

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY091324\  
 Data File : VY019550.D  
 Acq On : 13 Sep 2024 19:29  
 Operator : SY/MD  
 Sample : P3980-01  
 Misc : 5.09g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 HD-02-091224

Quant Time: Sep 13 23:37:32 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

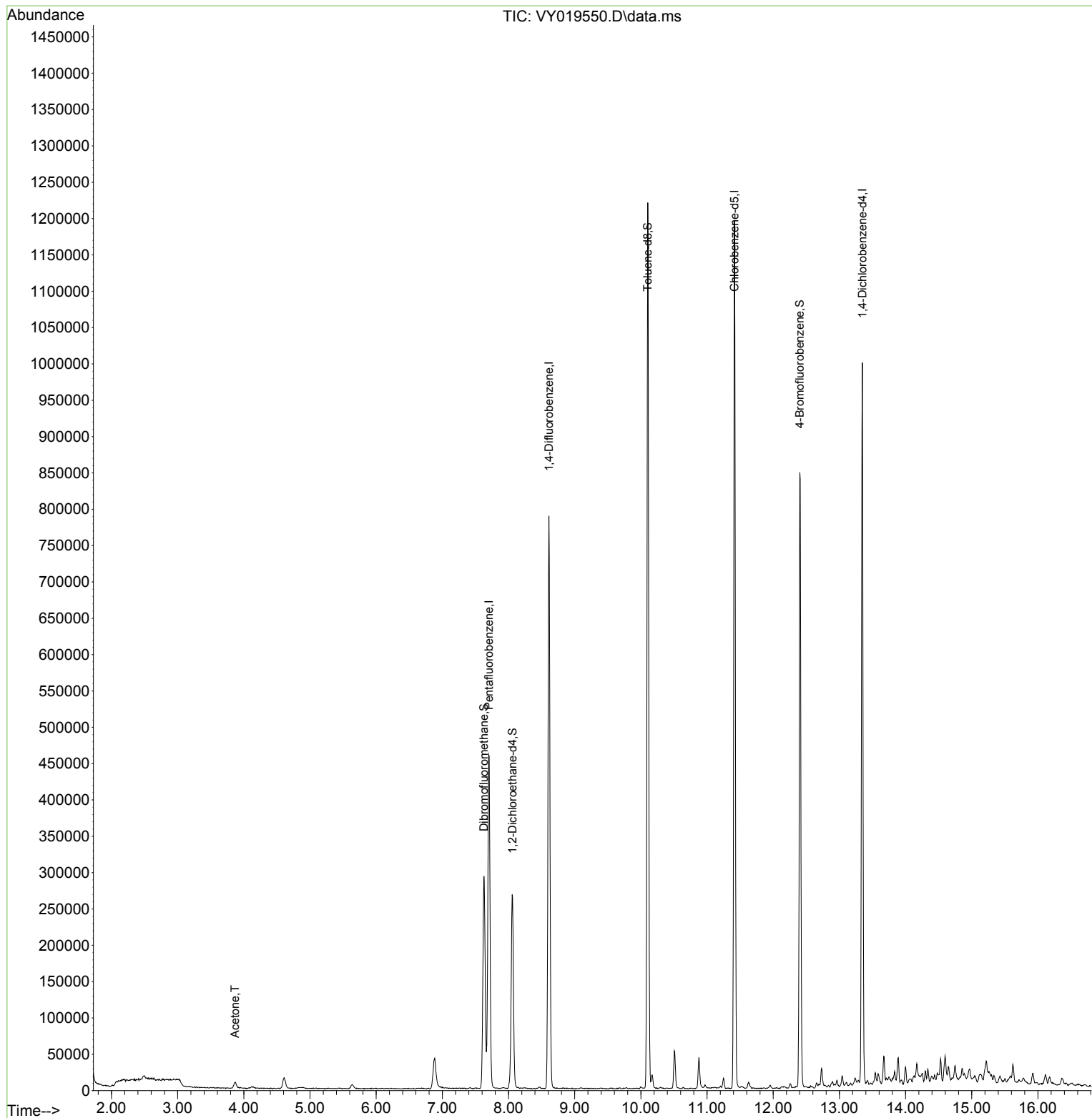
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.701  | 168   | 341607   | 50.000   | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene     | 8.610  | 114   | 654222   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.414 | 117   | 599765   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.346 | 152   | 238422   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 210990   | 66.701   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 133.400% |          |
| 35) Dibromofluoromethane    | 7.628  | 113   | 211062   | 56.900   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 113.800% |          |
| 50) Toluene-d8              | 10.103 | 98    | 785044   | 57.219   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 114.440% |          |
| 62) 4-Bromofluorobenzene    | 12.402 | 95    | 268216   | 50.843   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | = 101.680% |          |
| Target Compounds            |        |       |          |          |            |          |
| 16) Acetone                 | 3.866  | 43    | 16059    | 21.310   | ug/l       | # 78     |
| -----                       |        |       |          |          |            |          |

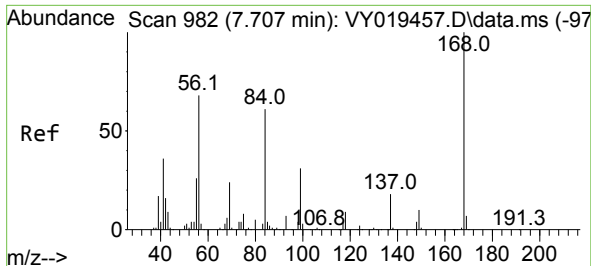
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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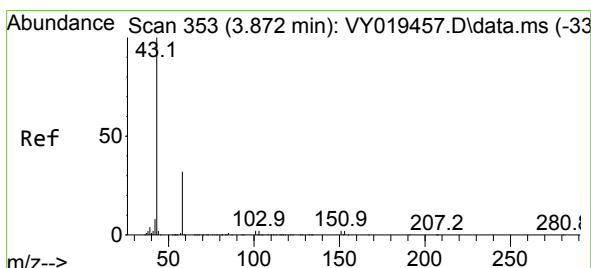
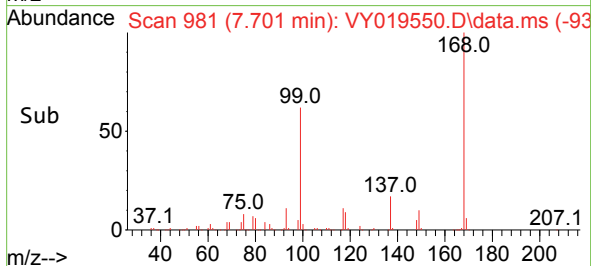
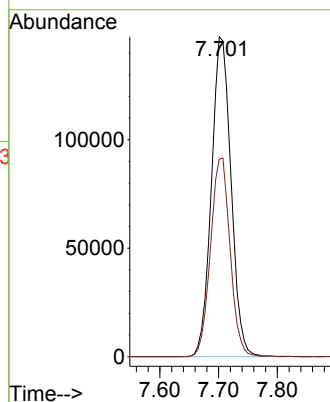
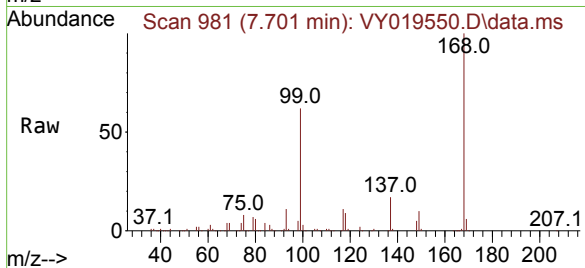




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.701 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY019550.D  
Acq: 13 Sep 2024 19:29

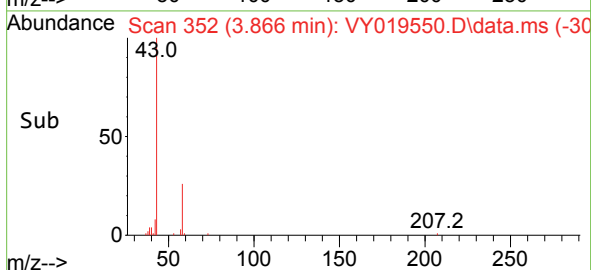
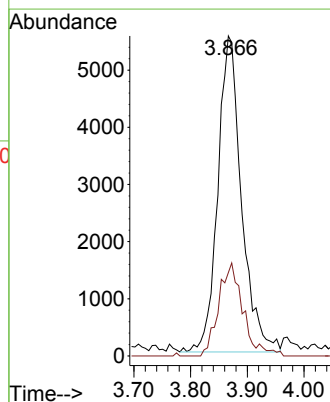
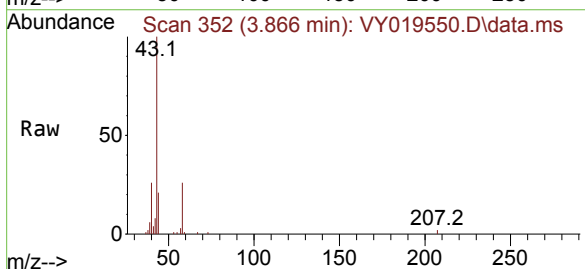
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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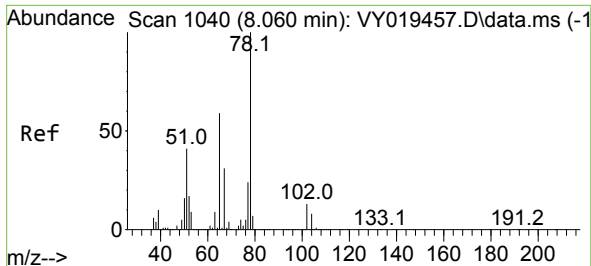
Tgt Ion:168 Resp: 341607  
Ion Ratio Lower Upper  
168 100  
99 61.7 39.1 58.7#



#16  
Acetone  
Concen: 21.310 ug/l  
RT: 3.866 min Scan# 352  
Delta R.T. -0.006 min  
Lab File: VY019550.D  
Acq: 13 Sep 2024 19:29

Tgt Ion: 43 Resp: 16059  
Ion Ratio Lower Upper  
43 100  
58 26.4 31.7 47.5#





#33

1,2-Dichloroethane-d4

Concen: 66.701 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY019550.D

Acq: 13 Sep 2024 19:29

Instrument :

MSVOA\_Y

ClientSampleId :

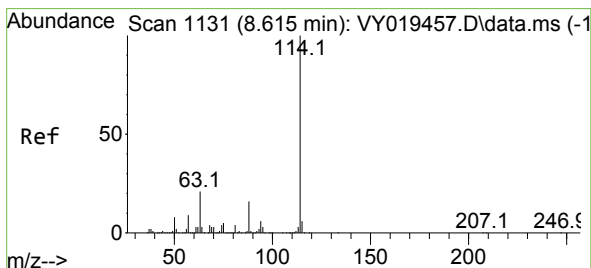
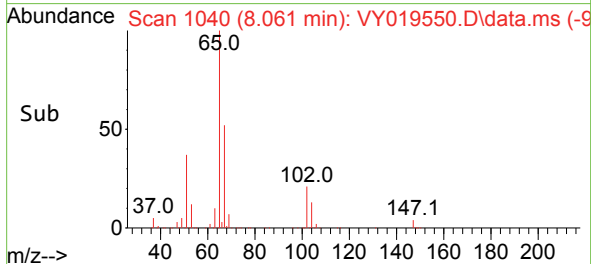
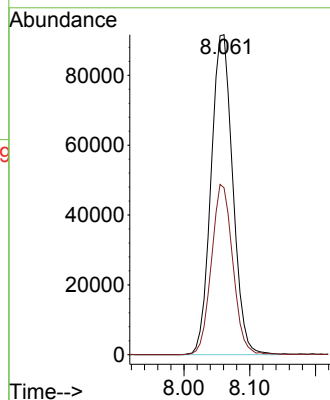
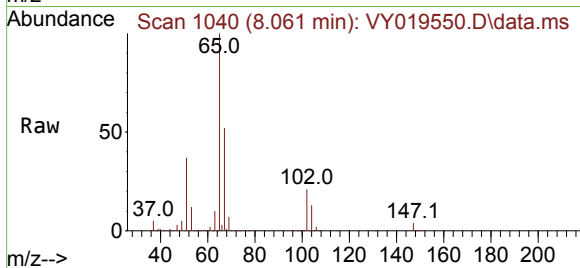
HD-02-091224

Tgt Ion: 65 Resp: 210990

Ion Ratio Lower Upper

65 100

67 52.4 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY019550.D

Acq: 13 Sep 2024 19:29

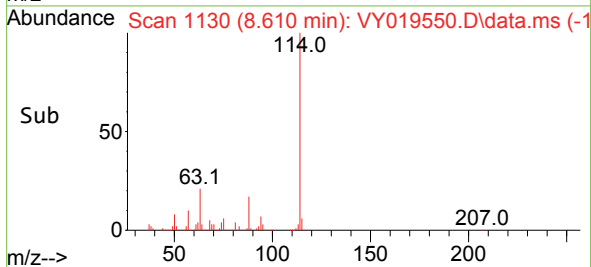
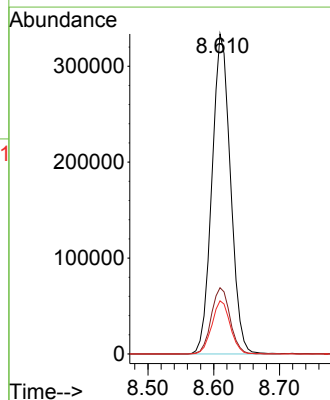
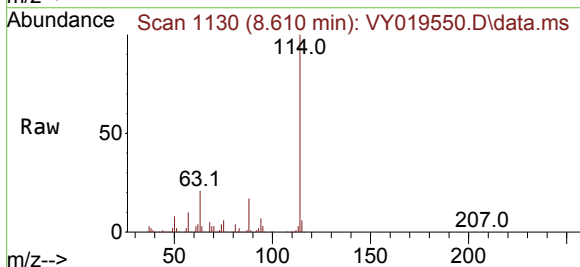
Tgt Ion: 114 Resp: 654222

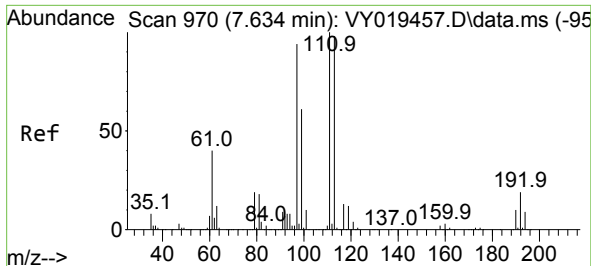
Ion Ratio Lower Upper

114 100

63 20.7 0.0 35.0

88 16.6 0.0 27.2

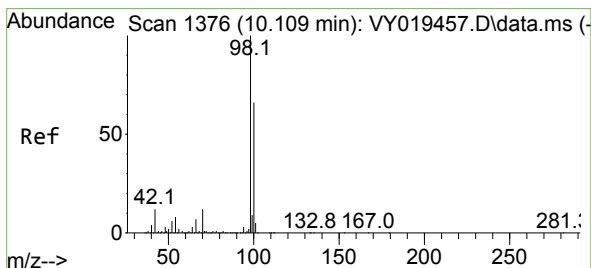
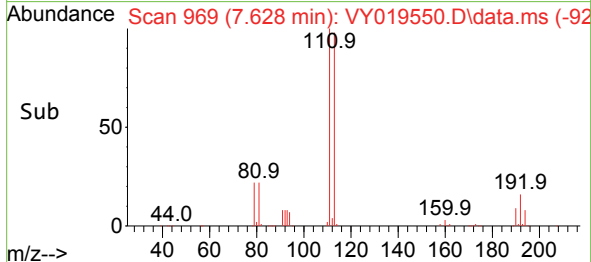
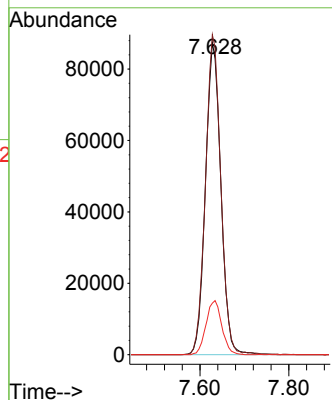
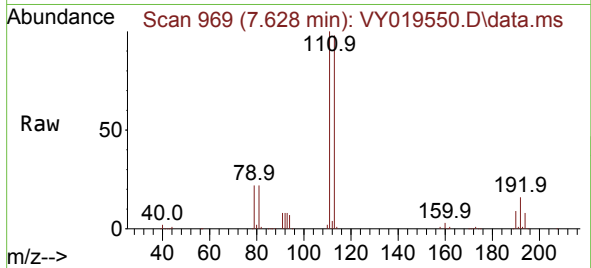




#35  
Dibromofluoromethane  
Concen: 56.900 ug/l  
RT: 7.628 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY019550.D  
Acq: 13 Sep 2024 19:29

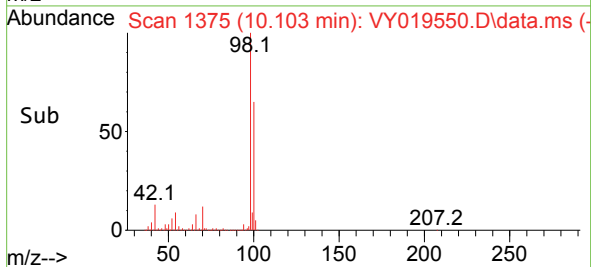
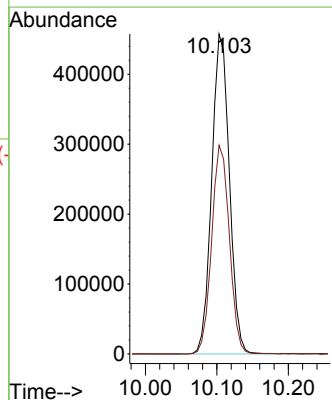
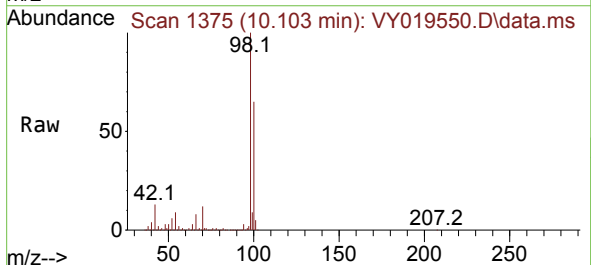
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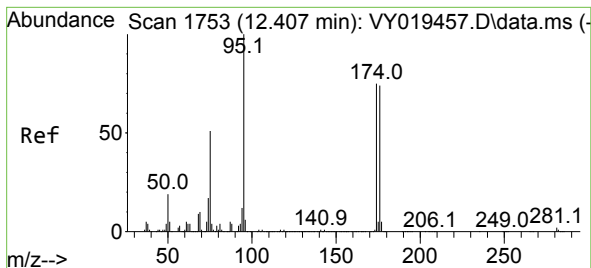
Tgt Ion:113 Resp: 211062  
Ion Ratio Lower Upper  
113 100  
111 102.2 82.2 123.4  
192 17.8 15.9 23.9



#50  
Toluene-d8  
Concen: 57.219 ug/l  
RT: 10.103 min Scan# 1375  
Delta R.T. -0.006 min  
Lab File: VY019550.D  
Acq: 13 Sep 2024 19:29

Tgt Ion: 98 Resp: 785044  
Ion Ratio Lower Upper  
98 100  
100 65.4 52.0 78.0

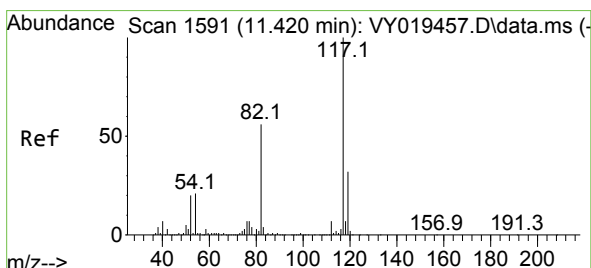
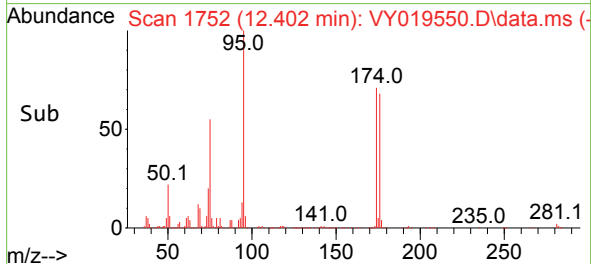
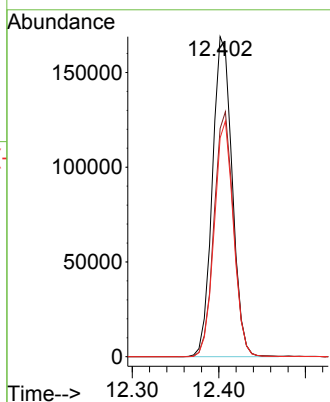
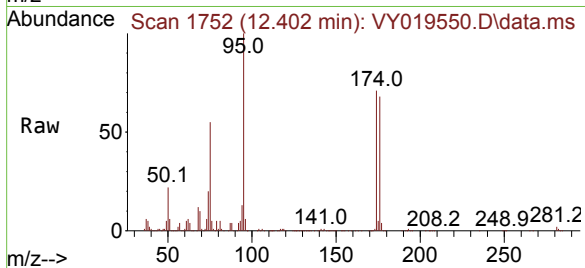




#62  
4-Bromofluorobenzene  
Concen: 50.843 ug/l  
RT: 12.402 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY019550.D  
Acq: 13 Sep 2024 19:29

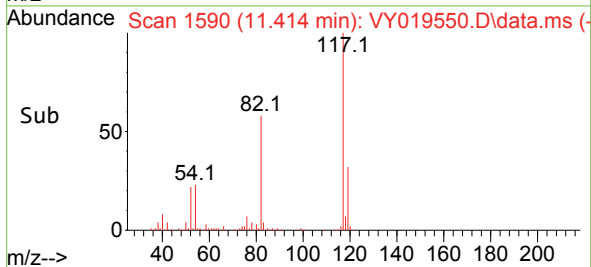
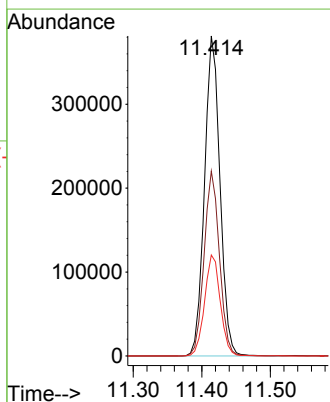
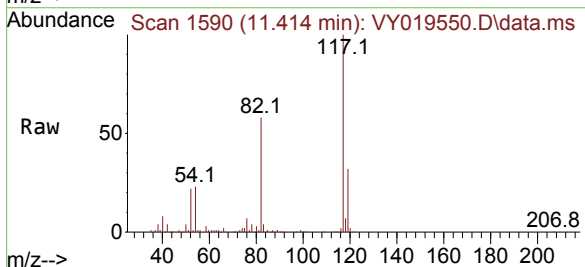
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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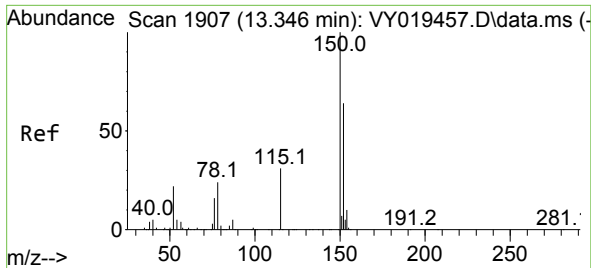
Tgt Ion: 95 Resp: 268216  
Ion Ratio Lower Upper  
95 100  
174 75.4 0.0 175.6  
176 71.9 0.0 171.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. -0.006 min  
Lab File: VY019550.D  
Acq: 13 Sep 2024 19:29

Tgt Ion: 117 Resp: 599765  
Ion Ratio Lower Upper  
117 100  
82 57.8 42.4 63.6  
119 31.5 25.9 38.9





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.346 min Scan# 1907  
 Delta R.T. 0.000 min  
 Lab File: VY019550.D  
 Acq: 13 Sep 2024 19:29

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
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Tgt Ion:152 Resp: 238422  
 Ion Ratio Lower Upper  
 152 100  
 115 60.8 28.2 84.7  
 150 157.8 0.0 345.6

