

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY091624\  
 Data File : VY019567.D  
 Acq On : 16 Sep 2024 15:29  
 Operator : SY/MD  
 Sample : P4002-07  
 Misc : 5.04g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-5

Quant Time: Sep 17 07:21:48 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y090924S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Sep 09 16:00:30 2024  
 Response via : Initial Calibration

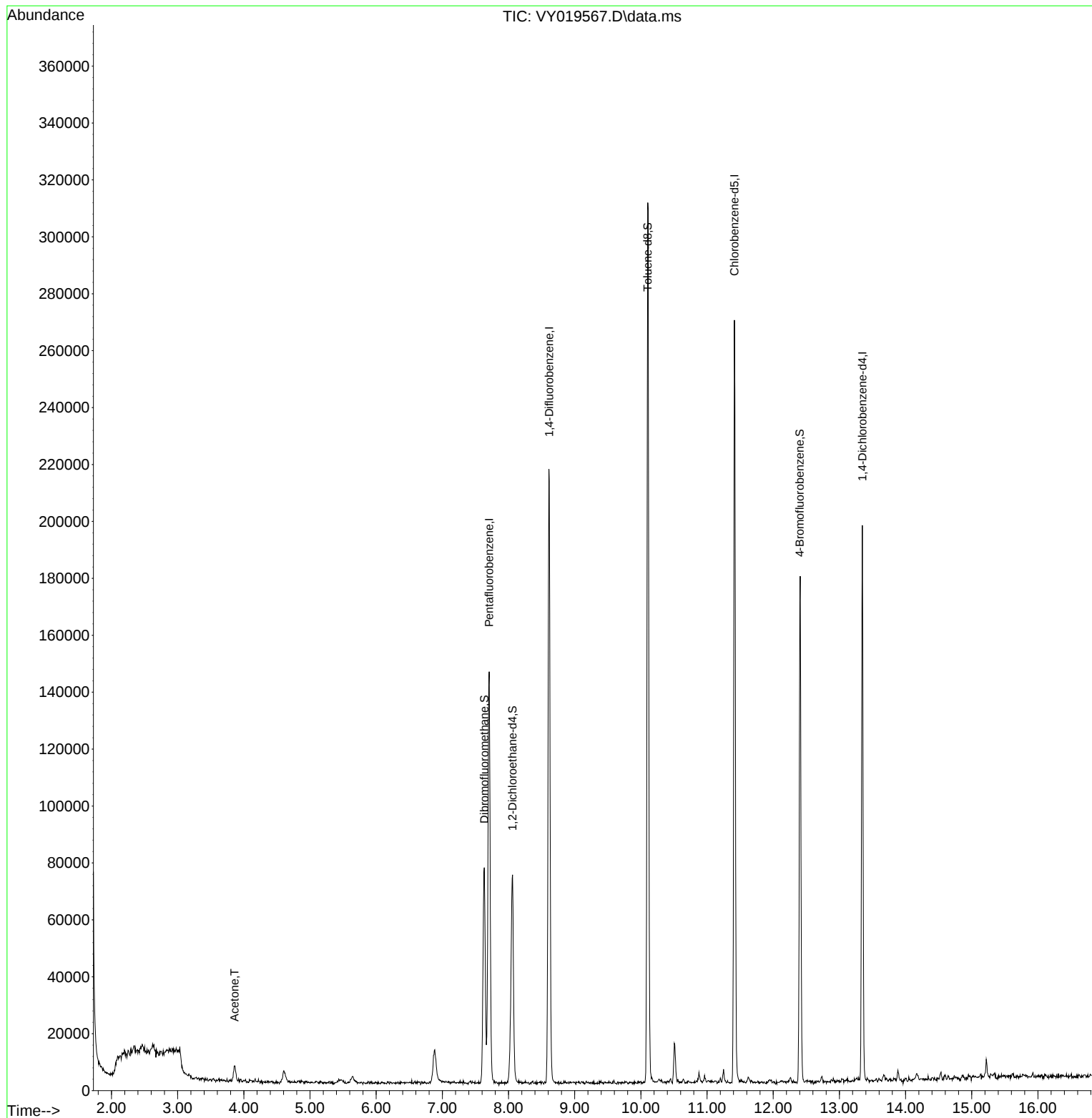
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.707  | 168   | 106682   | 50.000   | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene     | 8.616  | 114   | 182745   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.414 | 117   | 138882   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.347 | 152   | 46538    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 52312    | 52.955   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 105.920% |          |
| 35) Dibromofluoromethane    | 7.634  | 113   | 54694    | 52.787   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 105.580% |          |
| 50) Toluene-d8              | 10.103 | 98    | 206474   | 53.876   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 107.760% |          |
| 62) 4-Bromofluorobenzene    | 12.402 | 95    | 55842    | 37.895   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | = 75.800%  |          |
| Target Compounds            |        |       |          |          |            |          |
| 16) Acetone                 | 3.860  | 43    | 9327     | 39.632   | ug/l       | # 79     |
| -----                       |        |       |          |          |            |          |

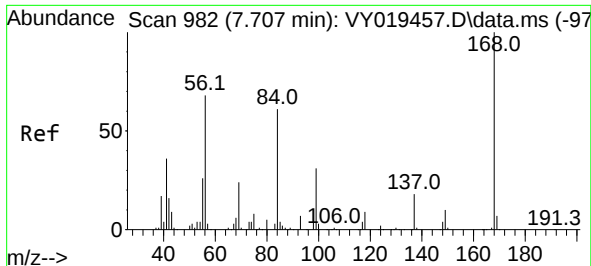
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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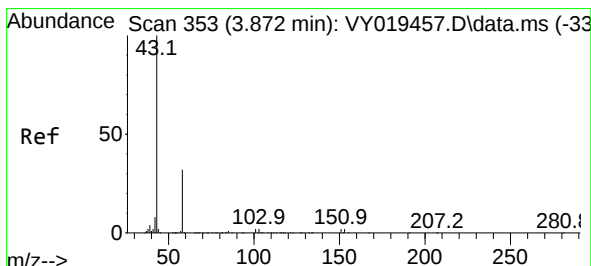
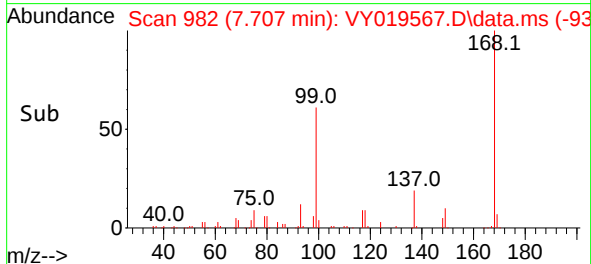
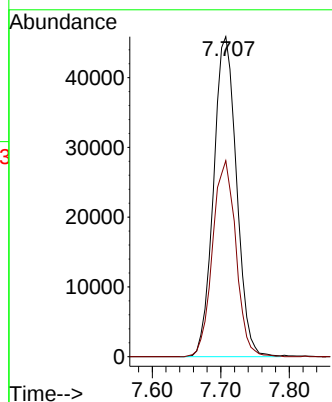
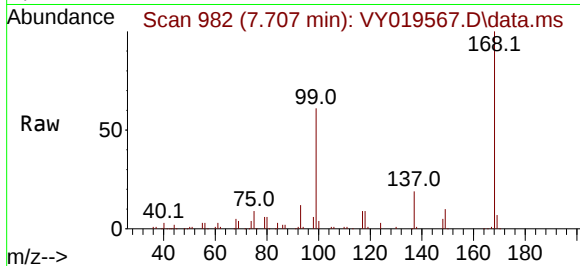




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY019567.D  
Acq: 16 Sep 2024 15:29

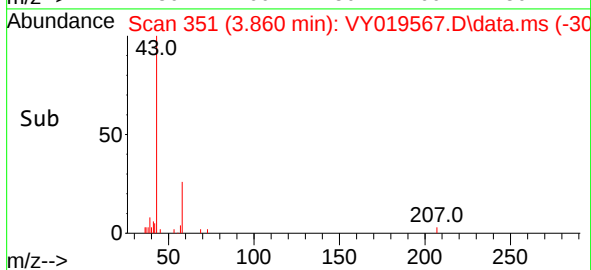
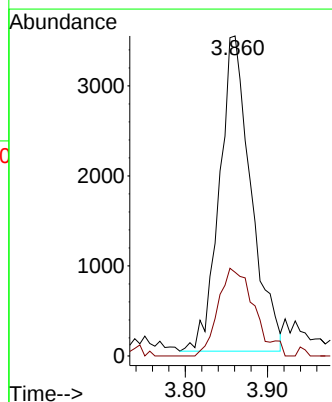
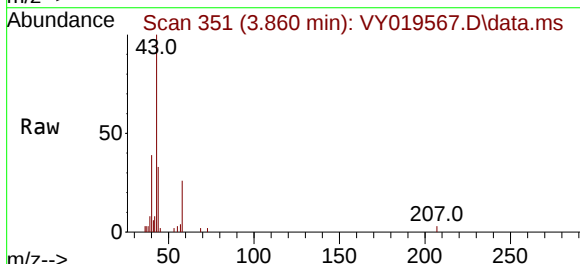
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-5

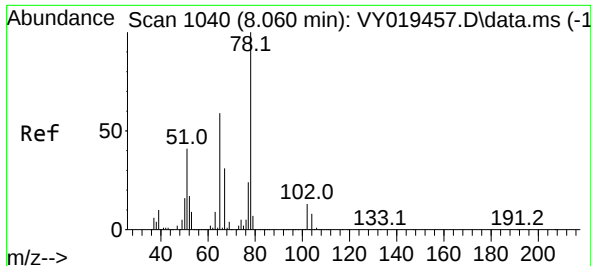
Tgt Ion:168 Resp: 106682  
Ion Ratio Lower Upper  
168 100  
99 61.2 39.1 58.7#



#16  
Acetone  
Concen: 39.632 ug/l  
RT: 3.860 min Scan# 351  
Delta R.T. -0.012 min  
Lab File: VY019567.D  
Acq: 16 Sep 2024 15:29

Tgt Ion: 43 Resp: 9327  
Ion Ratio Lower Upper  
43 100  
58 26.5 31.7 47.5#





#33

1,2-Dichloroethane-d4

Concen: 52.955 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY019567.D

Acq: 16 Sep 2024 15:29

Instrument :

MSVOA\_Y

ClientSampleId :

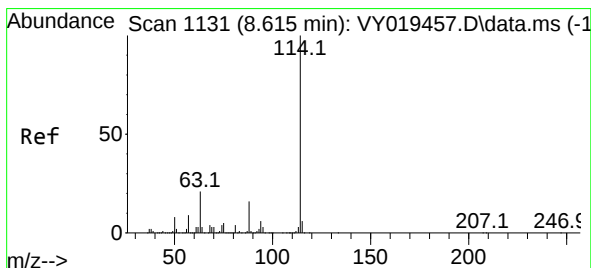
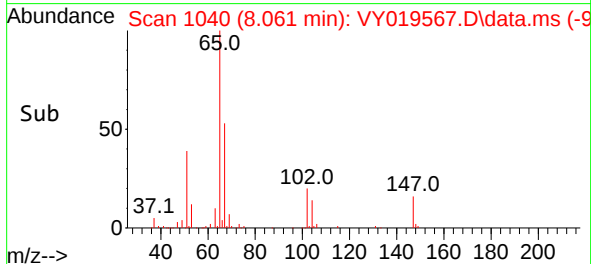
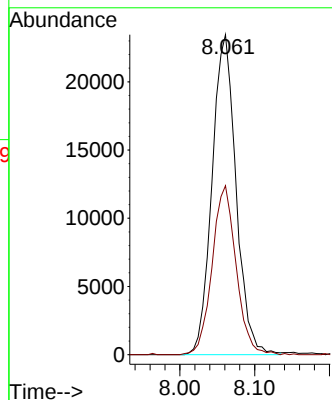
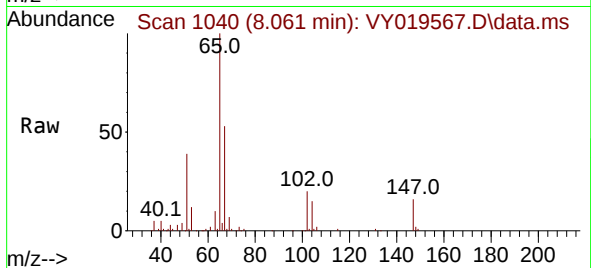
TP-5

Tgt Ion: 65 Resp: 52312

Ion Ratio Lower Upper

65 100

67 52.8 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019567.D

Acq: 16 Sep 2024 15:29

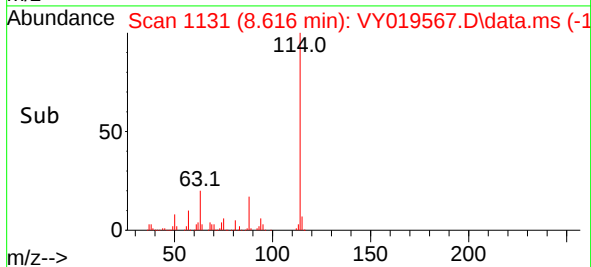
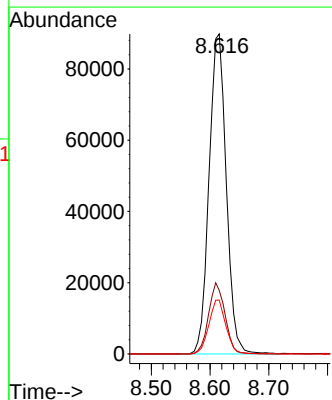
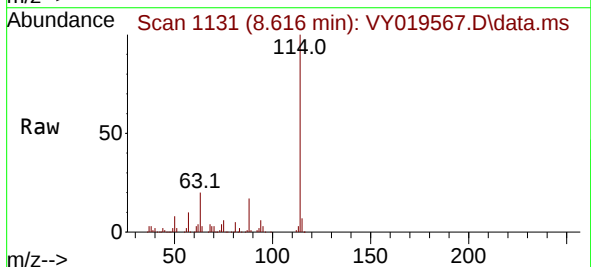
Tgt Ion: 114 Resp: 182745

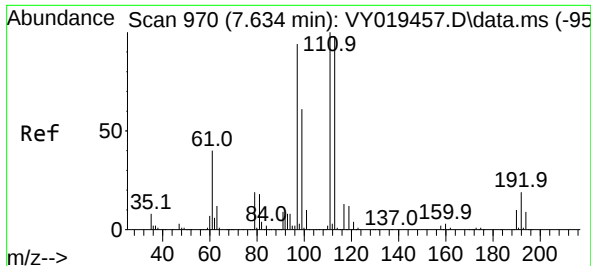
Ion Ratio Lower Upper

114 100

63 19.8 0.0 35.0

88 16.9 0.0 27.2





#35

Dibromofluoromethane

Concen: 52.787 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY019567.D

Acq: 16 Sep 2024 15:29

Instrument :

MSVOA\_Y

ClientSampleId :

TP-5

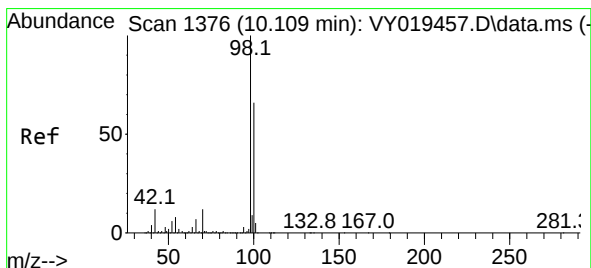
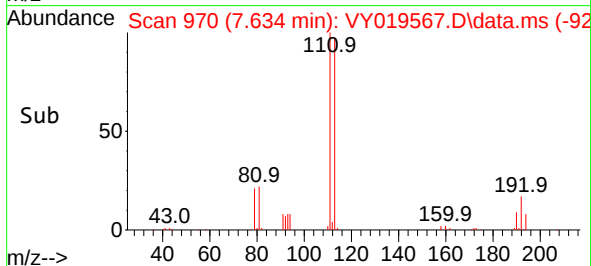
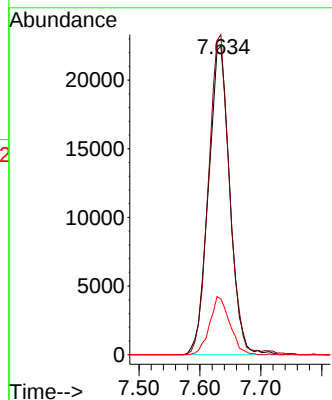
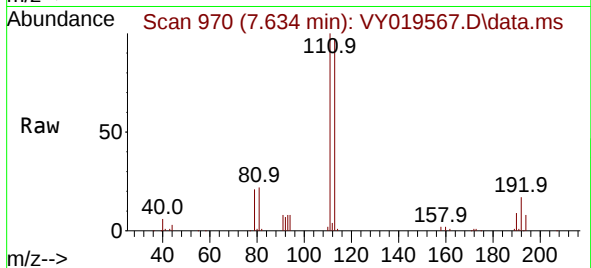
Tgt Ion:113 Resp: 54694

Ion Ratio Lower Upper

113 100

111 101.5 82.2 123.4

192 17.7 15.9 23.9



#50

Toluene-d8

Concen: 53.876 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY019567.D

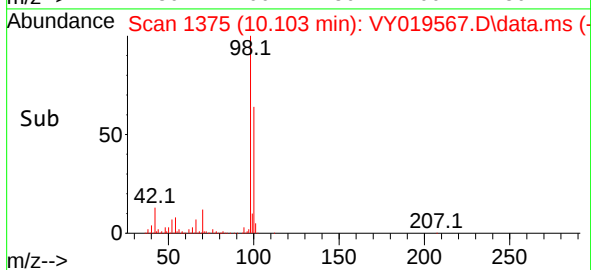
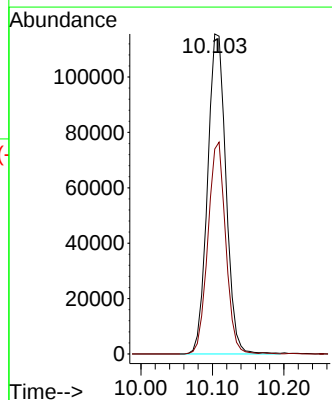
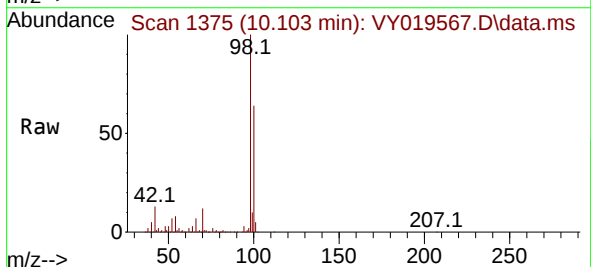
Acq: 16 Sep 2024 15:29

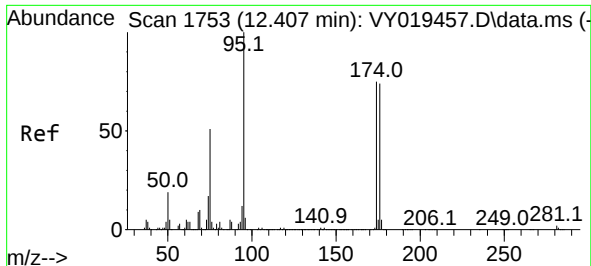
Tgt Ion: 98 Resp: 206474

Ion Ratio Lower Upper

98 100

100 63.8 52.0 78.0

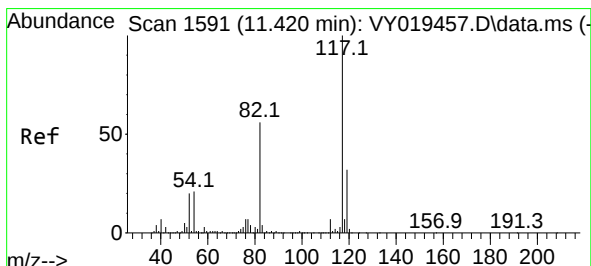
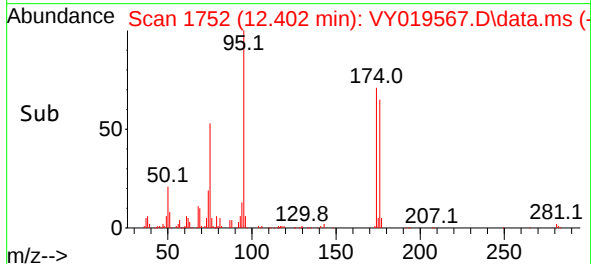
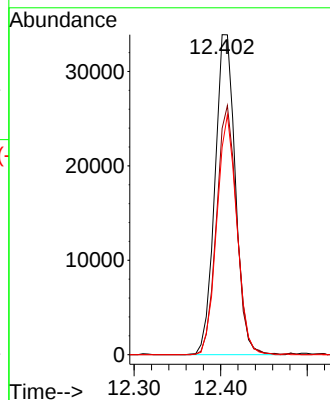
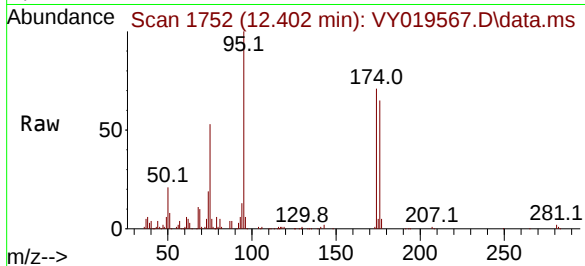




#62  
4-Bromofluorobenzene  
Concen: 37.895 ug/l  
RT: 12.402 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY019567.D  
Acq: 16 Sep 2024 15:29

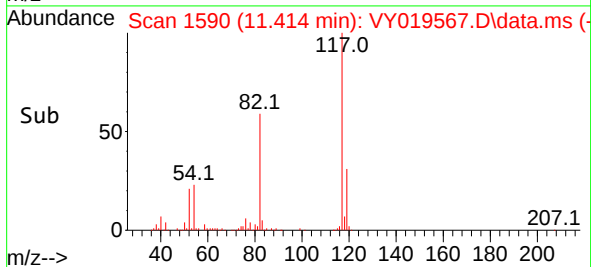
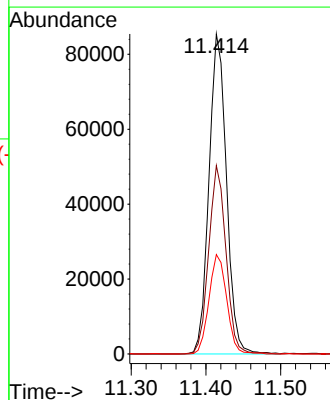
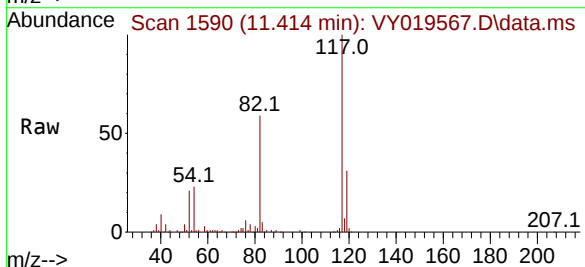
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-5

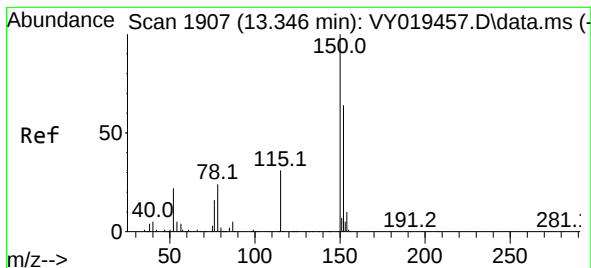
Tgt Ion: 95 Resp: 55842  
Ion Ratio Lower Upper  
95 100  
174 76.0 0.0 175.6  
176 73.0 0.0 171.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. -0.006 min  
Lab File: VY019567.D  
Acq: 16 Sep 2024 15:29

Tgt Ion: 117 Resp: 138882  
Ion Ratio Lower Upper  
117 100  
82 58.8 42.4 63.6  
119 31.1 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019567.D

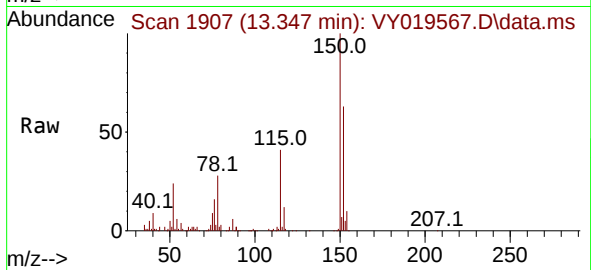
Acq: 16 Sep 2024 15:29

Instrument :

MSVOA\_Y

ClientSampleId :

TP-5



Tgt Ion:152 Resp: 46538

Ion Ratio Lower Upper

152 100

115 61.3 28.2 84.7

150 155.2 0.0 345.6

