

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD122321\  
 Data File : VD071446.D  
 Acq On : 23 Dec 2021 16:45  
 Operator : VA/SY  
 Sample : VIBLK  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VIBLK

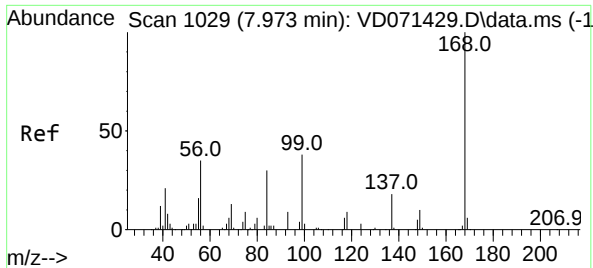
Quant Time: Dec 24 03:31:43 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D122221S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 23 08:20:24 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 7.979          | 168  | 451220     | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.861          | 114  | 804077     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.638         | 117  | 717006     | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.561         | 152  | 311998     | 50.000    | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.326          | 65   | 274566     | 45.818    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = | 91.640%   |        |          |
| 35) Dibromofluoromethane      | 7.914          | 113  | 256659     | 47.494    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = | 94.980%   |        |          |
| 50) Toluene-d8                | 10.338         | 98   | 1012472    | 49.578    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = | 99.160%   |        |          |
| 62) 4-Bromofluorobenzene      | 12.626         | 95   | 323299     | 44.551    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = | 89.100%   |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        |          |
| 11) Tert butyl alcohol        | 5.173          | 59   | 4503       | Below Cal | #      | 71       |
| 16) Acetone                   | 4.162          | 43   | 3480       | 2.312     | ug/l # | 73       |
| 20) Methylene Chloride        | 4.968          | 84   | 34388      | Below Cal |        | 94       |
| 31) Cyclohexane               | 7.979          | 56   | 13525      | 1.329     | ug/l # | 44       |
| 36) 1,1-Dichloropropene       | 7.979          | 75   | 41697      | 4.830     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 7.973          | 117  | 47387      | 5.563     | ug/l # | 16       |
| 49) 1,4-Dioxane               | 9.667          | 88   | 63         | 1.676     | ug/l # | 23       |
| 76) 1,2,3-Trichloropropane    | 12.626         | 75   | 183386     | 49.469    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.626         | 75   | 183386     | 139.776   | ug/l # | 18       |
| -----                         |                |      |            |           |        |          |

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

Quant Time: Dec 24 03:31:43 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

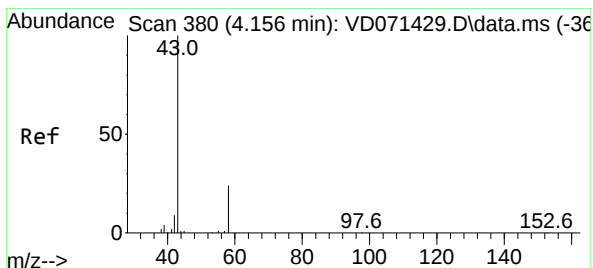
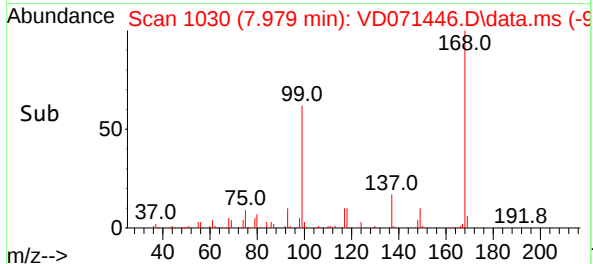
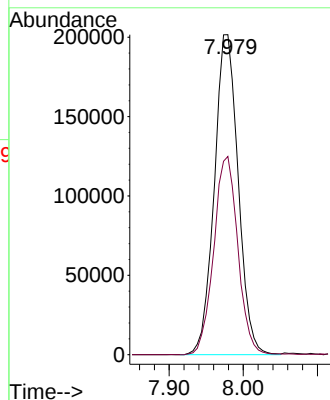
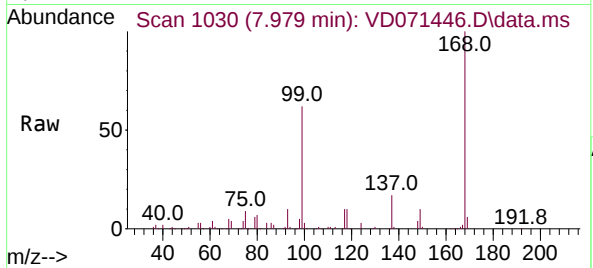




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1029  
Delta R.T. 0.006 min  
Lab File: VD071446.D  
Acq: 23 Dec 2021 16:45

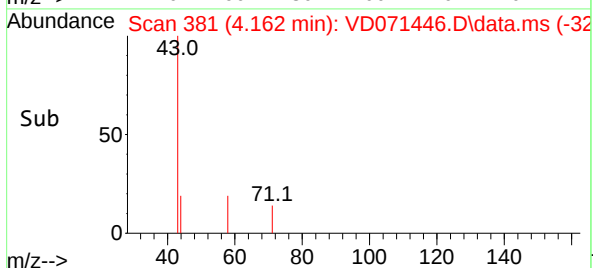
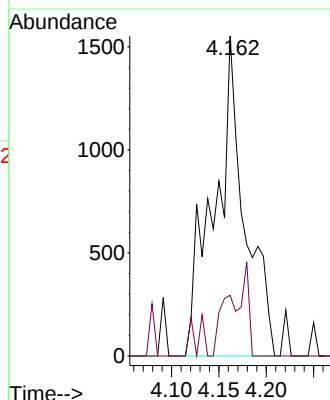
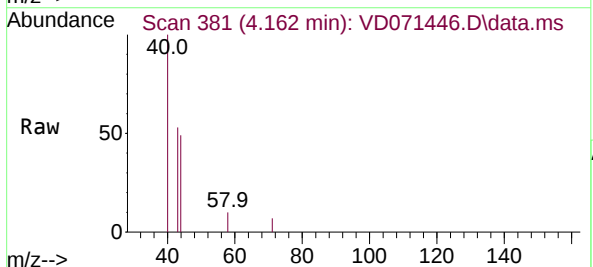
Instrument :  
MSVOA\_D  
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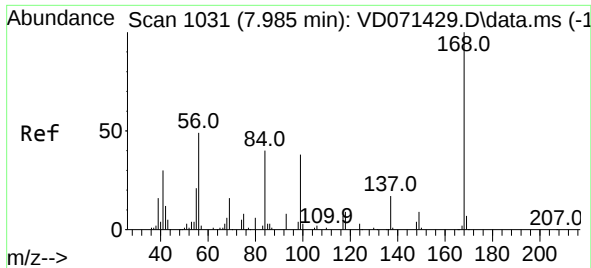
Tgt Ion:168 Resp: 451220  
Ion Ratio Lower Upper  
168 100  
99 62.0 46.6 69.8



#16  
Acetone  
Concen: 2.312 ug/l  
RT: 4.162 min Scan# 381  
Delta R.T. 0.006 min  
Lab File: VD071446.D  
Acq: 23 Dec 2021 16:45

Tgt Ion: 43 Resp: 3480  
Ion Ratio Lower Upper  
43 100  
58 18.9 27.8 41.8#

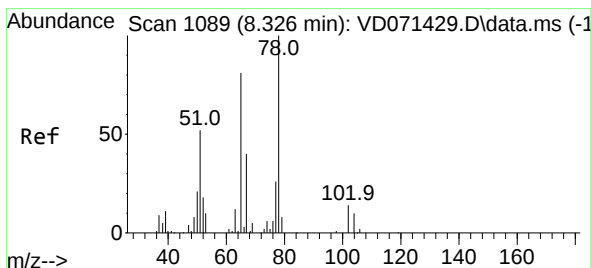
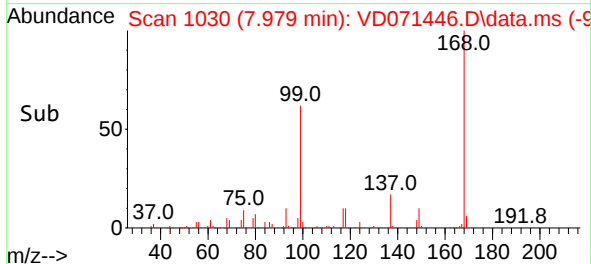
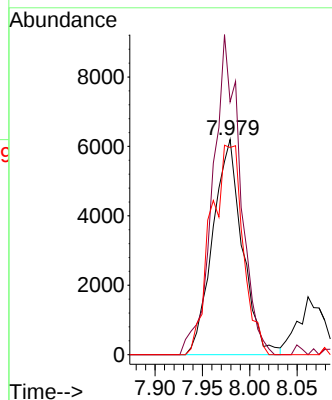
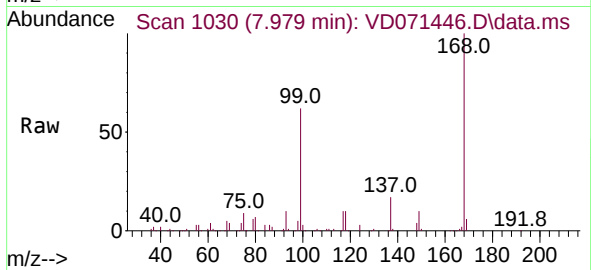




#31  
Cyclohexane  
Concen: 1.329 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: VD071446.D  
Acq: 23 Dec 2021 16:45

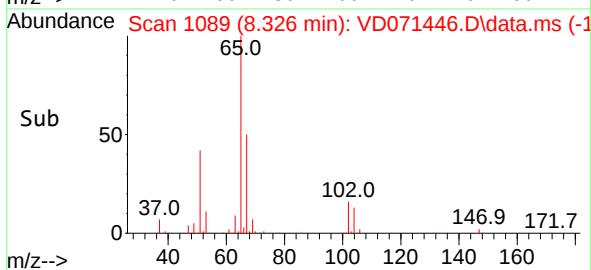
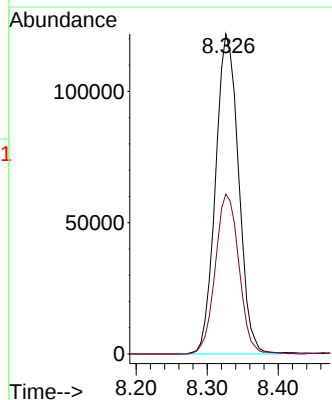
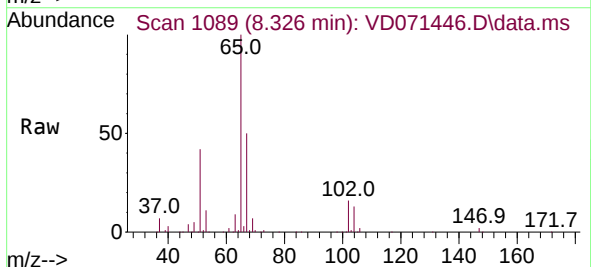
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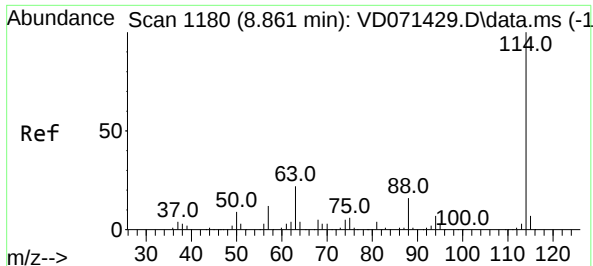
Tgt Ion: 56 Resp: 13525  
Ion Ratio Lower Upper  
56 100  
69 117.4 25.9 38.9#  
84 96.3 64.3 96.5



#33  
1,2-Dichloroethane-d4  
Concen: 45.818 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. 0.000 min  
Lab File: VD071446.D  
Acq: 23 Dec 2021 16:45

Tgt Ion: 65 Resp: 274566  
Ion Ratio Lower Upper  
65 100  
67 51.3 0.0 112.2

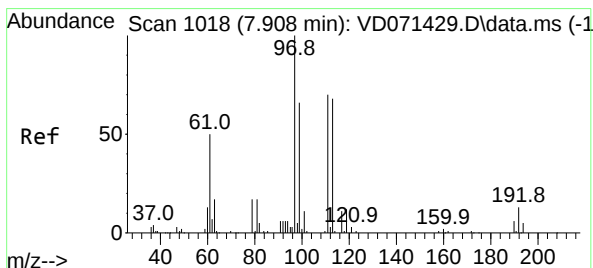
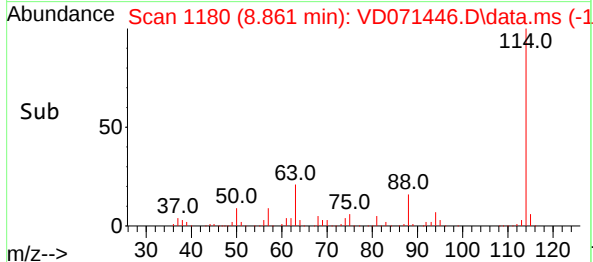
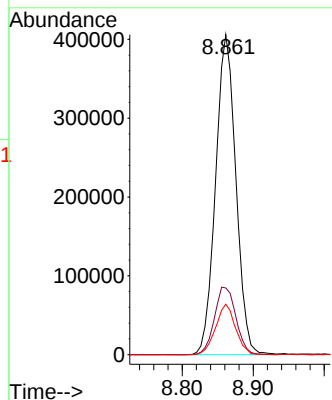
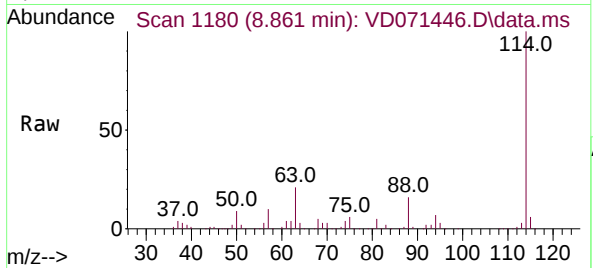




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. 0.000 min  
Lab File: VD071446.D  
Acq: 23 Dec 2021 16:45

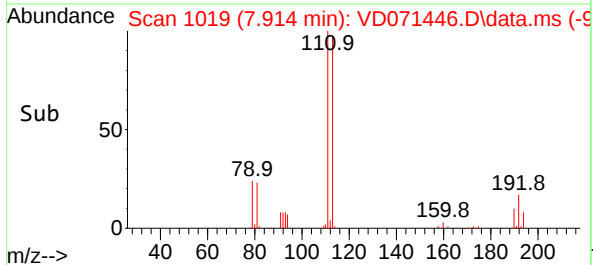
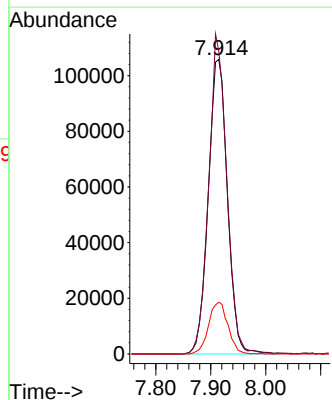
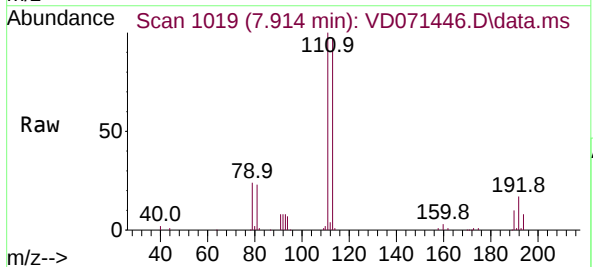
Instrument :  
MSVOA\_D  
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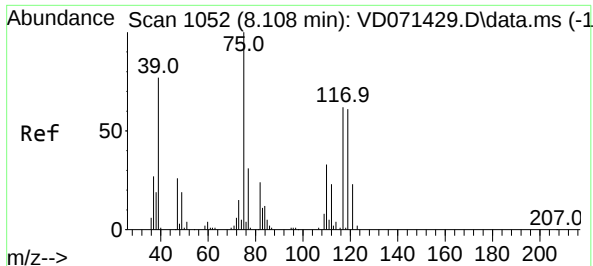
Tgt Ion:114 Resp: 804077  
Ion Ratio Lower Upper  
114 100  
63 20.9 0.0 41.8  
88 15.8 0.0 32.8



#35  
Dibromofluoromethane  
Concen: 47.494 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. 0.006 min  
Lab File: VD071446.D  
Acq: 23 Dec 2021 16:45

Tgt Ion:113 Resp: 256659  
Ion Ratio Lower Upper  
113 100  
111 102.5 82.0 123.0  
192 17.7 15.2 22.8





#36

1,1-Dichloropropene

Concen: 4.830 ug/l

RT: 7.979 min Scan# 1029

Delta R.T. -0.129 min

Lab File: VD071446.D

Acq: 23 Dec 2021 16:45

Instrument :

MSVOA\_D

ClientSampleId :

VIBLK

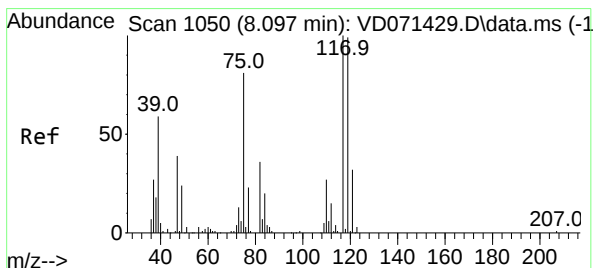
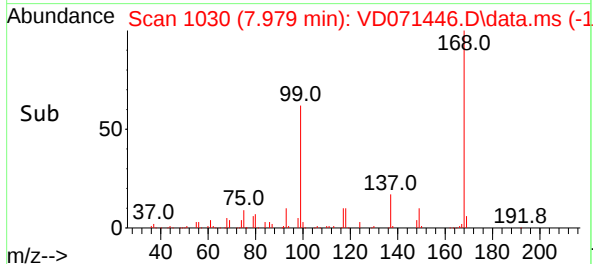
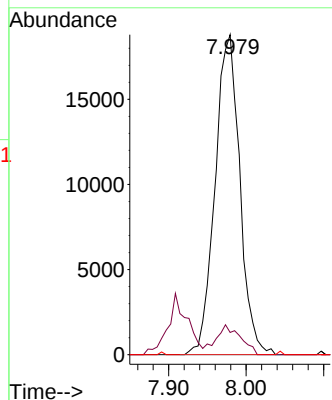
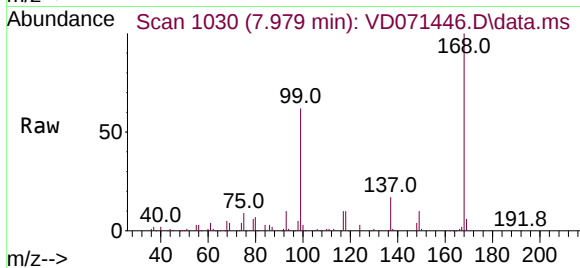
Tgt Ion: 75 Resp: 41697

Ion Ratio Lower Upper

75 100

110 9.2 17.8 53.4#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.563 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.124 min

Lab File: VD071446.D

Acq: 23 Dec 2021 16:45

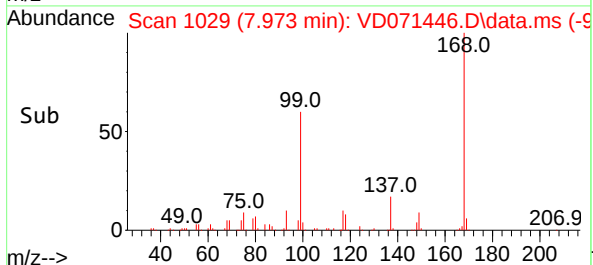
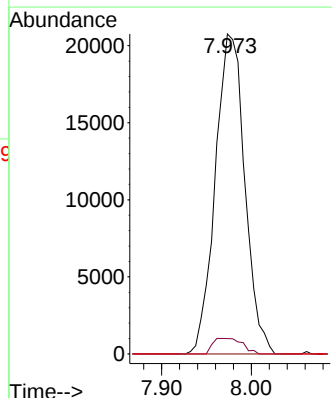
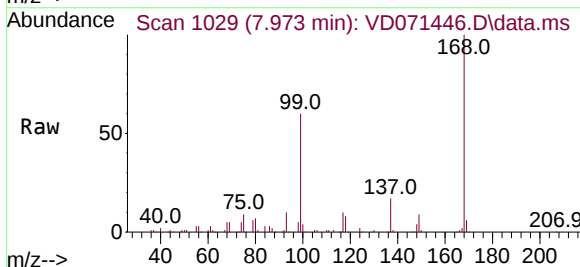
Tgt Ion: 117 Resp: 47387

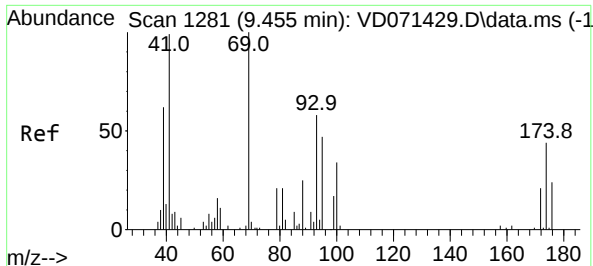
Ion Ratio Lower Upper

117 100

119 4.8 75.8 113.6#

121 0.0 23.6 35.4#

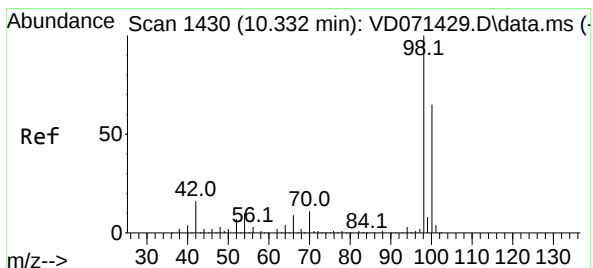
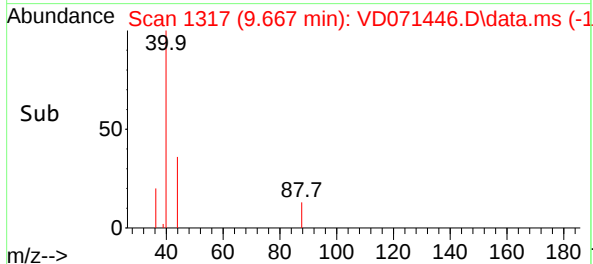
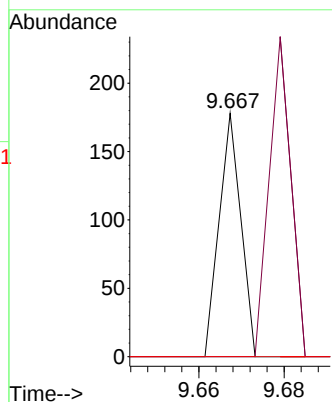
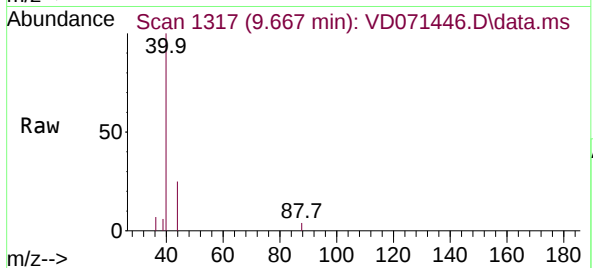




#49  
1,4-Dioxane  
Concen: 1.676 ug/l  
RT: 9.667 min Scan# 11  
Delta R.T. 0.212 min  
Lab File: VD071446.D  
Acq: 23 Dec 2021 16:45

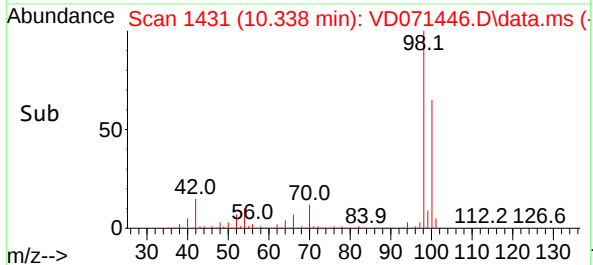
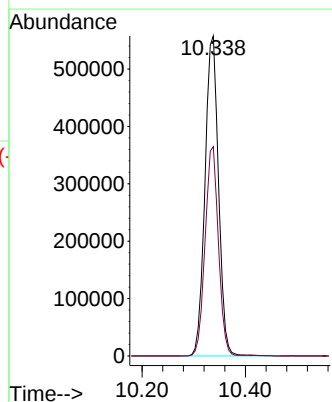
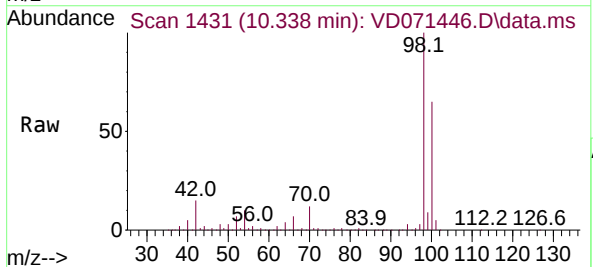
Instrument :  
MSVOA\_D  
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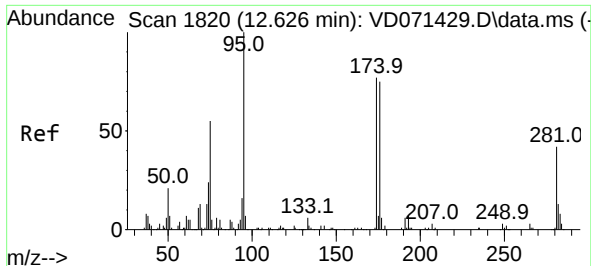
Tgt Ion: 88 Resp: 63  
Ion Ratio Lower Upper  
88 100  
43 0.0 28.9 43.3#  
58 0.0 56.3 84.5#



#50  
Toluene-d8  
Concen: 49.578 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. 0.006 min  
Lab File: VD071446.D  
Acq: 23 Dec 2021 16:45

Tgt Ion: 98 Resp: 1012472  
Ion Ratio Lower Upper  
98 100  
100 64.5 51.8 77.6

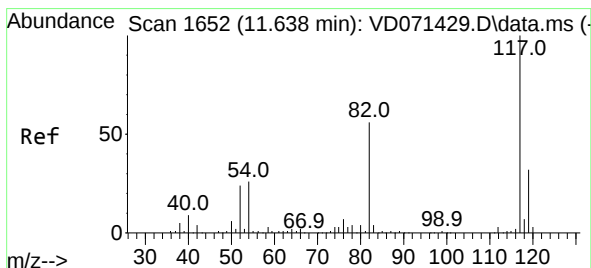
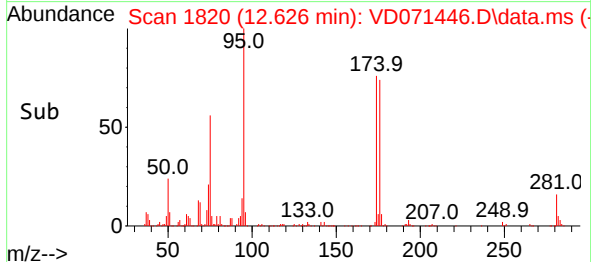
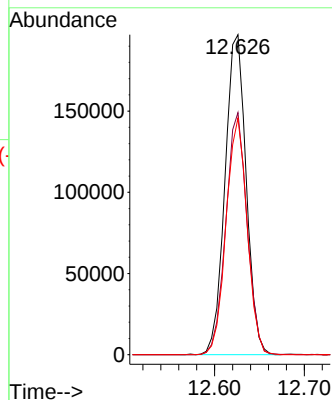
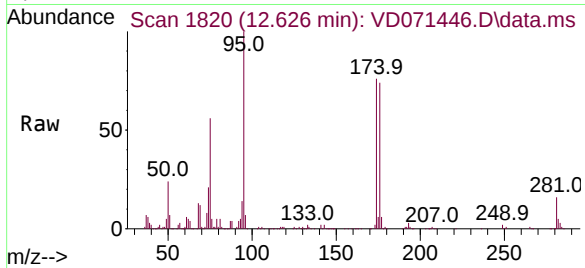




#62  
4-Bromofluorobenzene  
Concen: 44.551 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.000 min  
Lab File: VD071446.D  
Acq: 23 Dec 2021 16:45

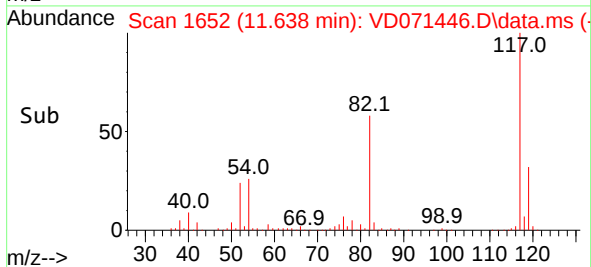
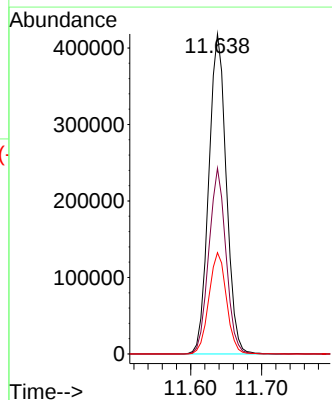
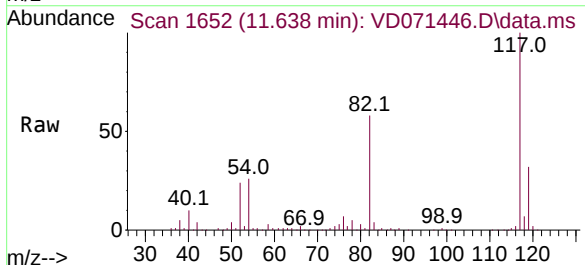
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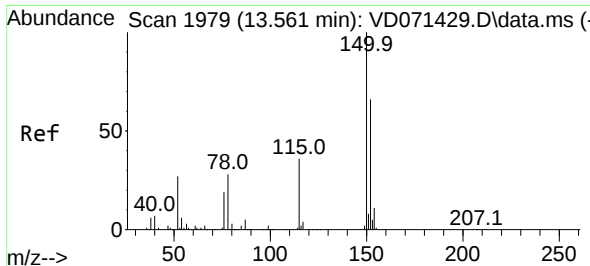
Tgt Ion: 95 Resp: 323299  
Ion Ratio Lower Upper  
95 100  
174 75.6 0.0 159.4  
176 73.2 0.0 154.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. -0.000 min  
Lab File: VD071446.D  
Acq: 23 Dec 2021 16:45

Tgt Ion: 117 Resp: 717006  
Ion Ratio Lower Upper  
117 100  
82 58.0 44.7 67.1  
119 31.7 26.2 39.4

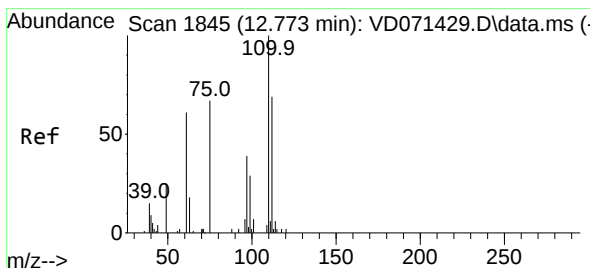
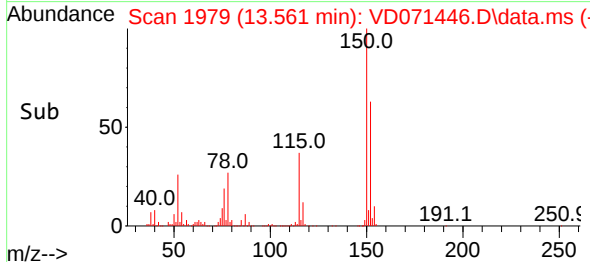
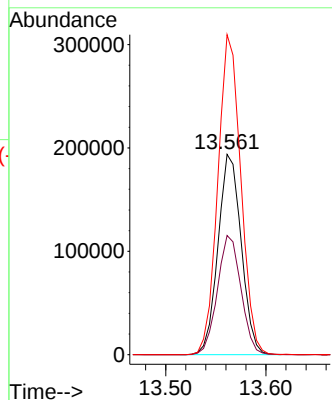
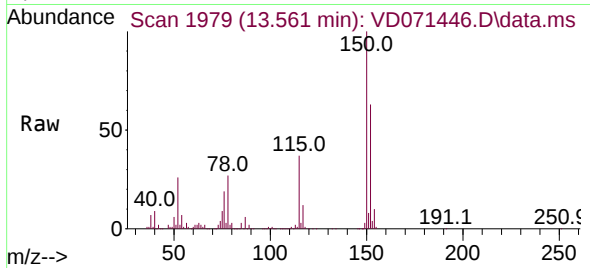




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.561 min Scan# 1799  
 Delta R.T. 0.000 min  
 Lab File: VD071446.D  
 Acq: 23 Dec 2021 16:45

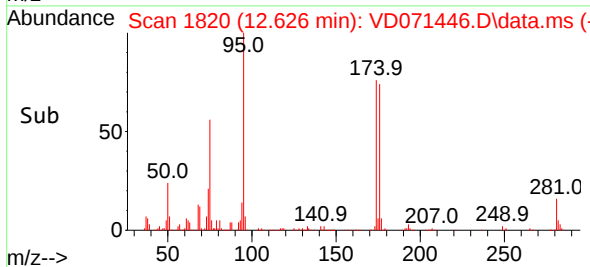
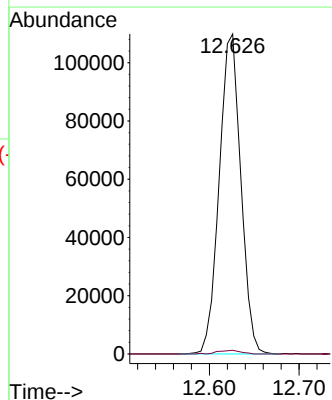
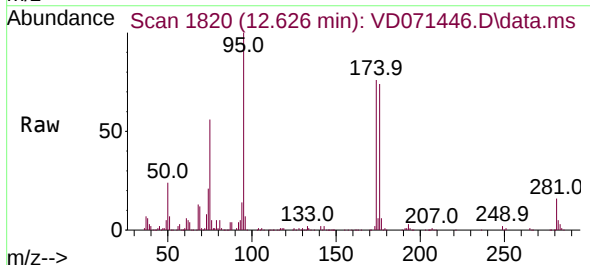
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VIBLK

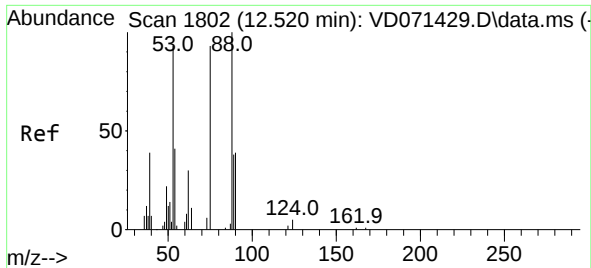
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 Ion Ratio Lower Upper  
 152 100  
 115 60.3 29.8 89.3  
 150 158.0 0.0 349.2



#76  
 1,2,3-Trichloropropane  
 Concen: 49.469 ug/l  
 RT: 12.626 min Scan# 1820  
 Delta R.T. -0.147 min  
 Lab File: VD071446.D  
 Acq: 23 Dec 2021 16:45

Tgt Ion: 75 Resp: 183386  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 158.4 475.3#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 139.776 ug/l  
 RT: 12.626 min Scan# 11  
 Delta R.T. 0.106 min  
 Lab File: VD071446.D  
 Acq: 23 Dec 2021 16:45

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VIBLK

Tgt Ion: 75 Resp: 183386  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 62.6 94.0#  
 89 0.1 34.5 51.7#

