

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD092122\  
 Data File : VD074384.D  
 Acq On : 21 Sep 2022 12:53  
 Operator : VA/SY  
 Sample : N4641-11RE  
 Misc : 6.50G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Sep 22 05:11:56 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D091622S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 17 04:16:54 2022  
 Response via : Initial Calibration

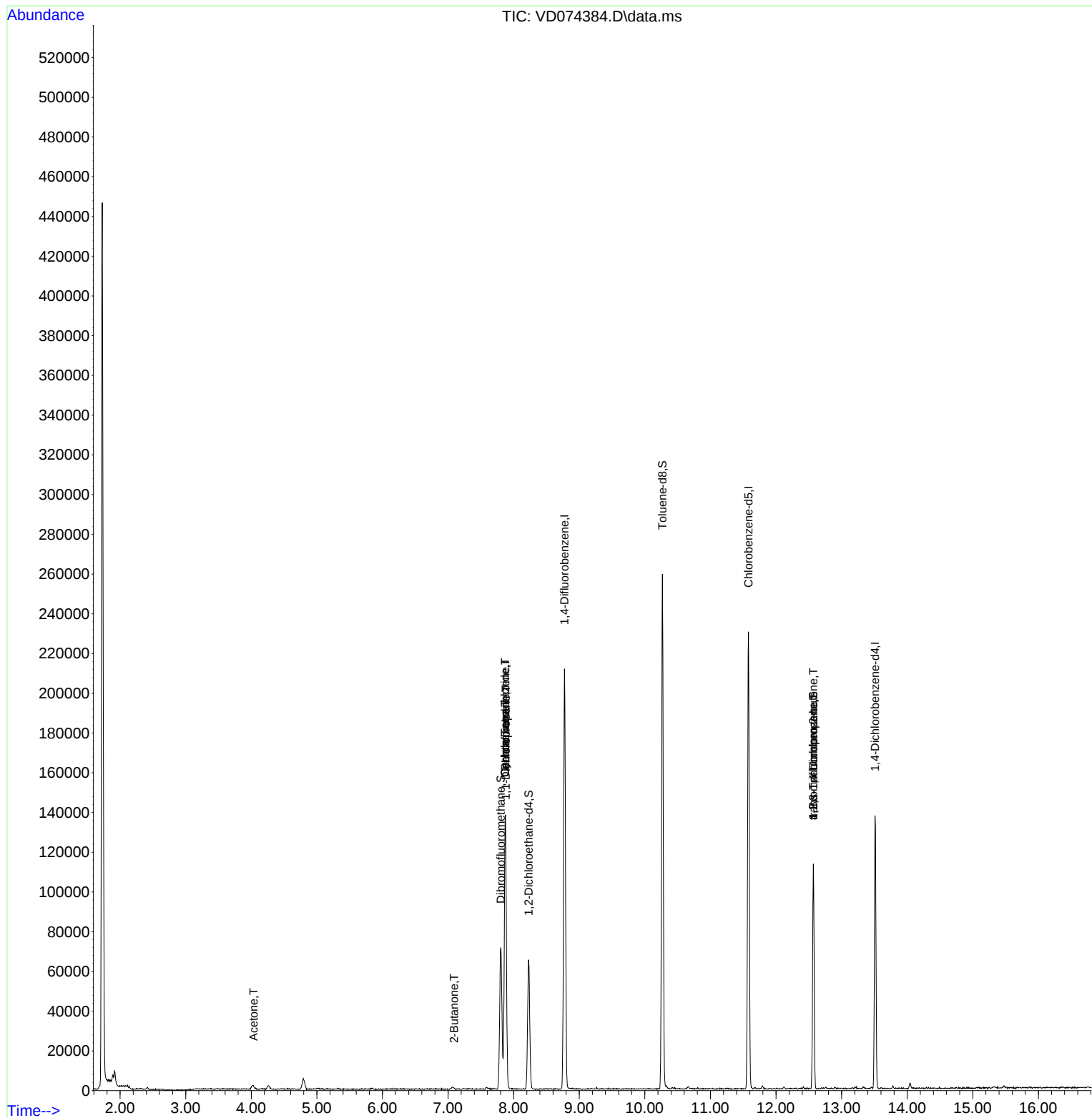
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.875  | 168   | 106678   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.775  | 114   | 187959   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.581 | 117   | 133819   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.510 | 152   | 36520    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.228  | 65    | 50344    | 48.451    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 96.900%  |
| 35) Dibromofluoromethane      | 7.804  | 113   | 53355    | 43.101    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 86.200%  |
| 50) Toluene-d8                | 10.269 | 98    | 181258   | 42.435    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 84.880%  |
| 62) 4-Bromofluorobenzene      | 12.569 | 95    | 33831    | 19.934    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 39.860%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 16) Acetone                   | 4.034  | 43    | 3571     | 15.255    | ug/l   | 93       |
| 20) Methylene Chloride        | 4.799  | 84    | 3825     | Below Cal | #      | 89       |
| 25) 2-Butanone                | 7.093  | 43    | 422      | 1.210     | ug/l # | 48       |
| 31) Cyclohexane               | 7.869  | 56    | 2445     | 1.122     | ug/l # | 5        |
| 36) 1,1-Dichloropropene       | 7.881  | 75    | 8301     | 4.393     | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 7.869  | 117   | 10586    | 6.322     | ug/l # | 19       |
| 76) 1,2,3-Trichloropropane    | 12.569 | 75    | 17387    | 51.457    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.569 | 75    | 17387    | 128.965   | ug/l # | 100      |
| -----                         |        |       |          |           |        |          |

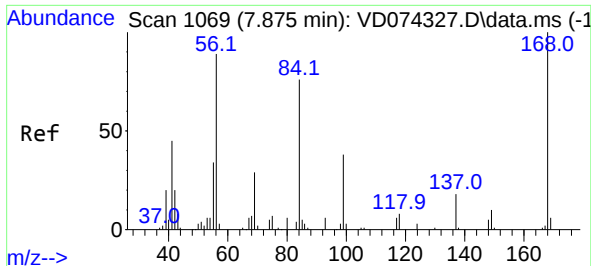
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_D  
ClientSampleId :

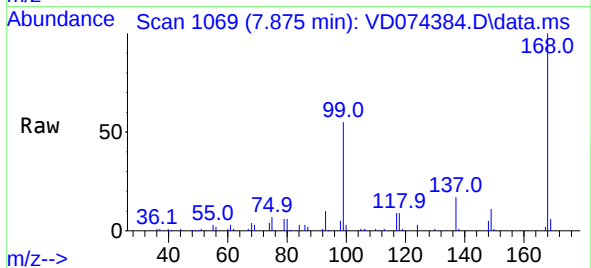
Quant Time: Sep 22 05:11:56 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D091622S.M  
Quant Title : SW846 8260  
QLast Update : Sat Sep 17 04:16:54 2022  
Response via : Initial Calibration



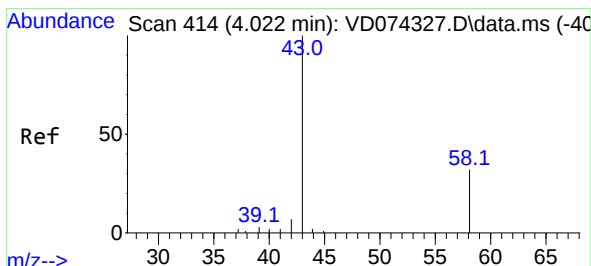
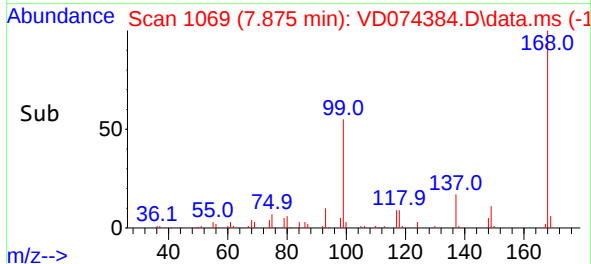
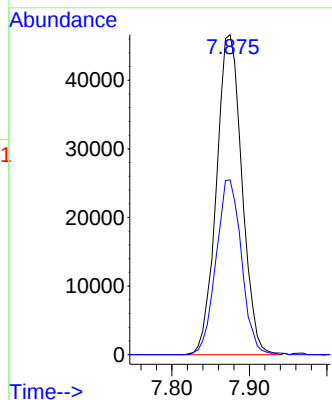


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.000 min  
Lab File: VD074384.D  
Acq: 21 Sep 2022 12:53

Instrument :  
MSVOA\_D  
ClientSampleId :

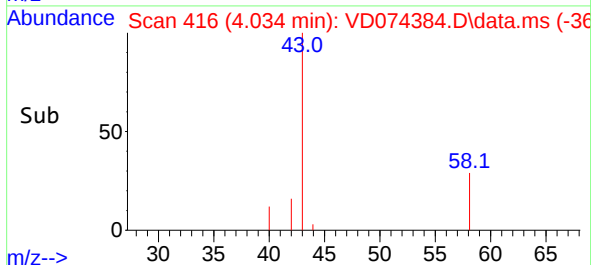
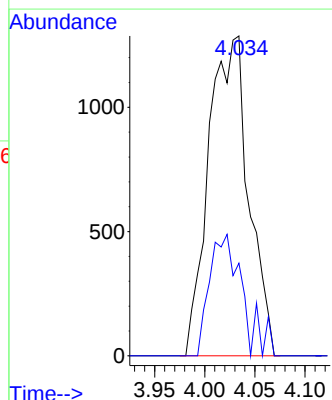
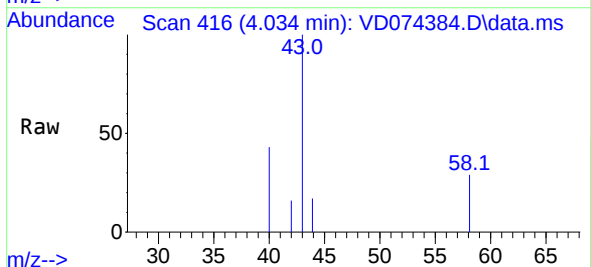


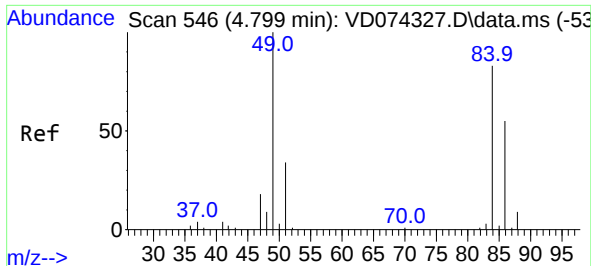
Tgt Ion:168 Resp: 106678  
Ion Ratio Lower Upper  
168 100  
99 54.6 43.0 64.6



#16  
Acetone  
Concen: 15.255 ug/l  
RT: 4.034 min Scan# 416  
Delta R.T. 0.012 min  
Lab File: VD074384.D  
Acq: 21 Sep 2022 12:53

Tgt Ion: 43 Resp: 3571  
Ion Ratio Lower Upper  
43 100  
58 29.0 26.4 39.6





#20

Methylene Chloride

Concen: Below Cal

RT: 4.799 min Scan# 54

Delta R.T. -0.000 min

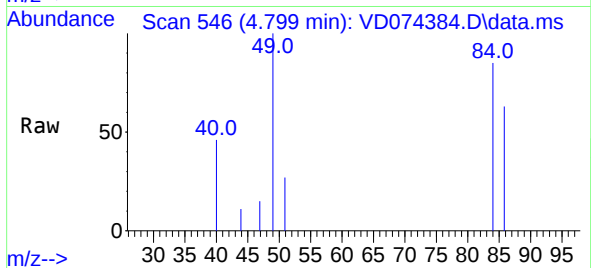
Lab File: VD074384.D

Acq: 21 Sep 2022 12:53

Instrument :

MSVOA\_D

ClientSampleId :



Tgt Ion: 84 Resp: 3825

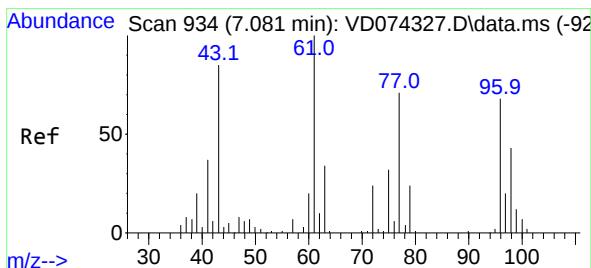
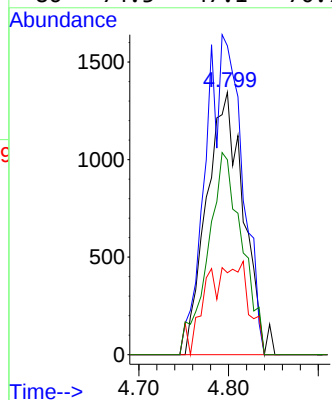
Ion Ratio Lower Upper

84 100

49 117.7 88.4 132.6

51 31.2 28.0 42.0

86 74.3 47.1 70.7#



#25

2-Butanone

Concen: 1.210 ug/l

RT: 7.093 min Scan# 936

Delta R.T. 0.012 min

Lab File: VD074384.D

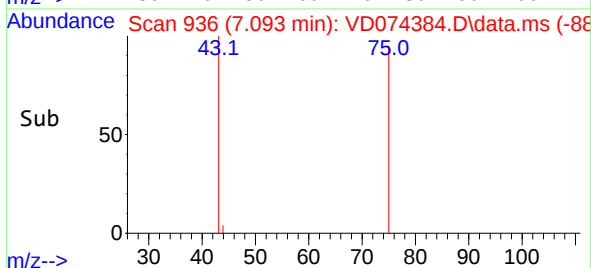
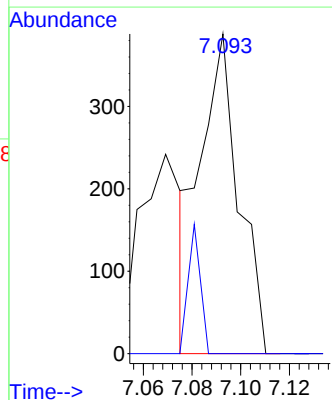
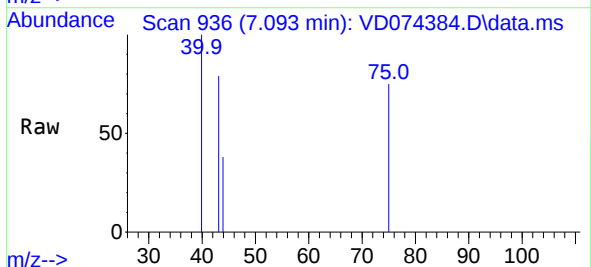
Acq: 21 Sep 2022 12:53

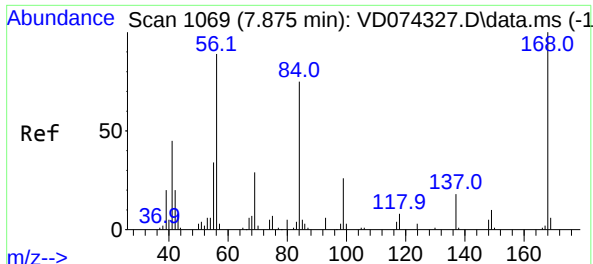
Tgt Ion: 43 Resp: 422

Ion Ratio Lower Upper

43 100

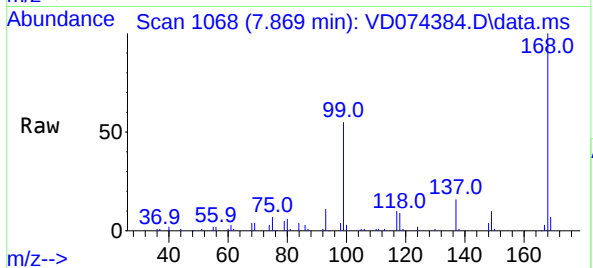
72 0.0 21.8 32.6#



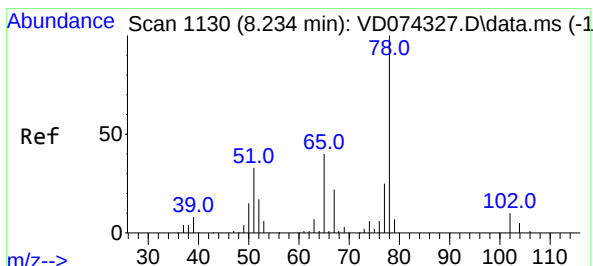
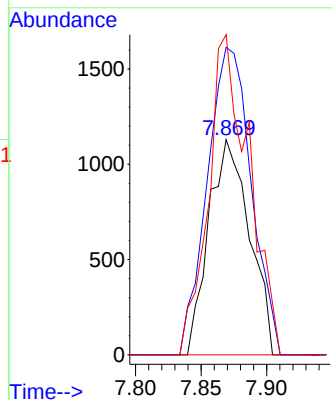
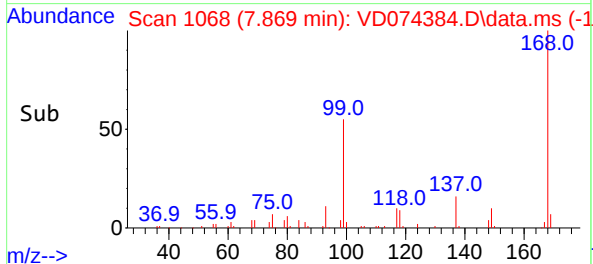


#31  
Cyclohexane  
Concen: 1.122 ug/l  
RT: 7.869 min Scan# 1069  
Delta R.T. -0.006 min  
Lab File: VD074384.D  
Acq: 21 Sep 2022 12:53

Instrument :  
MSVOA\_D  
ClientSampleId :

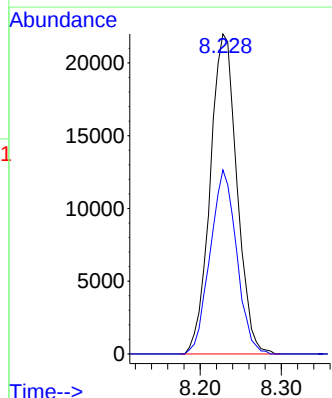
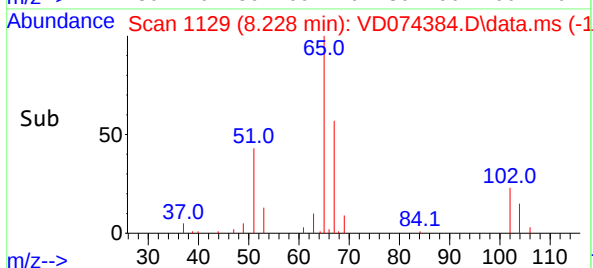
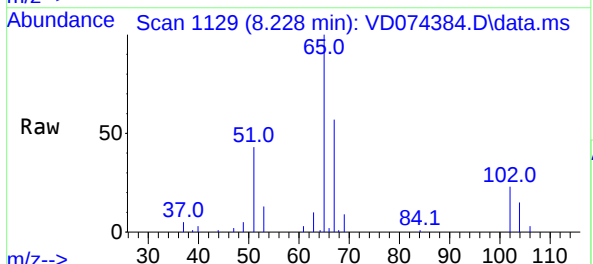


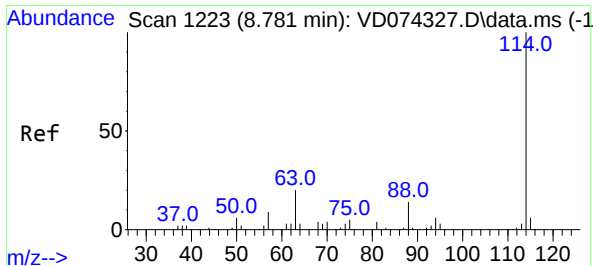
Tgt Ion: 56 Resp: 2445  
Ion Ratio Lower Upper  
56 100  
69 142.9 25.7 38.5#  
84 148.8 73.9 110.9#



#33  
1,2-Dichloroethane-d4  
Concen: 48.451 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. -0.006 min  
Lab File: VD074384.D  
Acq: 21 Sep 2022 12:53

Tgt Ion: 65 Resp: 50344  
Ion Ratio Lower Upper  
65 100  
67 56.9 0.0 110.6

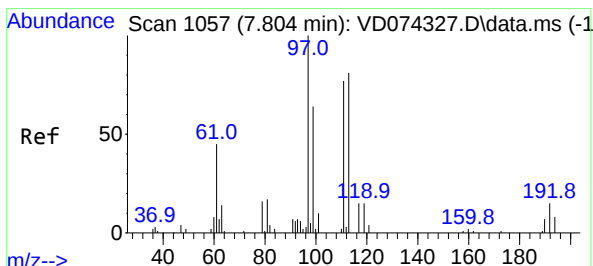
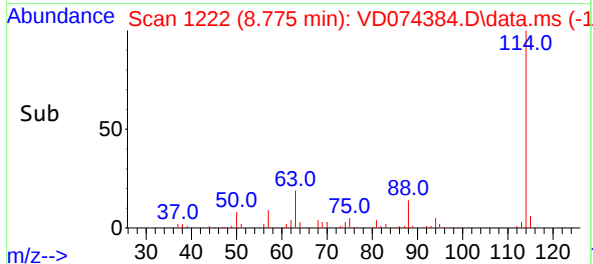
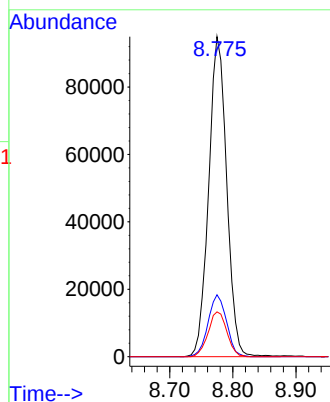
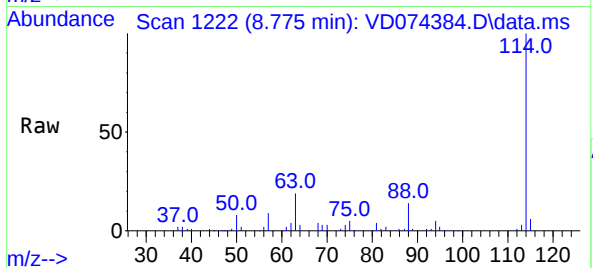




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.775 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VD074384.D  
Acq: 21 Sep 2022 12:53

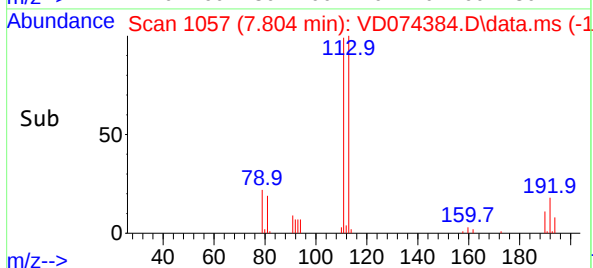
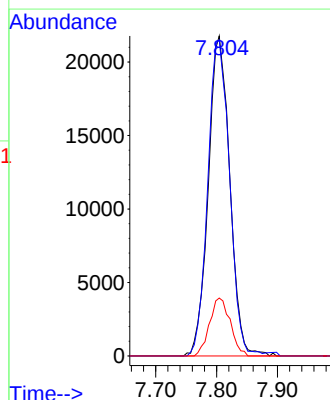
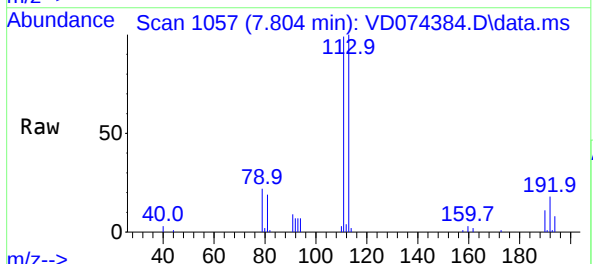
Instrument :  
MSVOA\_D  
ClientSampleId :

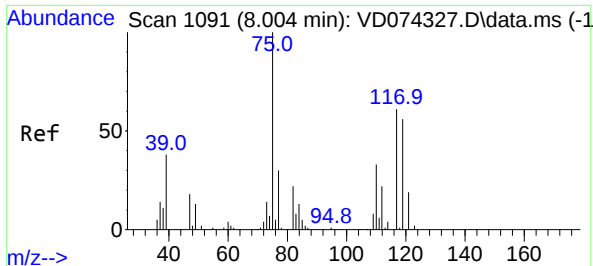
Tgt Ion:114 Resp: 187959  
Ion Ratio Lower Upper  
114 100  
63 19.4 0.0 37.6  
88 14.0 0.0 28.4



#35  
Dibromofluoromethane  
Concen: 43.101 ug/l  
RT: 7.804 min Scan# 1057  
Delta R.T. 0.000 min  
Lab File: VD074384.D  
Acq: 21 Sep 2022 12:53

Tgt Ion:113 Resp: 53355  
Ion Ratio Lower Upper  
113 100  
111 100.0 83.0 124.6  
192 17.4 16.2 24.2





#36

1,1-Dichloropropene

Concen: 4.393 ug/l

RT: 7.881 min Scan# 1091

Delta R.T. -0.123 min

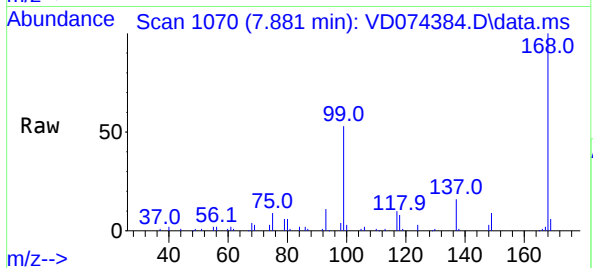
Lab File: VD074384.D

Acq: 21 Sep 2022 12:53

Instrument :

MSVOA\_D

ClientSampleId :



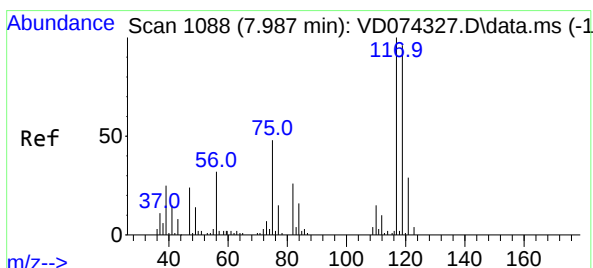
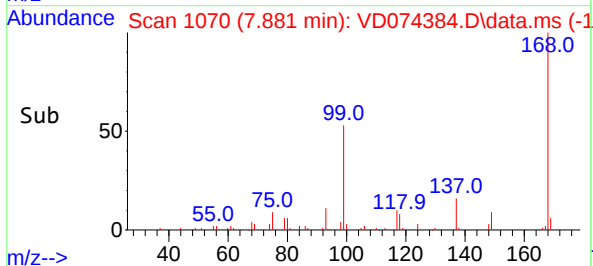
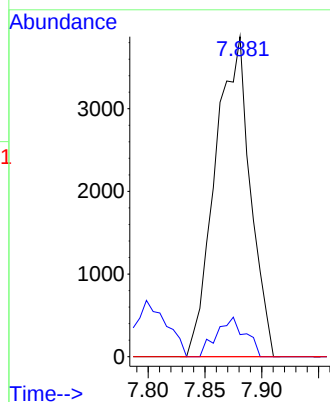
Tgt Ion: 75 Resp: 8301

Ion Ratio Lower Upper

75 100

110 10.1 17.5 52.5#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.322 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.118 min

Lab File: VD074384.D

Acq: 21 Sep 2022 12:53

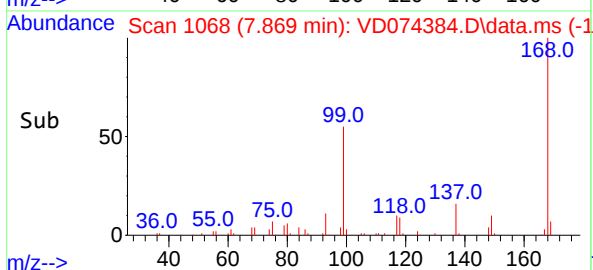
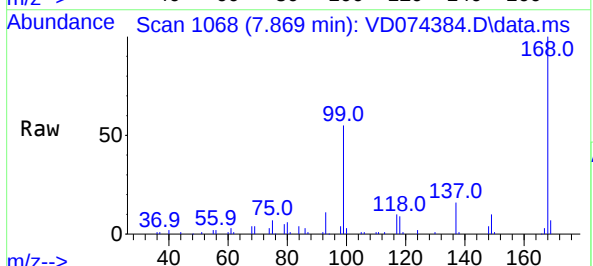
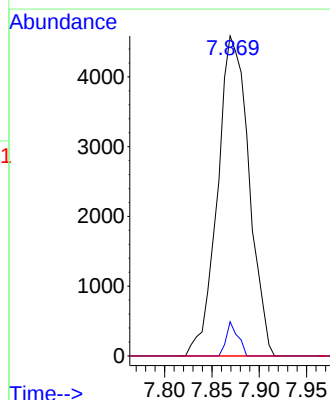
Tgt Ion: 117 Resp: 10586

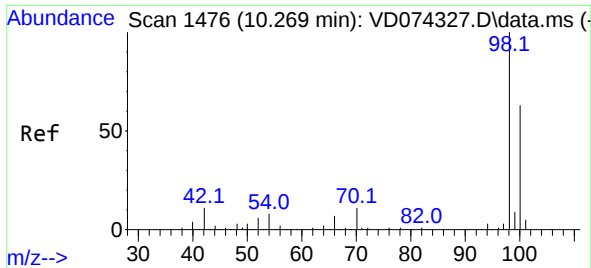
Ion Ratio Lower Upper

117 100

119 10.7 78.8 118.2#

121 0.0 23.9 35.9#

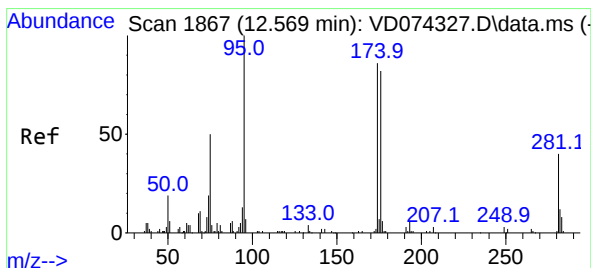
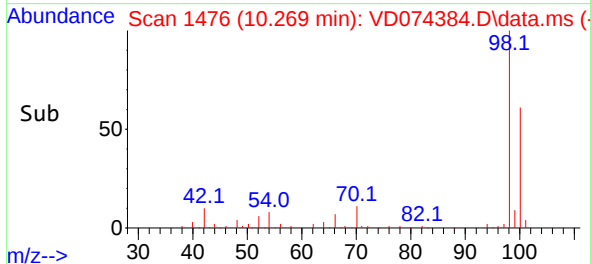
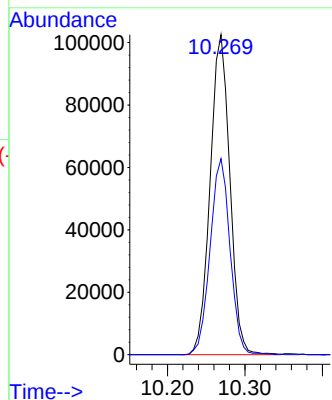
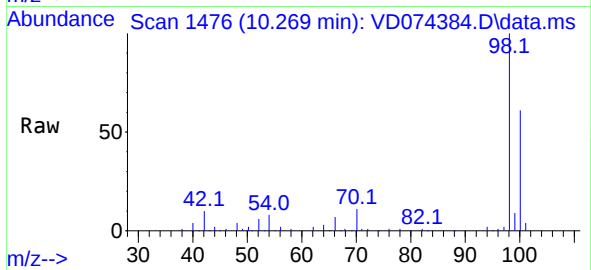




#50  
Toluene-d8  
Concen: 42.435 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. -0.000 min  
Lab File: VD074384.D  
Acq: 21 Sep 2022 12:53

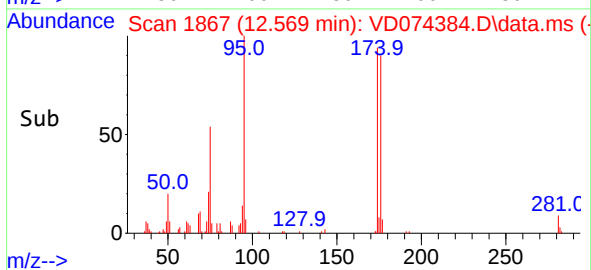
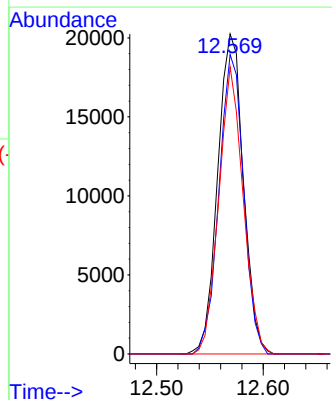
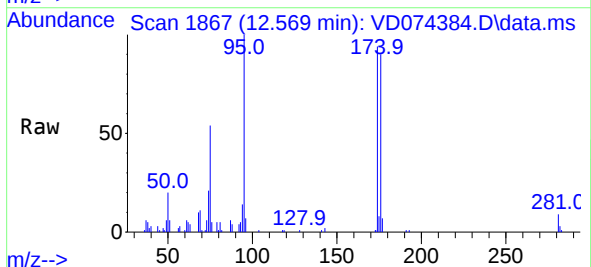
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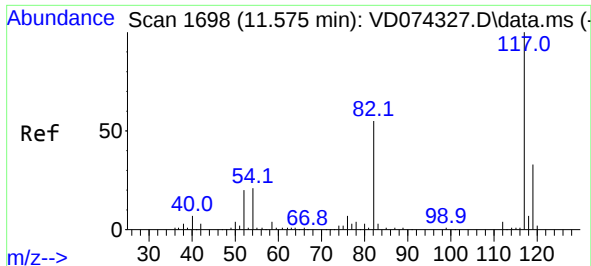
Tgt Ion: 98 Resp: 181258  
Ion Ratio Lower Upper  
98 100  
100 61.9 51.8 77.8



#62  
4-Bromofluorobenzene  
Concen: 19.934 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. -0.000 min  
Lab File: VD074384.D  
Acq: 21 Sep 2022 12:53

Tgt Ion: 95 Resp: 33831  
Ion Ratio Lower Upper  
95 100  
174 89.8 0.0 179.2  
176 85.1 0.0 171.4

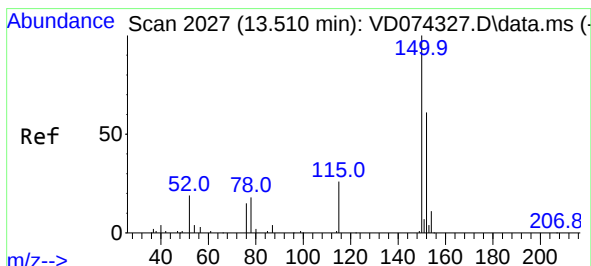
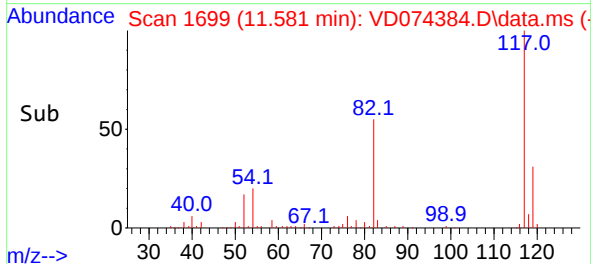
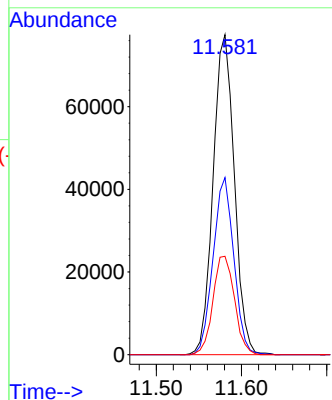
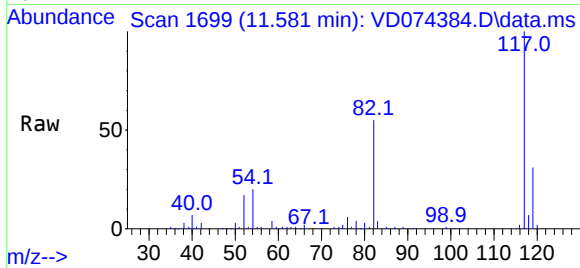




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. 0.006 min  
Lab File: VD074384.D  
Acq: 21 Sep 2022 12:53

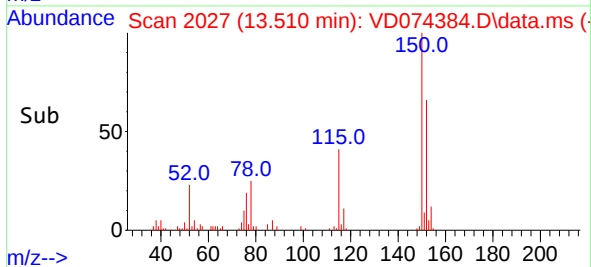
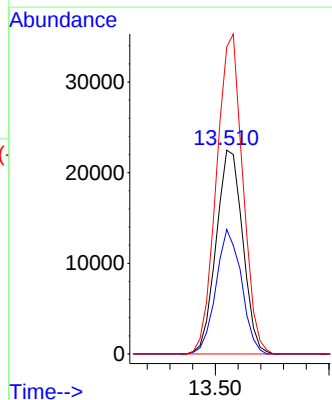
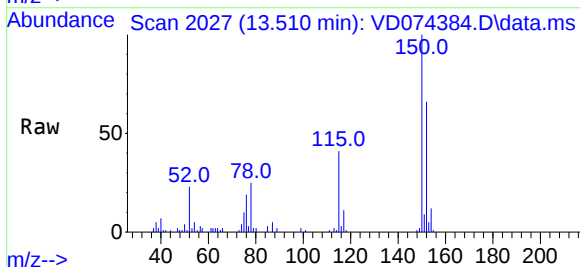
Instrument :  
MSVOA\_D  
ClientSampleId :

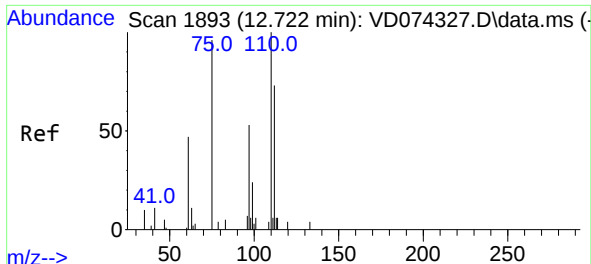
Tgt Ion:117 Resp: 133819  
Ion Ratio Lower Upper  
117 100  
82 55.3 44.2 66.2  
119 30.7 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.510 min Scan# 2027  
Delta R.T. -0.000 min  
Lab File: VD074384.D  
Acq: 21 Sep 2022 12:53

Tgt Ion:152 Resp: 36520  
Ion Ratio Lower Upper  
152 100  
115 58.7 28.4 85.2  
150 155.5 0.0 351.0

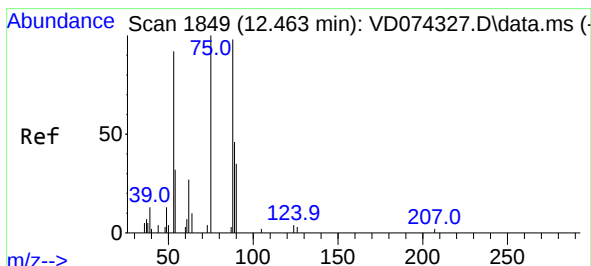
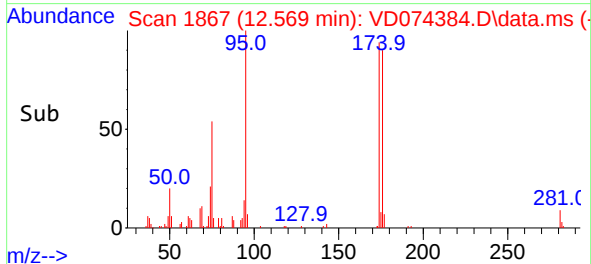
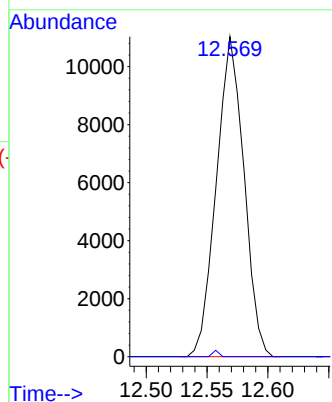
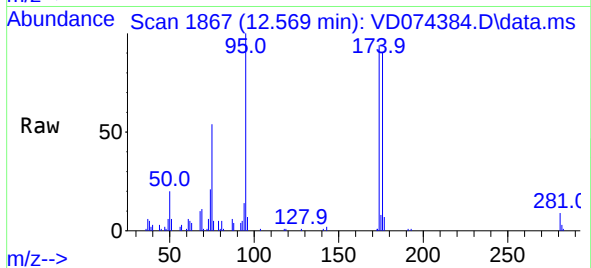




#76  
1,2,3-Trichloropropane  
Concen: 51.457 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. -0.153 min  
Lab File: VD074384.D  
Acq: 21 Sep 2022 12:53

Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion: 75 Resp: 17387  
Ion Ratio Lower Upper  
75 100  
77 0.4 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 128.965 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. 0.106 min  
Lab File: VD074384.D  
Acq: 21 Sep 2022 12:53

Tgt Ion: 75 Resp: 17387  
Ion Ratio Lower Upper  
75 100  
53 0.0 0.0 0.0  
89 0.0 0.0 0.0

