

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061825\  
 Data File : VY022733.D  
 Acq On : 18 Jun 2025 12:16  
 Operator : SY/MD  
 Sample : Q2337-01RE  
 Misc : 5.03g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 OR-02-061625RE

Quant Time: Jun 19 03:59:35 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060225S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 10 15:26:14 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.707  | 168  | 69486    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.615  | 114  | 127588   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 103900   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 36902    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 41272    | 53.106   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 106.220% |
| 35) Dibromofluoromethane    | 7.640  | 113   | 41238    | 54.150   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 108.300% |
| 50) Toluene-d8              | 10.109 | 98    | 152751   | 49.641   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 99.280%  |
| 62) 4-Bromofluorobenzene    | 12.401 | 95    | 37452    | 40.849   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 81.700%  |

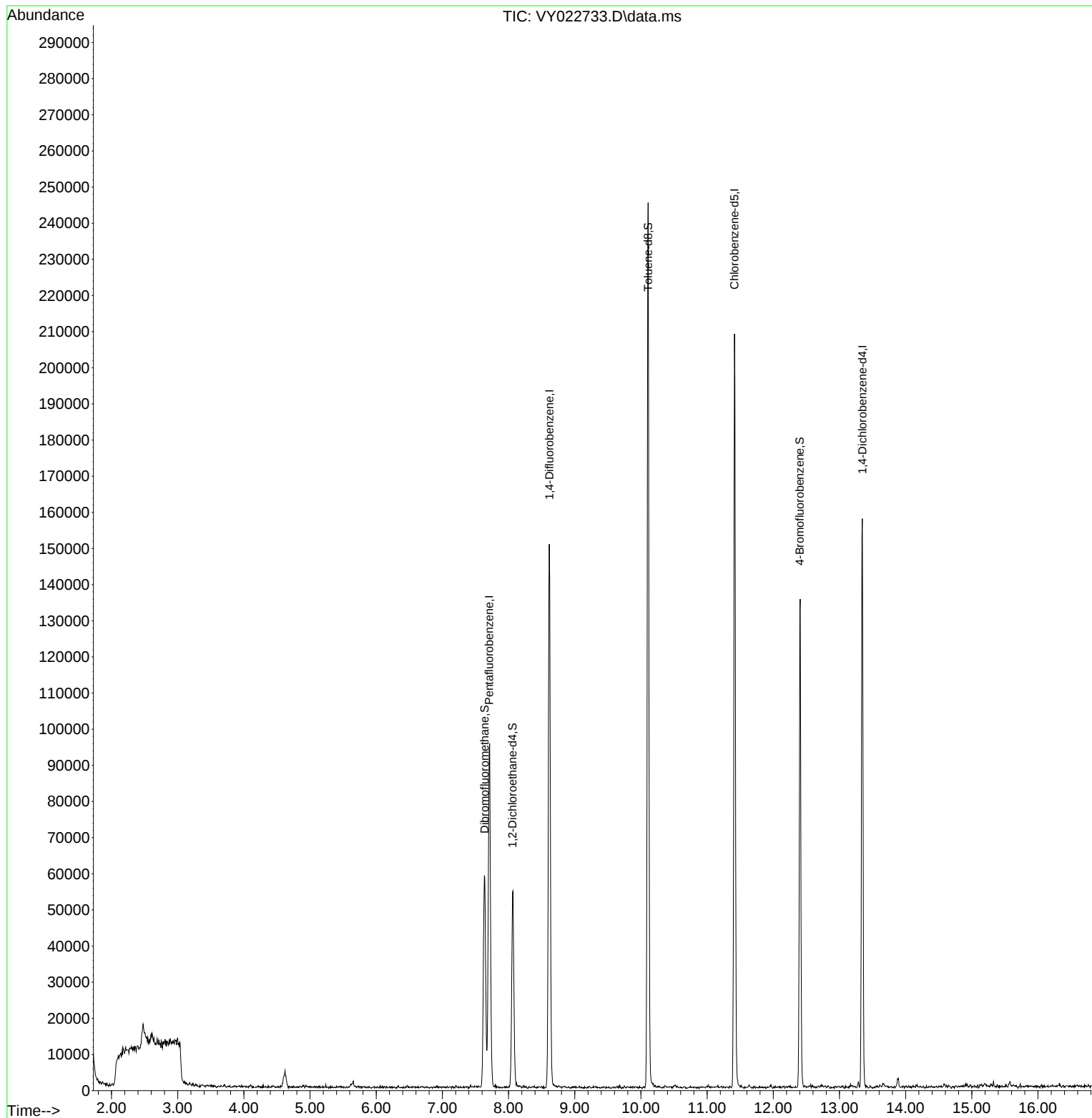
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

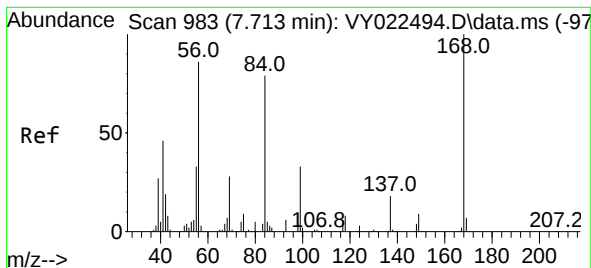
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Jun 10 15:26:14 2025  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY022733.D

Acq: 18 Jun 2025 12:16

Instrument :

MSVOA\_Y

ClientSampleId :

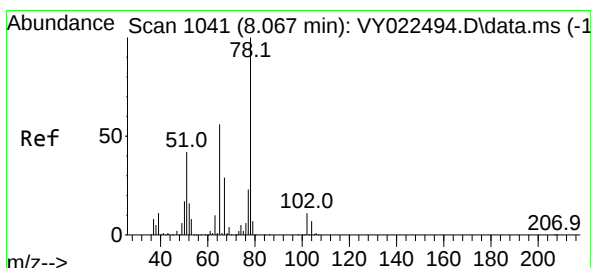
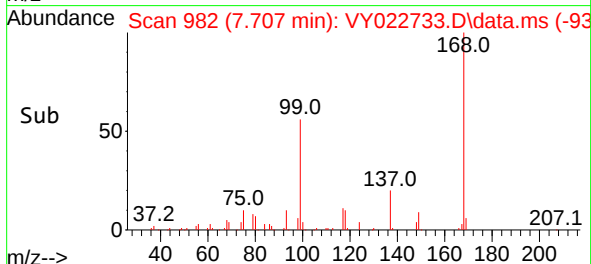
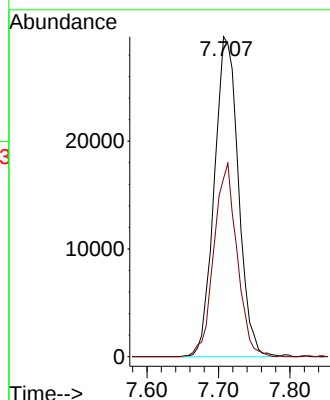
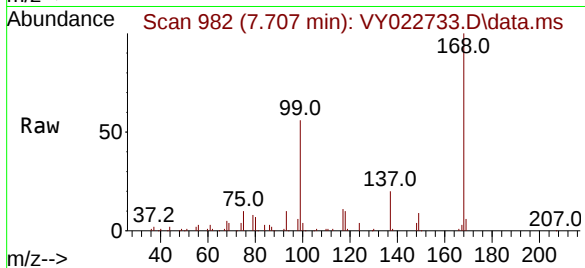
OR-02-061625RE

Tgt Ion:168 Resp: 69486

Ion Ratio Lower Upper

168 100

99 55.7 44.3 66.5



#33

1,2-Dichloroethane-d4

Concen: 53.106 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VY022733.D

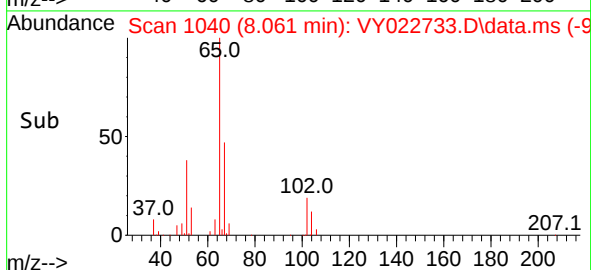
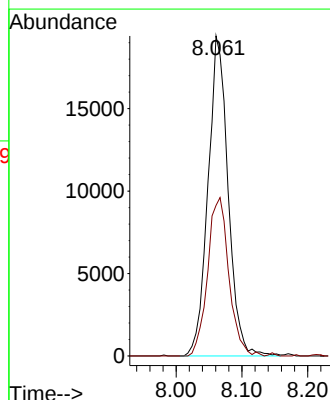
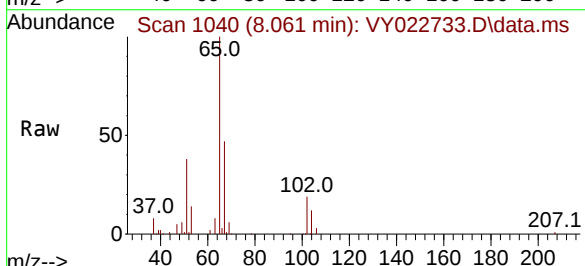
Acq: 18 Jun 2025 12:16

Tgt Ion: 65 Resp: 41272

Ion Ratio Lower Upper

65 100

67 52.3 0.0 103.4

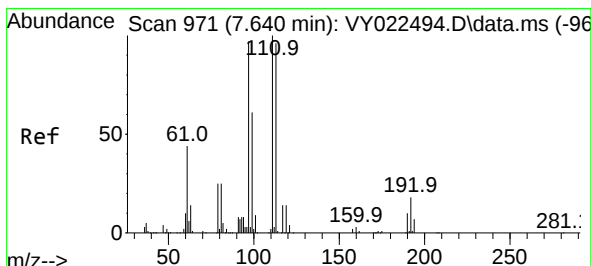
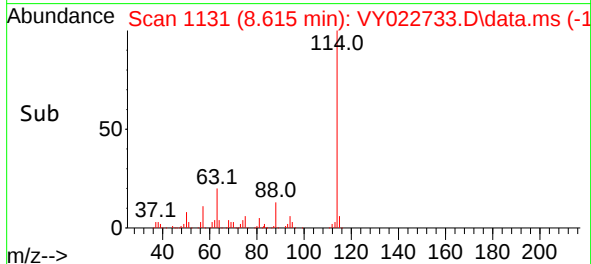
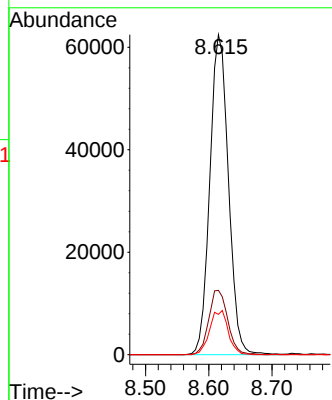
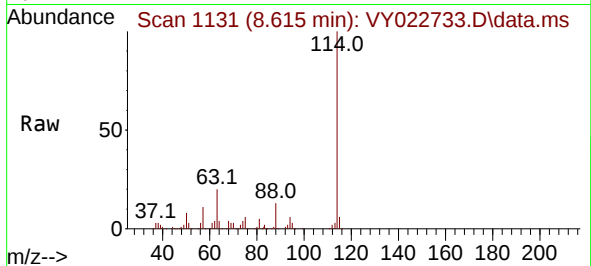




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.615 min Scan# 1131  
Delta R.T. -0.000 min  
Lab File: VY022733.D  
Acq: 18 Jun 2025 12:16

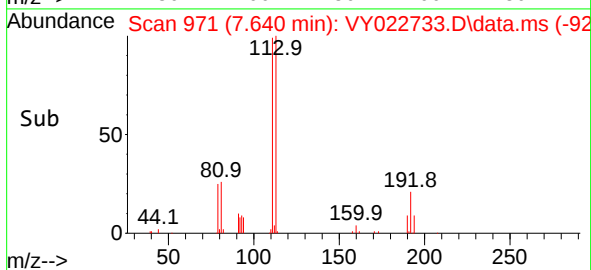
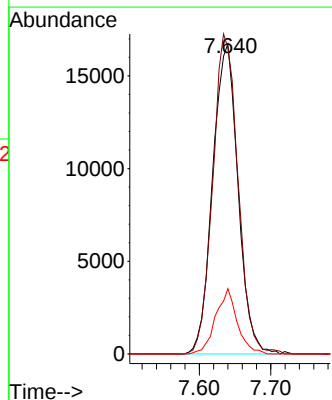
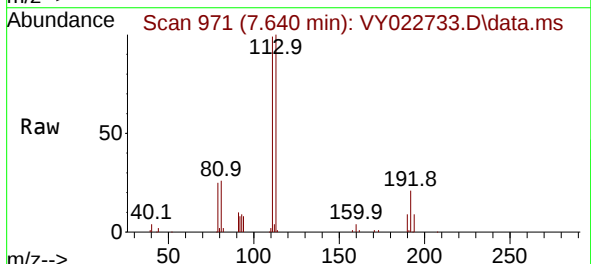
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OR-02-061625RE

Tgt Ion:114 Resp: 127588  
Ion Ratio Lower Upper  
114 100  
63 20.1 0.0 40.8  
88 12.6 0.0 27.8



#35  
Dibromofluoromethane  
Concen: 54.150 ug/l  
RT: 7.640 min Scan# 971  
Delta R.T. -0.000 min  
Lab File: VY022733.D  
Acq: 18 Jun 2025 12:16

Tgt Ion:113 Resp: 41238  
Ion Ratio Lower Upper  
113 100  
111 102.3 81.1 121.7  
192 17.9 14.2 21.2

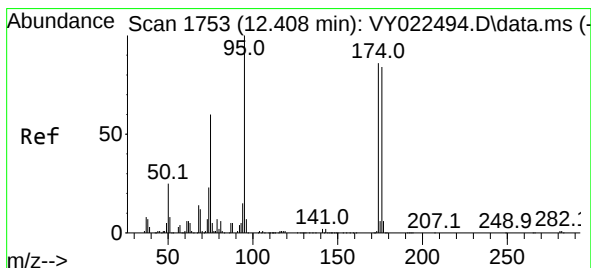
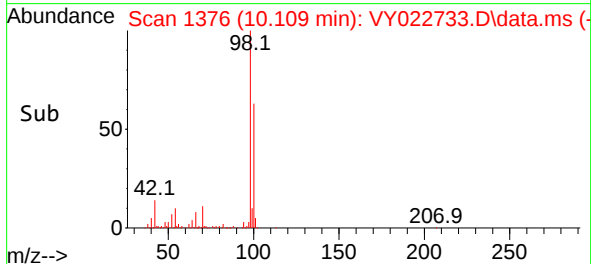
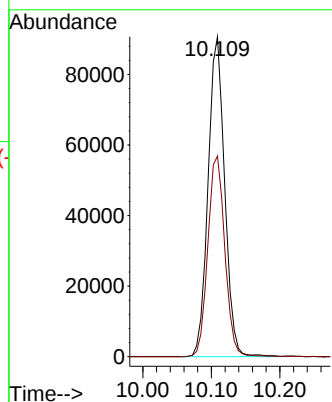
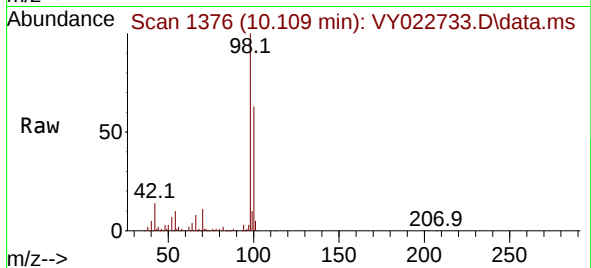




#50  
Toluene-d8  
Concen: 49.641 ug/l  
RT: 10.109 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY022733.D  
Acq: 18 Jun 2025 12:16

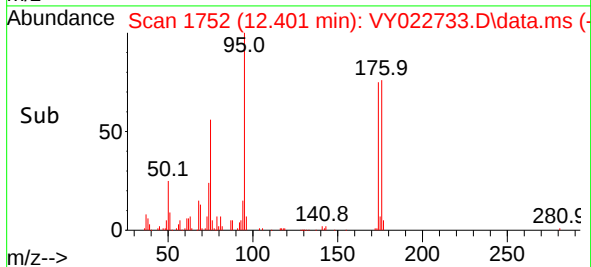
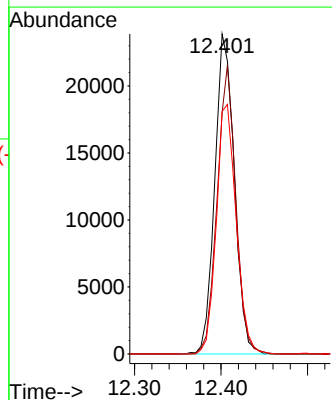
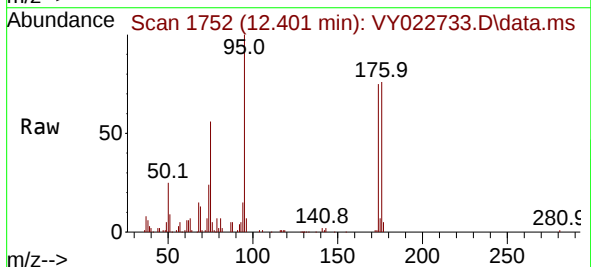
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OR-02-061625RE

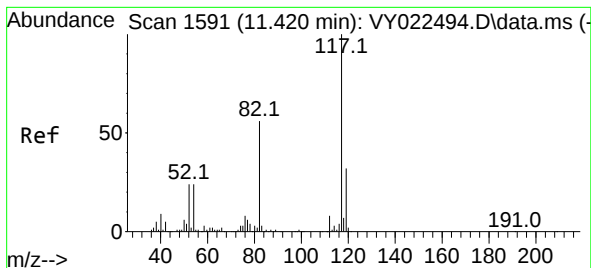
Tgt Ion: 98 Resp: 152751  
Ion Ratio Lower Upper  
98 100  
100 64.3 51.4 77.0



#62  
4-Bromofluorobenzene  
Concen: 40.849 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. -0.006 min  
Lab File: VY022733.D  
Acq: 18 Jun 2025 12:16

Tgt Ion: 95 Resp: 37452  
Ion Ratio Lower Upper  
95 100  
174 85.8 0.0 170.0  
176 79.1 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 117

Delta R.T. -0.006 min

Lab File: VY022733.D

Acq: 18 Jun 2025 12:16

Instrument :

MSVOA\_Y

ClientSampleId :

OR-02-061625RE

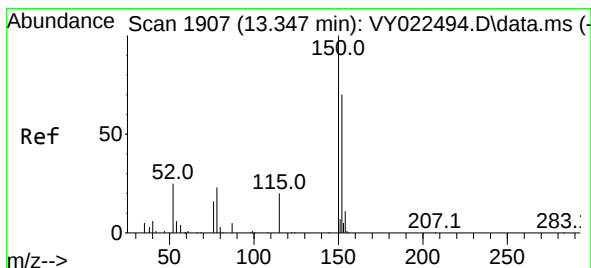
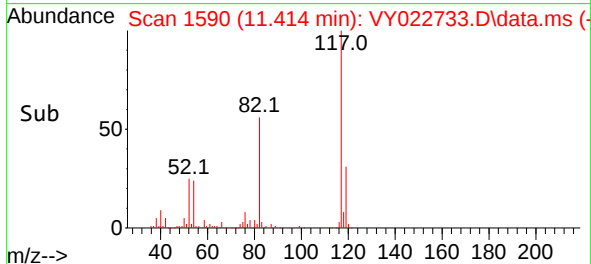
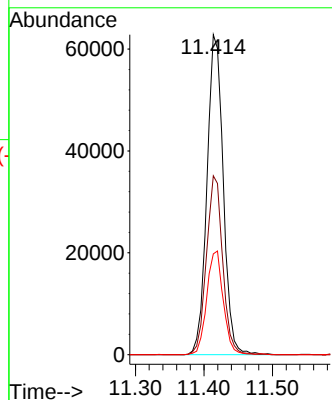
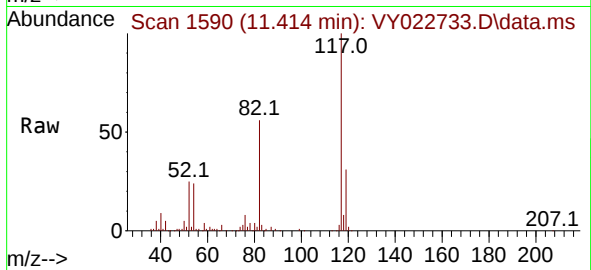
Tgt Ion:117 Resp: 103900

Ion Ratio Lower Upper

117 100

82 55.9 44.6 66.8

119 31.5 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022733.D

Acq: 18 Jun 2025 12:16

Tgt Ion:152 Resp: 36902

Ion Ratio Lower Upper

152 100

115 59.3 28.9 86.7

150 161.3 0.0 349.6

