

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD100622\  
 Data File : VD074470.D  
 Acq On : 06 Oct 2022 17:04  
 Operator : VA/SY  
 Sample : N5014-07  
 Misc : 4.99G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-08-0-2.0

Quant Time: Oct 07 01:27:01 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

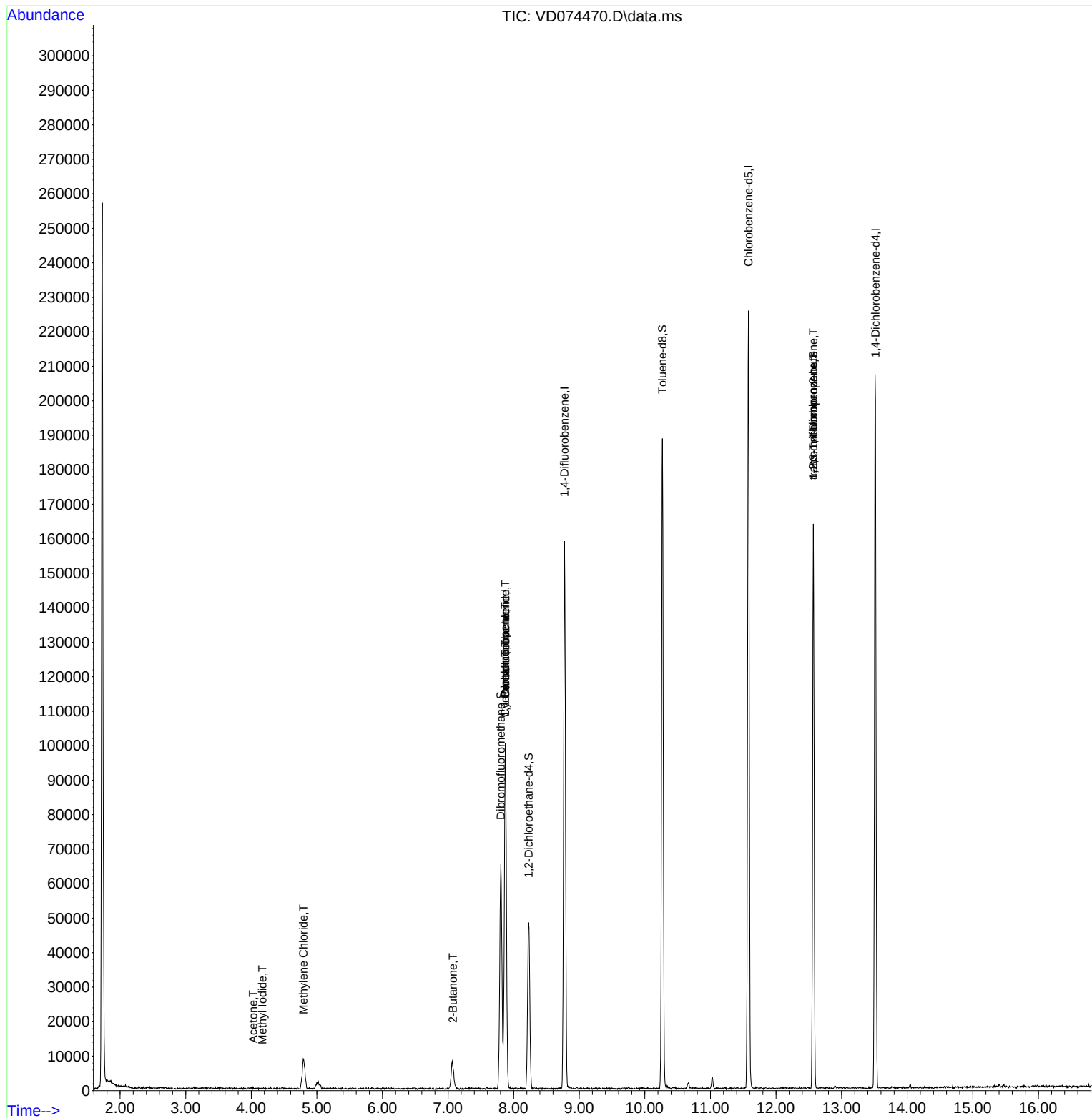
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.875  | 168   | 79199    | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.775  | 114   | 147276   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.581 | 117   | 137501   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.516 | 152   | 58230    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.228  | 65    | 39570    | 56.235    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 112.460% |
| 35) Dibromofluoromethane      | 7.804  | 113   | 47529    | 48.941    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 97.880%  |
| 50) Toluene-d8                | 10.269 | 98    | 137129   | 39.069    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 78.140%  |
| 62) 4-Bromofluorobenzene      | 12.569 | 95    | 49313    | 44.278    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 88.560%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 10) Methyl Iodide             | 4.169  | 142   | 56       | 5.856     | ug/l # | 43       |
| 11) Tert butyl alcohol        | 5.022  | 59    | 2105     | Below Cal | #      | 84       |
| 16) Acetone                   | 4.028  | 43    | 69       | 12.311    | ug/l # | 37       |
| 20) Methylene Chloride        | 4.793  | 84    | 7493     | 1.913     | ug/l # | 88       |
| 25) 2-Butanone                | 7.075  | 43    | 220      | 1.090     | ug/l # | 42       |
| 31) Cyclohexane               | 7.869  | 56    | 1580     | 1.118     | ug/l # | 66       |
| 36) 1,1-Dichloropropene       | 7.869  | 75    | 5867     | 4.304     | ug/l # | 44       |
| 38) Carbon Tetrachloride      | 7.875  | 117   | 7966     | 6.594     | ug/l # | 18       |
| 76) 1,2,3-Trichloropropane    | 12.569 | 75    | 24865    | 55.627    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.569 | 75    | 24865    | 124.111   | ug/l # | 17       |
| -----                         |        |       |          |           |        |          |

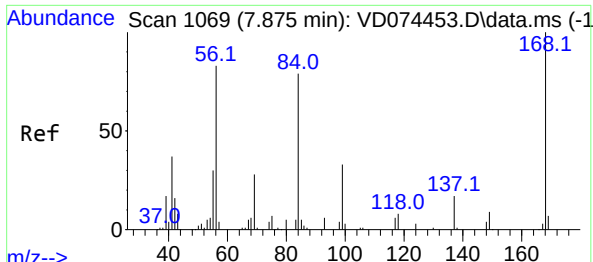
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-08-0-2.0

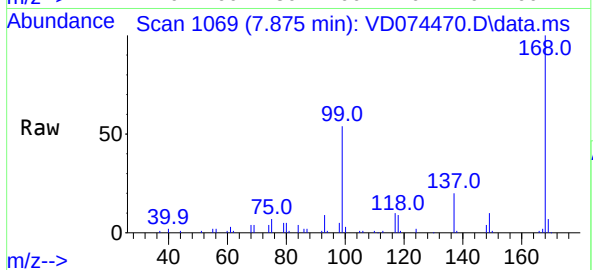
Quant Time: Oct 07 01:27:01 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D100522S.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 06 01:54:40 2022  
Response via : Initial Calibration



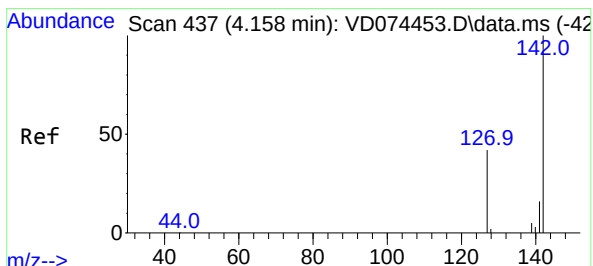
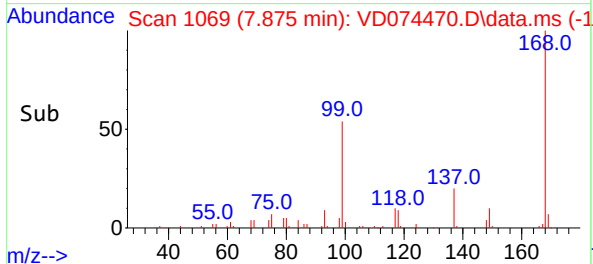
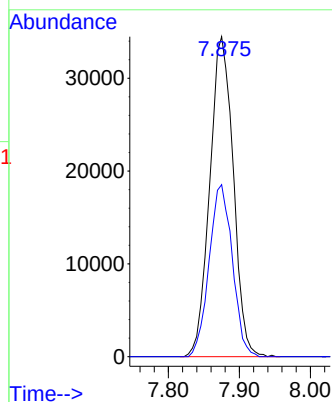


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD074470.D  
Acq: 06 Oct 2022 17:04

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-08-0-2.0

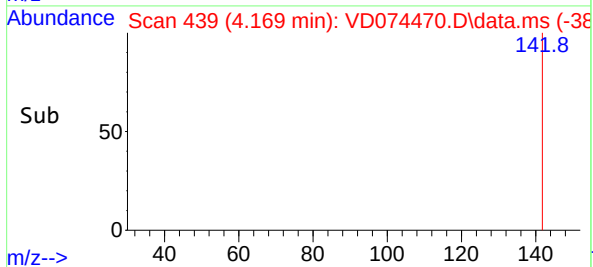
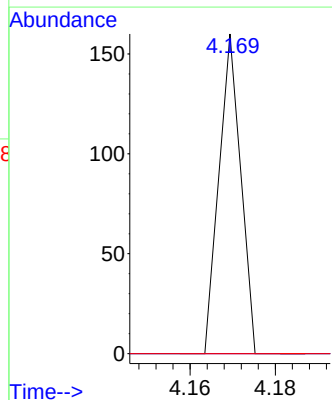
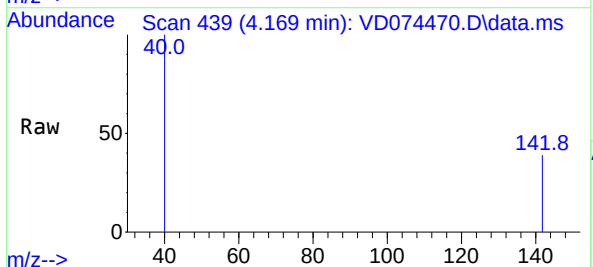


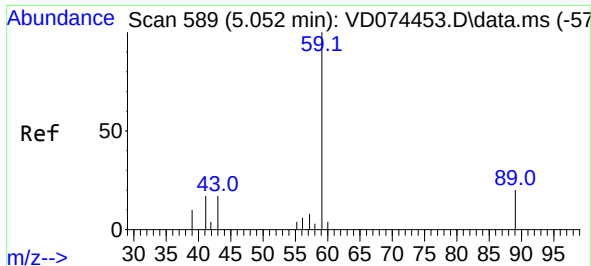
Tgt Ion:168 Resp: 79199  
Ion Ratio Lower Upper  
168 100  
99 53.8 40.9 61.3



#10  
Methyl Iodide  
Concen: 5.856 ug/l  
RT: 4.169 min Scan# 439  
Delta R.T. 0.011 min  
Lab File: VD074470.D  
Acq: 06 Oct 2022 17:04

Tgt Ion:142 Resp: 56  
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: 5.022 min Scan# 51

Delta R.T. -0.030 min

Lab File: VD074470.D

Acq: 06 Oct 2022 17:04

Instrument :

MSVOA\_D

ClientSampleId :

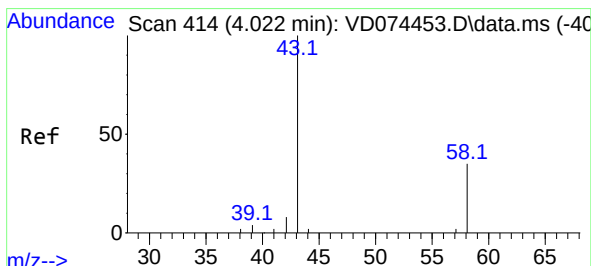
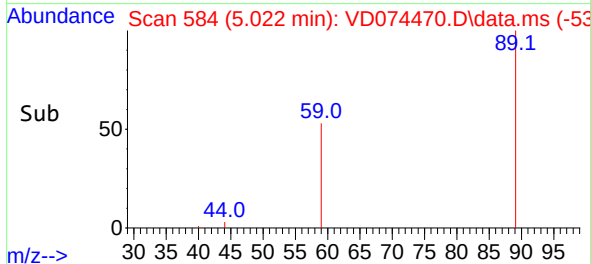
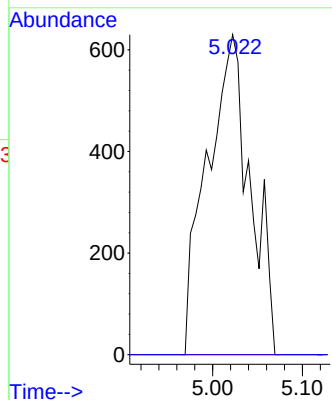
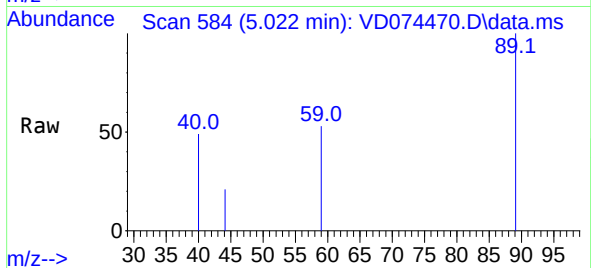
SB-08-0-2.0

Tgt Ion: 59 Resp: 2105

Ion Ratio Lower Upper

59 100

57 0.0 4.4 6.6#



#16

Acetone

Concen: 12.311 ug/l

RT: 4.028 min Scan# 415

Delta R.T. 0.006 min

Lab File: VD074470.D

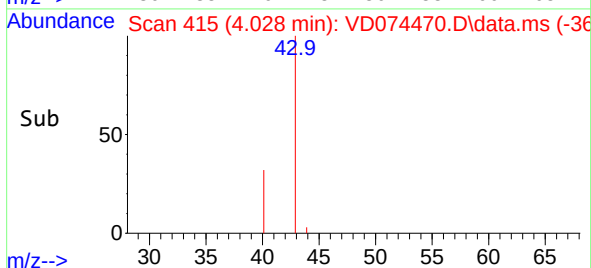
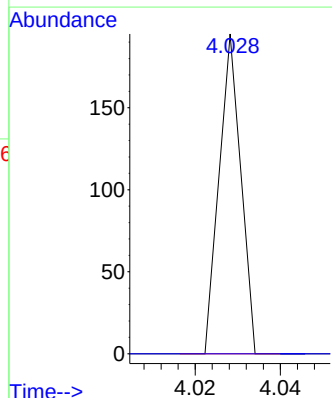
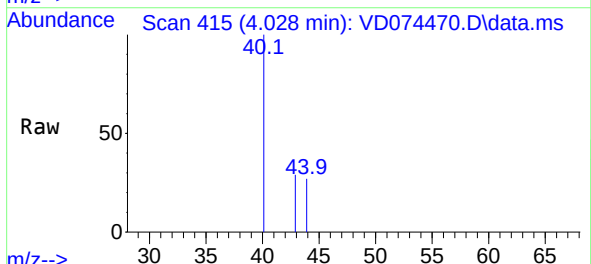
Acq: 06 Oct 2022 17:04

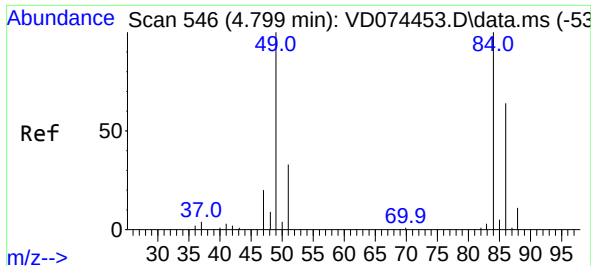
Tgt Ion: 43 Resp: 69

Ion Ratio Lower Upper

43 100

58 0.0 30.2 45.2#

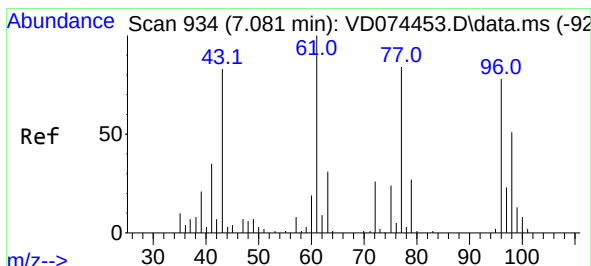
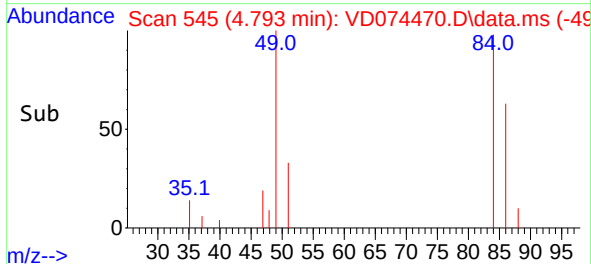
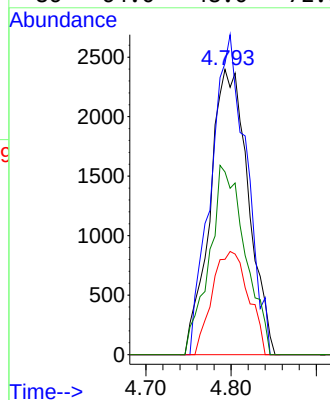
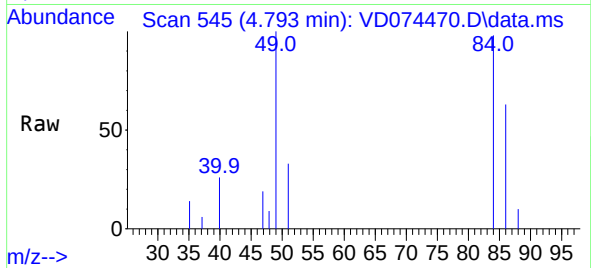




#20  
Methylene Chloride  
Concen: 1.913 ug/l  
RT: 4.793 min Scan# 54  
Delta R.T. -0.006 min  
Lab File: VD074470.D  
Acq: 06 Oct 2022 17:04

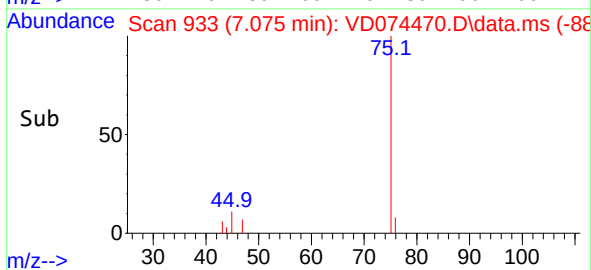
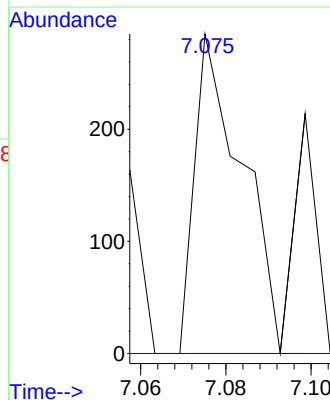
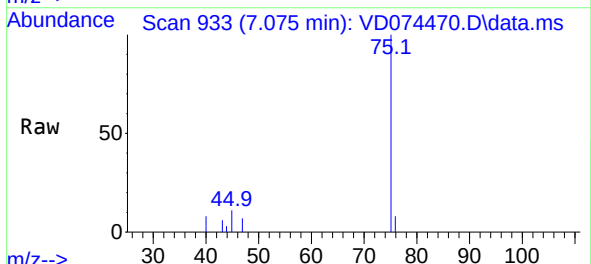
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-08-0-2.0

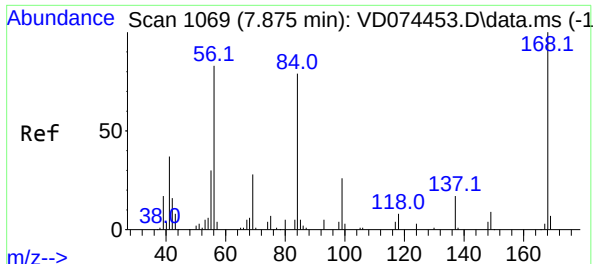
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 7493   |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 102.2 | 68.0  | 102.0# |
| 51       | 33.4  | 23.2  | 34.8   |
| 86       | 64.0  | 48.0  | 72.0   |



#25  
2-Butanone  
Concen: 1.090 ug/l  
RT: 7.075 min Scan# 933  
Delta R.T. -0.006 min  
Lab File: VD074470.D  
Acq: 06 Oct 2022 17:04

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 220   |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 0.0   | 25.8  | 38.8# |

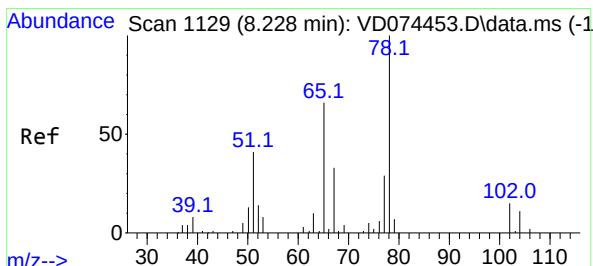
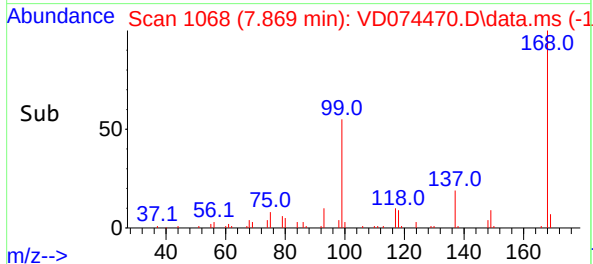
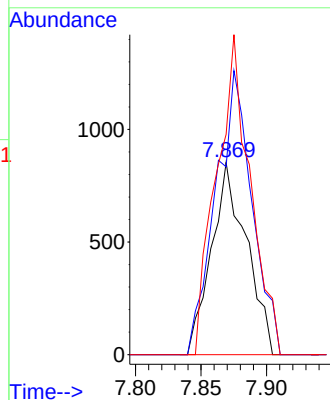
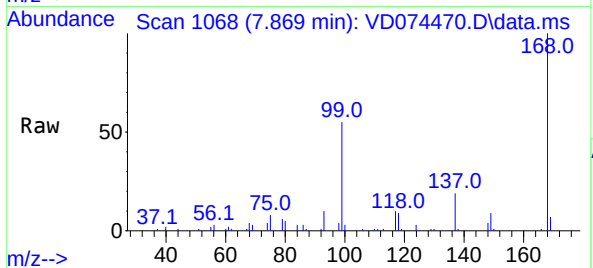




#31  
Cyclohexane  
Concen: 1.118 ug/l  
RT: 7.869 min Scan# 1069  
Delta R.T. -0.006 min  
Lab File: VD074470.D  
Acq: 06 Oct 2022 17:04

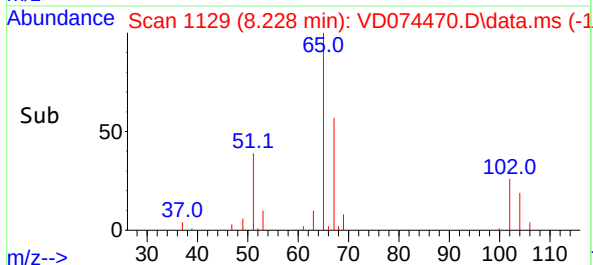
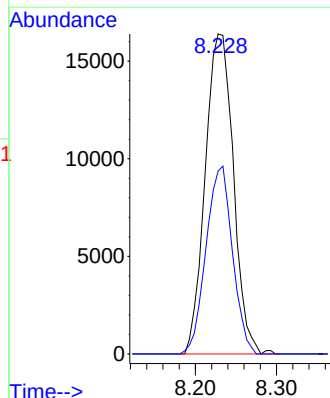
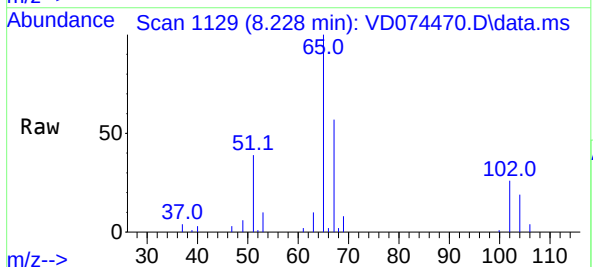
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-08-0-2.0

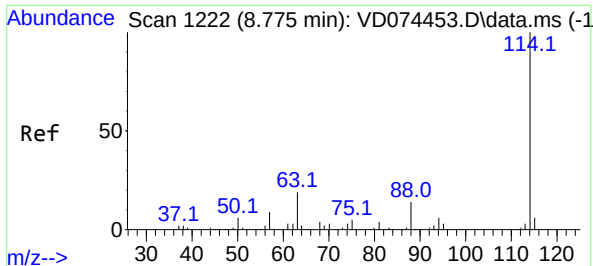
Tgt Ion: 56 Resp: 1580  
Ion Ratio Lower Upper  
56 100  
69 97.7 29.2 43.8#  
84 114.5 83.4 125.2



#33  
1,2-Dichloroethane-d4  
Concen: 56.235 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. -0.000 min  
Lab File: VD074470.D  
Acq: 06 Oct 2022 17:04

Tgt Ion: 65 Resp: 39570  
Ion Ratio Lower Upper  
65 100  
67 54.9 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD074470.D

Acq: 06 Oct 2022 17:04

Instrument :

MSVOA\_D

ClientSampleId :

SB-08-0-2.0

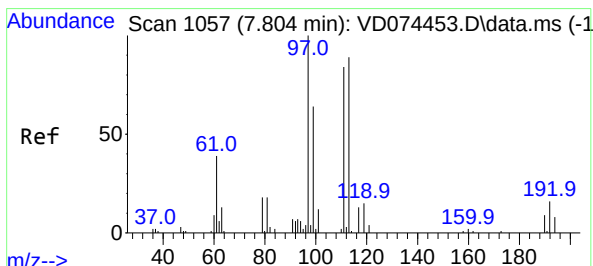
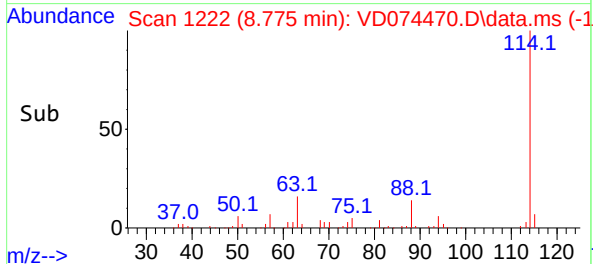
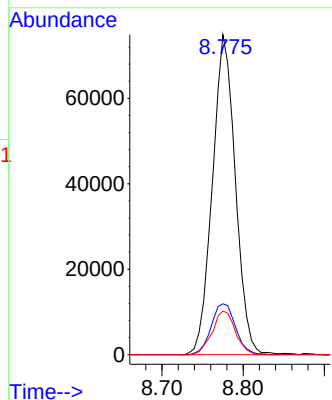
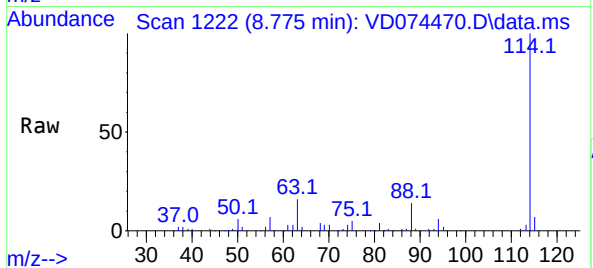
Tgt Ion:114 Resp: 147276

Ion Ratio Lower Upper

114 100

63 15.9 0.0 33.2

88 13.6 0.0 28.2



#35

Dibromofluoromethane

Concen: 48.941 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD074470.D

Acq: 06 Oct 2022 17:04

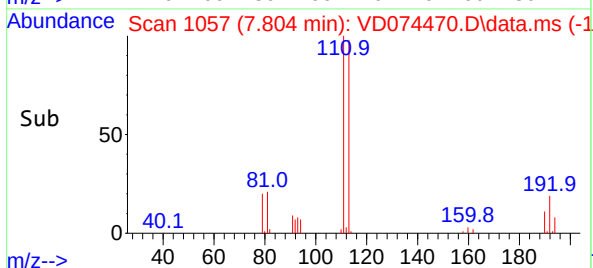
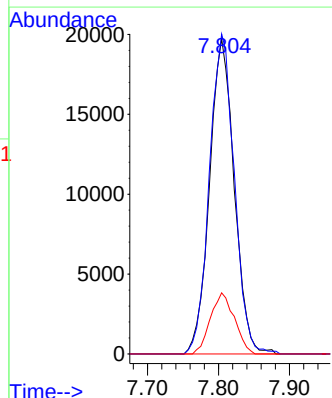
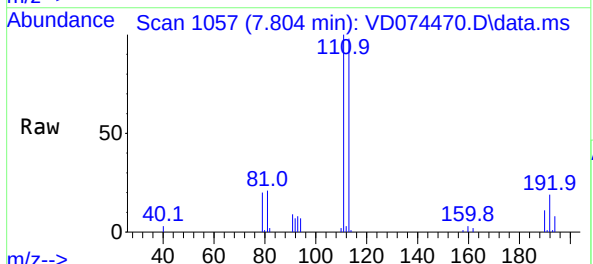
Tgt Ion:113 Resp: 47529

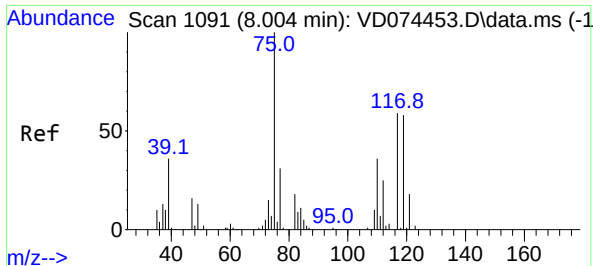
Ion Ratio Lower Upper

113 100

111 102.4 82.3 123.5

192 18.9 16.4 24.6





#36

1,1-Dichloropropene

Concen: 4.304 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VD074470.D

Acq: 06 Oct 2022 17:04

Instrument :

MSVOA\_D

ClientSampleId :

SB-08-0-2.0

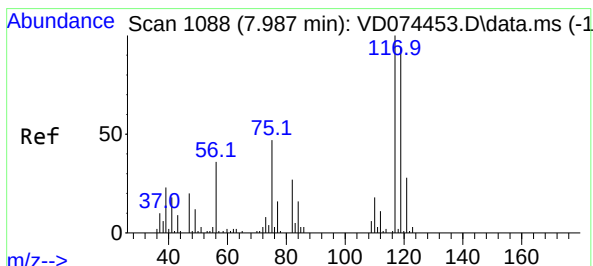
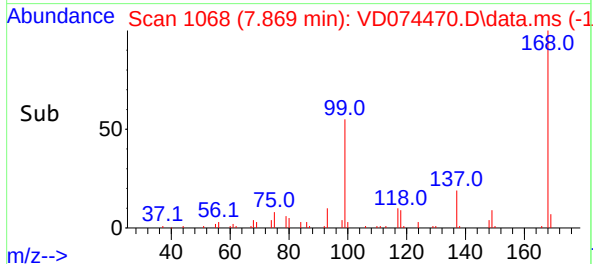
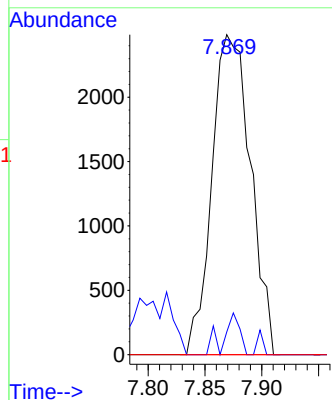
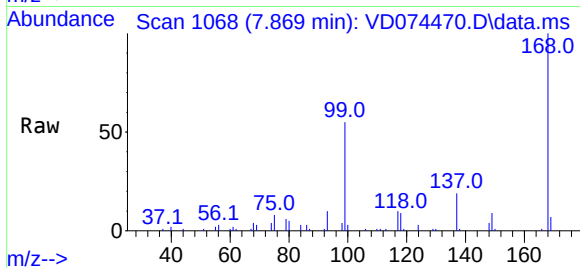
Tgt Ion: 75 Resp: 5867

Ion Ratio Lower Upper

75 100

110 5.5 19.7 59.0#

77 0.0 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 6.594 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.112 min

Lab File: VD074470.D

Acq: 06 Oct 2022 17:04

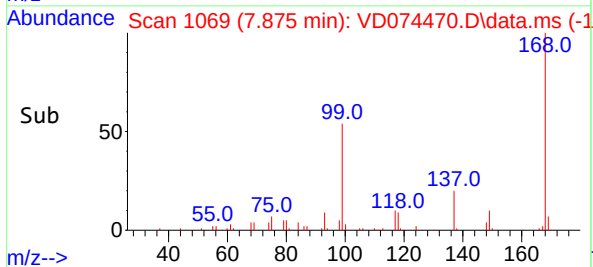
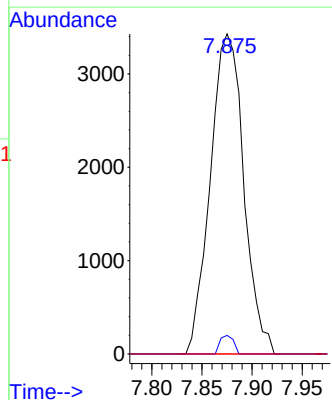
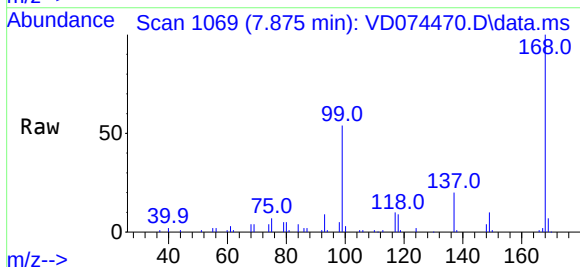
Tgt Ion: 117 Resp: 7966

Ion Ratio Lower Upper

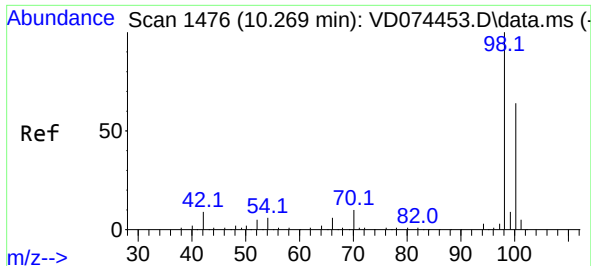
117 100

119 5.8 73.1 109.7#

121 0.0 25.0 37.6#



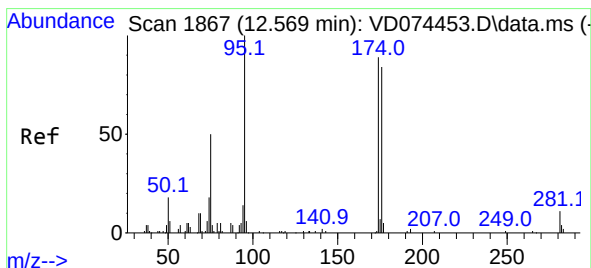
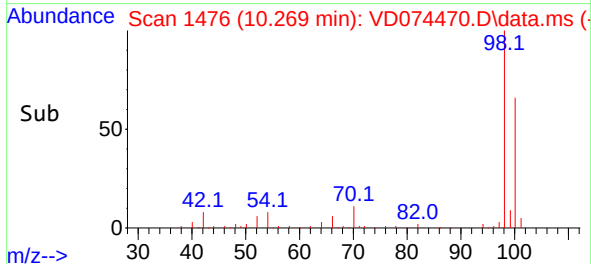
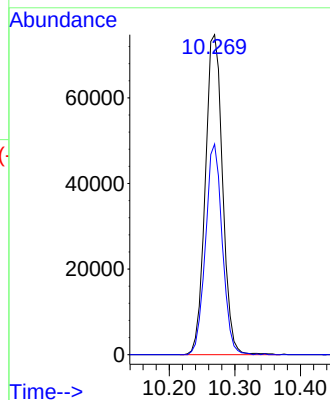
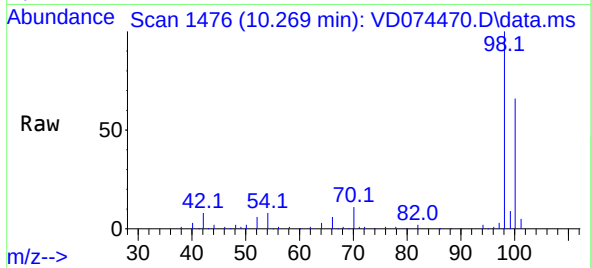




#50  
Toluene-d8  
Concen: 39.069 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD074470.D  
Acq: 06 Oct 2022 17:04

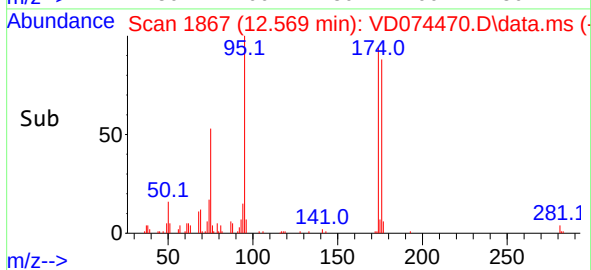
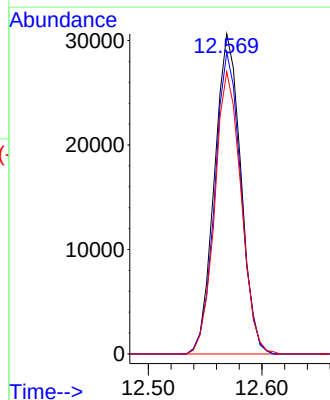
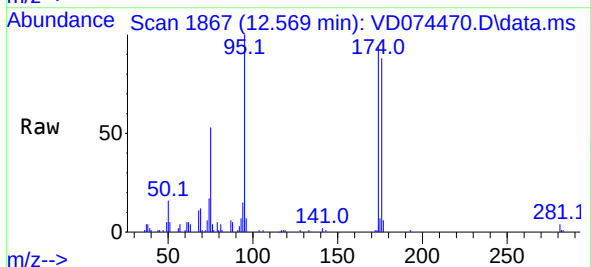
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-08-0-2.0

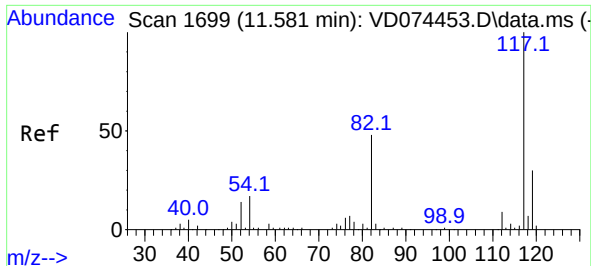
Tgt Ion: 98 Resp: 137129  
Ion Ratio Lower Upper  
98 100  
100 63.9 51.4 77.0



#62  
4-Bromofluorobenzene  
Concen: 44.278 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. -0.000 min  
Lab File: VD074470.D  
Acq: 06 Oct 2022 17:04

Tgt Ion: 95 Resp: 49313  
Ion Ratio Lower Upper  
95 100  
174 93.3 0.0 197.0  
176 88.3 0.0 182.6

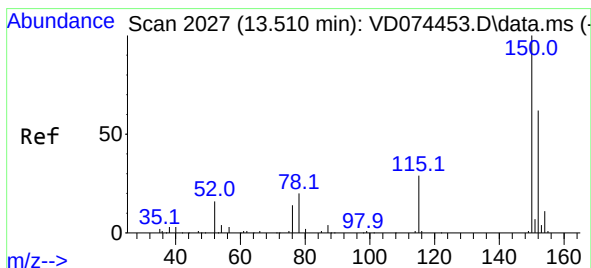
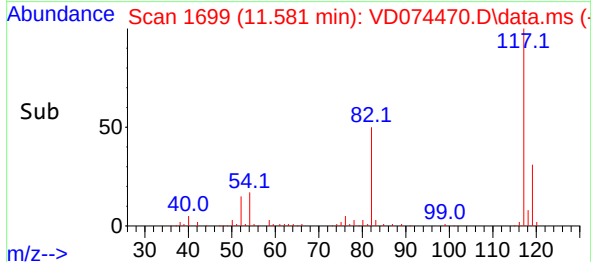
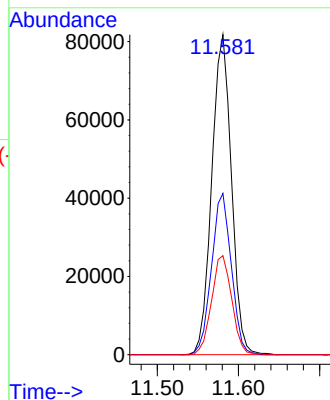
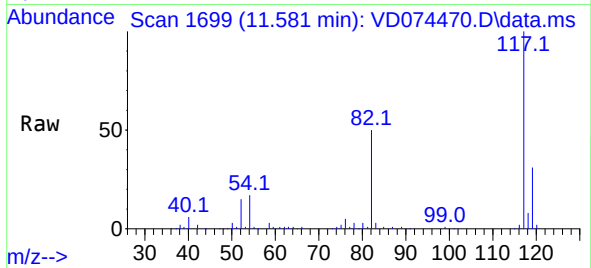




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VD074470.D  
Acq: 06 Oct 2022 17:04

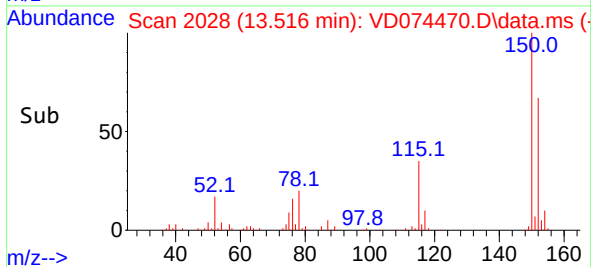
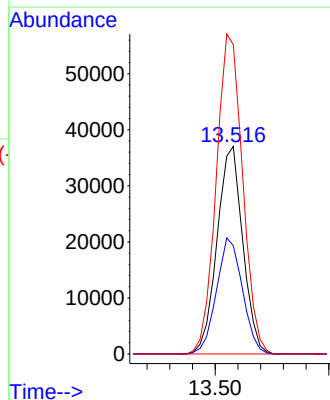
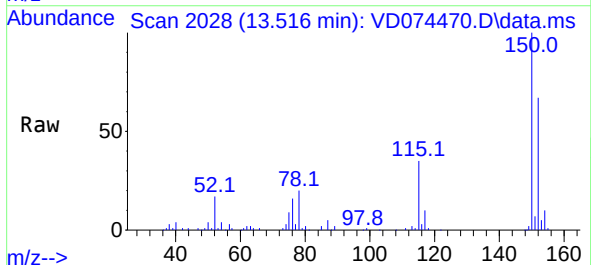
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-08-0-2.0

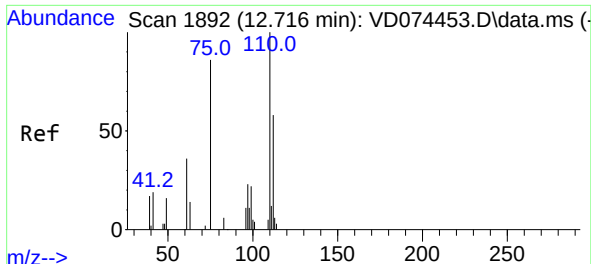
Tgt Ion:117 Resp: 137501  
Ion Ratio Lower Upper  
117 100  
82 50.4 41.6 62.4  
119 31.0 25.2 37.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. 0.006 min  
Lab File: VD074470.D  
Acq: 06 Oct 2022 17:04

Tgt Ion:152 Resp: 58230  
Ion Ratio Lower Upper  
152 100  
115 56.5 26.8 80.4  
150 158.4 0.0 348.2

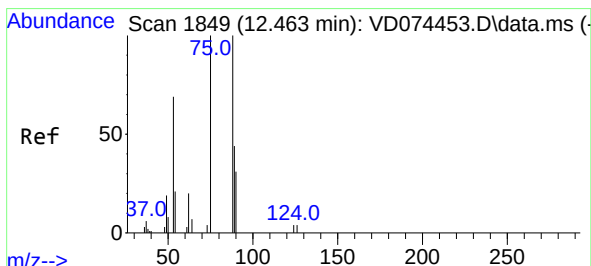
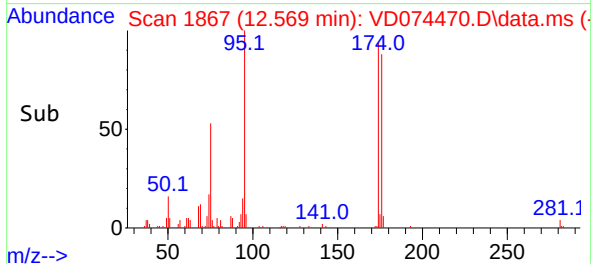
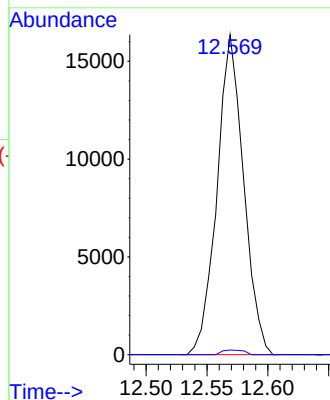
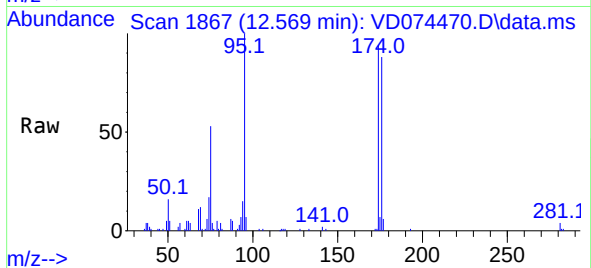




#76  
1,2,3-Trichloropropane  
Concen: 55.627 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. -0.147 min  
Lab File: VD074470.D  
Acq: 06 Oct 2022 17:04

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-08-0-2.0

Tgt Ion: 75 Resp: 24865  
Ion Ratio Lower Upper  
75 100  
77 1.2 185.8 557.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 124.111 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. 0.106 min  
Lab File: VD074470.D  
Acq: 06 Oct 2022 17:04

Tgt Ion: 75 Resp: 24865  
Ion Ratio Lower Upper  
75 100  
53 0.0 63.8 95.6#  
89 0.0 38.2 57.4#

