

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD100722\  
 Data File : VD074492.D  
 Acq On : 07 Oct 2022 15:52  
 Operator : VA/SY  
 Sample : N5014-13RE  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Oct 08 02:25:08 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D100522S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 06 01:54:40 2022  
 Response via : Initial Calibration

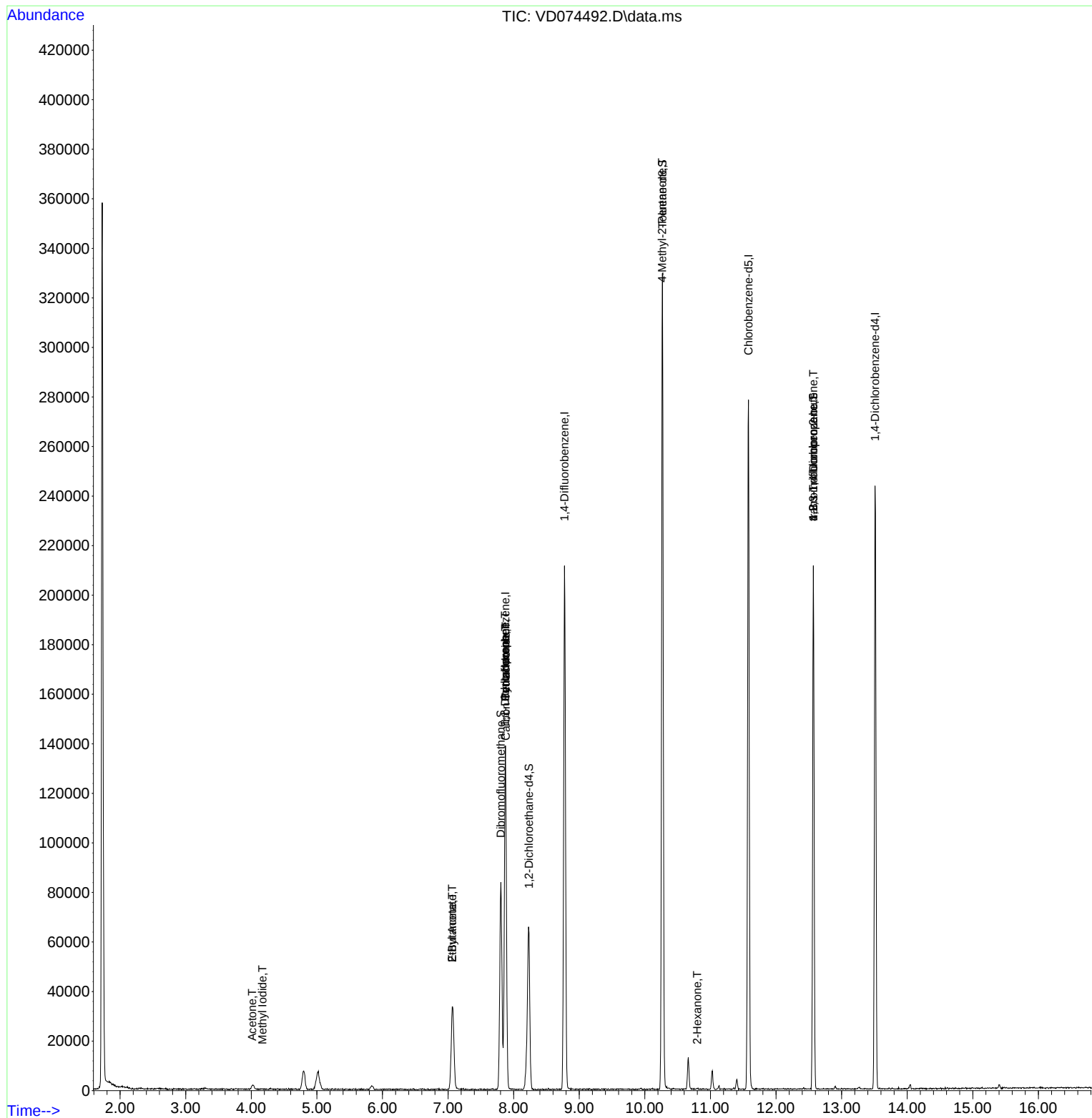
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.875  | 168   | 109564   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.775  | 114   | 197854   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.581 | 117   | 173756   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.510 | 152   | 71375    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.234  | 65    | 50678    | 52.061    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 104.120% |          |
| 35) Dibromofluoromethane      | 7.804  | 113   | 60654    | 46.490    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 92.980%  |          |
| 50) Toluene-d8                | 10.269 | 98    | 236568   | 49.655    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 99.300%  |          |
| 62) 4-Bromofluorobenzene      | 12.569 | 95    | 60501    | 39.825    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 79.660%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 10) Methyl Iodide             | 4.169  | 142   | 58       | 5.845     | ug/l #     | 43       |
| 11) Tert butyl alcohol        | 5.016  | 59    | 6419     | Below Cal | #          | 84       |
| 16) Acetone                   | 4.016  | 43    | 3520     | 24.511    | ug/l       | 96       |
| 20) Methylene Chloride        | 4.793  | 84    | 6679     | Below Cal | #          | 82       |
| 25) 2-Butanone                | 7.063  | 43    | 1547     | 5.540     | ug/l #     | 42       |
| 31) Cyclohexane               | 7.875  | 56    | 2062     | 1.055     | ug/l #     | 16       |
| 36) 1,1-Dichloropropene       | 7.869  | 75    | 8265     | 4.513     | ug/l #     | 48       |
| 37) Ethyl Acetate             | 7.063  | 43    | 1547     | 2.573     | ug/l #     | 1        |
| 38) Carbon Tetrachloride      | 7.881  | 117   | 10272    | 6.330     | ug/l #     | 20       |
| 51) 4-Methyl-2-Pentanone      | 10.263 | 43    | 763      | 1.339     | ug/l #     | 1        |
| 59) 2-Hexanone                | 10.798 | 43    | 400      | 1.023     | ug/l #     | 18       |
| 76) 1,2,3-Trichloropropane    | 12.569 | 75    | 30951    | 56.490    | ug/l #     | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.569 | 75    | 30951    | 126.036   | ug/l #     | 17       |
| -----                         |        |       |          |           |            |          |

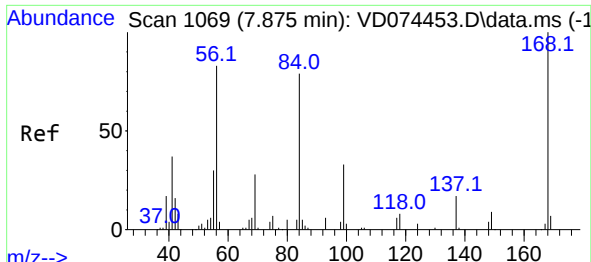
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD100722\  
Data File : VD074492.D  
Acq On : 07 Oct 2022 15:52  
Operator : VA/SY  
Sample : N5014-13RE  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

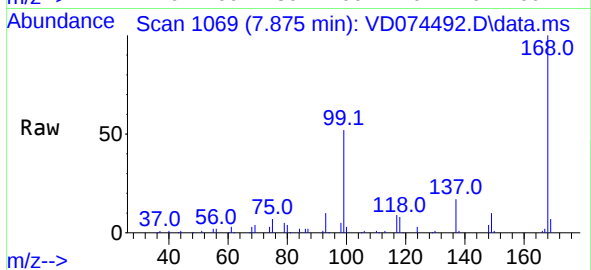
Quant Time: Oct 08 02:25:08 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D100522S.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 06 01:54:40 2022  
Response via : Initial Calibration



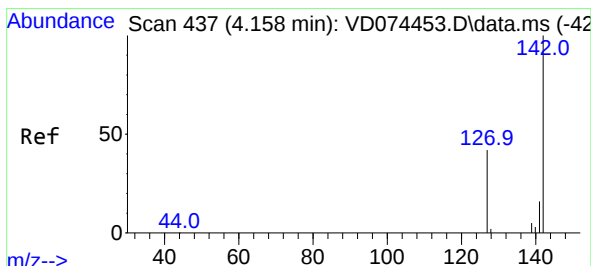
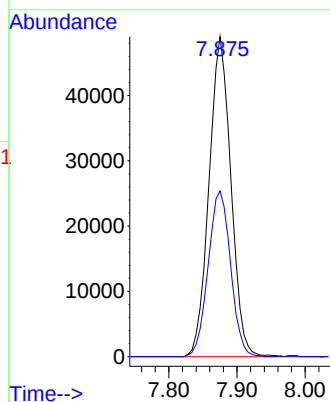
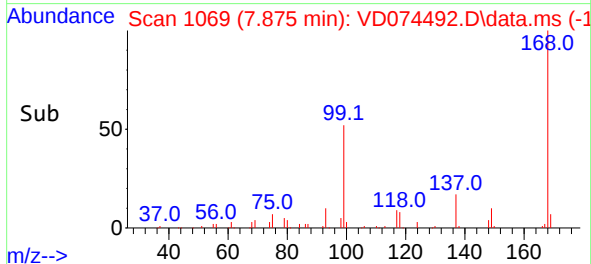


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD074492.D  
Acq: 07 Oct 2022 15:52

Instrument :  
MSVOA\_D  
ClientSampleId :

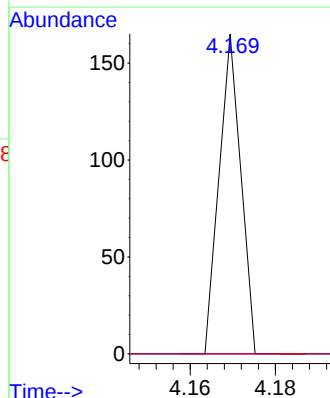
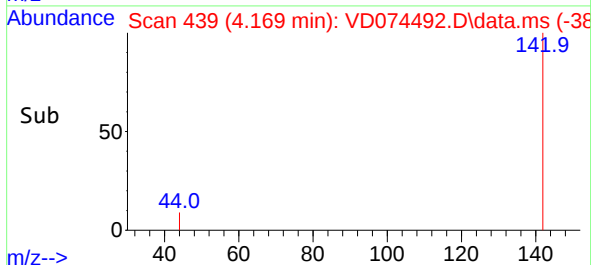
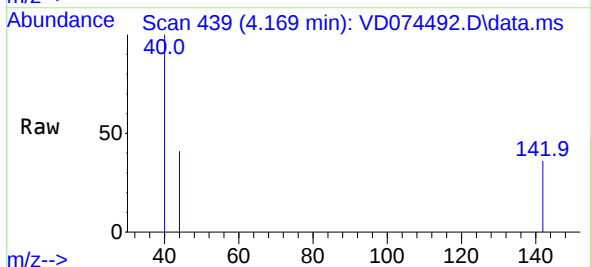


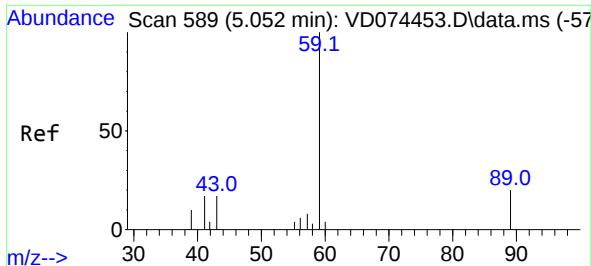
Tgt Ion:168 Resp: 109564  
Ion Ratio Lower Upper  
168 100  
99 51.8 40.9 61.3



#10  
Methyl Iodide  
Concen: 5.845 ug/l  
RT: 4.169 min Scan# 439  
Delta R.T. 0.011 min  
Lab File: VD074492.D  
Acq: 07 Oct 2022 15:52

Tgt Ion:142 Resp: 58  
Ion Ratio Lower Upper  
142 100  
127 0.0 31.9 47.9#  
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.016 min Scan# 51

Delta R.T. -0.036 min

Lab File: VD074492.D

Acq: 07 Oct 2022 15:52

Instrument :

MSVOA\_D

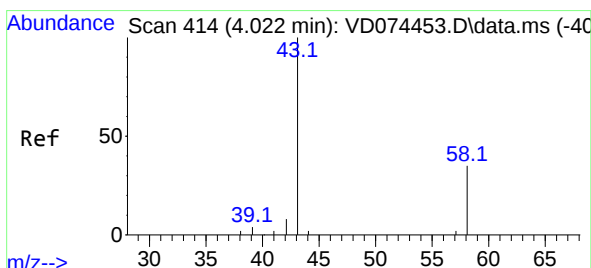
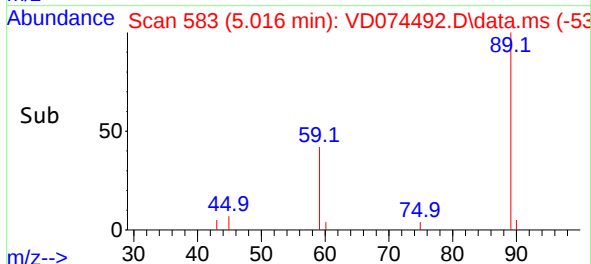
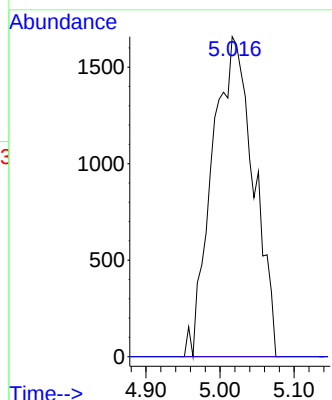
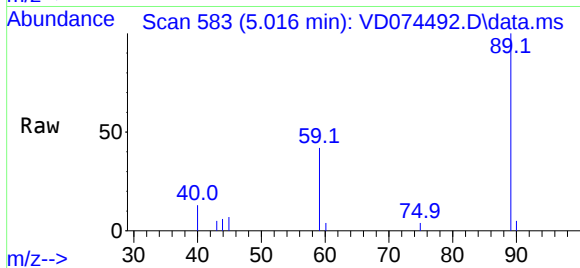
ClientSampleId :

Tgt Ion: 59 Resp: 6419

Ion Ratio Lower Upper

59 100

57 0.0 4.4 6.6#



#16

Acetone

Concen: 24.511 ug/l

RT: 4.016 min Scan# 413

Delta R.T. -0.006 min

Lab File: VD074492.D

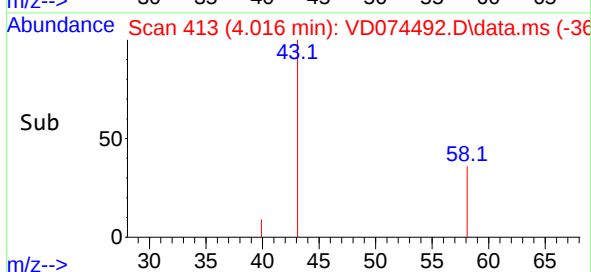
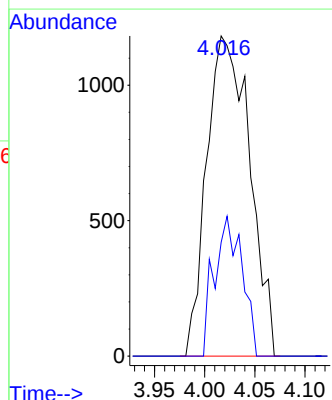
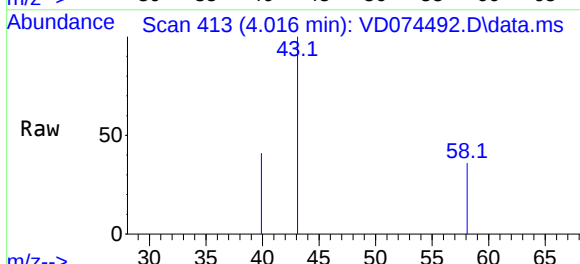
Acq: 07 Oct 2022 15:52

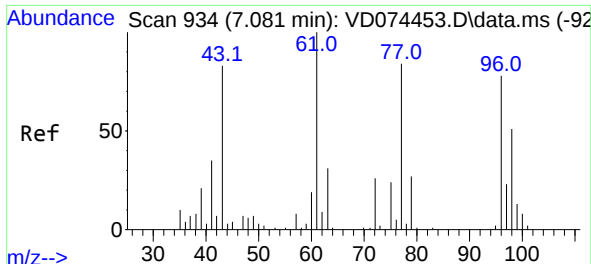
Tgt Ion: 43 Resp: 3520

Ion Ratio Lower Upper

43 100

58 35.5 30.2 45.2

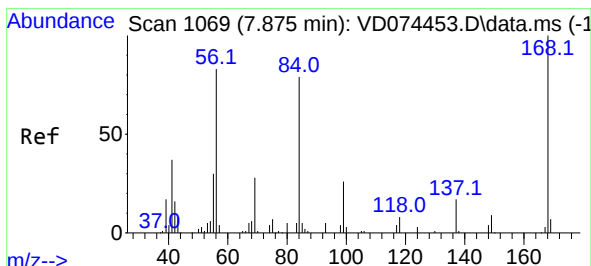
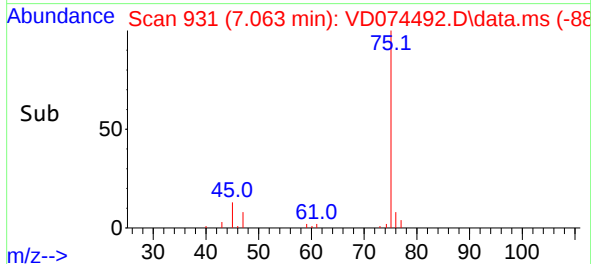
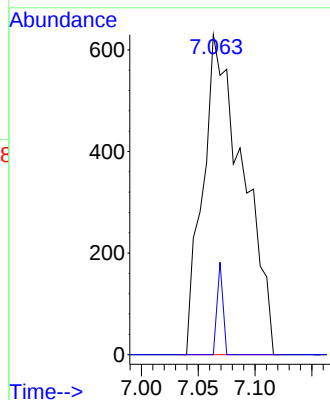
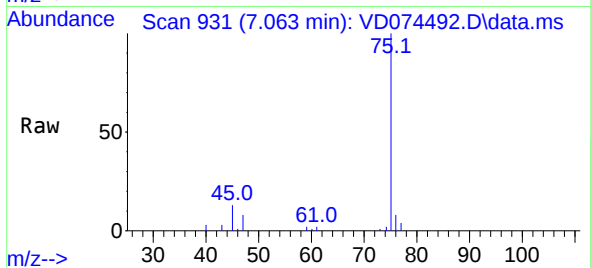




#25  
2-Butanone  
Concen: 5.540 ug/l  
RT: 7.063 min Scan# 91  
Delta R.T. -0.018 min  
Lab File: VD074492.D  
Acq: 07 Oct 2022 15:52

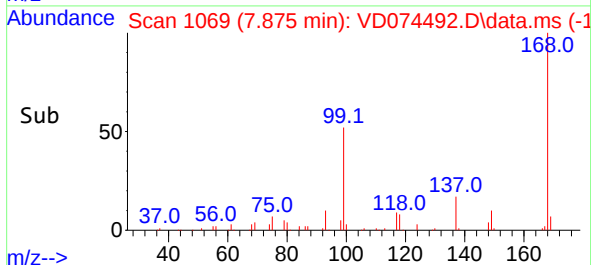
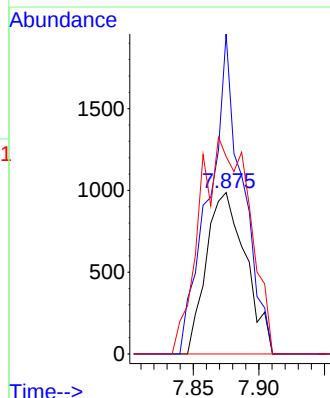
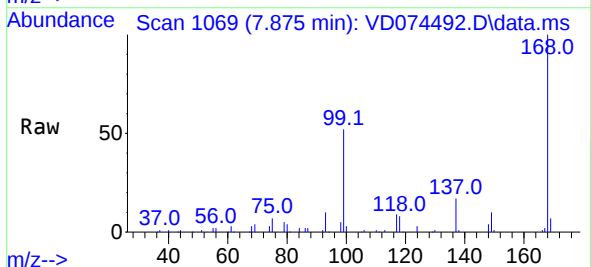
Instrument :  
MSVOA\_D  
ClientSampleId :

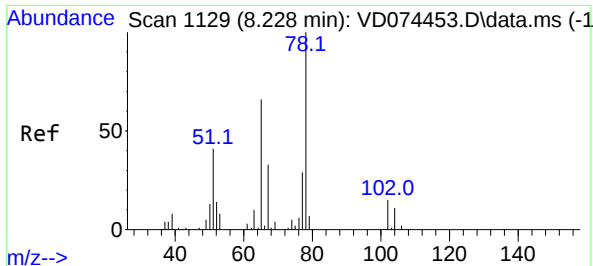
Tgt Ion: 43 Resp: 1547  
Ion Ratio Lower Upper  
43 100  
72 0.0 25.8 38.8#



#31  
Cyclohexane  
Concen: 1.055 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.000 min  
Lab File: VD074492.D  
Acq: 07 Oct 2022 15:52

Tgt Ion: 56 Resp: 2062  
Ion Ratio Lower Upper  
56 100  
69 198.3 29.2 43.8#  
84 122.3 83.4 125.2

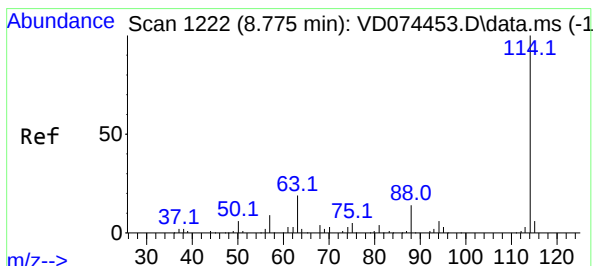
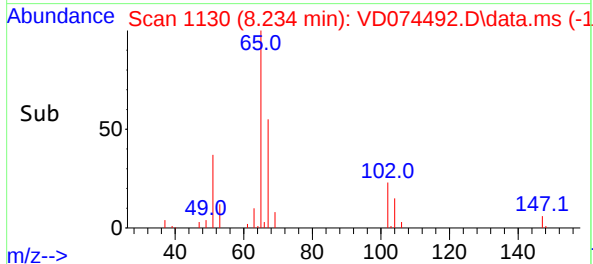
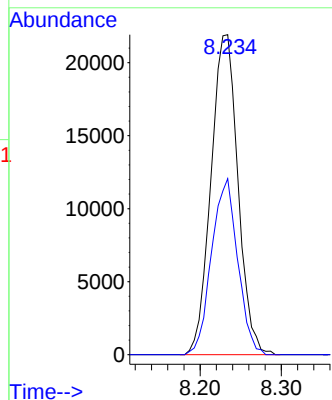
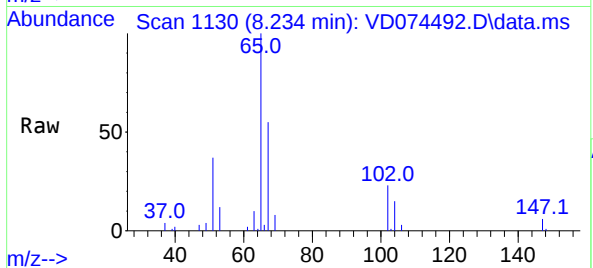




#33  
1,2-Dichloroethane-d4  
Concen: 52.061 ug/l  
RT: 8.234 min Scan# 1129  
Delta R.T. 0.006 min  
Lab File: VD074492.D  
Acq: 07 Oct 2022 15:52

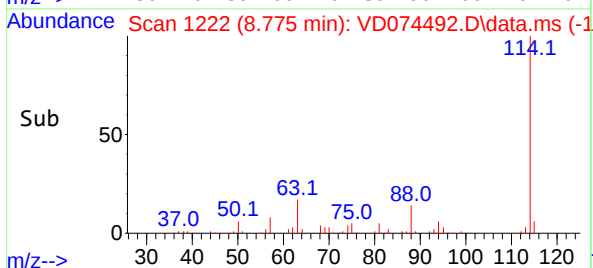
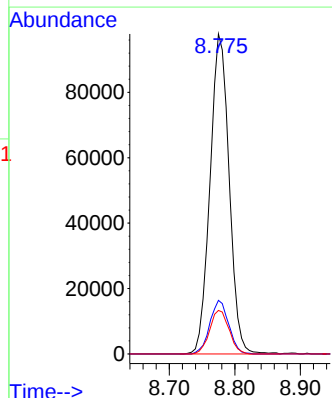
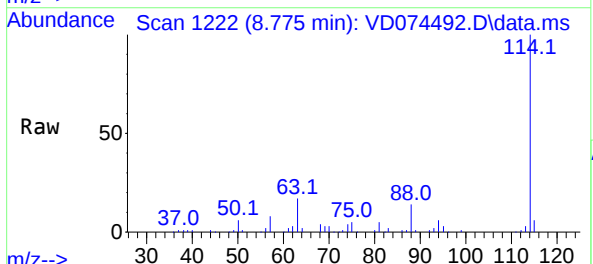
Instrument :  
MSVOA\_D  
ClientSampleId :

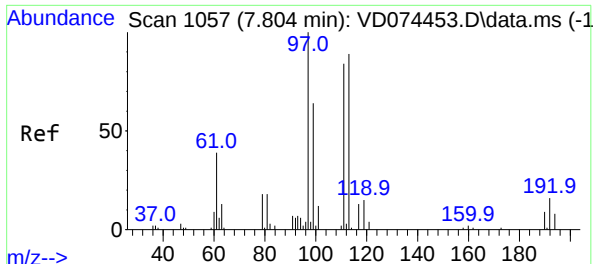
Tgt Ion: 65 Resp: 50678  
Ion Ratio Lower Upper  
65 100  
67 53.2 0.0 110.2



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.775 min Scan# 1222  
Delta R.T. -0.000 min  
Lab File: VD074492.D  
Acq: 07 Oct 2022 15:52

Tgt Ion: 114 Resp: 197854  
Ion Ratio Lower Upper  
114 100  
63 16.8 0.0 33.2  
88 13.6 0.0 28.2





#35

Dibromofluoromethane

Concen: 46.490 ug/l

RT: 7.804 min Scan# 1068

Delta R.T. -0.000 min

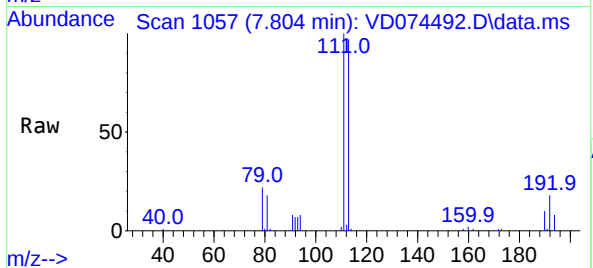
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Acq: 07 Oct 2022 15:52

Instrument :

MSVOA\_D

ClientSampleId :



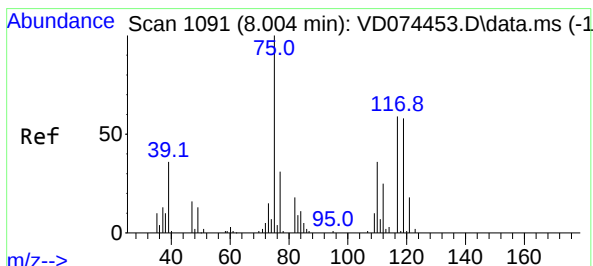
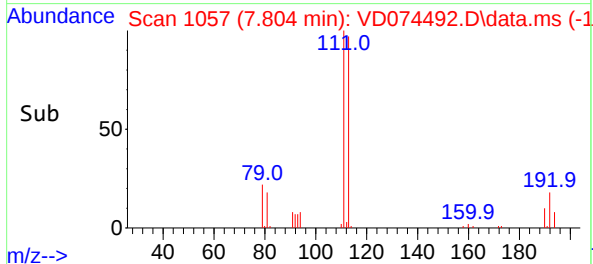
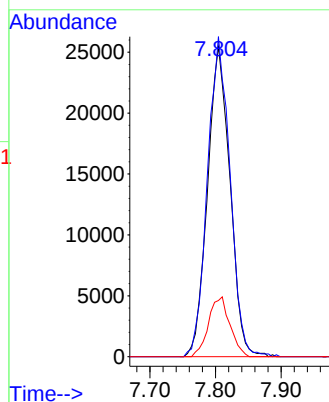
Tgt Ion:113 Resp: 60654

Ion Ratio Lower Upper

113 100

111 103.7 82.3 123.5

192 18.4 16.4 24.6



#36

1,1-Dichloropropene

Concen: 4.513 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VD074492.D

Acq: 07 Oct 2022 15:52

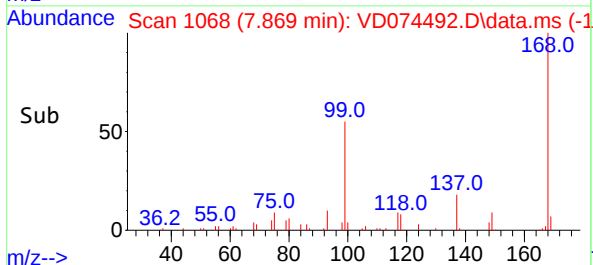
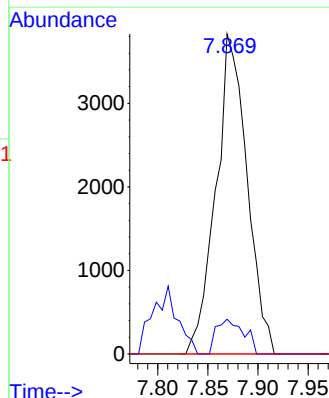
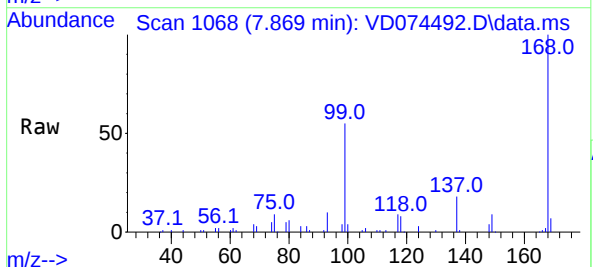
Tgt Ion: 75 Resp: 8265

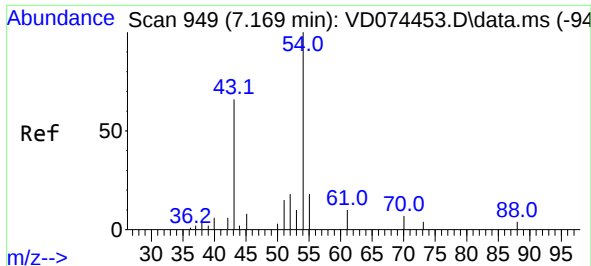
Ion Ratio Lower Upper

75 100

110 9.6 19.7 59.0#

77 0.0 25.4 38.2#





#37

Ethyl Acetate

Concen: 2.573 ug/l

RT: 7.063 min Scan# 91

Delta R.T. -0.106 min

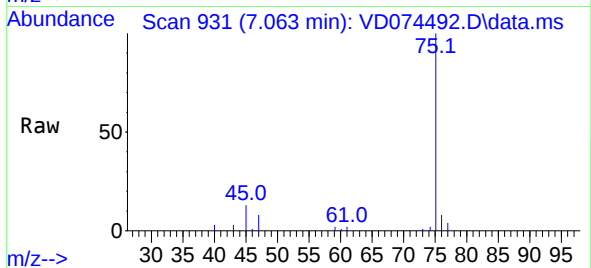
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Acq: 07 Oct 2022 15:52

Instrument :

MSVOA\_D

ClientSampleId :



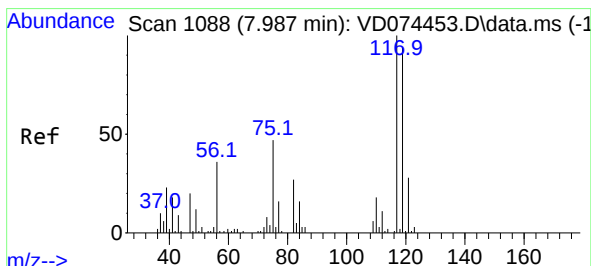
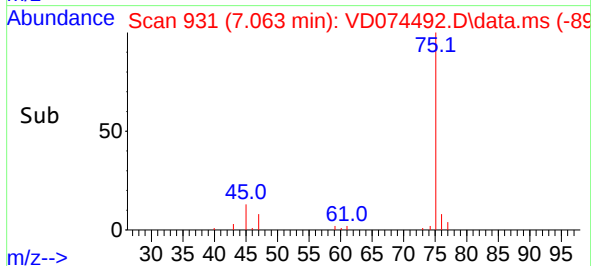
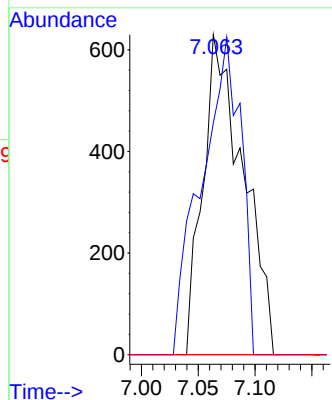
Tgt Ion: 43 Resp: 1547

Ion Ratio Lower Upper

43 100

61 98.1 12.2 18.4#

70 0.0 9.6 14.4#



#38

Carbon Tetrachloride

Concen: 6.330 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.106 min

Lab File: VD074492.D

Acq: 07 Oct 2022 15:52

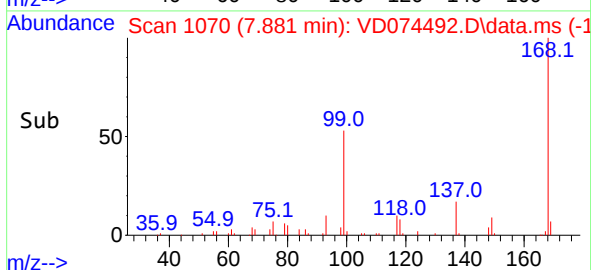
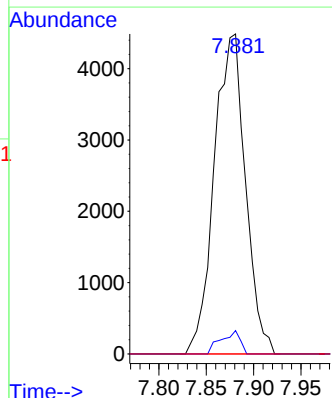
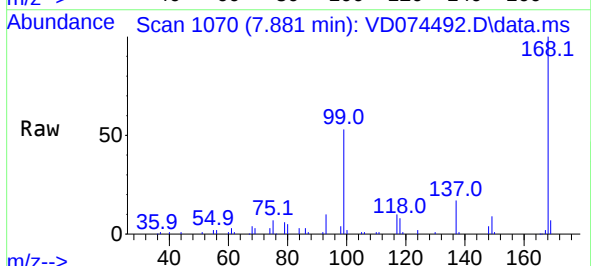
Tgt Ion: 117 Resp: 10272

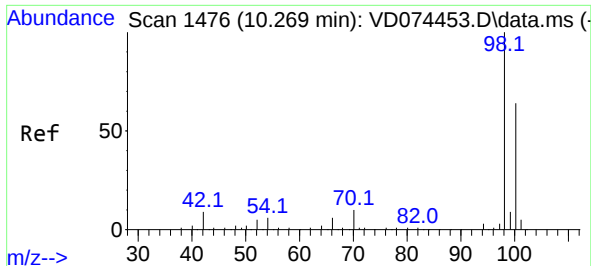
Ion Ratio Lower Upper

117 100

119 7.3 73.1 109.7#

121 0.0 25.0 37.6#

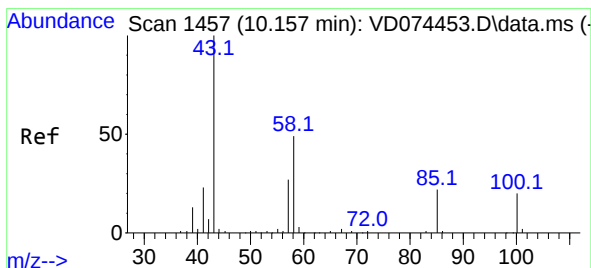
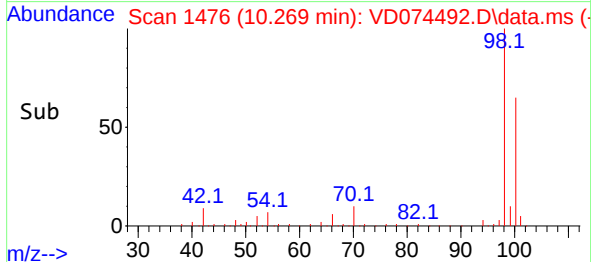
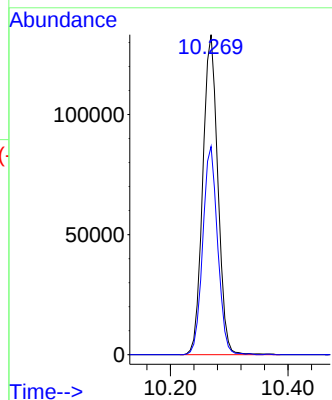
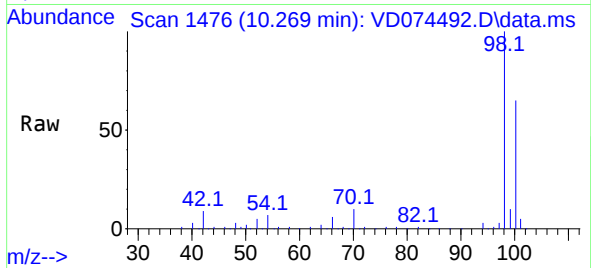




#50  
Toluene-d8  
Concen: 49.655 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD074492.D  
Acq: 07 Oct 2022 15:52

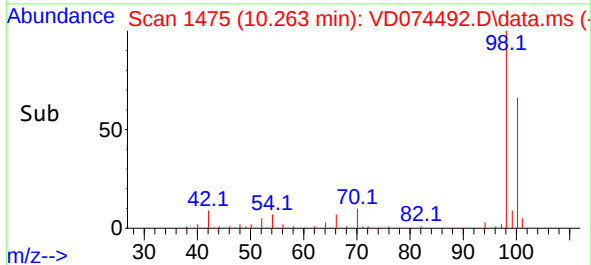
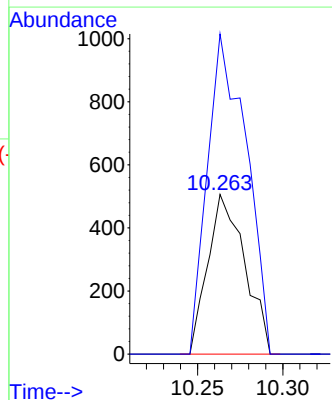
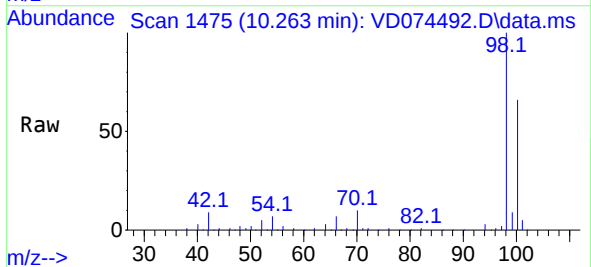
Instrument :  
MSVOA\_D  
ClientSampleId :

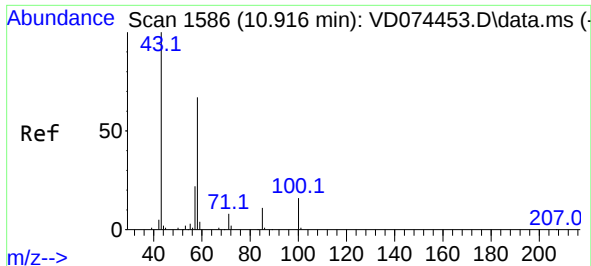
Tgt Ion: 98 Resp: 236568  
Ion Ratio Lower Upper  
98 100  
100 64.1 51.4 77.0



#51  
4-Methyl-2-Pentanone  
Concen: 1.339 ug/l  
RT: 10.263 min Scan# 1475  
Delta R.T. 0.106 min  
Lab File: VD074492.D  
Acq: 07 Oct 2022 15:52

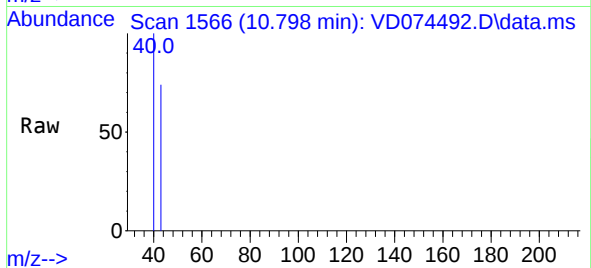
Tgt Ion: 43 Resp: 763  
Ion Ratio Lower Upper  
43 100  
58 211.4 37.8 56.6#



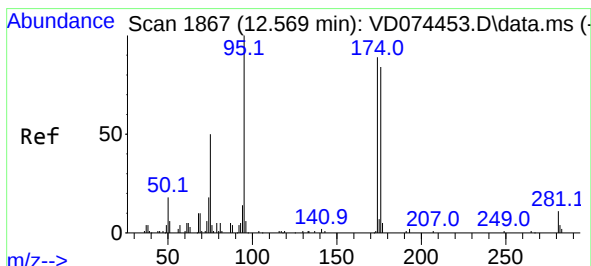
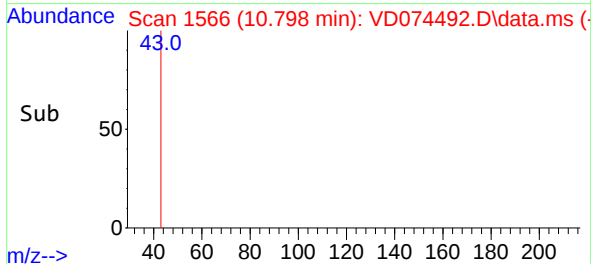
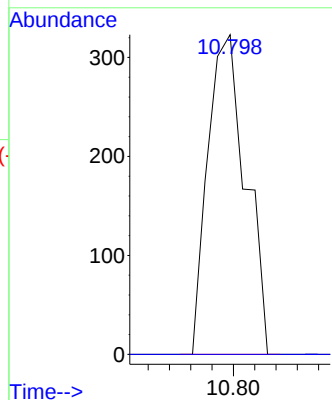


#59  
2-Hexanone  
Concen: 1.023 ug/l  
RT: 10.798 min Scan# 1566  
Delta R.T. -0.118 min  
Lab File: VD074492.D  
Acq: 07 Oct 2022 15:52

Instrument :  
MSVOA\_D  
ClientSampleId :

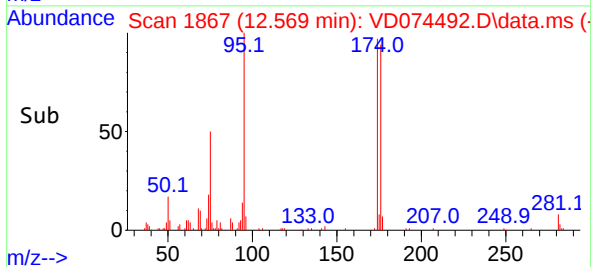
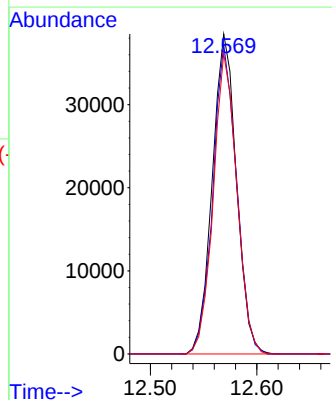
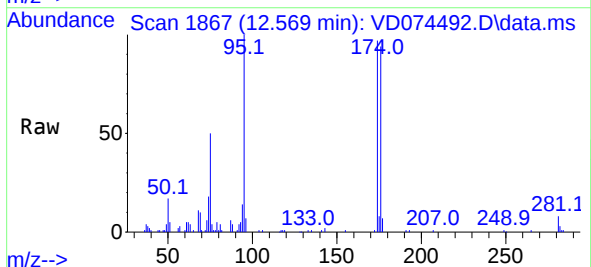


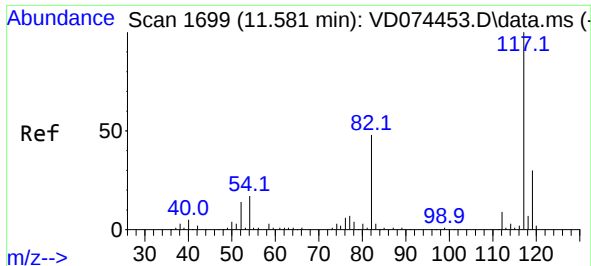
Tgt Ion: 43 Resp: 400  
Ion Ratio Lower Upper  
43 100  
58 0.0 32.0 96.2#



#62  
4-Bromofluorobenzene  
Concen: 39.825 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. -0.000 min  
Lab File: VD074492.D  
Acq: 07 Oct 2022 15:52

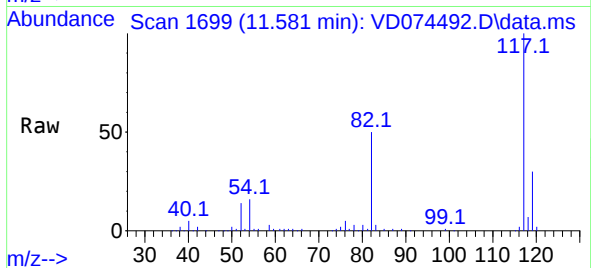
Tgt Ion: 95 Resp: 60501  
Ion Ratio Lower Upper  
95 100  
174 94.9 0.0 197.0  
176 91.5 0.0 182.6



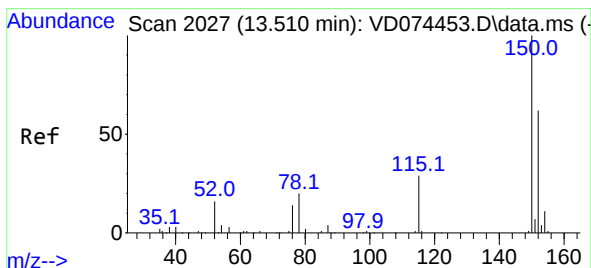
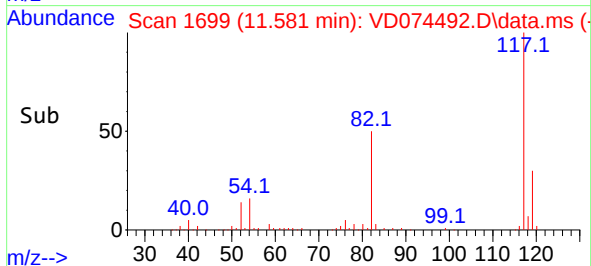
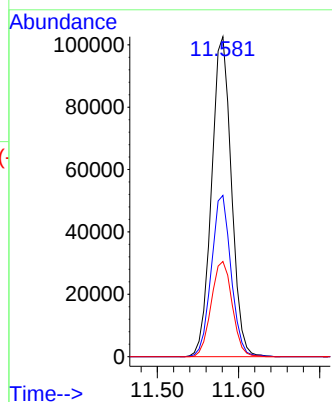


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VD074492.D  
Acq: 07 Oct 2022 15:52

Instrument :  
MSVOA\_D  
ClientSampleId :

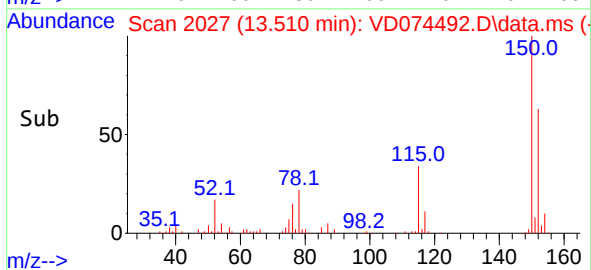
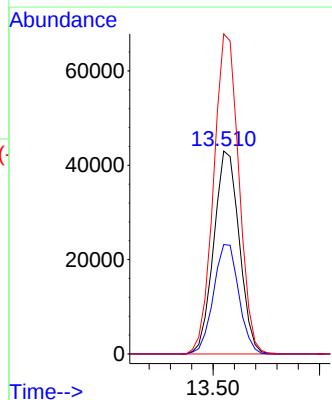
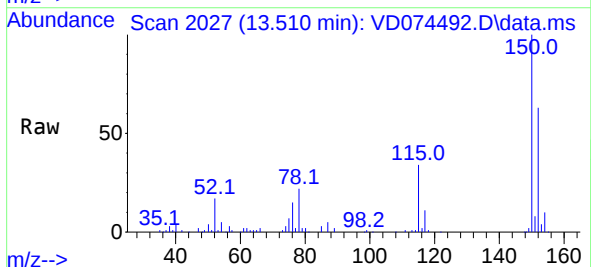


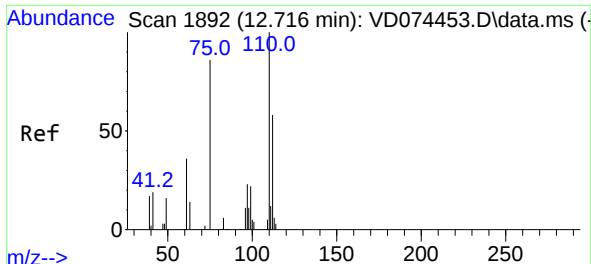
Tgt Ion:117 Resp: 173756  
Ion Ratio Lower Upper  
117 100  
82 50.4 41.6 62.4  
119 29.8 25.2 37.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.510 min Scan# 2027  
Delta R.T. -0.000 min  
Lab File: VD074492.D  
Acq: 07 Oct 2022 15:52

Tgt Ion:152 Resp: 71375  
Ion Ratio Lower Upper  
152 100  
115 53.8 26.8 80.4  
150 156.0 0.0 348.2

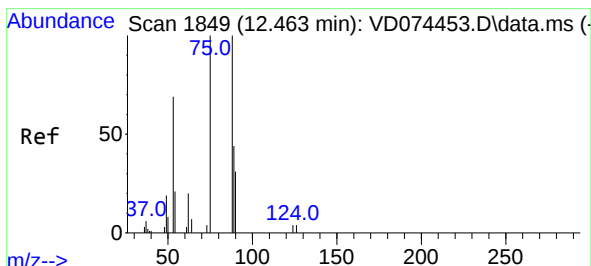
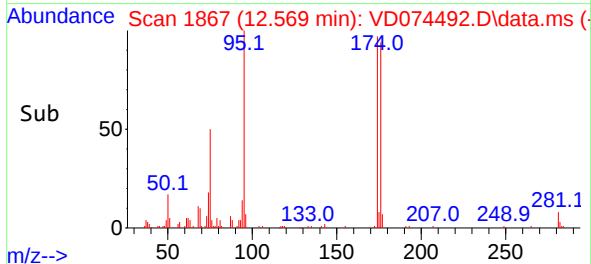
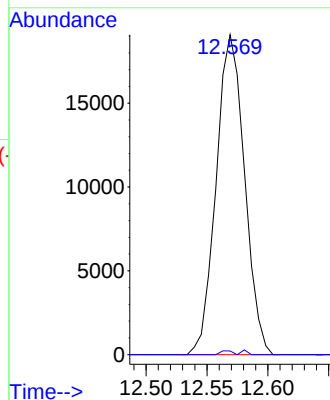
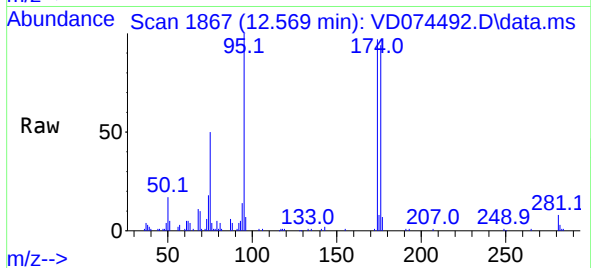




#76  
1,2,3-Trichloropropane  
Concen: 56.490 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. -0.147 min  
Lab File: VD074492.D  
Acq: 07 Oct 2022 15:52

Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion: 75 Resp: 30951  
Ion Ratio Lower Upper  
75 100  
77 0.5 185.8 557.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 126.036 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. 0.106 min  
Lab File: VD074492.D  
Acq: 07 Oct 2022 15:52

Tgt Ion: 75 Resp: 30951  
Ion Ratio Lower Upper  
75 100  
53 0.0 63.8 95.6#  
89 0.0 38.2 57.4#

