

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110124\  
 Data File : VY020123.D  
 Acq On : 01 Nov 2024 16:43  
 Operator : SY/MD  
 Sample : P4613-01  
 Misc : 4.99g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 ARS20-0001

Quant Time: Nov 01 16:58:45 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y103024S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 31 15:23:13 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.713  | 168   | 16427    | 50.000   | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene     | 8.616  | 114   | 29287    | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.420 | 117   | 18158    | 50.000   | ug/l  | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4  | 13.346 | 152   | 3640     | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 9186     | 44.805   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 89.620%  |
| 35) Dibromofluoromethane    | 7.634  | 113   | 9823     | 52.754   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 105.500% |
| 50) Toluene-d8              | 10.103 | 98    | 31806    | 42.912   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 85.820%  |
| 62) 4-Bromofluorobenzene    | 12.401 | 95    | 9937m    | 41.276   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =     | 82.560%  |

Target Compounds Qvalue

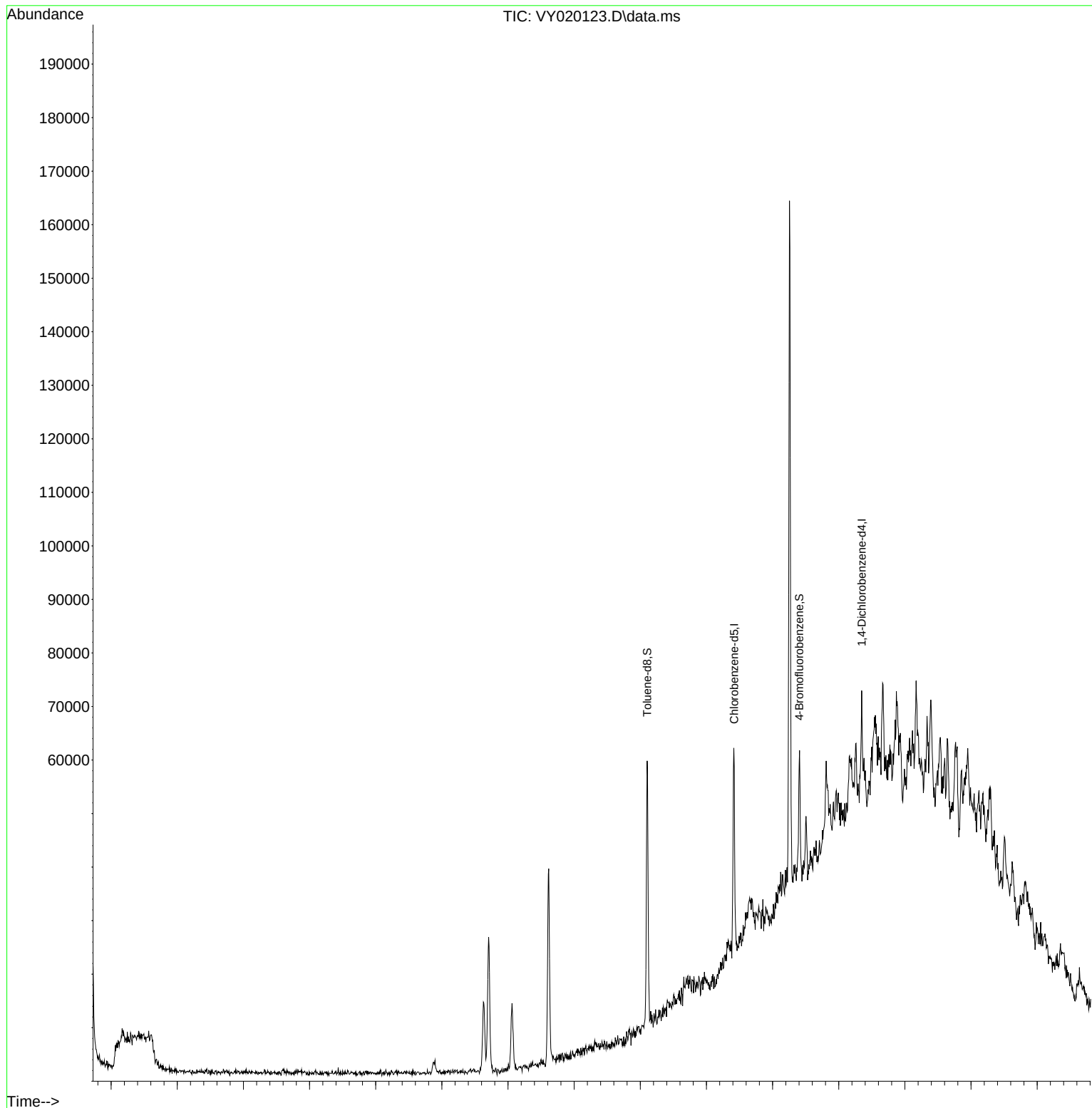
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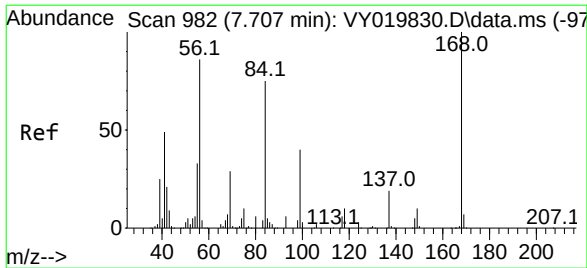
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
ARS20-0001

Quant Time: Nov 01 16:58:45 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y103024S.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 31 15:23:13 2024  
Response via : Initial Calibration

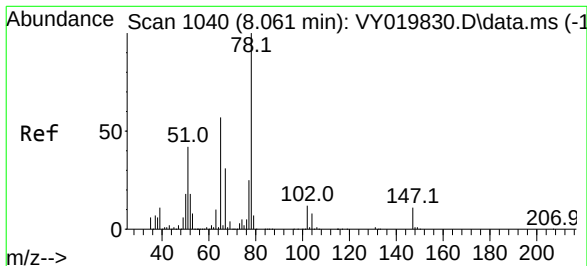
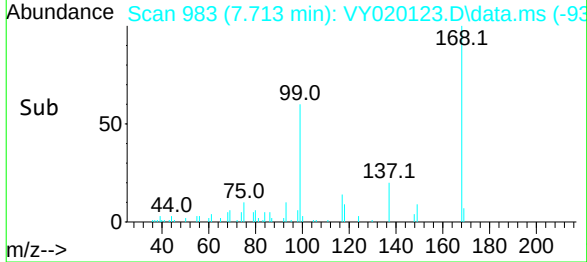
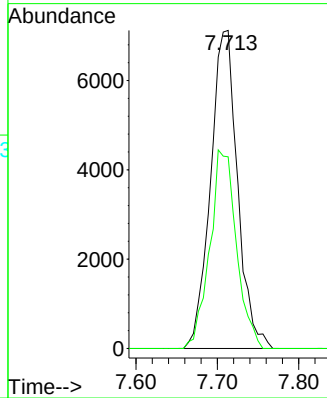
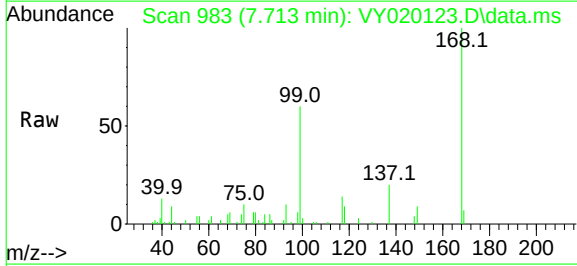




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 98  
Delta R.T. 0.006 min  
Lab File: VY020123.D  
Acq: 01 Nov 2024 16:43

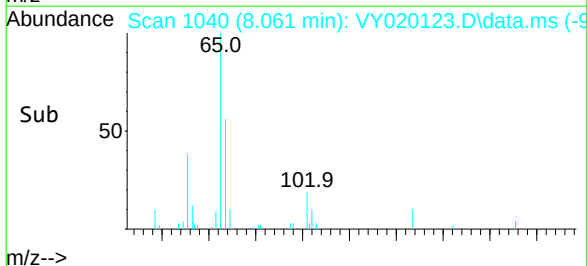
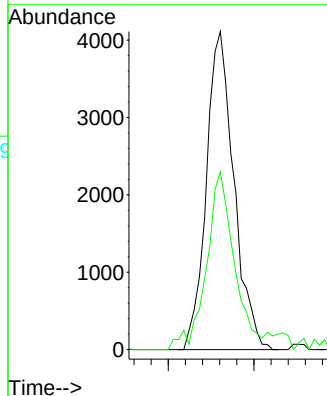
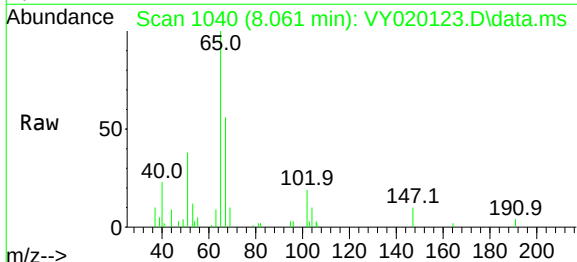
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ARS20-0001

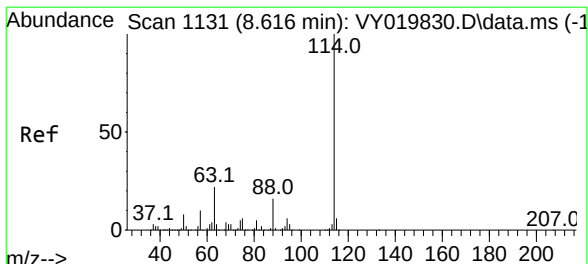
Tgt Ion:168 Resp: 16427  
Ion Ratio Lower Upper  
168 100  
99 60.3 39.1 58.7#



#33  
1,2-Dichloroethane-d4  
Concen: 44.805 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: VY020123.D  
Acq: 01 Nov 2024 16:43

Tgt Ion: 65 Resp: 9186  
Ion Ratio Lower Upper  
65 100  
67 56.4 0.0 109.6

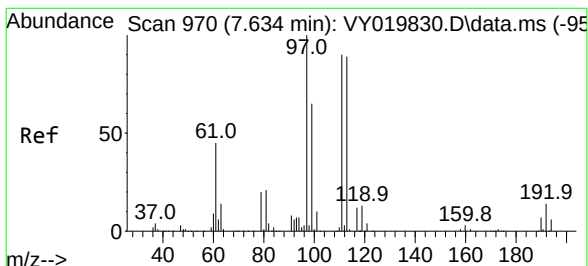
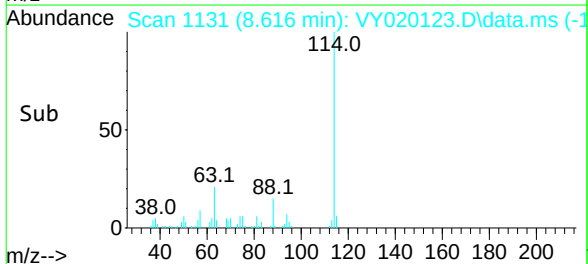
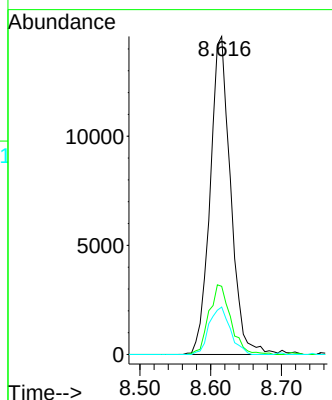
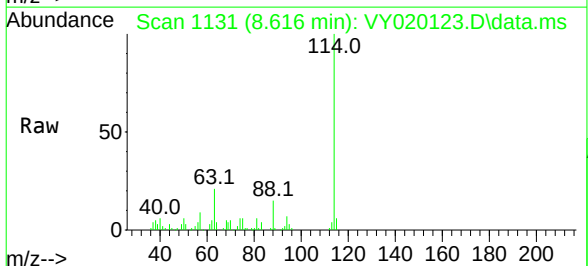




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 1131  
Delta R.T. 0.000 min  
Lab File: VY020123.D  
Acq: 01 Nov 2024 16:43

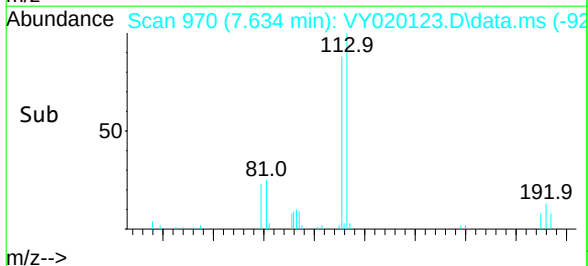
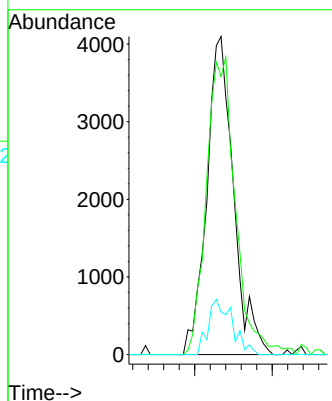
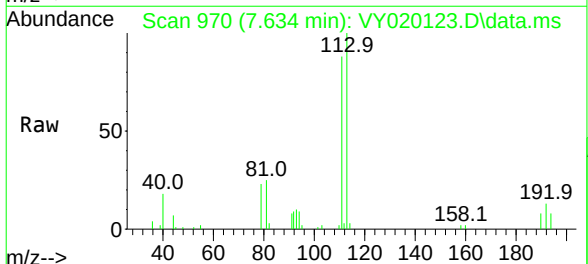
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ARS20-0001

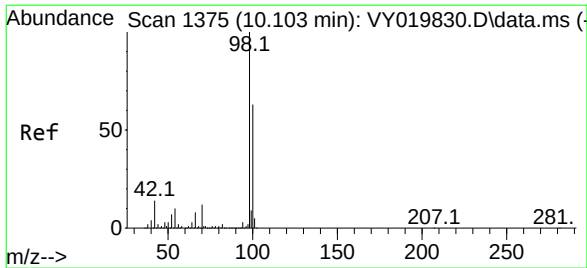
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 114   | Resp: | 29287 |
| Ion Ratio | Lower | Upper |       |
| 114       | 100   |       |       |
| 63        | 21.4  | 0.0   | 35.0  |
| 88        | 14.9  | 0.0   | 27.2  |



#35  
Dibromofluoromethane  
Concen: 52.754 ug/l  
RT: 7.634 min Scan# 970  
Delta R.T. 0.000 min  
Lab File: VY020123.D  
Acq: 01 Nov 2024 16:43

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 9823  |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 111       | 101.5 | 82.2  | 123.4 |
| 192       | 15.6  | 15.9  | 23.9# |





#50

Toluene-d8

Concen: 42.912 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY020123.D

Acq: 01 Nov 2024 16:43

Instrument :

MSVOA\_Y

ClientSampleId :

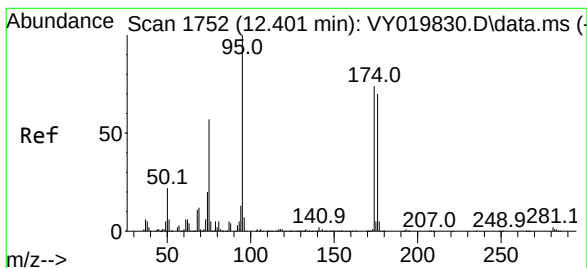
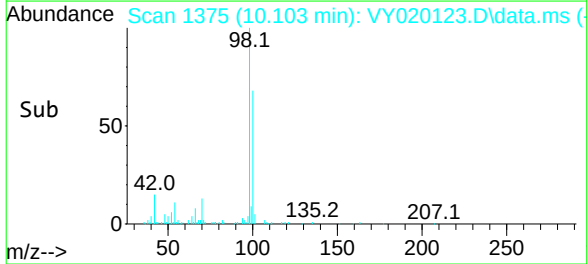
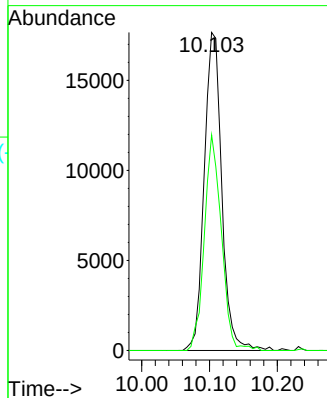
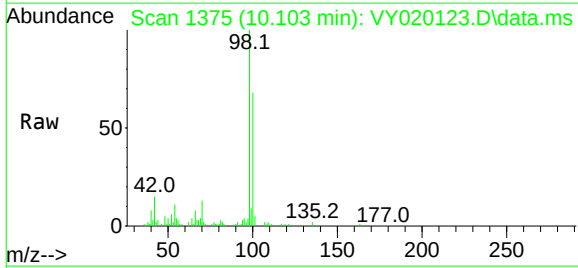
ARS20-0001

Tgt Ion: 98 Resp: 31806

Ion Ratio Lower Upper

98 100

100 65.8 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 41.276 ug/l m

RT: 12.401 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY020123.D

Acq: 01 Nov 2024 16:43

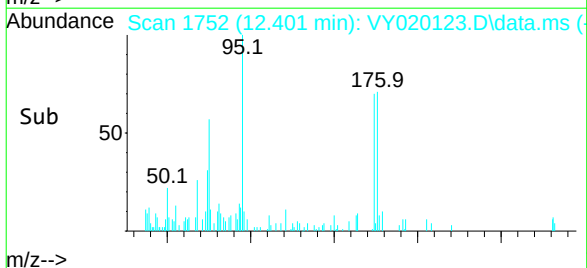
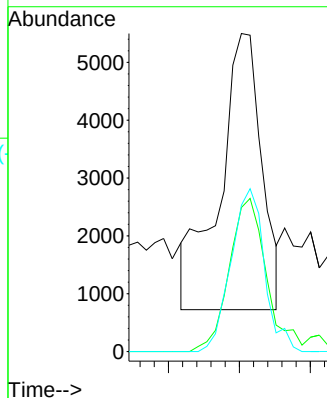
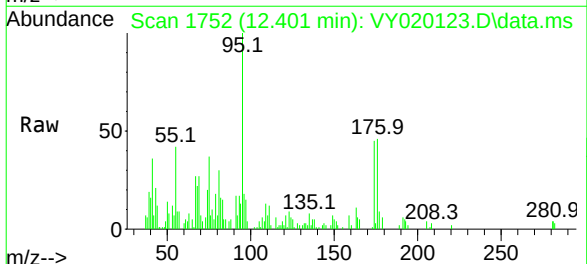
Tgt Ion: 95 Resp: 9937

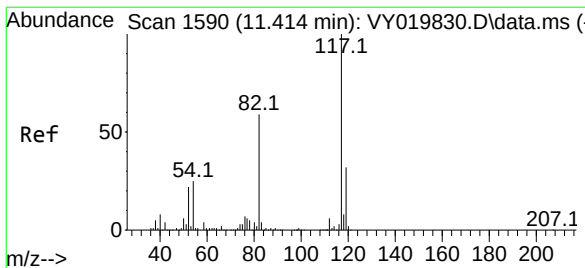
Ion Ratio Lower Upper

95 100

174 0.0 0.0 175.6

176 0.0 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.000 min

Lab File: VY020123.D

Acq: 01 Nov 2024 16:43

Instrument :

MSVOA\_Y

ClientSampleId :

ARS20-0001

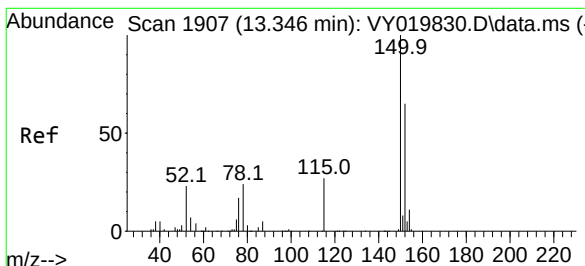
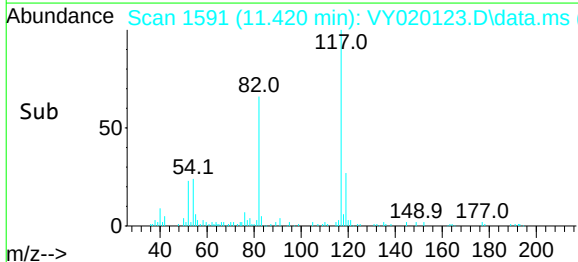
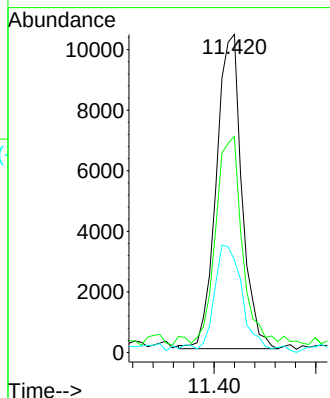
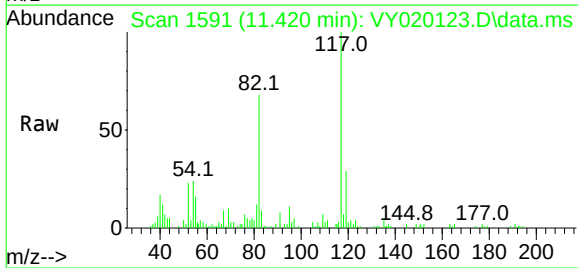
Tgt Ion:117 Resp: 18158

Ion Ratio Lower Upper

117 100

82 65.3 42.4 63.6#

119 28.2 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: VY020123.D

Acq: 01 Nov 2024 16:43

Tgt Ion:152 Resp: 3640

Ion Ratio Lower Upper

152 100

115 54.1 28.2 84.7

150 143.4 0.0 345.6

