

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082024\  
 Data File : VY019153.D  
 Acq On : 20 Aug 2024 16:04  
 Operator : SY/MD  
 Sample : P3643-06  
 Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 917-J-SD-0.5-1-081524

Quant Time: Aug 21 01:31:06 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081524S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 16 05:10:30 2024  
 Response via : Initial Calibration

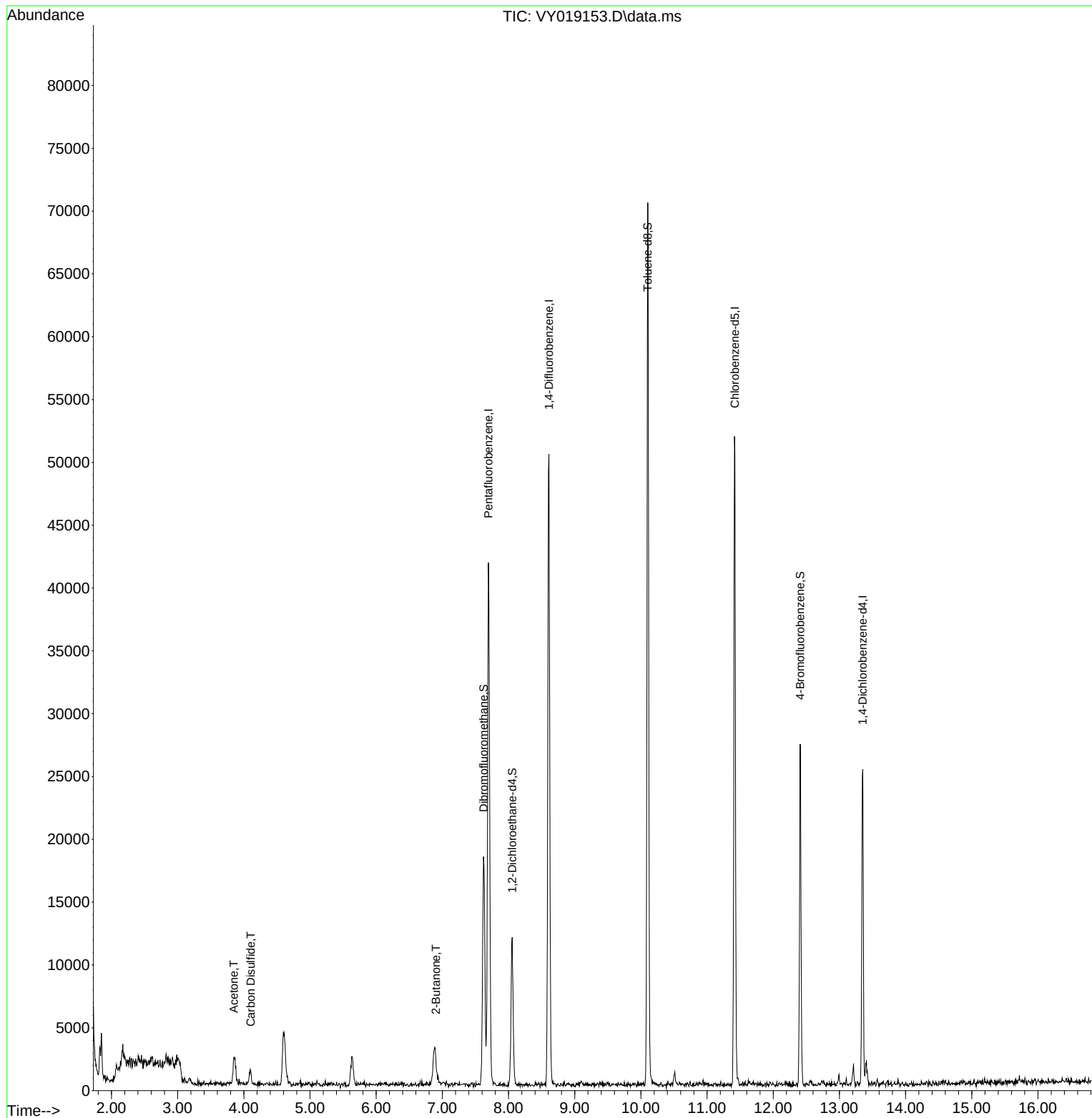
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.695  | 168   | 31017    | 50.000   | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene     | 8.609  | 114   | 44329    | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.420 | 117   | 28459    | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.352 | 152   | 6721     | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.055  | 65    | 8968     | 28.843   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 57.680%  |
| 35) Dibromofluoromethane    | 7.622  | 113   | 13307    | 45.910   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 91.820%  |
| 50) Toluene-d8              | 10.103 | 98    | 47460    | 45.500   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =      | 91.000%  |
| 62) 4-Bromofluorobenzene    | 12.407 | 95    | 7867     | 22.124   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =      | 44.240%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 3.848  | 43    | 3978     | 68.989   | ug/l   | # 78     |
| 17) Carbon Disulfide        | 4.104  | 76    | 1890     | 2.166    | ug/l   | # 76     |
| 25) 2-Butanone              | 6.902  | 43    | 1560     | 16.799   | ug/l   | # 72     |
| -----                       |        |       |          |          |        |          |

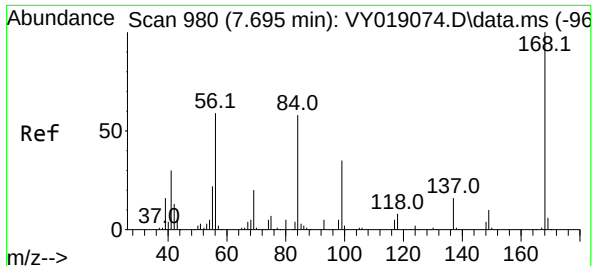
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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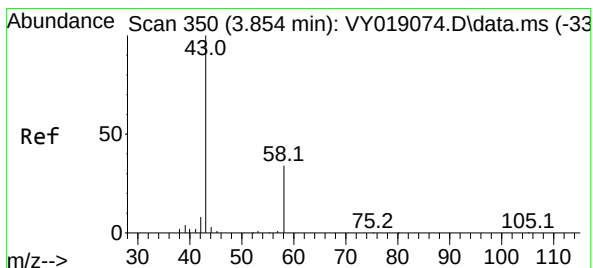
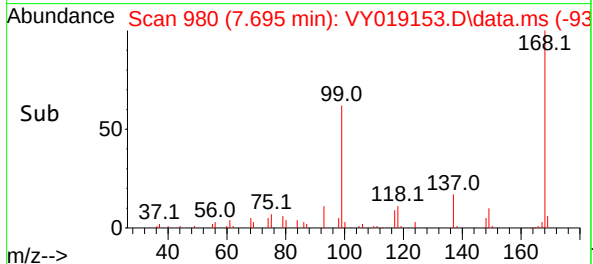
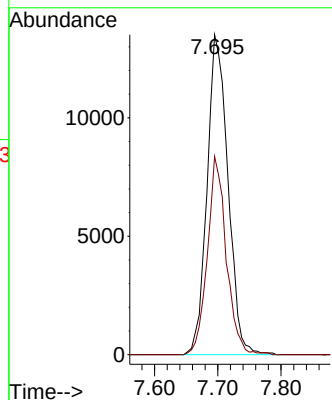
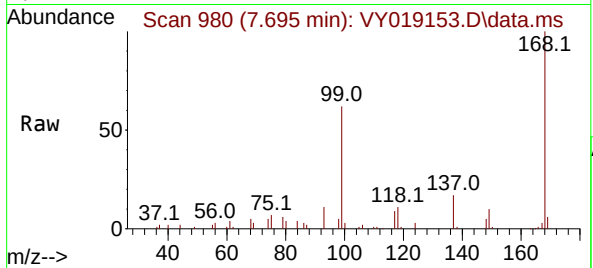




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.695 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY019153.D  
Acq: 20 Aug 2024 16:04

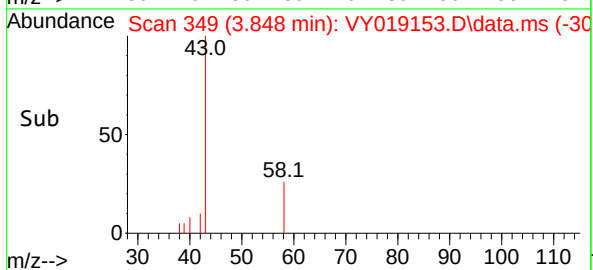
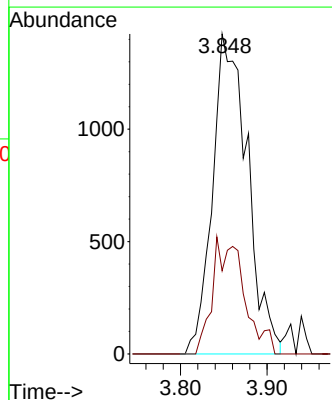
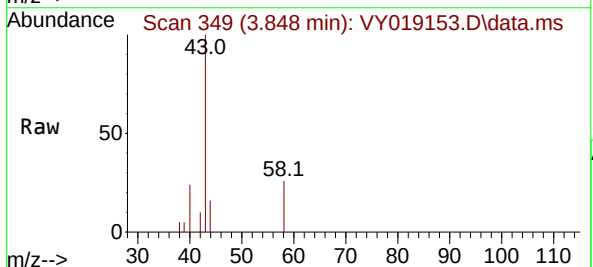
Instrument :  
MSVOA\_Y  
ClientSampleId :  
917-J-SD-0.5-1-081524

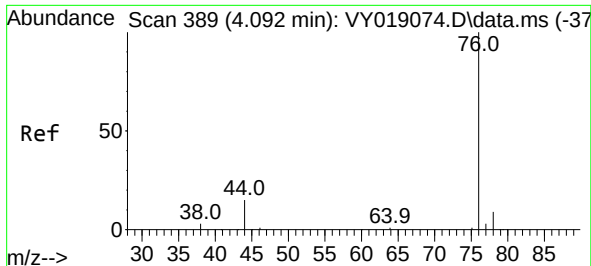
Tgt Ion:168 Resp: 31017  
Ion Ratio Lower Upper  
168 100  
99 61.9 39.1 58.7#



#16  
Acetone  
Concen: 68.989 ug/l  
RT: 3.848 min Scan# 349  
Delta R.T. -0.006 min  
Lab File: VY019153.D  
Acq: 20 Aug 2024 16:04

Tgt Ion: 43 Resp: 3978  
Ion Ratio Lower Upper  
43 100  
58 26.0 31.7 47.5#





#17

Carbon Disulfide

Concen: 2.166 ug/l

RT: 4.104 min Scan# 31

Delta R.T. 0.012 min

Lab File: VY019153.D

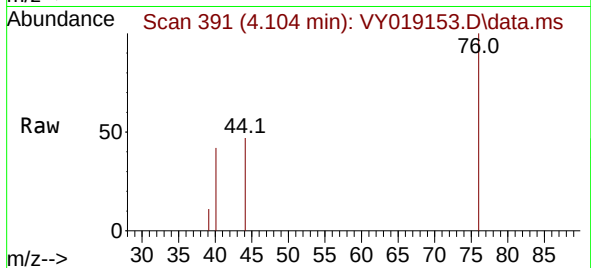
Acq: 20 Aug 2024 16:04

Instrument :

MSVOA\_Y

ClientSampleId :

917-J-SD-0.5-1-081524

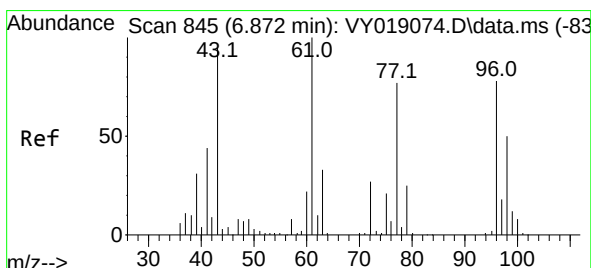
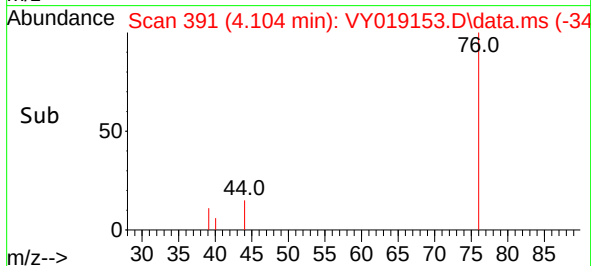
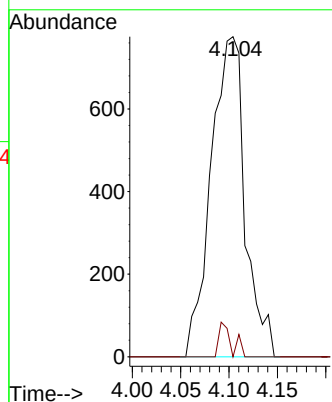


Tgt Ion: 76 Resp: 1890

Ion Ratio Lower Upper

76 100

78 0.0 6.8 10.2#



#25

2-Butanone

Concen: 16.799 ug/l

RT: 6.902 min Scan# 850

Delta R.T. 0.031 min

Lab File: VY019153.D

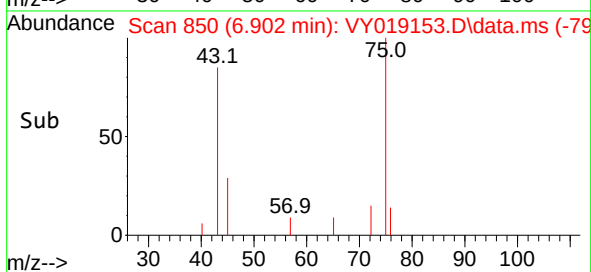
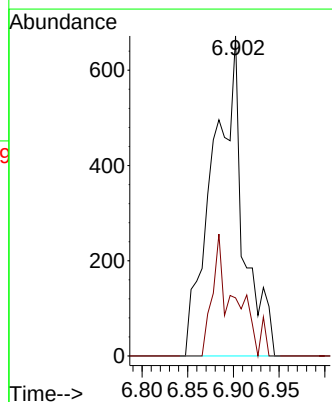
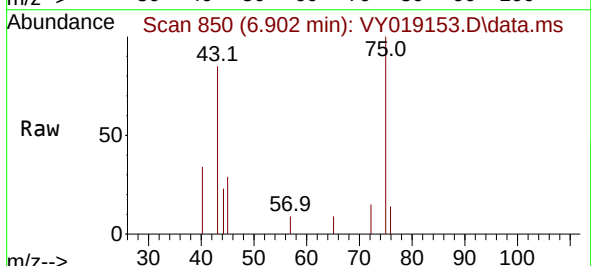
Acq: 20 Aug 2024 16:04

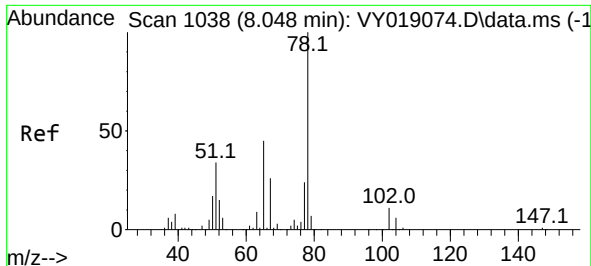
Tgt Ion: 43 Resp: 1560

Ion Ratio Lower Upper

43 100

72 18.2 27.3 40.9#





#33

1,2-Dichloroethane-d4

Concen: 28.843 ug/l

RT: 8.055 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY019153.D

Acq: 20 Aug 2024 16:04

Instrument :

MSVOA\_Y

ClientSampleId :

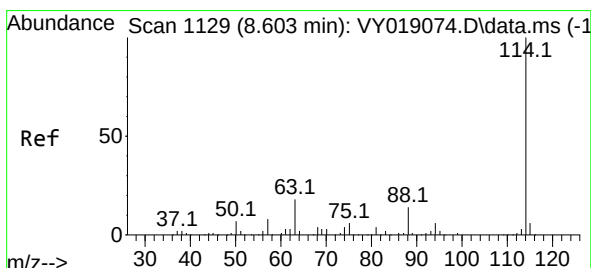
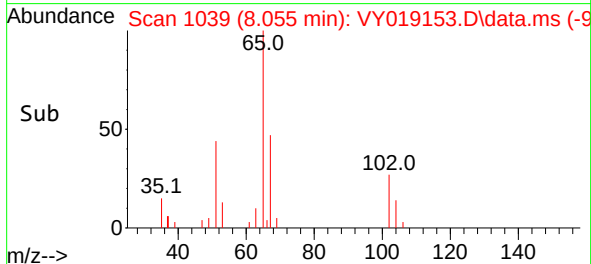
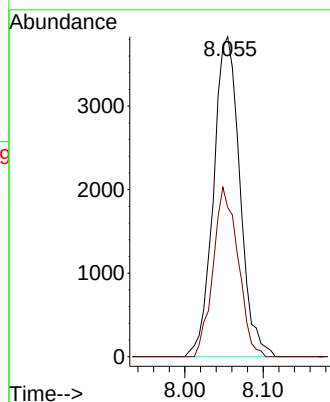
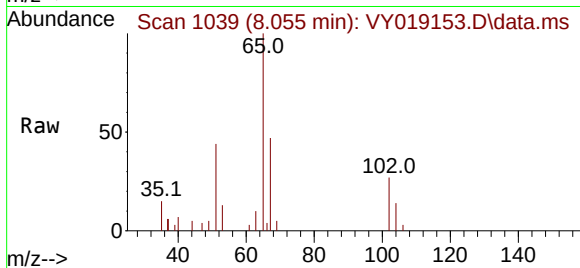
917-J-SD-0.5-1-081524

Tgt Ion: 65 Resp: 8968

Ion Ratio Lower Upper

65 100

67 49.9 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY019153.D

Acq: 20 Aug 2024 16:04

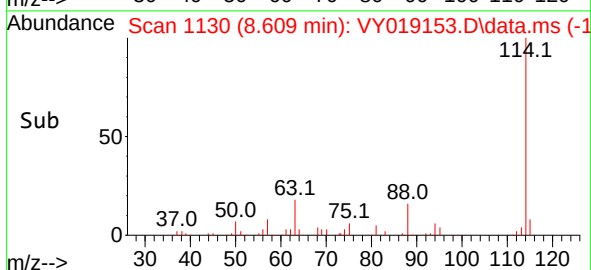
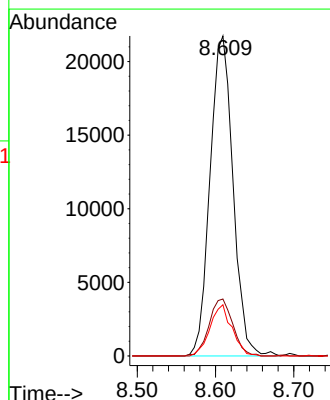
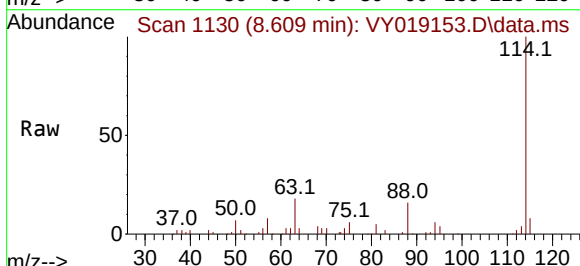
Tgt Ion: 114 Resp: 44329

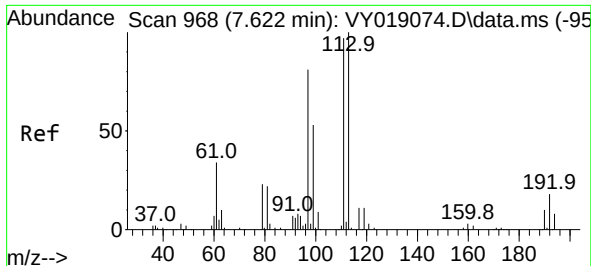
Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.0

88 16.0 0.0 27.2

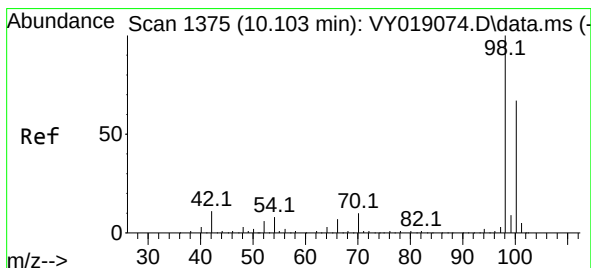
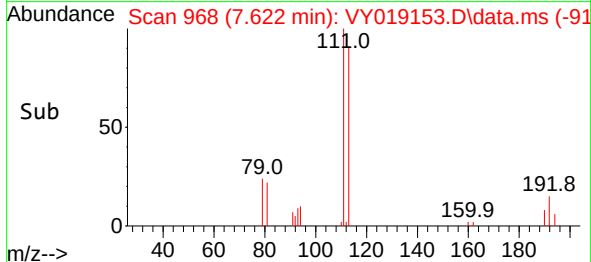
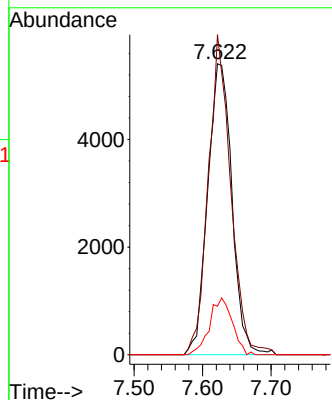
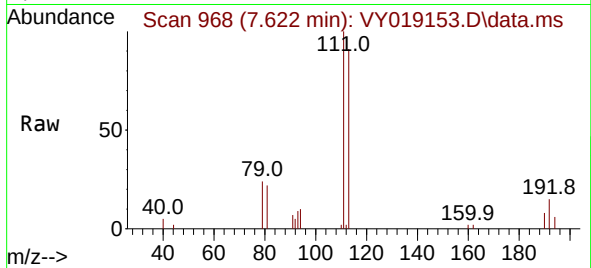




#35  
Dibromofluoromethane  
Concen: 45.910 ug/l  
RT: 7.622 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY019153.D  
Acq: 20 Aug 2024 16:04

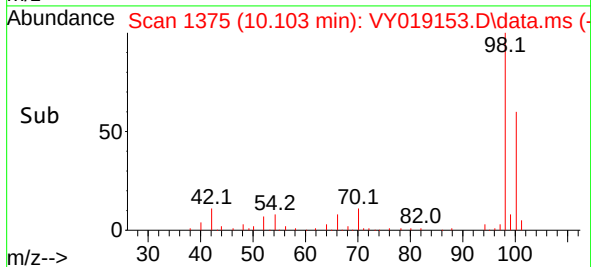
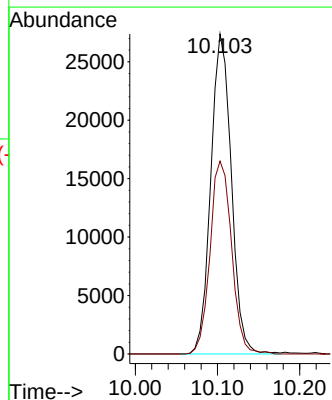
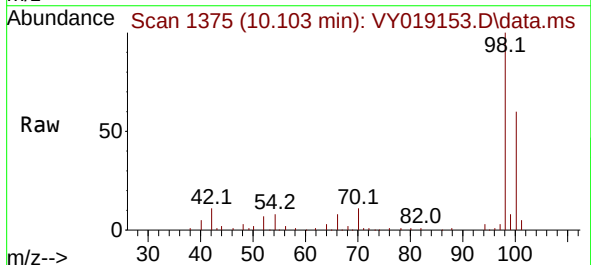
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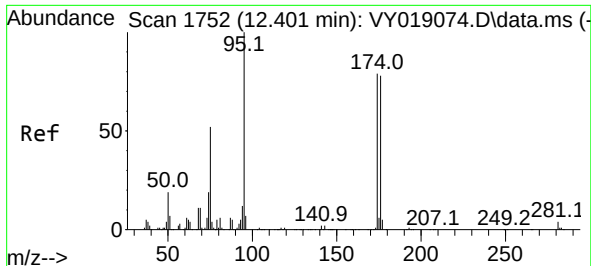
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 13307 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 102.0 | 82.2  | 123.4 |
| 192      | 18.4  | 15.9  | 23.9  |



#50  
Toluene-d8  
Concen: 45.500 ug/l  
RT: 10.103 min Scan# 1375  
Delta R.T. 0.000 min  
Lab File: VY019153.D  
Acq: 20 Aug 2024 16:04

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 98    | Resp: | 47460 |
| Ion      | Ratio | Lower | Upper |
| 98       | 100   |       |       |
| 100      | 63.3  | 52.0  | 78.0  |

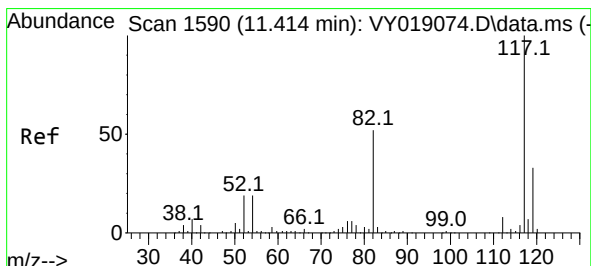
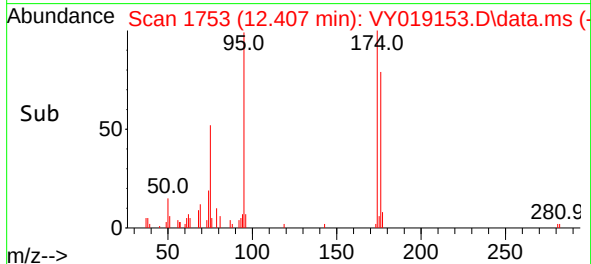
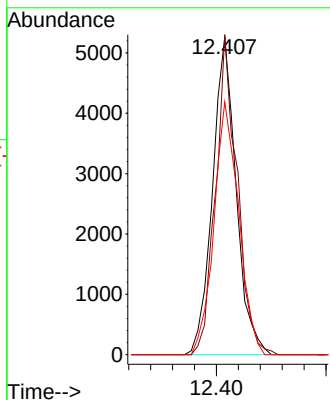
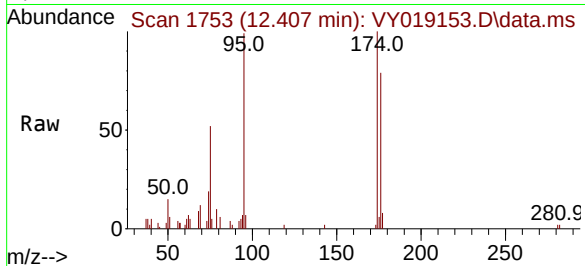




#62  
4-Bromofluorobenzene  
Concen: 22.124 ug/l  
RT: 12.407 min Scan# 1752  
Delta R.T. 0.006 min  
Lab File: VY019153.D  
Acq: 20 Aug 2024 16:04

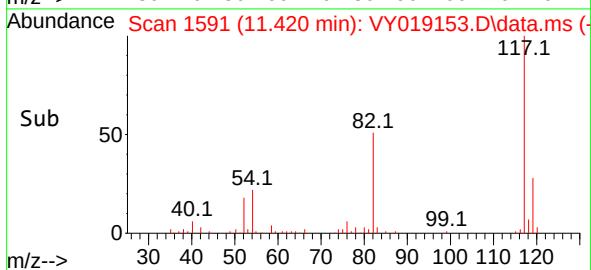
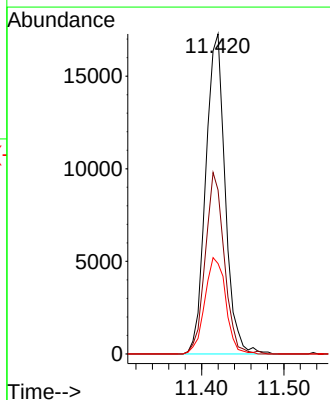
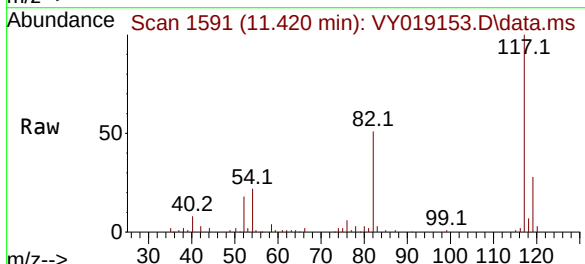
Instrument :  
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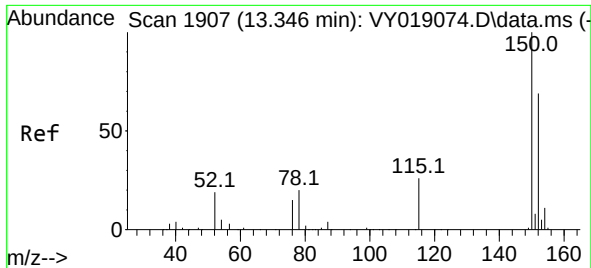
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 7867  |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 91.9  | 0.0   | 175.6 |
| 176      | 83.3  | 0.0   | 171.4 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.420 min Scan# 1591  
Delta R.T. 0.006 min  
Lab File: VY019153.D  
Acq: 20 Aug 2024 16:04

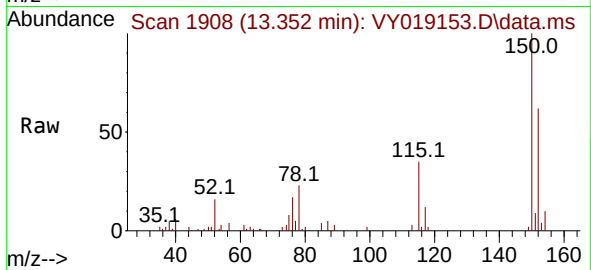
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 28459 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 51.3  | 42.4  | 63.6  |
| 119      | 28.3  | 25.9  | 38.9  |





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.352 min Scan# 1908  
 Delta R.T. 0.006 min  
 Lab File: VY019153.D  
 Acq: 20 Aug 2024 16:04

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
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Tgt Ion:152 Resp: 6721  
 Ion Ratio Lower Upper  
 152 100  
 115 53.3 28.2 84.7  
 150 157.1 0.0 345.6

