

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY091124\  
 Data File : VY019513.D  
 Acq On : 11 Sep 2024 16:53  
 Operator : SY/MD  
 Sample : P3906-09  
 Misc : 4.33g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SU-701-VOC-02

Quant Time: Sep 12 01:33:38 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  | 379149   | 50.000 | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene    | 8.609  | 114  | 743571   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 671029   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 251526   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.055  | 65    | 242572   | 69.092   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 138.180% |
| 35) Dibromofluoromethane    | 7.628  | 113   | 238871   | 56.659   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 113.320% |
| 50) Toluene-d8              | 10.103 | 98    | 887343   | 56.904   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 113.800% |
| 62) 4-Bromofluorobenzene    | 12.401 | 95    | 297760   | 49.661   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =    | 99.320%  |

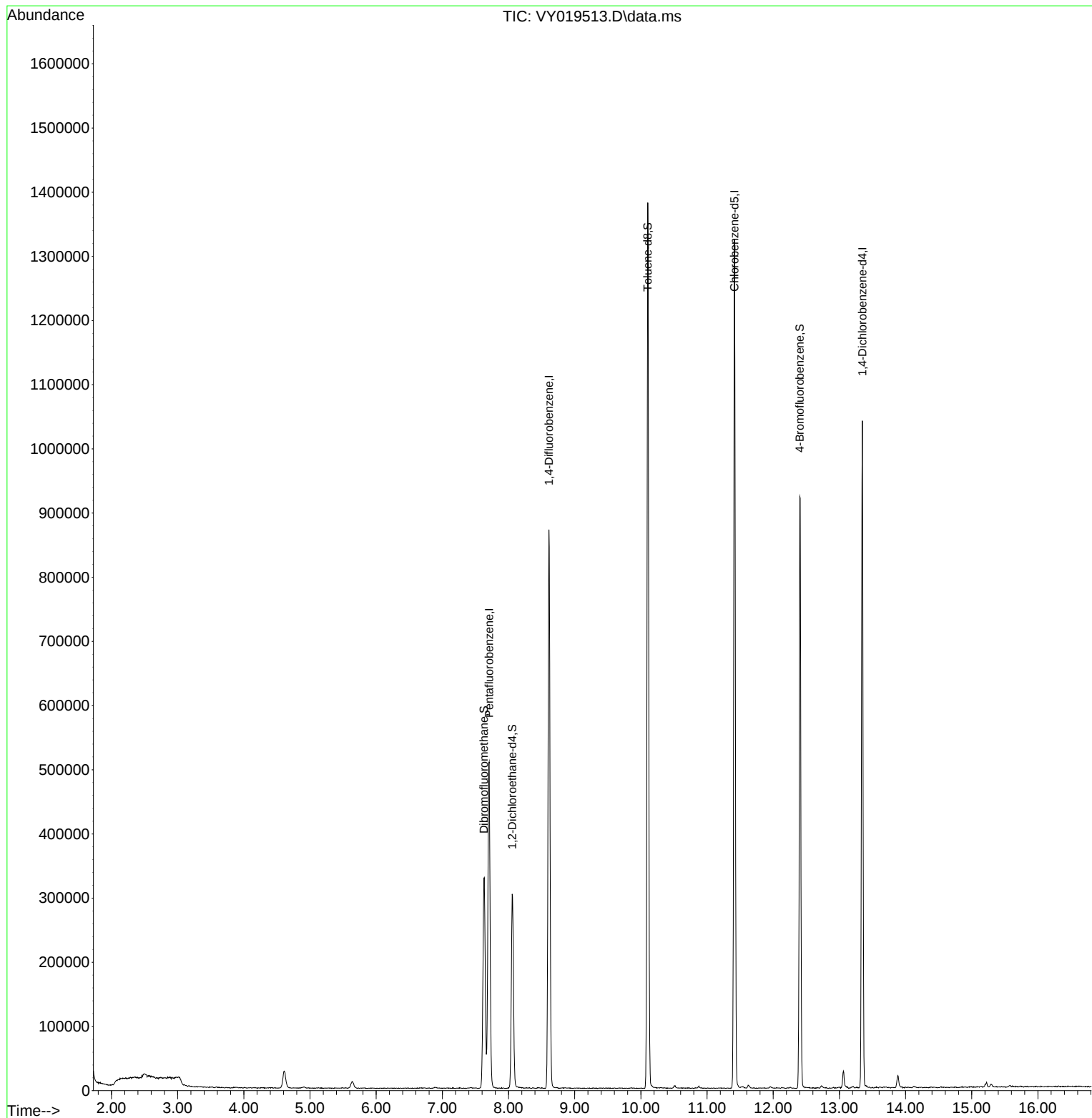
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

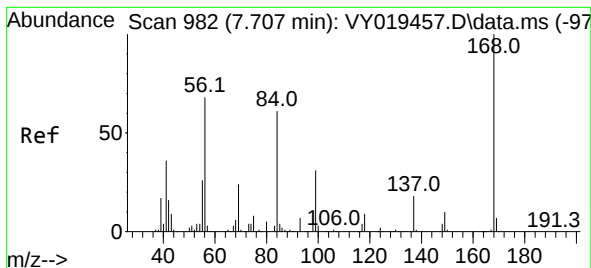
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Sep 09 16:00:30 2024  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 9

Delta R.T. 0.000 min

Lab File: VY019513.D

Acq: 11 Sep 2024 16:53

Instrument :

MSVOA\_Y

ClientSampleId :

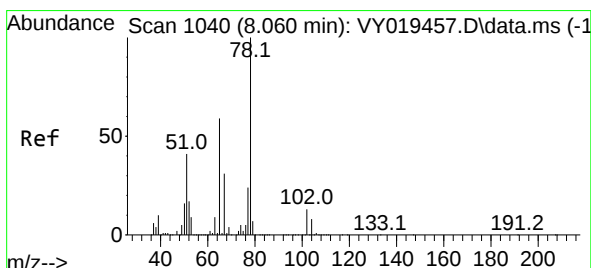
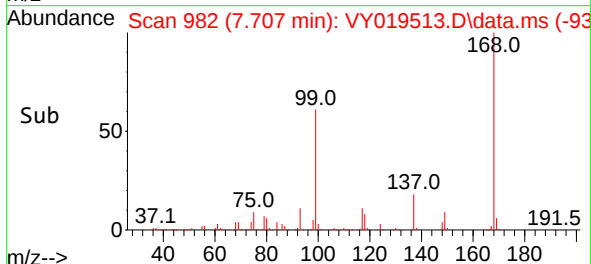
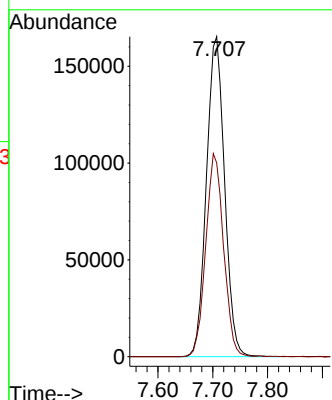
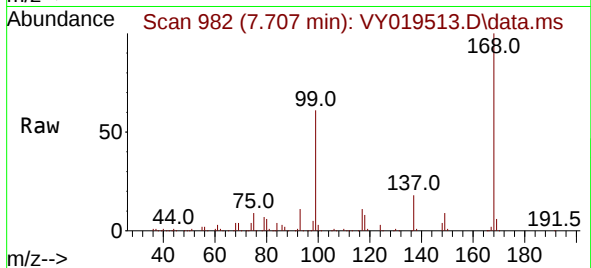
SU-701-VOC-02

Tgt Ion:168 Resp: 379149

Ion Ratio Lower Upper

168 100

99 60.6 39.1 58.7#



#33

1,2-Dichloroethane-d4

Concen: 69.092 ug/l

RT: 8.055 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VY019513.D

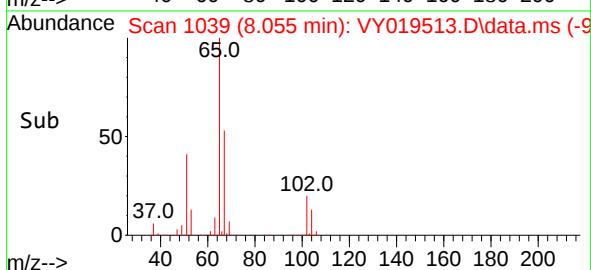
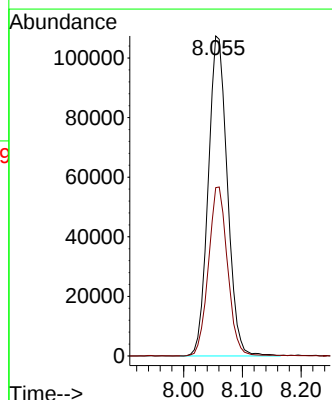
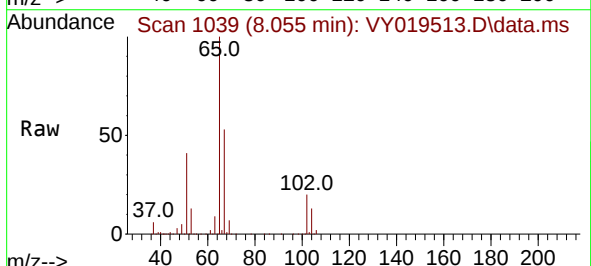
Acq: 11 Sep 2024 16:53

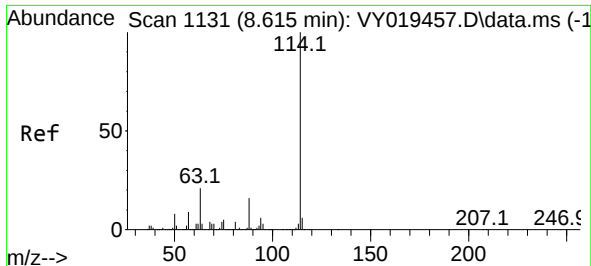
Tgt Ion: 65 Resp: 242572

Ion Ratio Lower Upper

65 100

67 53.0 0.0 109.6

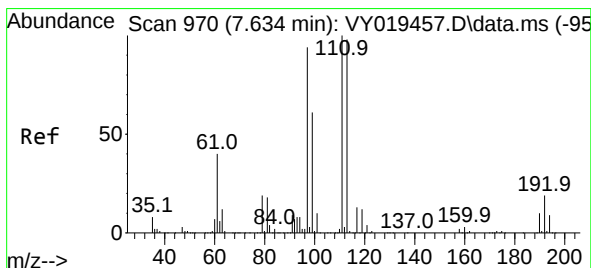
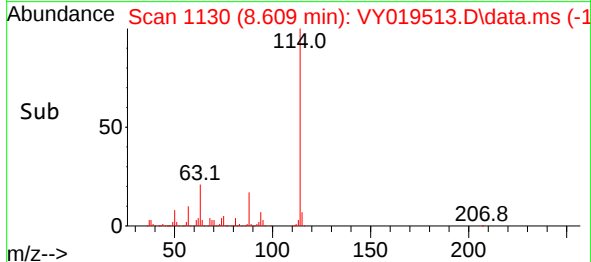
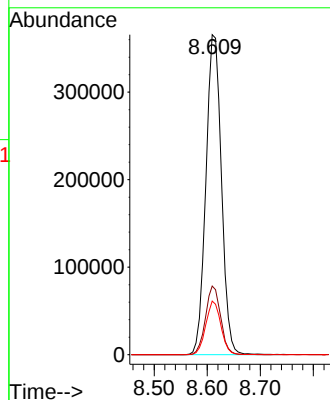
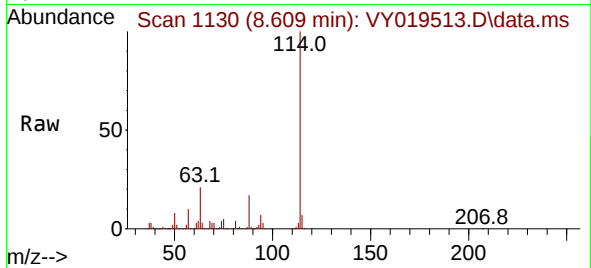




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.609 min Scan# 1131  
Delta R.T. -0.006 min  
Lab File: VY019513.D  
Acq: 11 Sep 2024 16:53

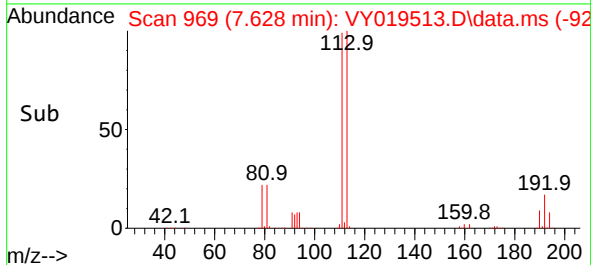
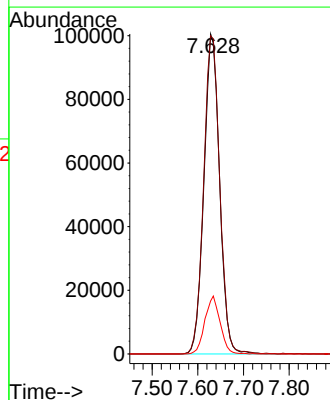
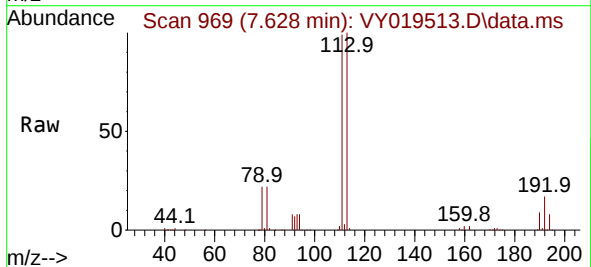
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SU-701-VOC-02

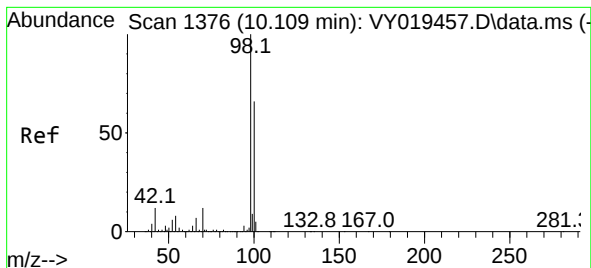
Tgt Ion:114 Resp: 743571  
Ion Ratio Lower Upper  
114 100  
63 21.4 0.0 35.0  
88 16.7 0.0 27.2



#35  
Dibromofluoromethane  
Concen: 56.659 ug/l  
RT: 7.628 min Scan# 969  
Delta R.T. -0.006 min  
Lab File: VY019513.D  
Acq: 11 Sep 2024 16:53

Tgt Ion:113 Resp: 238871  
Ion Ratio Lower Upper  
113 100  
111 102.3 82.2 123.4  
192 17.6 15.9 23.9





#50

Toluene-d8

Concen: 56.904 ug/l

RT: 10.103 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019513.D

Acq: 11 Sep 2024 16:53

Instrument :

MSVOA\_Y

ClientSampleId :

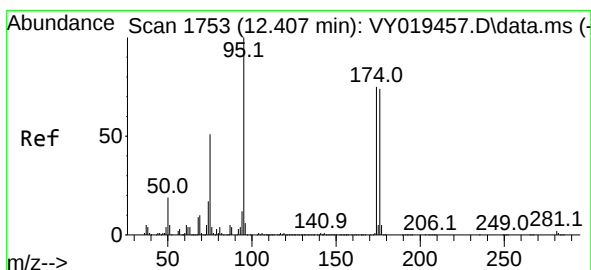
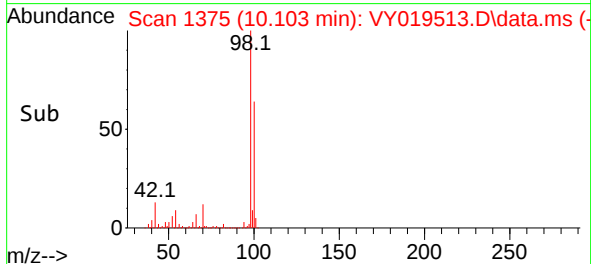
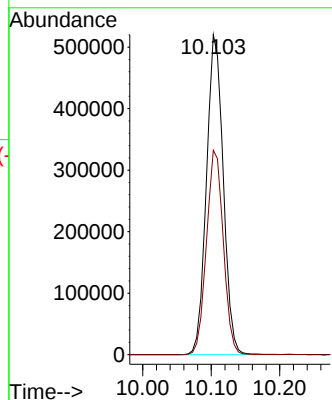
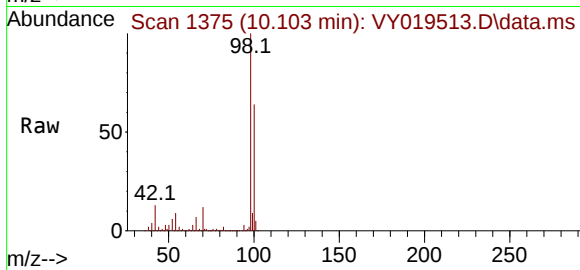
SU-701-VOC-02

Tgt Ion: 98 Resp: 887343

Ion Ratio Lower Upper

98 100

100 64.2 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 49.661 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY019513.D

Acq: 11 Sep 2024 16:53

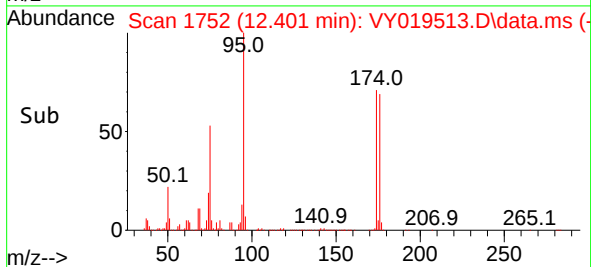
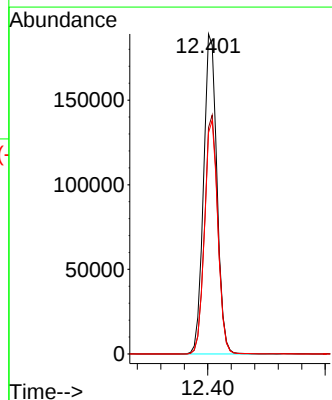
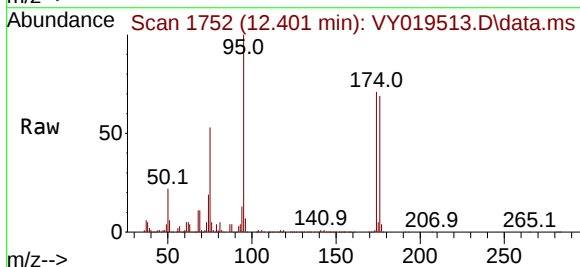
Tgt Ion: 95 Resp: 297760

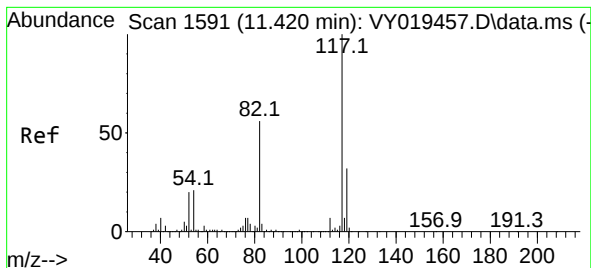
Ion Ratio Lower Upper

95 100

174 74.4 0.0 175.6

176 72.8 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: VY019513.D

Acq: 11 Sep 2024 16:53

Instrument :

MSVOA\_Y

ClientSampleId :

SU-701-VOC-02

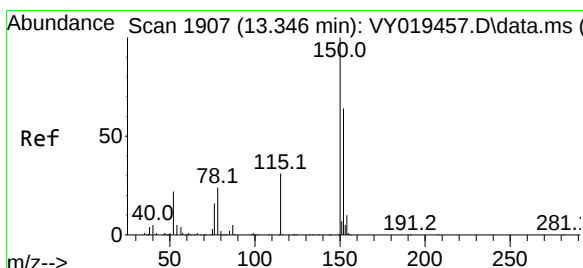
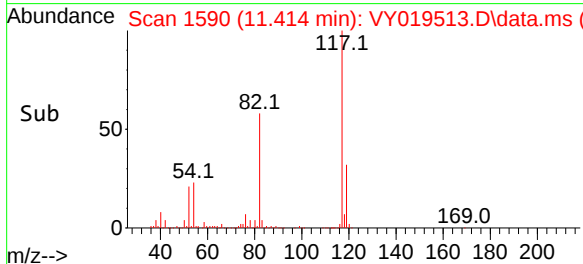
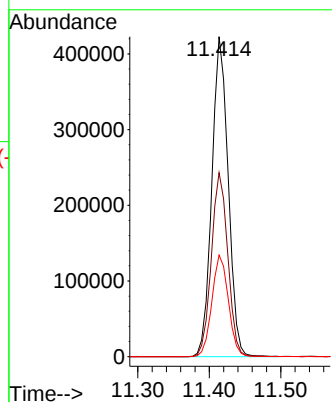
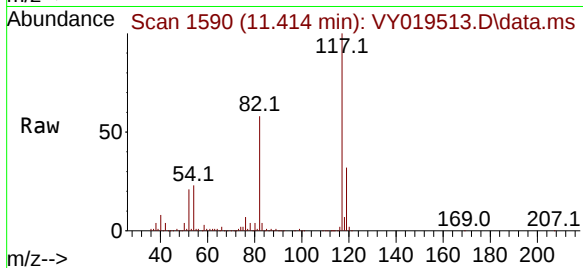
Tgt Ion:117 Resp: 671029

Ion Ratio Lower Upper

117 100

82 57.5 42.4 63.6

119 31.8 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: VY019513.D

Acq: 11 Sep 2024 16:53

Tgt Ion:152 Resp: 251526

Ion Ratio Lower Upper

152 100

115 62.9 28.2 84.7

150 158.4 0.0 345.6

