

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062424\  
 Data File : VY018677.D  
 Acq On : 24 Jun 2024 16:04  
 Operator : SY/MD  
 Sample : P3021-07  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 ARS20-006

Quant Time: Jun 25 01:10:24 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y061324S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 14 07:08:24 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.782  | 168  | 5058     | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 8257     | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 5646     | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 1081     | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.124  | 65    | 2177     | 42.750   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 85.500% |
| 35) Dibromofluoromethane    | 7.703  | 113   | 2514     | 49.911   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 99.820% |
| 50) Toluene-d8              | 10.178 | 98    | 8135     | 41.998   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 84.000% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 1531     | 25.030   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 50.060% |

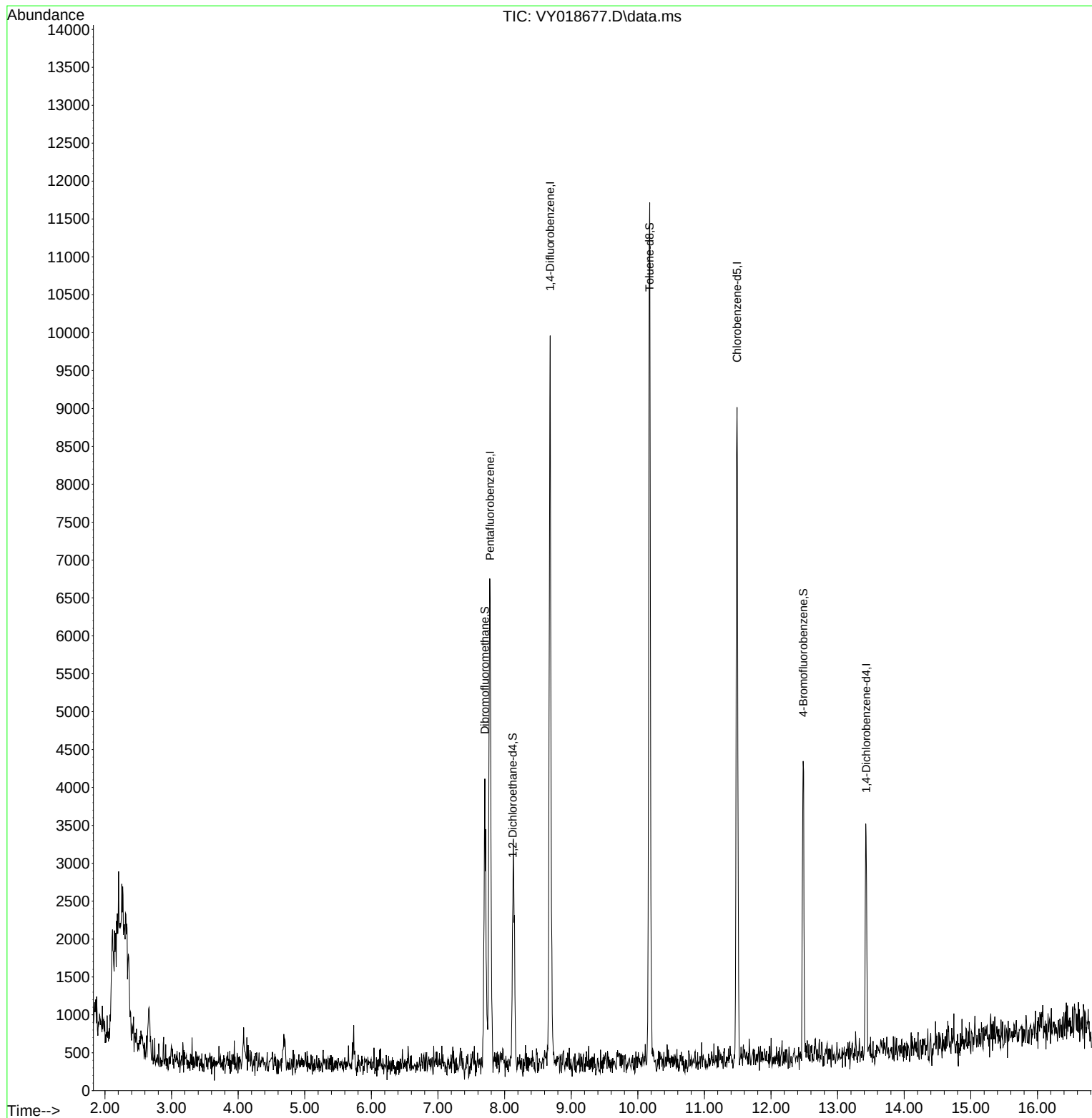
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

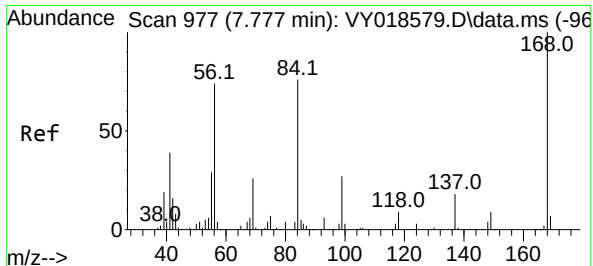
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 14 07:08:24 2024  
Response via : Initial Calibration

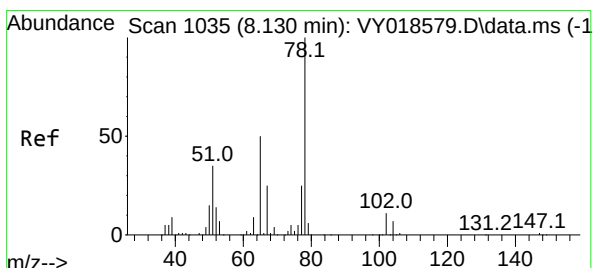
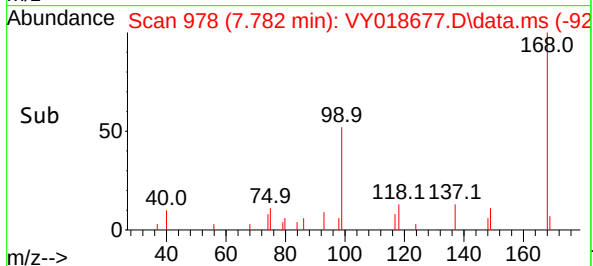
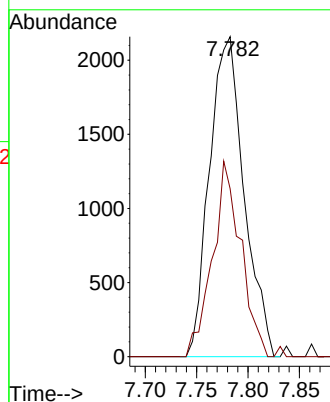
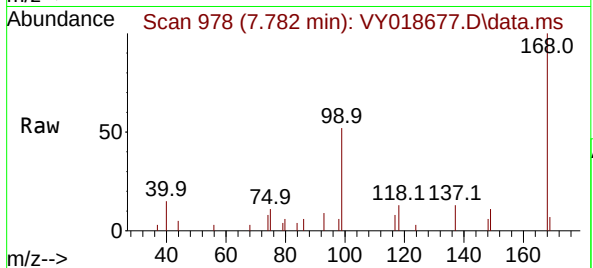




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.782 min Scan# 91  
Delta R.T. 0.005 min  
Lab File: VY018677.D  
Acq: 24 Jun 2024 16:04

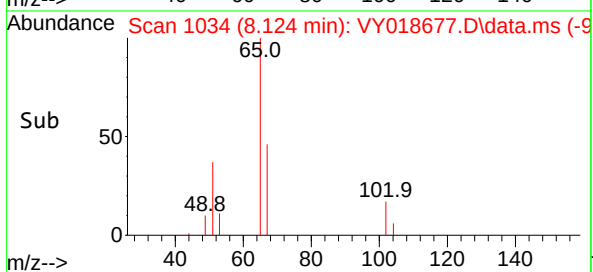
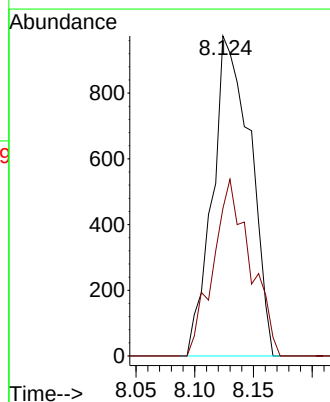
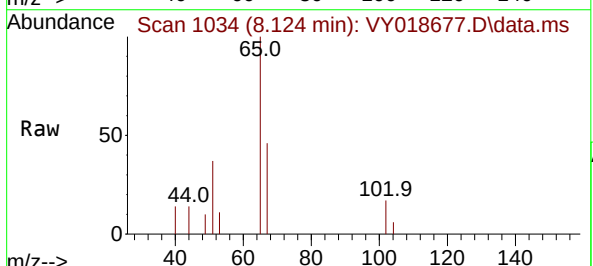
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ARS20-006

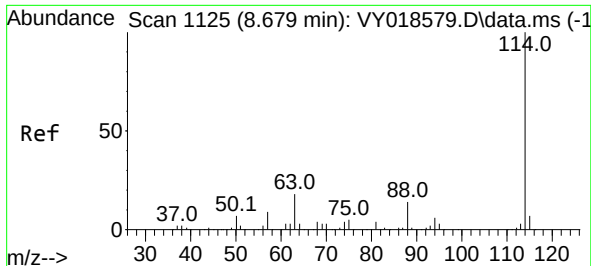
Tgt Ion:168 Resp: 5058  
Ion Ratio Lower Upper  
168 100  
99 52.5 39.1 58.7



#33  
1,2-Dichloroethane-d4  
Concen: 42.750 ug/l  
RT: 8.124 min Scan# 1034  
Delta R.T. -0.006 min  
Lab File: VY018677.D  
Acq: 24 Jun 2024 16:04

Tgt Ion: 65 Resp: 2177  
Ion Ratio Lower Upper  
65 100  
67 54.6 0.0 109.6

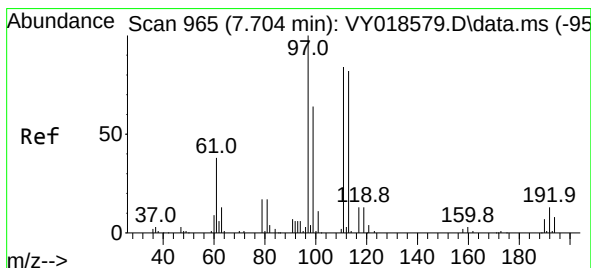
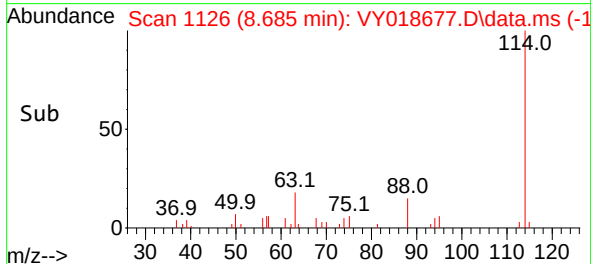
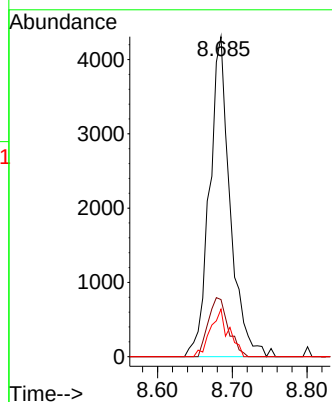
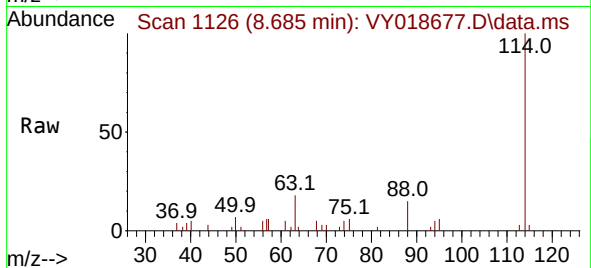




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1125  
Delta R.T. 0.006 min  
Lab File: VY018677.D  
Acq: 24 Jun 2024 16:04

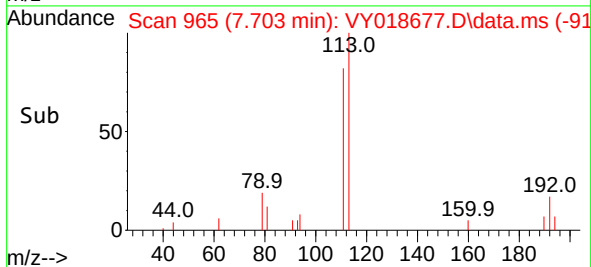
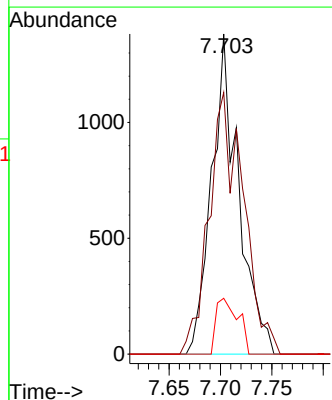
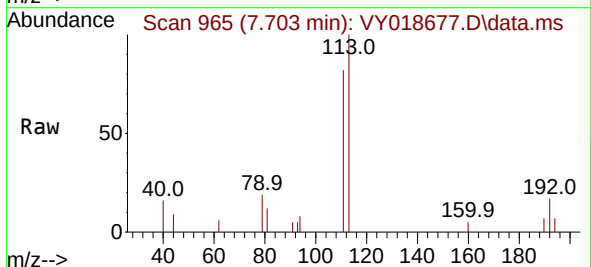
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ARS20-006

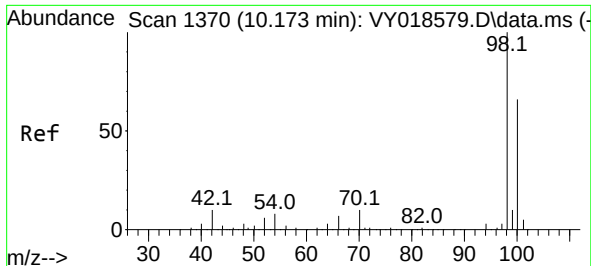
Tgt Ion:114 Resp: 8257  
Ion Ratio Lower Upper  
114 100  
63 17.9 0.0 35.0  
88 14.9 0.0 27.2



#35  
Dibromofluoromethane  
Concen: 49.911 ug/l  
RT: 7.703 min Scan# 965  
Delta R.T. -0.000 min  
Lab File: VY018677.D  
Acq: 24 Jun 2024 16:04

Tgt Ion:113 Resp: 2514  
Ion Ratio Lower Upper  
113 100  
111 104.3 82.2 123.4  
192 14.2 15.9 23.9#





#50

Toluene-d8

Concen: 41.998 ug/l

RT: 10.178 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY018677.D

Acq: 24 Jun 2024 16:04

Instrument :

MSVOA\_Y

ClientSampleId :

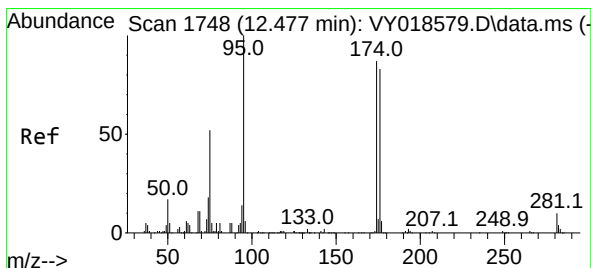
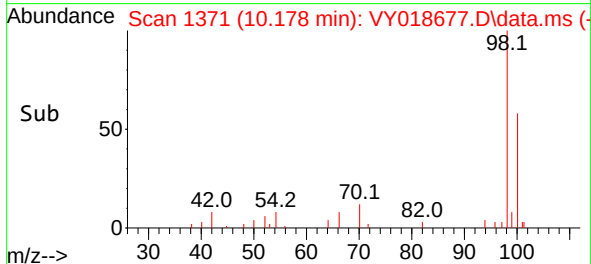
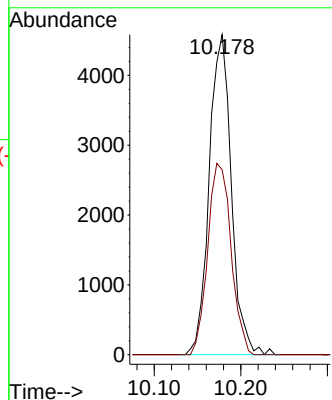
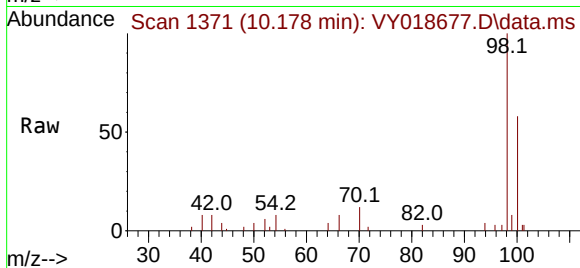
ARS20-006

Tgt Ion: 98 Resp: 8135

Ion Ratio Lower Upper

98 100

100 63.1 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 25.030 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY018677.D

Acq: 24 Jun 2024 16:04

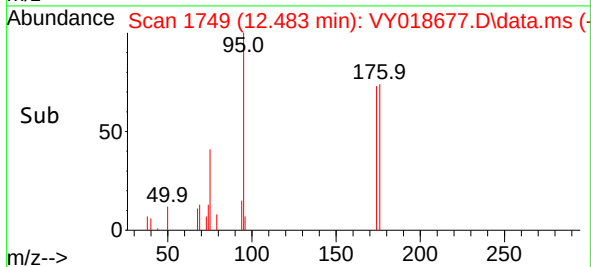
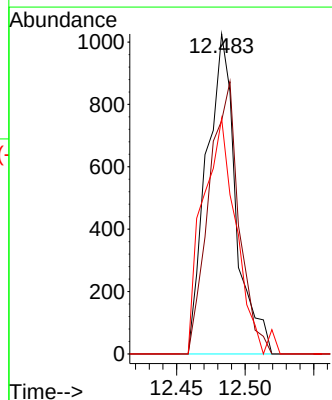
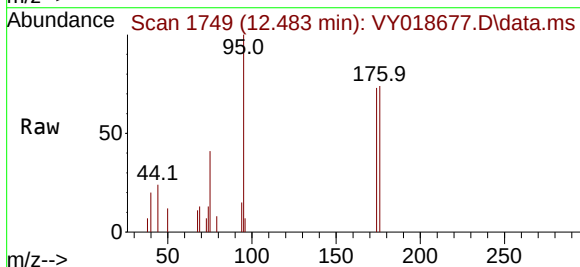
Tgt Ion: 95 Resp: 1531

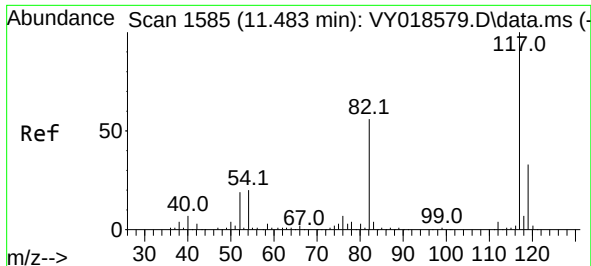
Ion Ratio Lower Upper

95 100

174 87.1 0.0 175.6

176 84.2 0.0 171.4

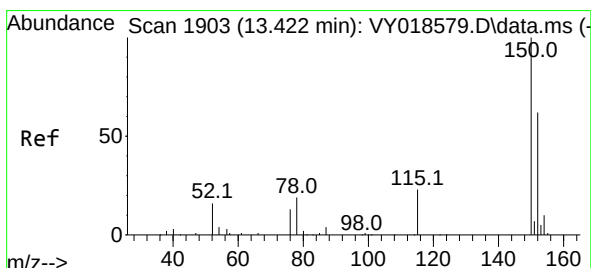
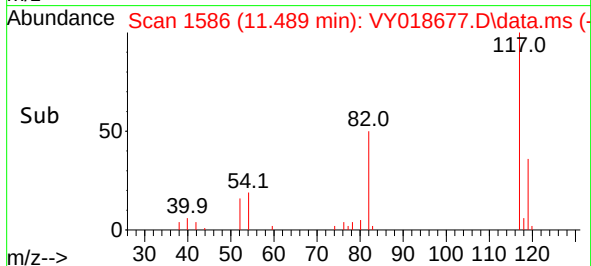
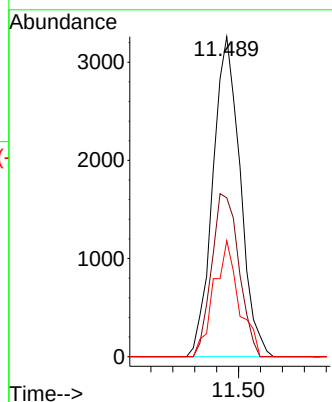
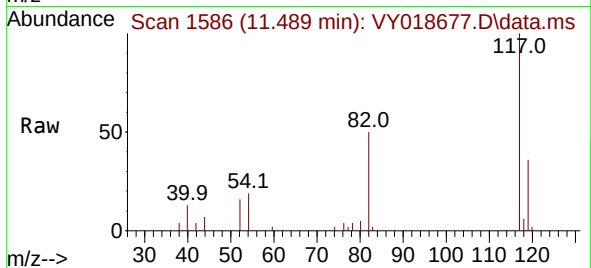




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY018677.D  
Acq: 24 Jun 2024 16:04

Instrument :  
MSVOA\_Y  
ClientSampleId :  
ARS20-006

Tgt Ion:117 Resp: 5646  
Ion Ratio Lower Upper  
117 100  
82 49.6 42.4 63.6  
119 36.3 25.9 38.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.006 min  
Lab File: VY018677.D  
Acq: 24 Jun 2024 16:04

Tgt Ion:152 Resp: 1081  
Ion Ratio Lower Upper  
152 100  
115 47.0 28.2 84.7  
150 133.5 0.0 345.6

