95 100  
174 77.3 0.0 159.4  
176 74.0 0.0 154.0

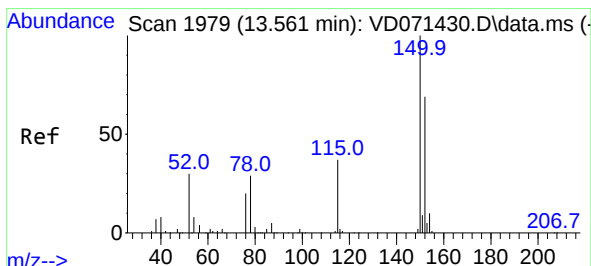
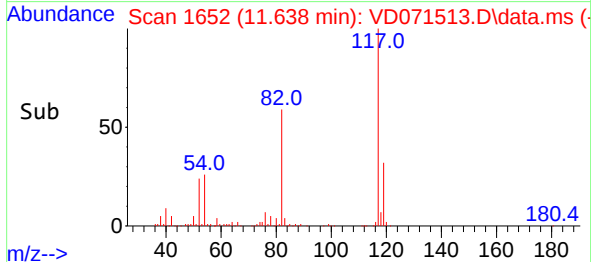
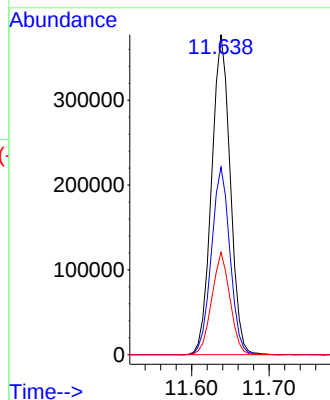
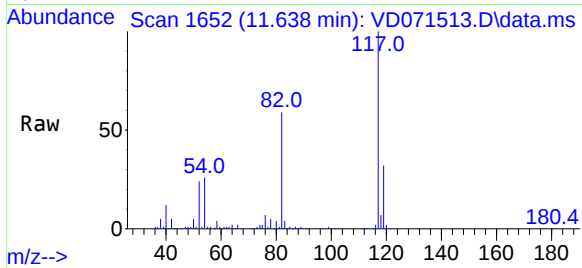




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VD071513.D  
Acq: 28 Dec 2021 19:56

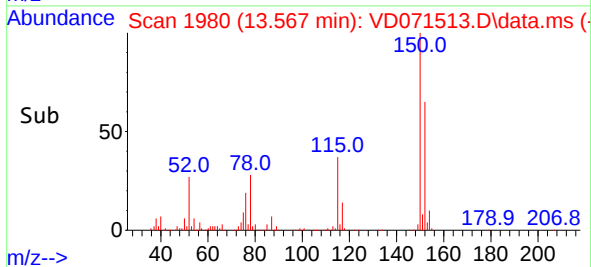
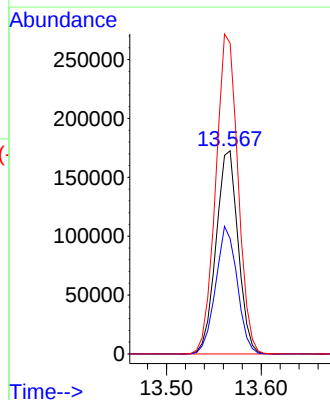
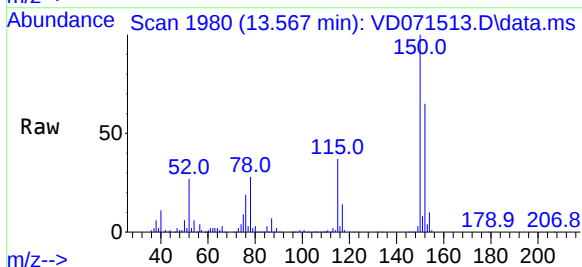
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-6

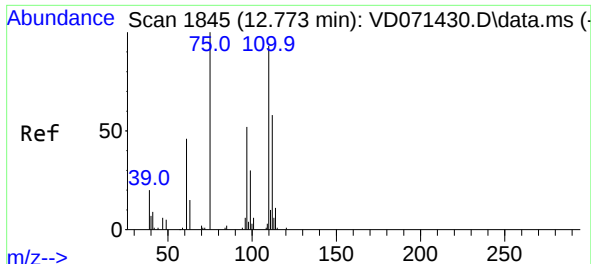
Tgt Ion:117 Resp: 630363  
Ion Ratio Lower Upper  
117 100  
82 58.6 44.7 67.1  
119 32.0 26.2 39.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. 0.006 min  
Lab File: VD071513.D  
Acq: 28 Dec 2021 19:56

Tgt Ion:152 Resp: 279726  
Ion Ratio Lower Upper  
152 100  
115 61.4 29.8 89.3  
150 158.5 0.0 349.2

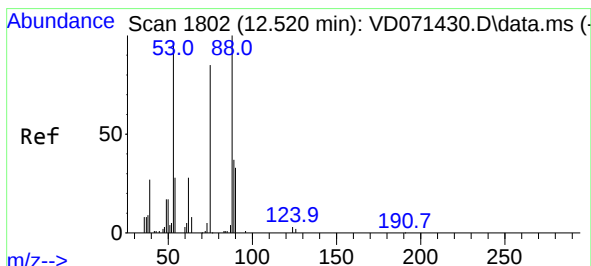
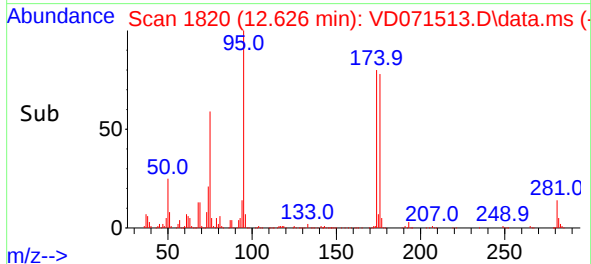
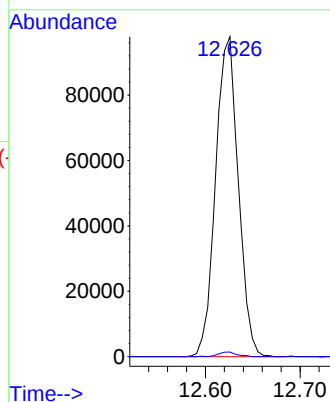
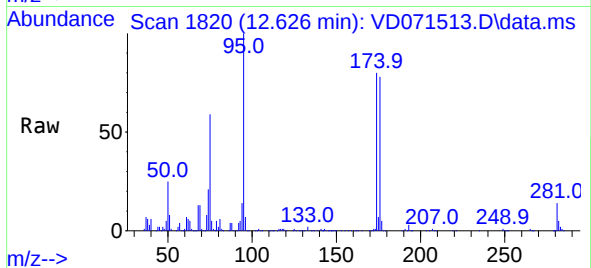




#76  
1,2,3-Trichloropropane  
Concen: 49.113 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.147 min  
Lab File: VD071513.D  
Acq: 28 Dec 2021 19:56

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-6

Tgt Ion: 75 Resp: 163235  
Ion Ratio Lower Upper  
75 100  
77 1.2 158.4 475.3#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 138.771 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.106 min  
Lab File: VD071513.D  
Acq: 28 Dec 2021 19:56

Tgt Ion: 75 Resp: 163235  
Ion Ratio Lower Upper  
75 100  
53 0.0 62.6 94.0#  
89 0.1 34.5 51.7#

