

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY091324\  
 Data File : VY019552.D  
 Acq On : 13 Sep 2024 20:16  
 Operator : SY/MD  
 Sample : P3989-02  
 Misc : 3.26g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-2-VOC

Quant Time: Sep 13 23:38:18 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  | 331709   | 50.000 | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene    | 8.610  | 114  | 639786   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 563184   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.347 | 152  | 202930   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.055  | 65    | 202460   | 65.915   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 131.820% |
| 35) Dibromofluoromethane    | 7.628  | 113   | 204357   | 56.336   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 112.680% |
| 50) Toluene-d8              | 10.103 | 98    | 766126   | 57.100   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 114.200% |
| 62) 4-Bromofluorobenzene    | 12.402 | 95    | 238972   | 46.321   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =    | 92.640%  |

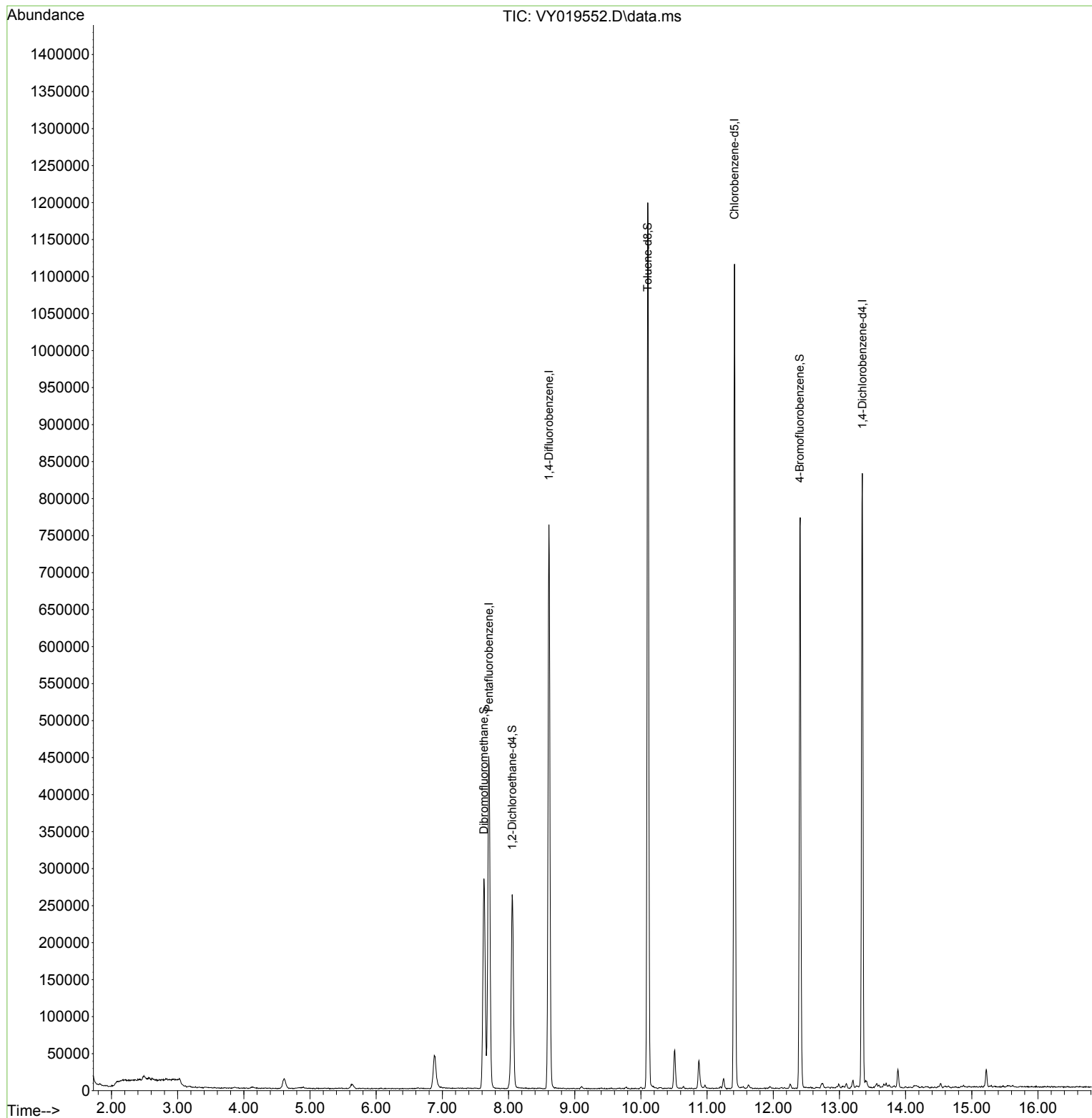
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

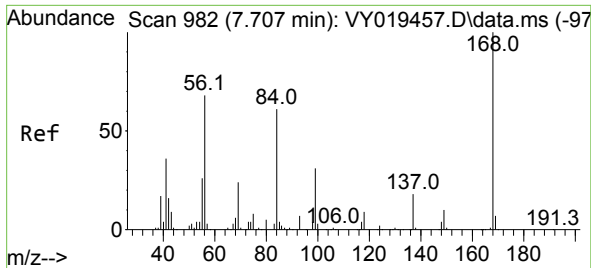
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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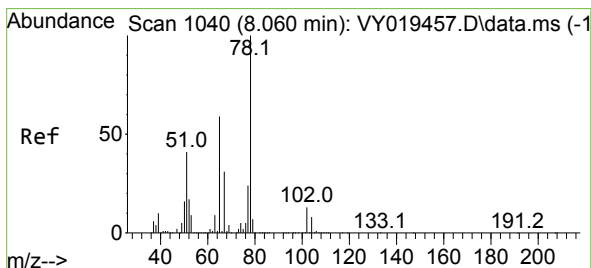
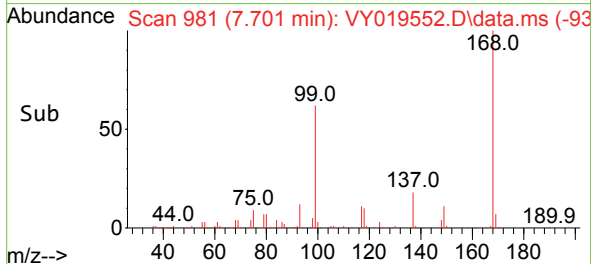
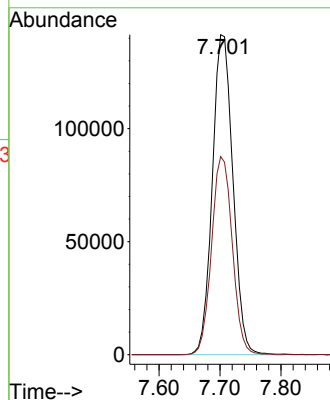
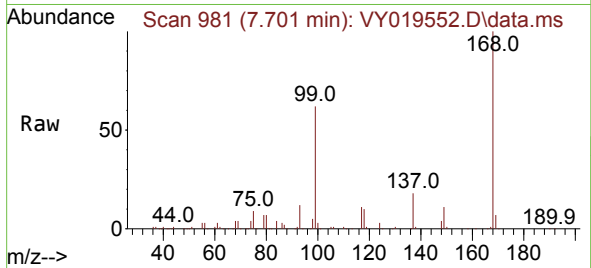




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.701 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY019552.D  
Acq: 13 Sep 2024 20:16

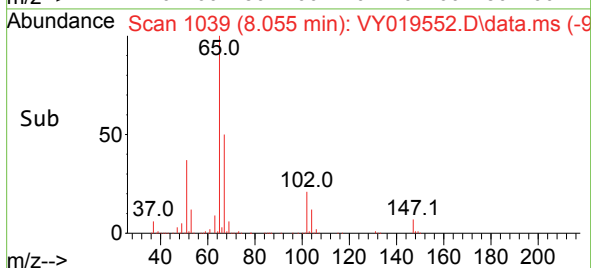
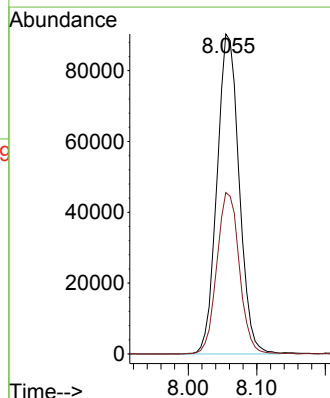
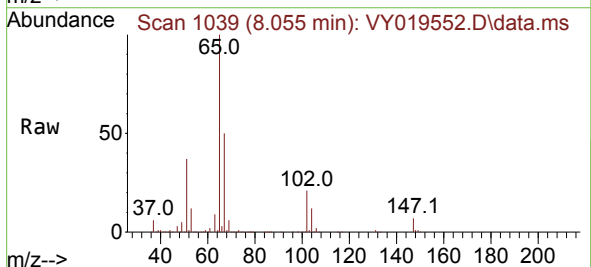
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-2-VOC

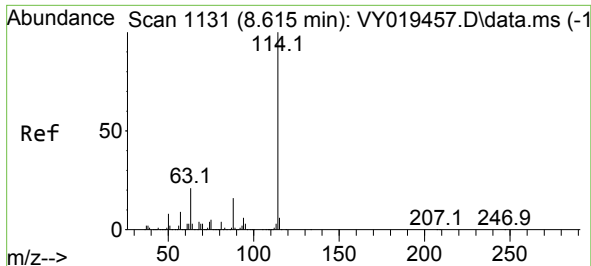
Tgt Ion:168 Resp: 331709  
Ion Ratio Lower Upper  
168 100  
99 61.9 39.1 58.7#



#33  
1,2-Dichloroethane-d4  
Concen: 65.915 ug/l  
RT: 8.055 min Scan# 1039  
Delta R.T. -0.006 min  
Lab File: VY019552.D  
Acq: 13 Sep 2024 20:16

Tgt Ion: 65 Resp: 202460  
Ion Ratio Lower Upper  
65 100  
67 51.4 0.0 109.6

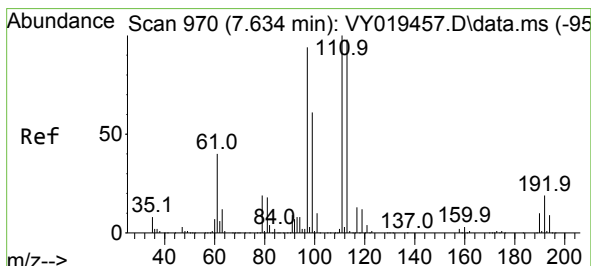
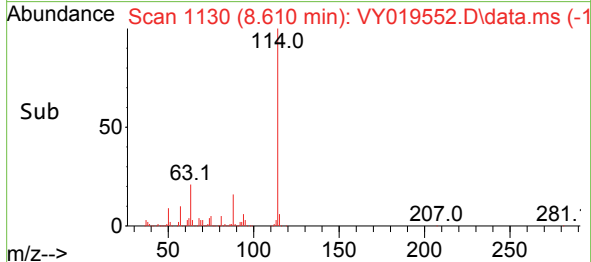
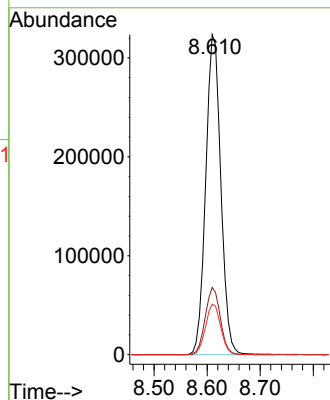
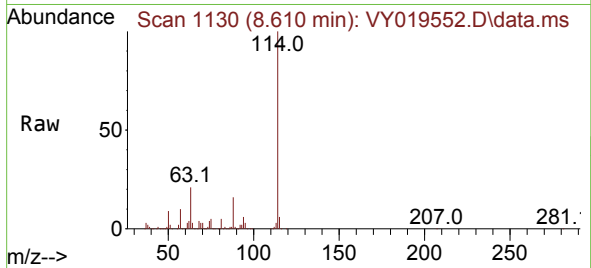




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.610 min Scan# 1131  
Delta R.T. -0.006 min  
Lab File: VY019552.D  
Acq: 13 Sep 2024 20:16

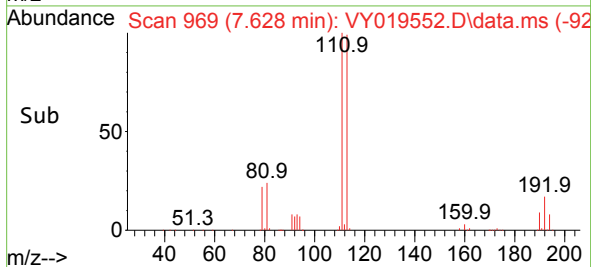
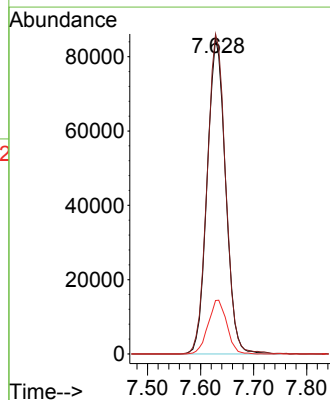
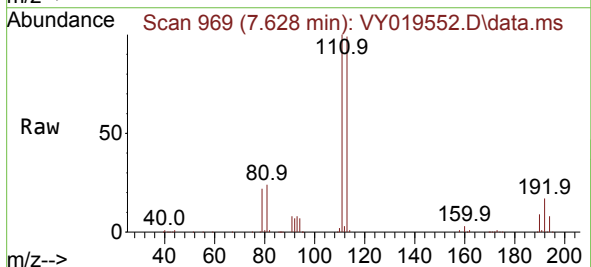
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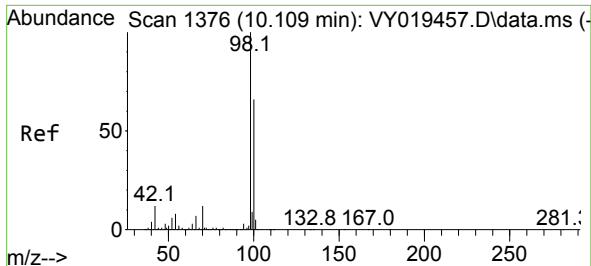
Tgt Ion:114 Resp: 639786  
Ion Ratio Lower Upper  
114 100  
63 21.0 0.0 35.0  
88 15.8 0.0 27.2



#35  
Dibromofluoromethane  
Concen: 56.336 ug/l  
RT: 7.628 min Scan# 969  
Delta R.T. -0.006 min  
Lab File: VY019552.D  
Acq: 13 Sep 2024 20:16

Tgt Ion:113 Resp: 204357  
Ion Ratio Lower Upper  
113 100  
111 102.4 82.2 123.4  
192 17.3 15.9 23.9

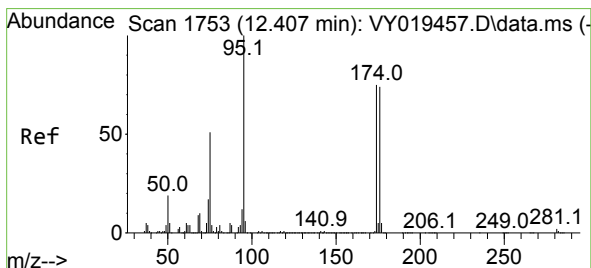
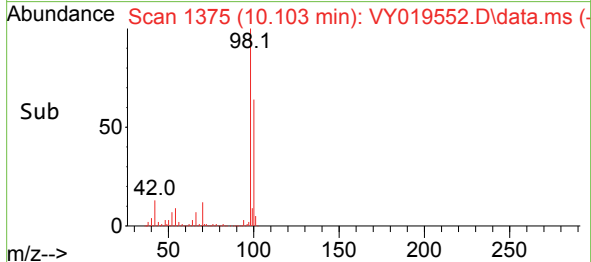
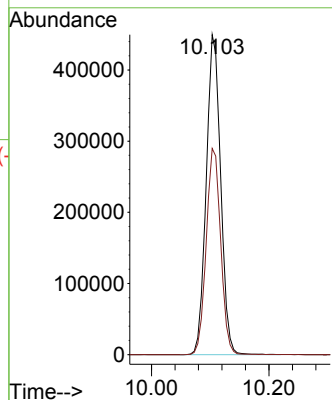
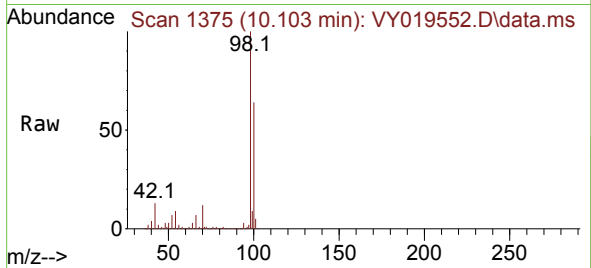




#50  
Toluene-d8  
Concen: 57.100 ug/l  
RT: 10.103 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY019552.D  
Acq: 13 Sep 2024 20:16

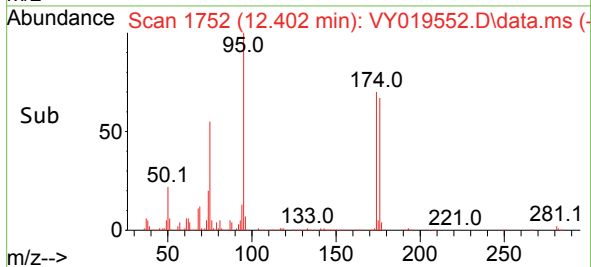
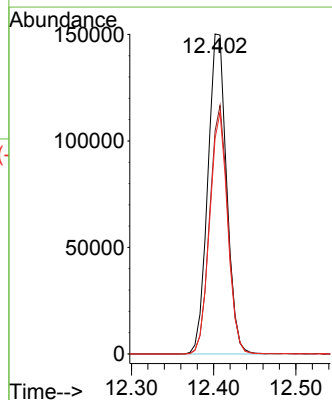
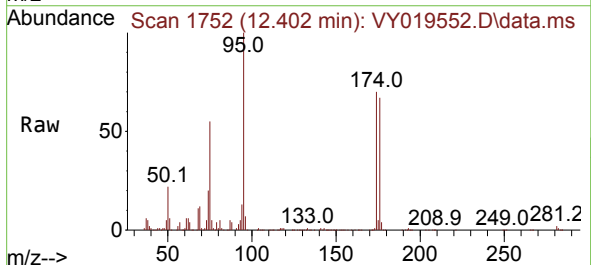
Instrument :  
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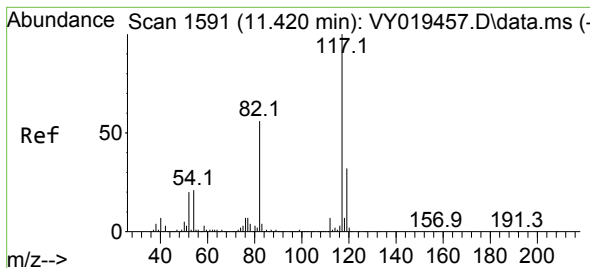
Tgt Ion: 98 Resp: 766126  
Ion Ratio Lower Upper  
98 100  
100 64.5 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 46.321 ug/l  
RT: 12.402 min Scan# 1752  
Delta R.T. -0.006 min  
Lab File: VY019552.D  
Acq: 13 Sep 2024 20:16

Tgt Ion: 95 Resp: 238972  
Ion Ratio Lower Upper  
95 100  
174 75.0 0.0 175.6  
176 72.1 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019552.D

Acq: 13 Sep 2024 20:16

Instrument :

MSVOA\_Y

ClientSampleId :

TP-2-VOC

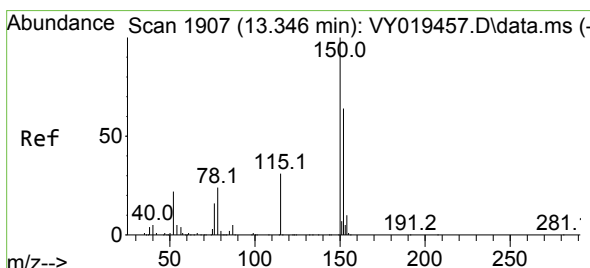
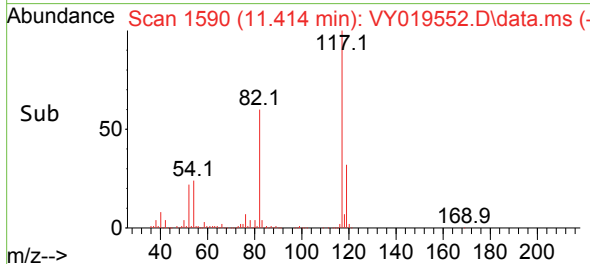
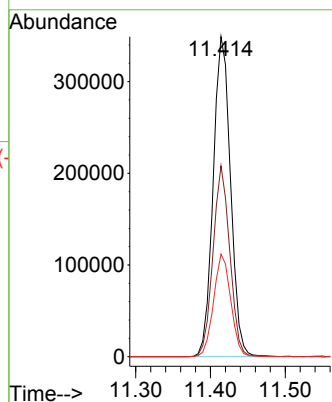
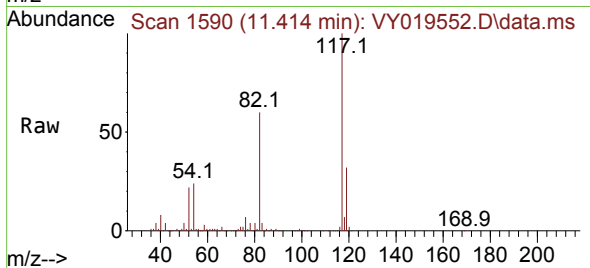
Tgt Ion:117 Resp: 563184

Ion Ratio Lower Upper

117 100

82 59.6 42.4 63.6

119 32.1 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: VY019552.D

Acq: 13 Sep 2024 20:16

Tgt Ion:152 Resp: 202930

Ion Ratio Lower Upper

152 100

115 61.2 28.2 84.7

150 156.1 0.0 345.6

