

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052322\  
 Data File : VY009025.D  
 Acq On : 23 May 2022 23:16  
 Operator : KP/MD  
 Sample : N2948-01  
 Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 P035-SS001-0006-01

Quant Time: May 24 01:53:09 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052022S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 20 23:50:52 2022  
 Response via : Initial Calibration

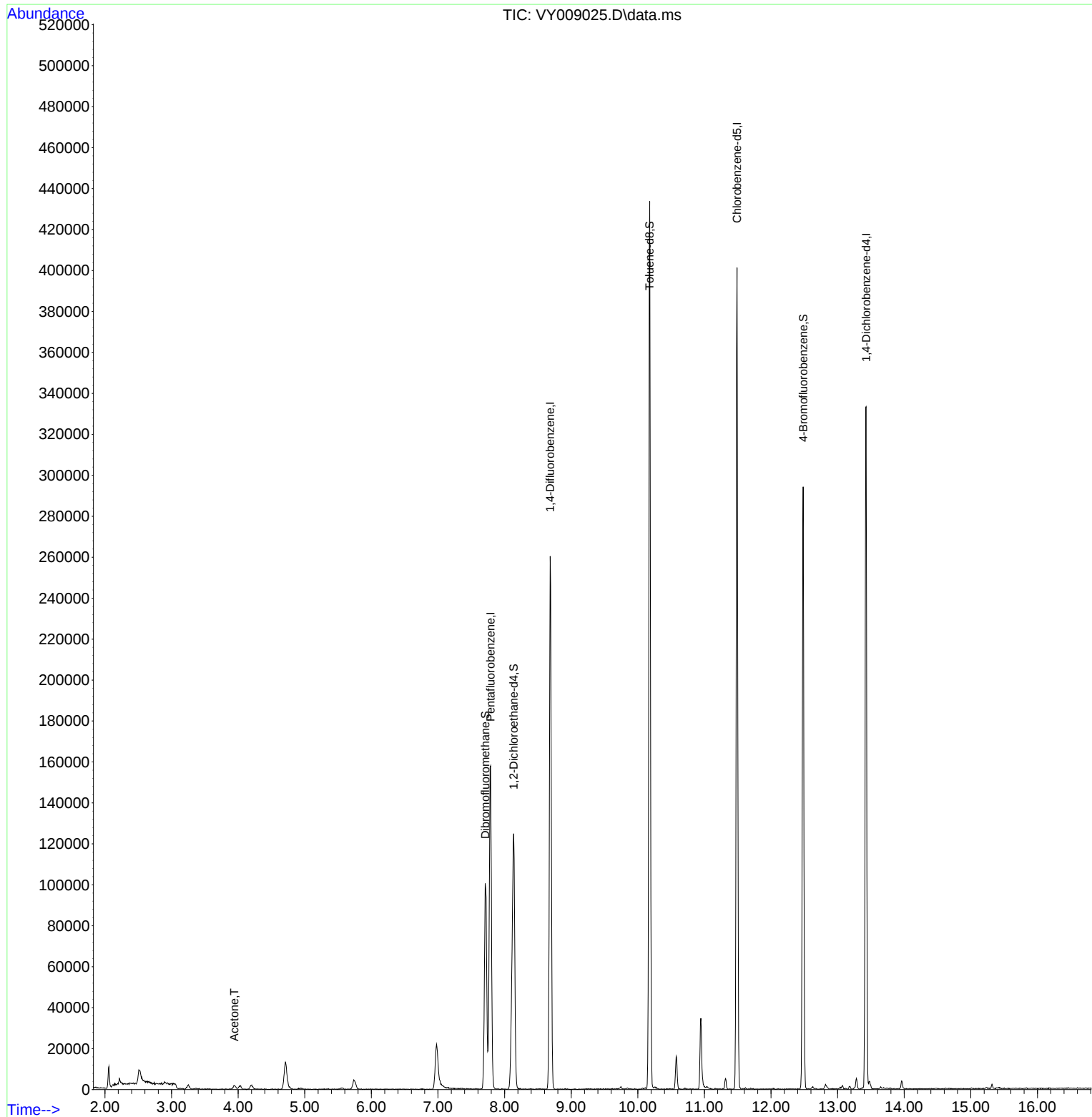
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min)    |
|-----------------------------|--------|-------|----------|----------|------------|-------------|
| -----                       |        |       |          |          |            |             |
| Internal Standards          |        |       |          |          |            |             |
| 1) Pentafluorobenzene       | 7.789  | 168   | 122684   | 50.000   | ug/l       | 0.00        |
| 34) 1,4-Difluorobenzene     | 8.685  | 114   | 219122   | 50.000   | ug/l       | 0.00        |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 205113   | 50.000   | ug/l       | 0.00        |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 82154    | 50.000   | ug/l       | 0.00        |
| System Monitoring Compounds |        |       |          |          |            |             |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 77842    | 61.650   | ug/l       | 0.00        |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 123.300% |             |
| 35) Dibromofluoromethane    | 7.710  | 113   | 70507    | 51.745   | ug/l       | 0.00        |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 103.480% |             |
| 50) Toluene-d8              | 10.179 | 98    | 270207   | 53.753   | ug/l       | 0.00        |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 107.500% |             |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 77407    | 38.174   | ug/l       | 0.00        |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 76.340%  |             |
| Target Compounds            |        |       |          |          |            |             |
| 16) Acetone                 | 3.942  | 43    | 3385     | 12.879   | ug/l       | Qvalue # 84 |
| -----                       |        |       |          |          |            |             |

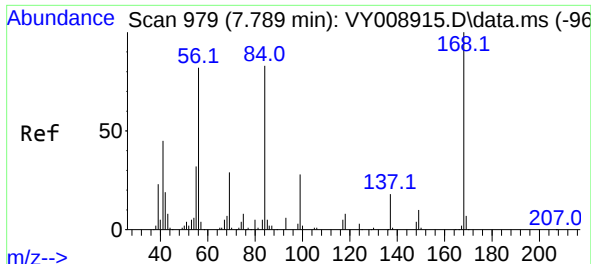
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : N2948-01  
Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
P035-SS001-0006-01

Quant Time: May 24 01:53:09 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052022S.M  
Quant Title : SW846 8260  
QLast Update : Fri May 20 23:50:52 2022  
Response via : Initial Calibration

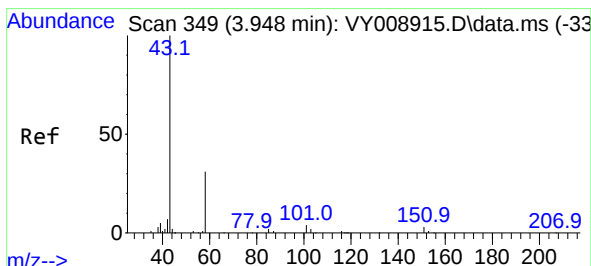
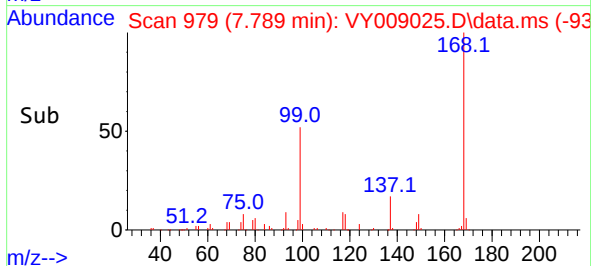
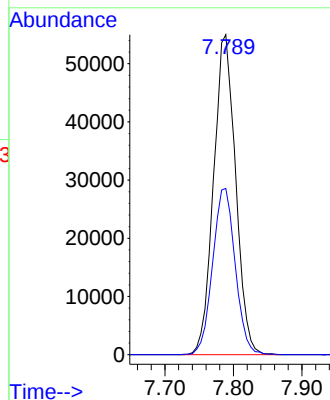
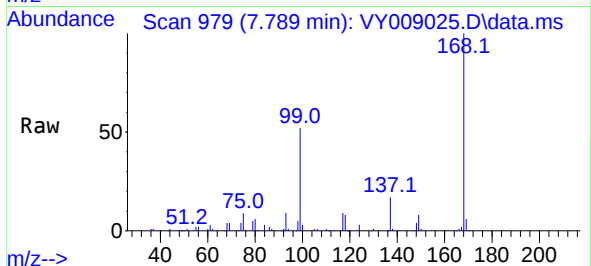




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY009025.D  
Acq: 23 May 2022 23:16

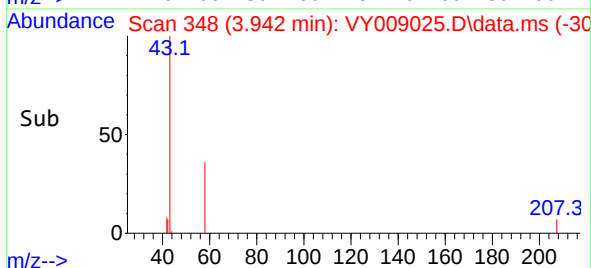
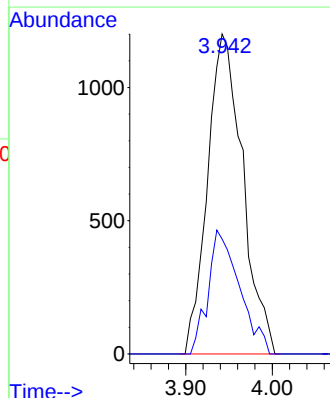
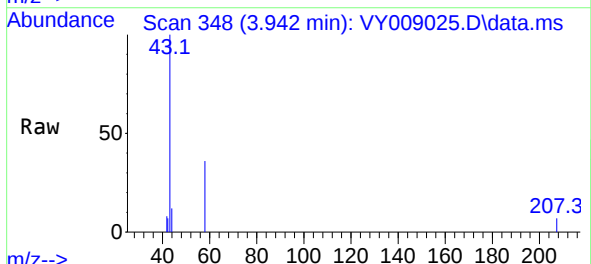
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P035-SS001-0006-01

Tgt Ion:168 Resp: 122684  
Ion Ratio Lower Upper  
168 100  
99 52.0 46.9 70.3



#16  
Acetone  
Concen: 12.879 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. -0.006 min  
Lab File: VY009025.D  
Acq: 23 May 2022 23:16

Tgt Ion: 43 Resp: 3385  
Ion Ratio Lower Upper  
43 100  
58 35.9 22.0 33.0#





#33

1,2-Dichloroethane-d4

Concen: 61.650 ug/l

RT: 8.136 min Scan# 1037

Delta R.T. -0.007 min

Lab File: VY009025.D

Acq: 23 May 2022 23:16

Instrument :

MSVOA\_Y

ClientSampleId :

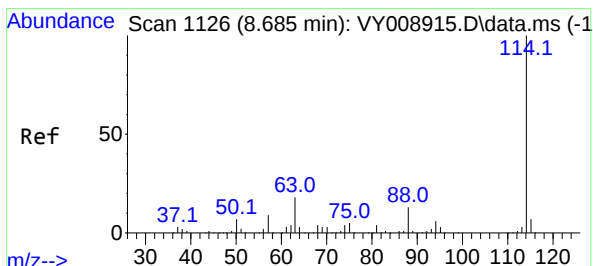
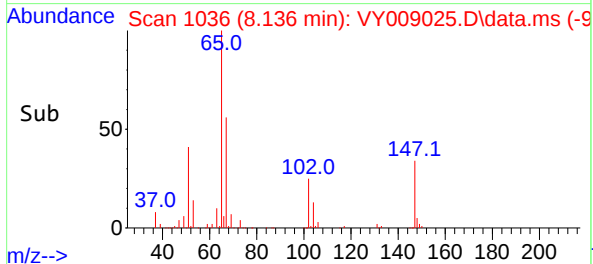
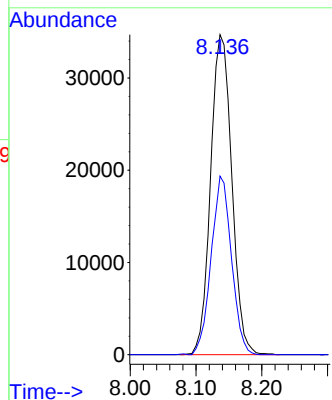
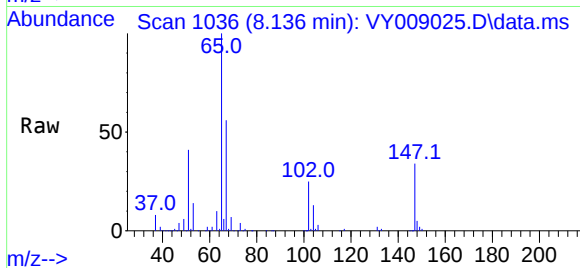
P035-SS001-0006-01

Tgt Ion: 65 Resp: 77842

Ion Ratio Lower Upper

65 100

67 53.4 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009025.D

Acq: 23 May 2022 23:16

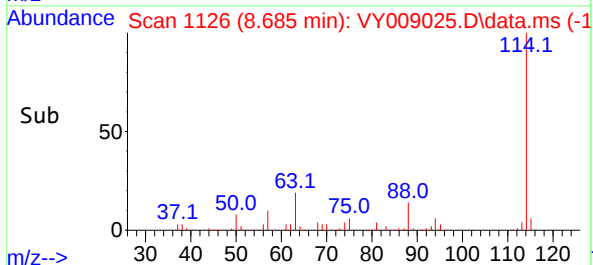
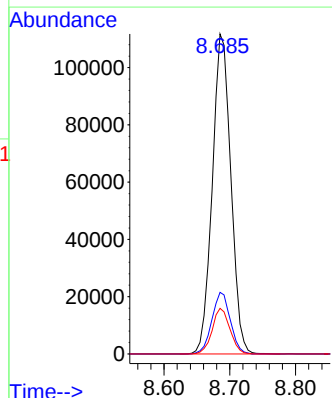
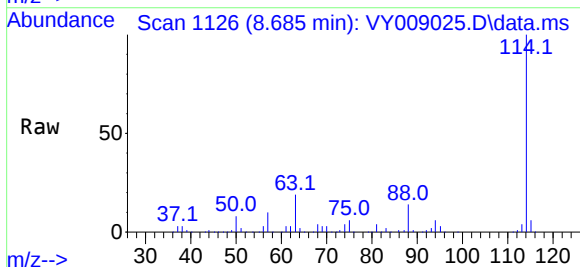
Tgt Ion: 114 Resp: 219122

Ion Ratio Lower Upper

114 100

63 19.2 0.0 43.2

88 14.3 0.0 31.8

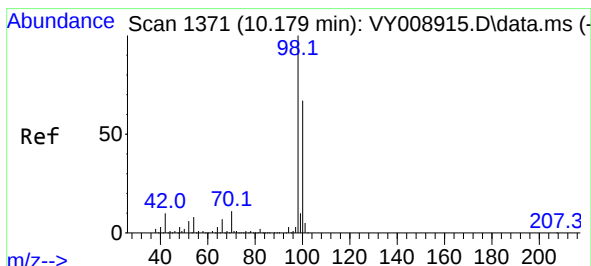
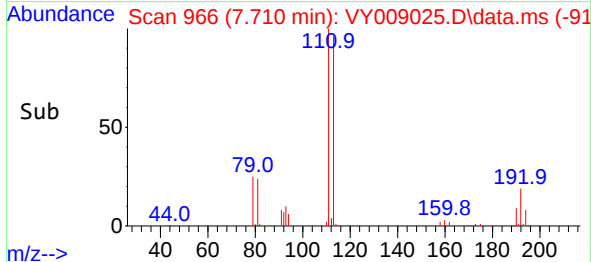
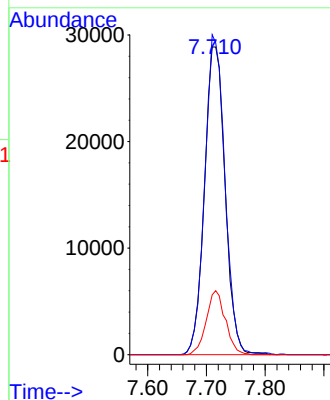
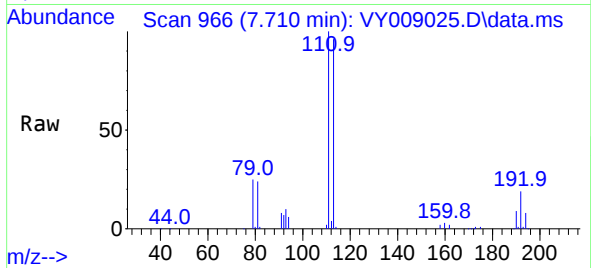




#35  
Dibromofluoromethane  
Concen: 51.745 ug/l  
RT: 7.710 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY009025.D  
Acq: 23 May 2022 23:16

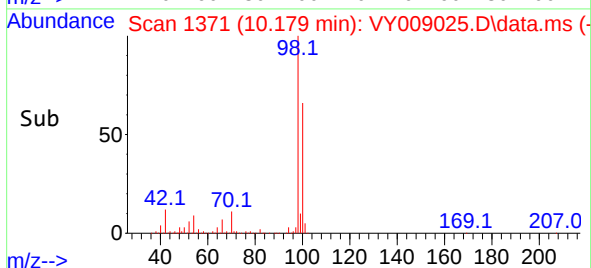
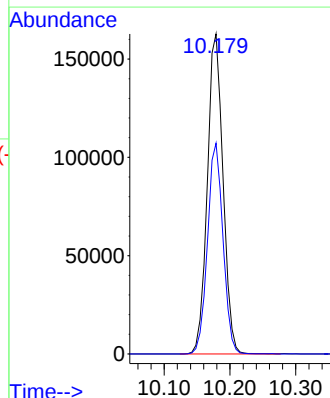
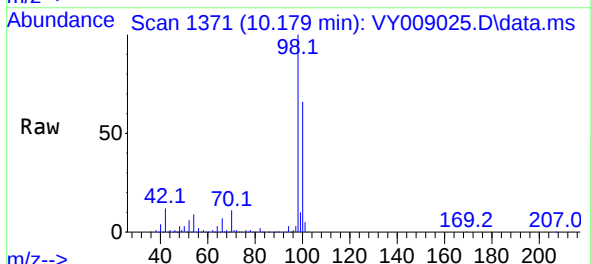
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P035-SS001-0006-01

Tgt Ion:113 Resp: 70507  
Ion Ratio Lower Upper  
113 100  
111 101.7 82.6 124.0  
192 19.3 17.6 26.4



#50  
Toluene-d8  
Concen: 53.753 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY009025.D  
Acq: 23 May 2022 23:16

Tgt Ion: 98 Resp: 270207  
Ion Ratio Lower Upper  
98 100  
100 64.9 50.2 75.2

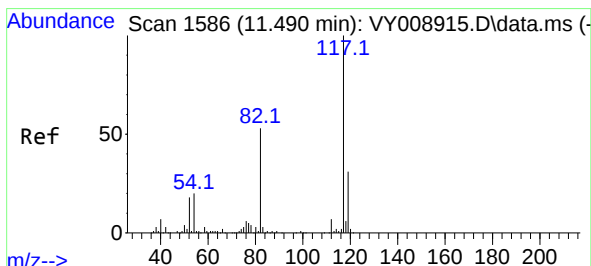
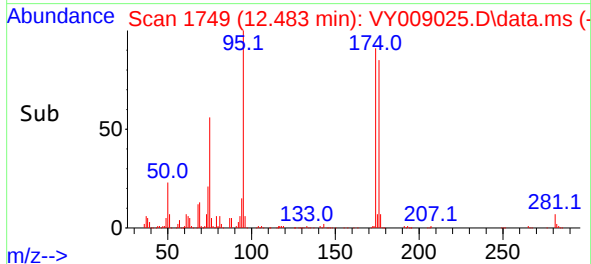
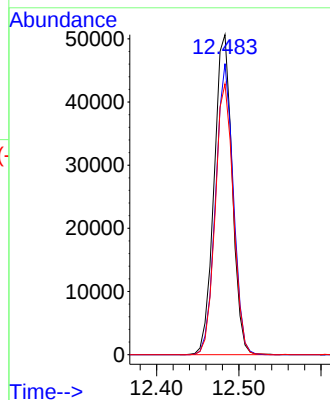
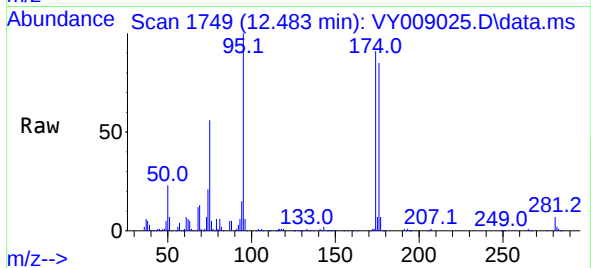




#62  
4-Bromofluorobenzene  
Concen: 38.174 ug/l  
RT: 12.483 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY009025.D  
Acq: 23 May 2022 23:16

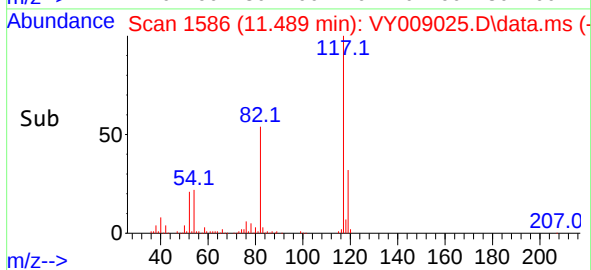
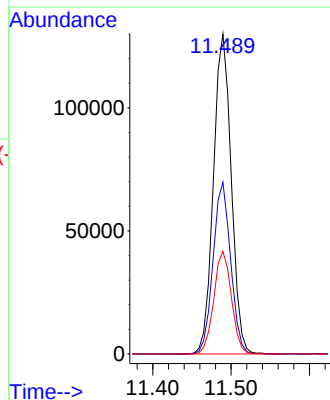
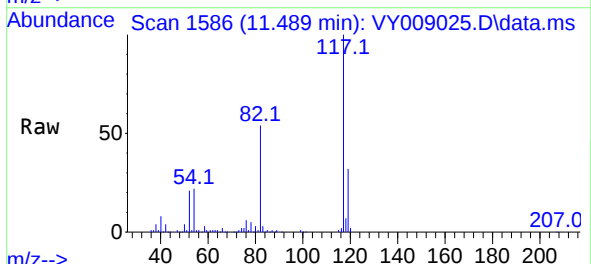
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P035-SS001-0006-01

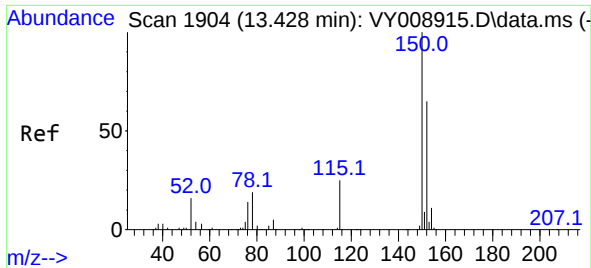
Tgt Ion: 95 Resp: 77407  
Ion Ratio Lower Upper  
95 100  
174 89.0 0.0 177.0  
176 84.7 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.001 min  
Lab File: VY009025.D  
Acq: 23 May 2022 23:16

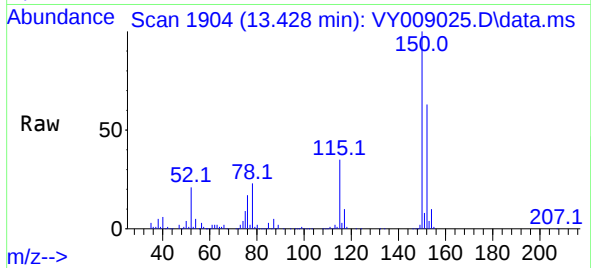
Tgt Ion: 117 Resp: 205113  
Ion Ratio Lower Upper  
117 100  
82 53.6 43.0 64.4  
119 32.0 25.4 38.0





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. 0.000 min  
 Lab File: VY009025.D  
 Acq: 23 May 2022 23:16

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 P035-SS001-0006-01



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 82154 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 115       | 57.1  | 28.2  | 84.7  |
| 150       | 160.1 | 0.0   | 347.6 |

