

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071224\  
 Data File : VY018792.D  
 Acq On : 12 Jul 2024 13:01  
 Operator : SY/MD  
 Sample : P3184-04  
 Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 MOO-23-00199

Quant Time: Jul 12 14:00:55 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y070924S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 09 14:28:51 2024  
 Response via : Initial Calibration

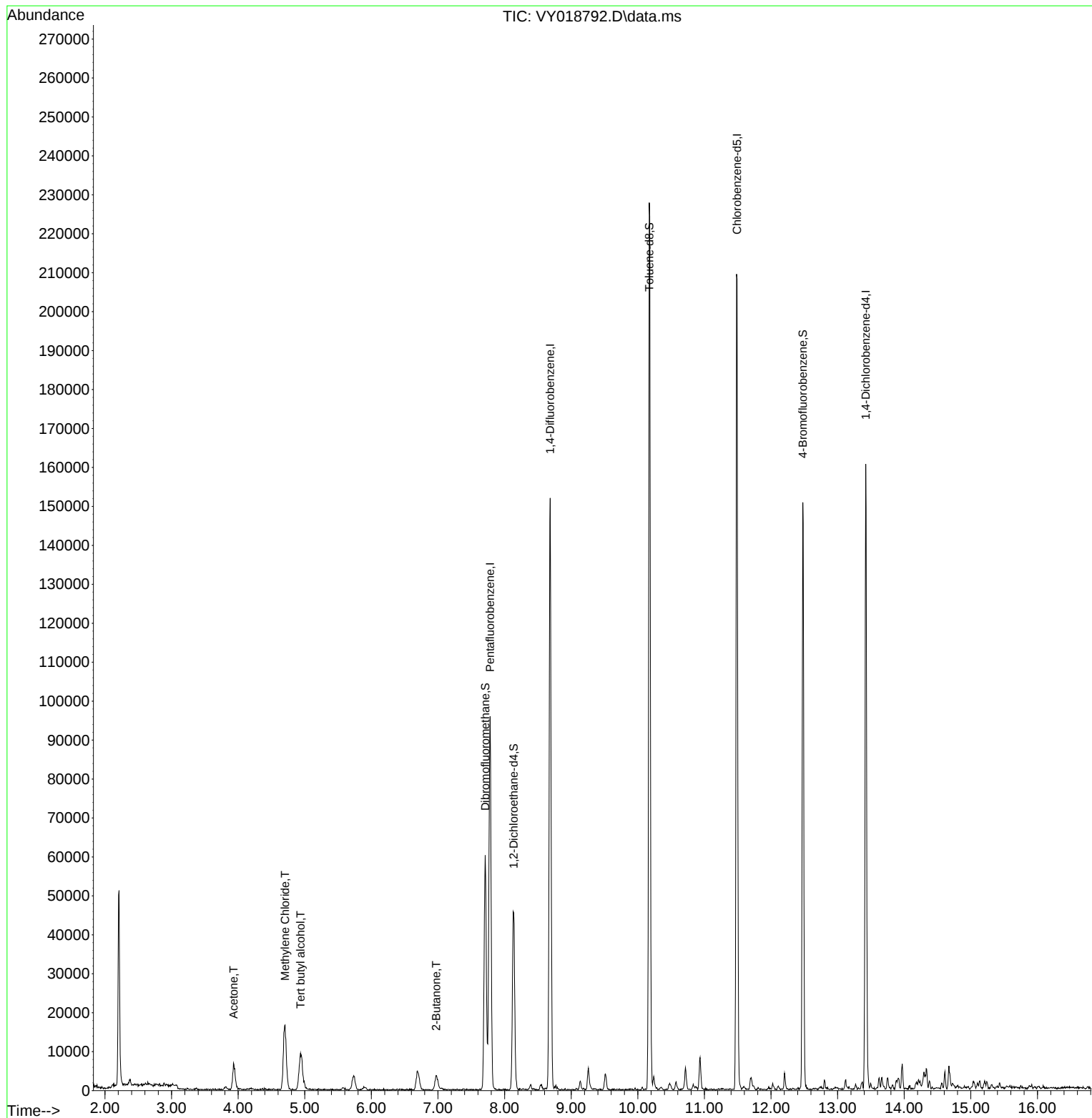
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.783  | 168   | 74889    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.685  | 114   | 134014   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 115698   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152   | 41568    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 37280    | 50.589   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 101.180% |
| 35) Dibromofluoromethane    | 7.710  | 113   | 41834    | 49.840   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 99.680%  |
| 50) Toluene-d8              | 10.173 | 98    | 149813   | 47.111   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =      | 94.220%  |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 45136    | 41.563   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =      | 83.120%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 11) Tert butyl alcohol      | 4.936  | 59    | 17767    | 238.001  | ug/l # | 77       |
| 16) Acetone                 | 3.930  | 43    | 11203    | 82.460   | ug/l   | 99       |
| 20) Methylene Chloride      | 4.704  | 84    | 12902    | 13.106   | ug/l   | 85       |
| 25) 2-Butanone              | 6.972  | 43    | 3887     | 20.411   | ug/l   | 99       |
| -----                       |        |       |          |          |        |          |

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

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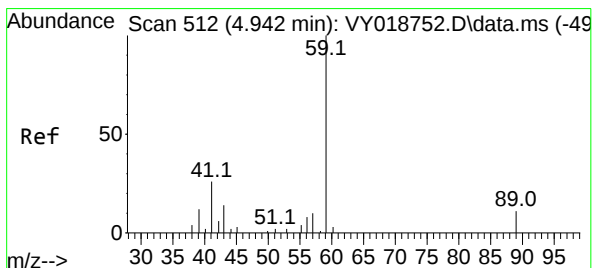
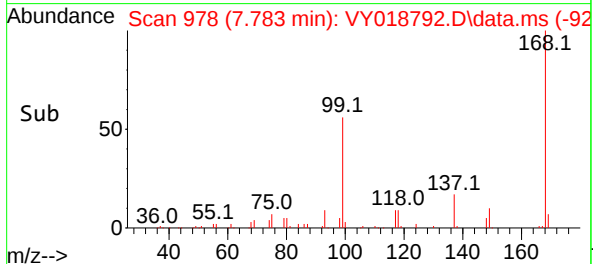
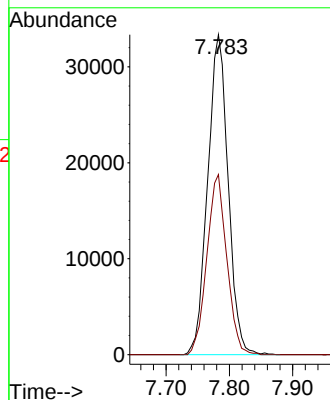
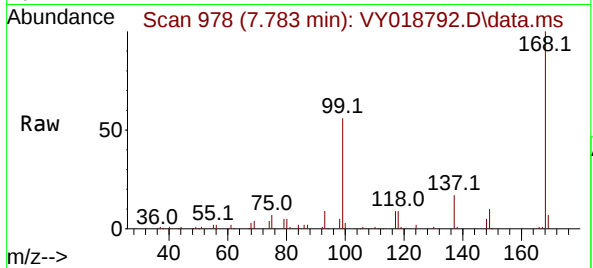




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY018792.D  
Acq: 12 Jul 2024 13:01

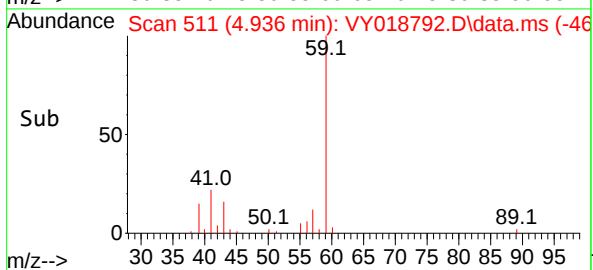
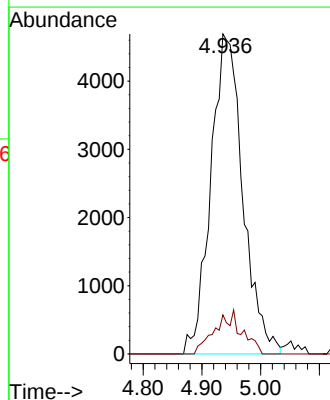
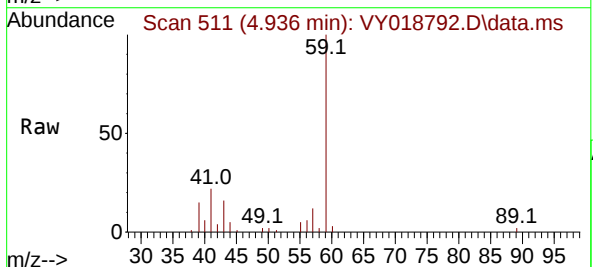
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MOO-23-00199

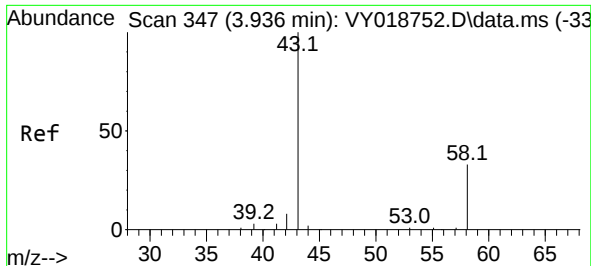
Tgt Ion:168 Resp: 74889  
Ion Ratio Lower Upper  
168 100  
99 56.3 39.1 58.7



#11  
Tert butyl alcohol  
Concen: 238.001 ug/l  
RT: 4.936 min Scan# 511  
Delta R.T. -0.006 min  
Lab File: VY018792.D  
Acq: 12 Jul 2024 13:01

Tgt Ion: 59 Resp: 17767  
Ion Ratio Lower Upper  
59 100  
57 11.4 3.0 4.6#





#16

Acetone

Concen: 82.460 ug/l

RT: 3.930 min Scan# 34

Delta R.T. -0.006 min

Lab File: VY018792.D

Acq: 12 Jul 2024 13:01

Instrument :

MSVOA\_Y

ClientSampleId :

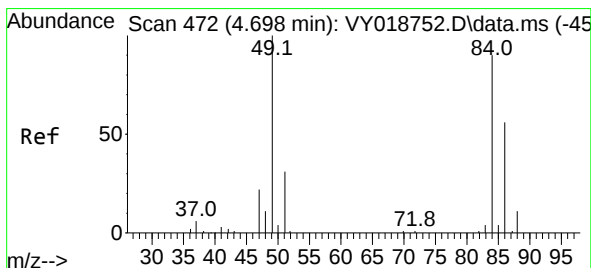
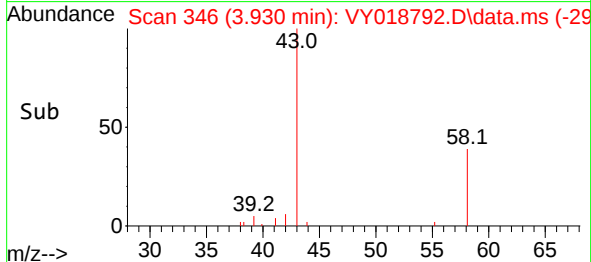
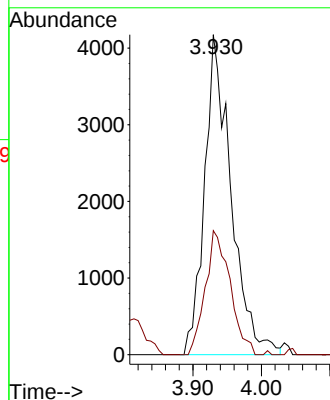
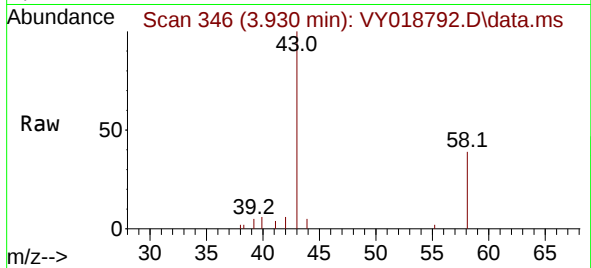
MOO-23-00199

Tgt Ion: 43 Resp: 11203

Ion Ratio Lower Upper

43 100

58 38.7 31.7 47.5



#20

Methylene Chloride

Concen: 13.106 ug/l

RT: 4.704 min Scan# 473

Delta R.T. 0.006 min

Lab File: VY018792.D

Acq: 12 Jul 2024 13:01

Tgt Ion: 84 Resp: 12902

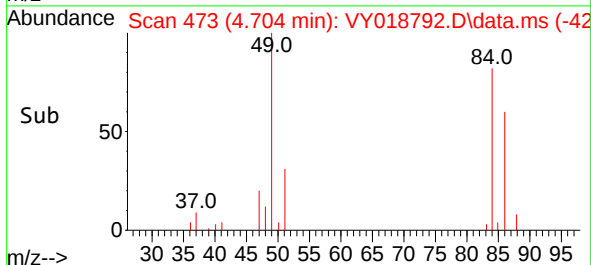
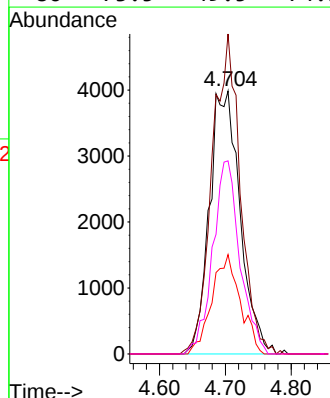
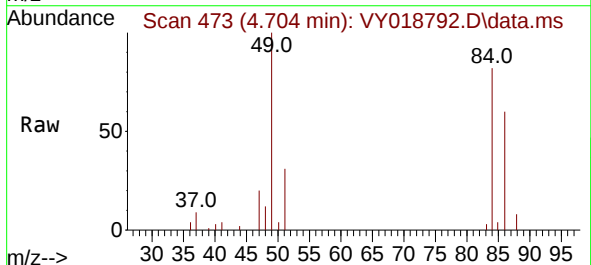
Ion Ratio Lower Upper

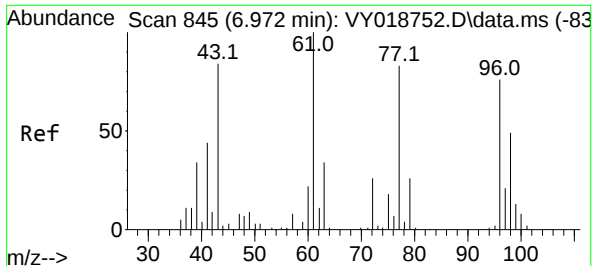
84 100

49 121.7 84.4 126.6

51 37.8 26.0 39.0

86 73.5 49.5 74.3





#25

2-Butanone

Concen: 20.411 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.000 min

Lab File: VY018792.D

Acq: 12 Jul 2024 13:01

Instrument :

MSVOA\_Y

ClientSampleId :

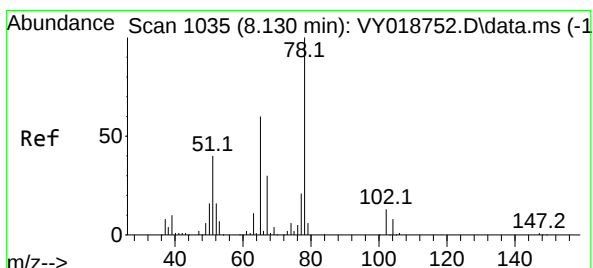
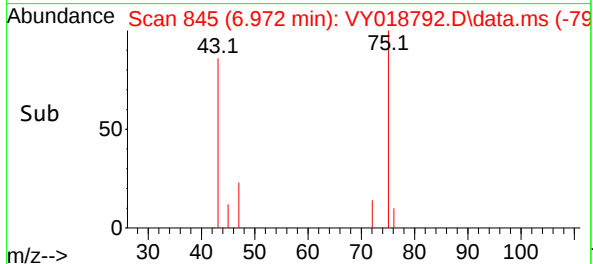
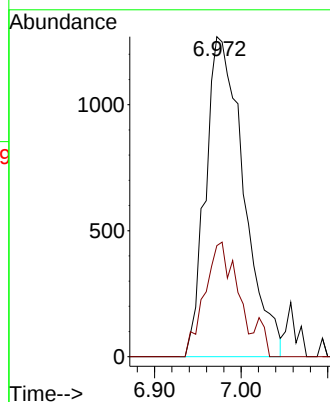
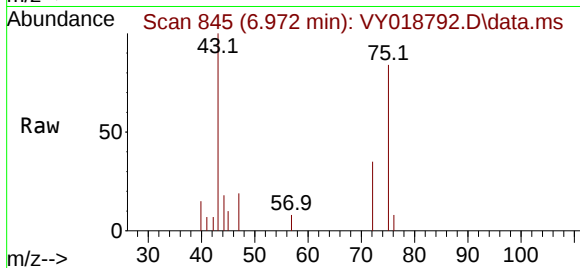
MOO-23-00199

Tgt Ion: 43 Resp: 3887

Ion Ratio Lower Upper

43 100

72 34.7 27.3 40.9



#33

1,2-Dichloroethane-d4

Concen: 50.589 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.006 min

Lab File: VY018792.D

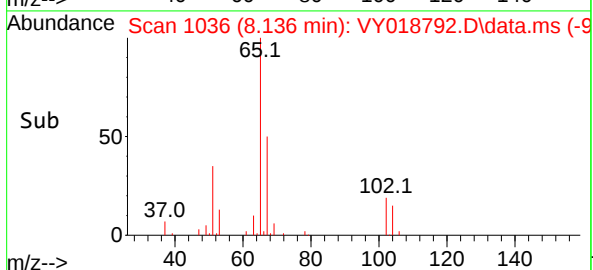
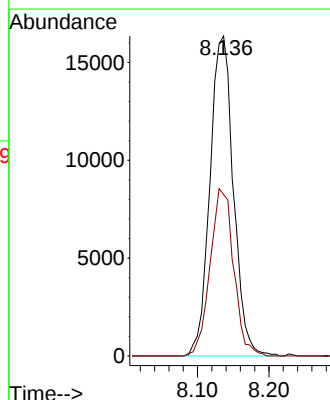
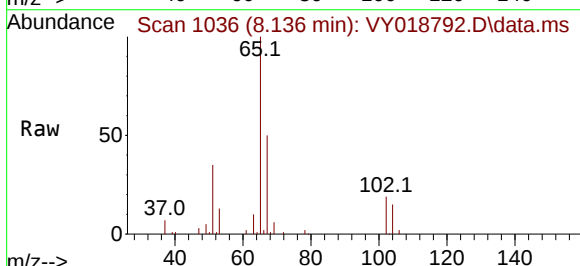
Acq: 12 Jul 2024 13:01

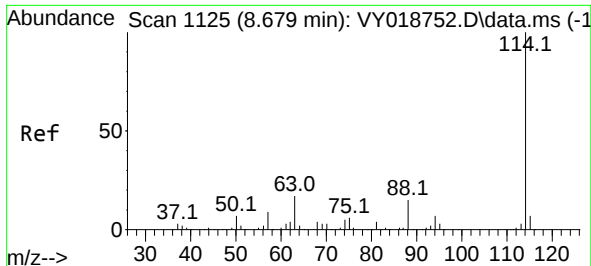
Tgt Ion: 65 Resp: 37280

Ion Ratio Lower Upper

65 100

67 52.5 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VY018792.D

Acq: 12 Jul 2024 13:01

Instrument :

MSVOA\_Y

ClientSampleId :

MOO-23-00199

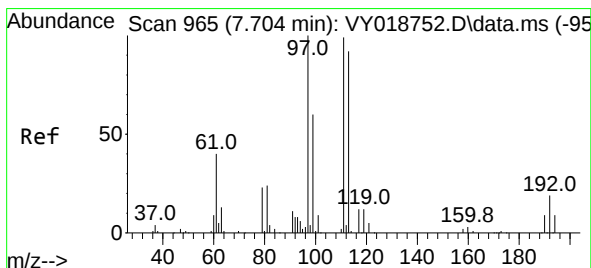
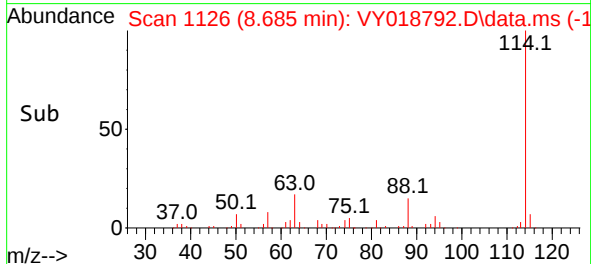
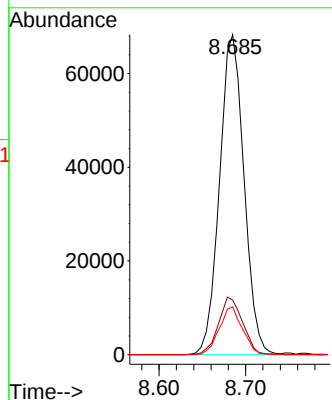
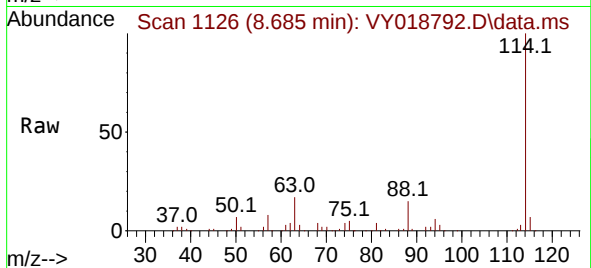
Tgt Ion:114 Resp: 134014

Ion Ratio Lower Upper

114 100

63 17.0 0.0 35.0

88 15.0 0.0 27.2



#35

Dibromofluoromethane

Concen: 49.840 ug/l

RT: 7.710 min Scan# 966

Delta R.T. 0.006 min

Lab File: VY018792.D

Acq: 12 Jul 2024 13:01

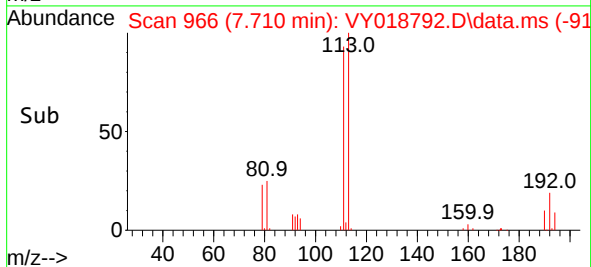
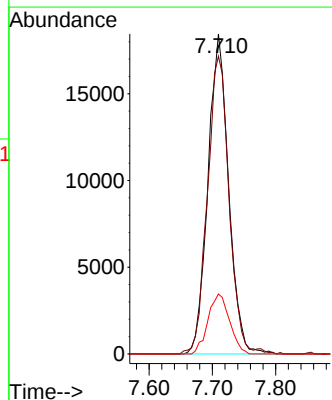
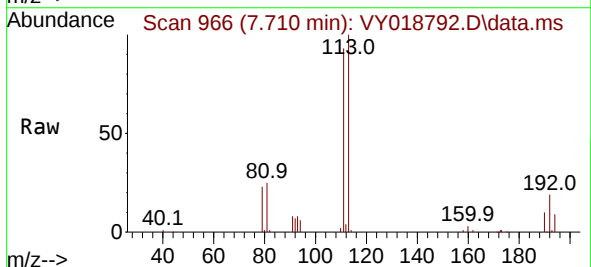
Tgt Ion:113 Resp: 41834

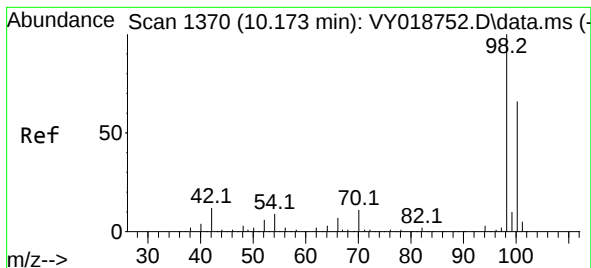
Ion Ratio Lower Upper

113 100

111 97.5 82.2 123.4

192 19.6 15.9 23.9

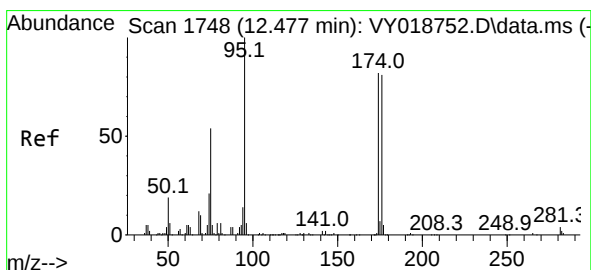
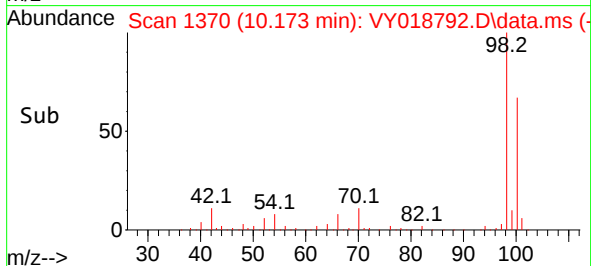
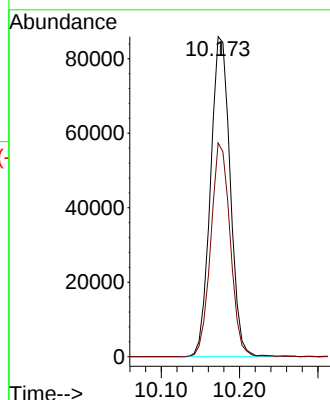
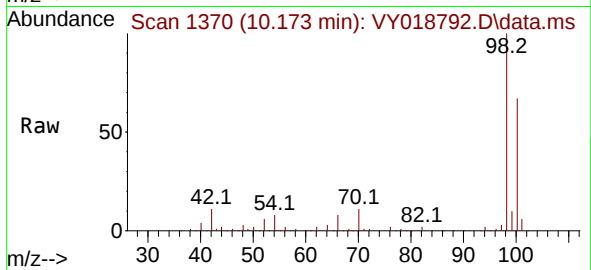




#50  
Toluene-d8  
Concen: 47.111 ug/l  
RT: 10.173 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY018792.D  
Acq: 12 Jul 2024 13:01

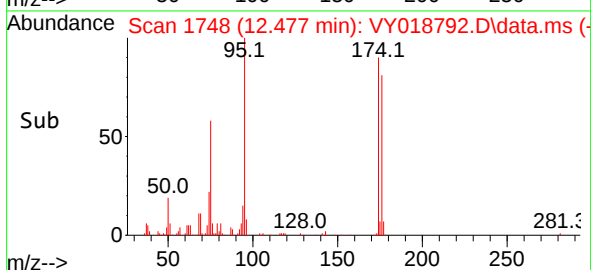
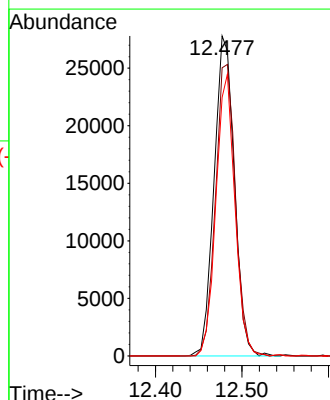
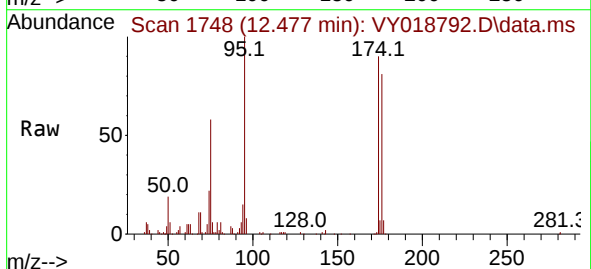
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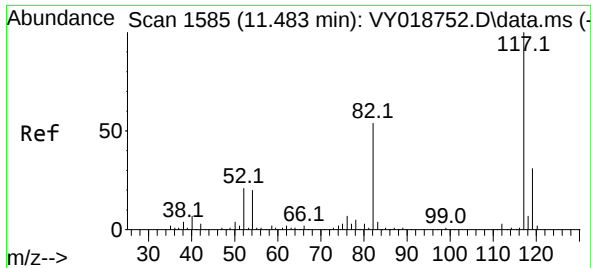
Tgt Ion: 98 Resp: 149813  
Ion Ratio Lower Upper  
98 100  
100 66.0 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 41.563 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.000 min  
Lab File: VY018792.D  
Acq: 12 Jul 2024 13:01

Tgt Ion: 95 Resp: 45136  
Ion Ratio Lower Upper  
95 100  
174 90.3 0.0 175.6  
176 82.4 0.0 171.4

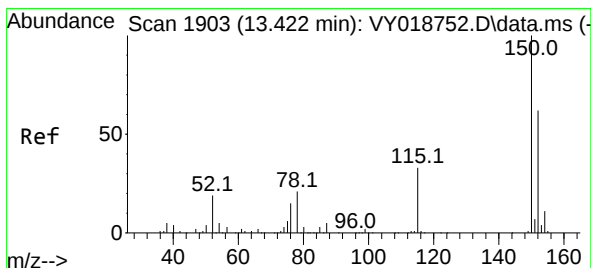
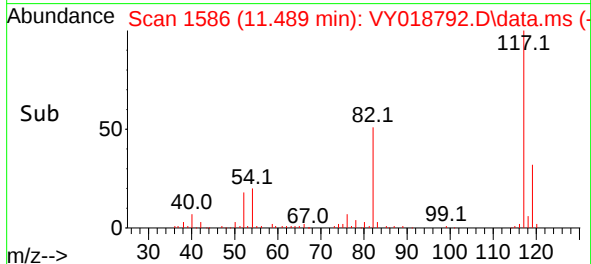
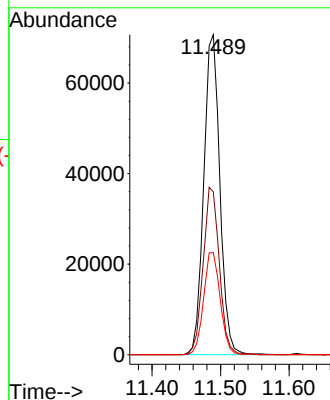
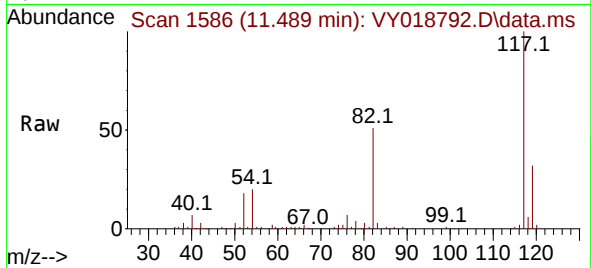




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY018792.D  
Acq: 12 Jul 2024 13:01

Instrument :  
MSVOA\_Y  
ClientSampleId :  
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Tgt Ion:117 Resp: 115698  
Ion Ratio Lower Upper  
117 100  
82 50.9 42.4 63.6  
119 31.9 25.9 38.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. -0.000 min  
Lab File: VY018792.D  
Acq: 12 Jul 2024 13:01

Tgt Ion:152 Resp: 41568  
Ion Ratio Lower Upper  
152 100  
115 59.0 28.2 84.7  
150 157.6 0.0 345.6

