

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY010323\  
 Data File : VY012047.D  
 Acq On : 03 Jan 2023 15:22  
 Operator : KP/MD  
 Sample : 01001-04  
 Misc : 5.62g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-C3

Quant Time: Jan 04 01:18:55 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y122022S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 20 12:37:37 2022  
 Response via : Initial Calibration

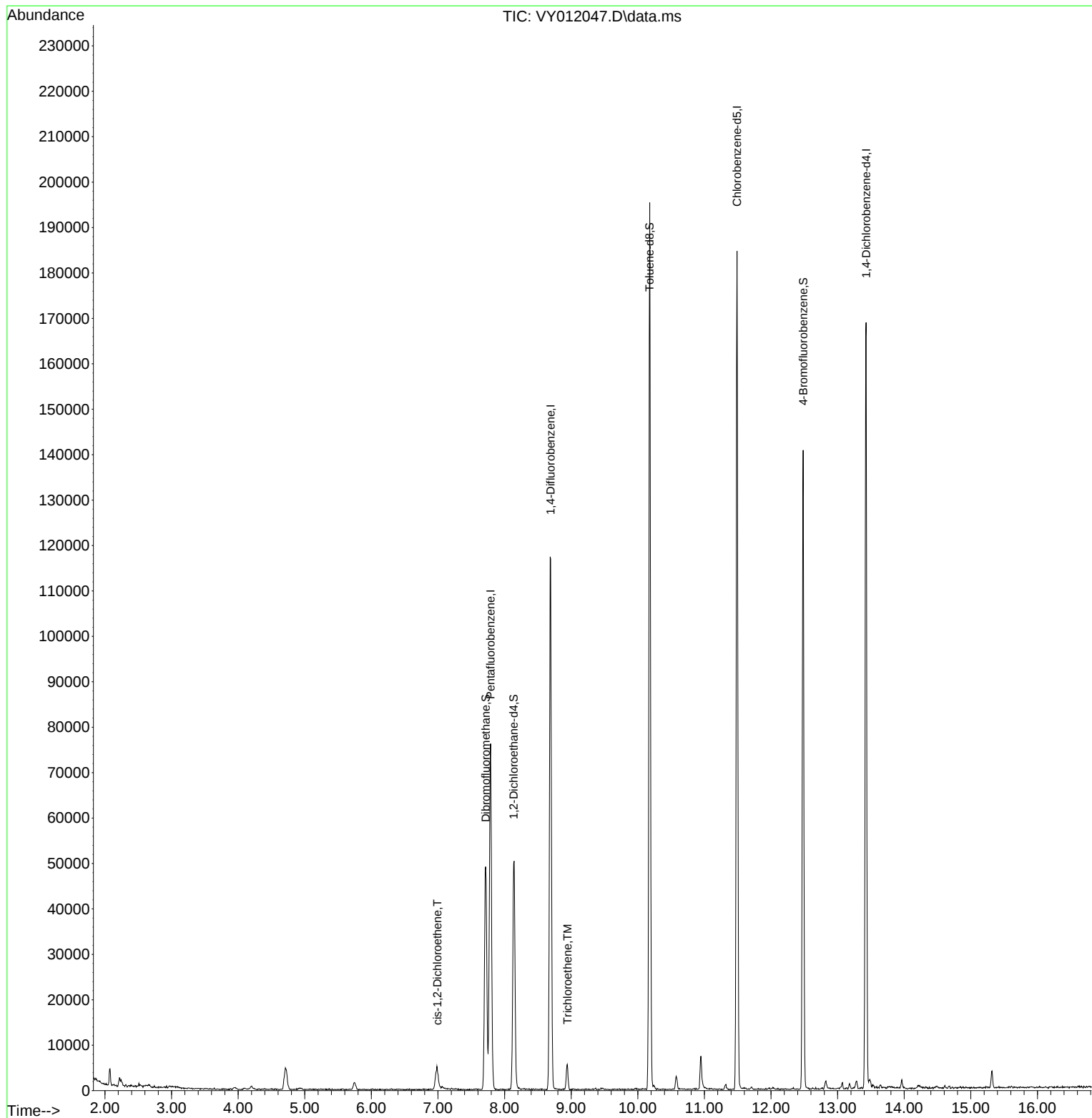
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.789  | 168   | 60061    | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 105205   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 103131   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 47535    | 50.000   | ug/l  | 0.00     |
|                             |        |       |          |          |       |          |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 42509    | 70.251   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 140.500% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 35324    | 55.772   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 111.540% |
| 50) Toluene-d8              | 10.179 | 98    | 126086   | 49.066   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 98.140%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 41544    | 48.070   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 96.140%  |
|                             |        |       |          |          |       |          |
| Target Compounds            |        |       |          |          |       | Qvalue   |
| 27) cis-1,2-Dichloroethene  | 6.990  | 96    | 1266     | 1.813    | ug/l  | 95       |
| 44) Trichloroethene         | 8.947  | 130   | 2169     | 2.647    | ug/l  | 67       |
| -----                       |        |       |          |          |       |          |

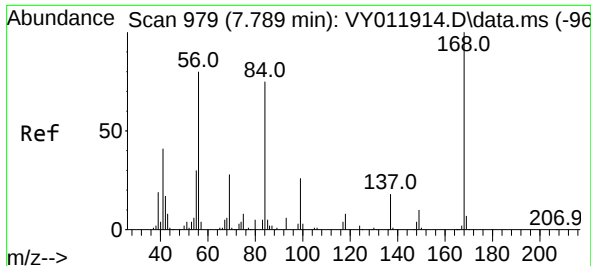
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 03 Jan 2023 15:22  
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Sample : 01001-04  
Misc : 5.62g/5.0mL/MSVOA\_Y/SOIL  
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Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-C3

Quant Time: Jan 04 01:18:55 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y122022S.M  
Quant Title : SW846 8260  
QLast Update : Tue Dec 20 12:37:37 2022  
Response via : Initial Calibration

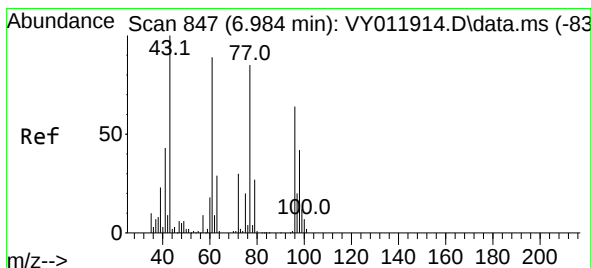
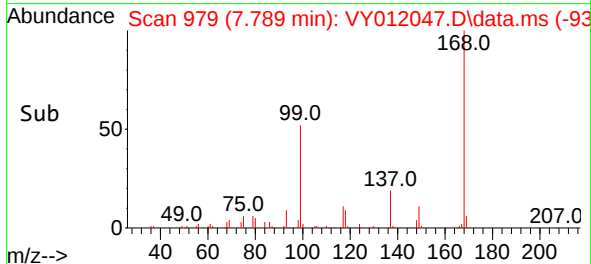
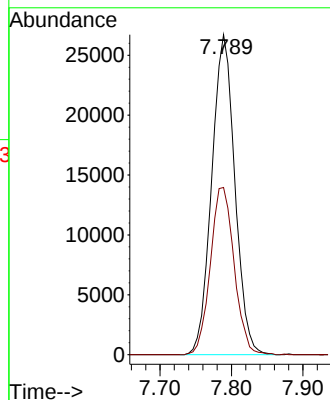
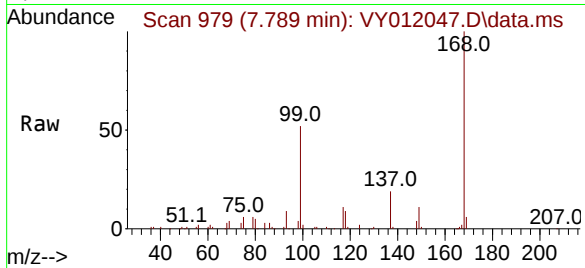




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY012047.D  
Acq: 03 Jan 2023 15:22

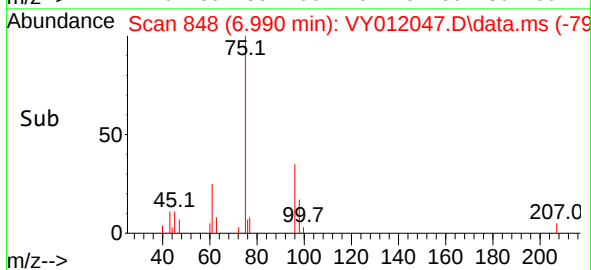
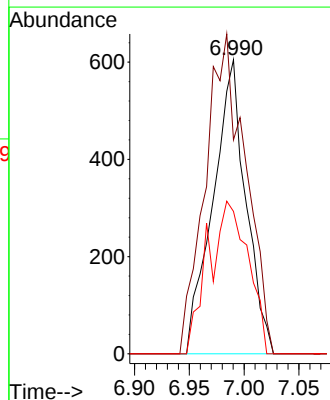
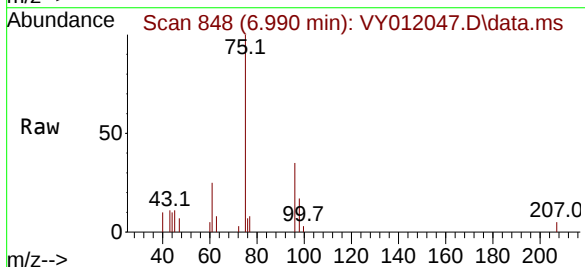
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-C3

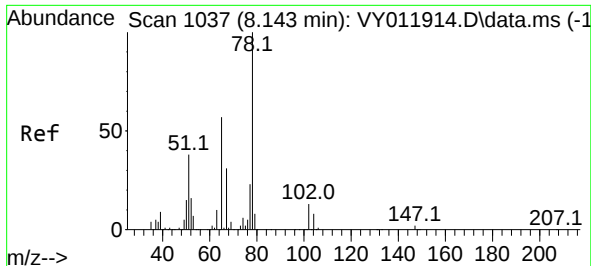
Tgt Ion:168 Resp: 60061  
Ion Ratio Lower Upper  
168 100  
99 52.3 44.0 66.0



#27  
cis-1,2-Dichloroethene  
Concen: 1.813 ug/l  
RT: 6.990 min Scan# 848  
Delta R.T. 0.006 min  
Lab File: VY012047.D  
Acq: 03 Jan 2023 15:22

Tgt Ion: 96 Resp: 1266  
Ion Ratio Lower Upper  
96 100  
61 132.9 0.0 283.4  
98 62.9 0.0 127.6





#33

1,2-Dichloroethane-d4

Concen: 70.251 ug/l

RT: 8.136 min Scan# 1

Delta R.T. -0.007 min

Lab File: VY012047.D

Acq: 03 Jan 2023 15:22

Instrument :

MSVOA\_Y

ClientSampleId :

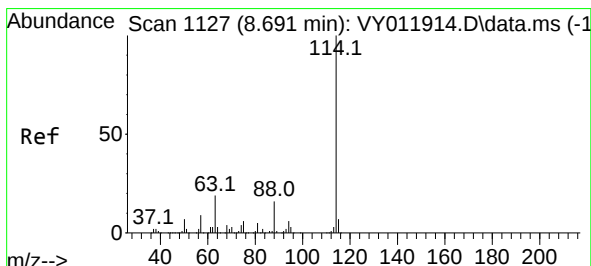
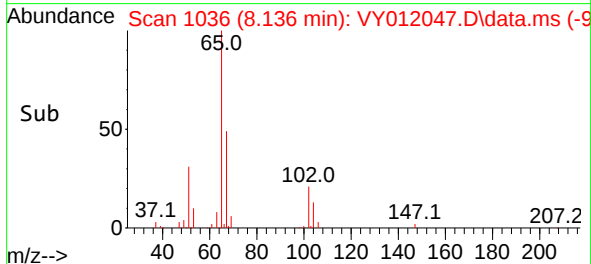
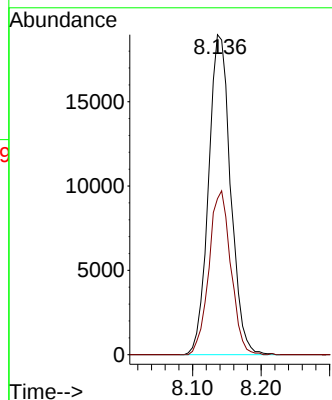
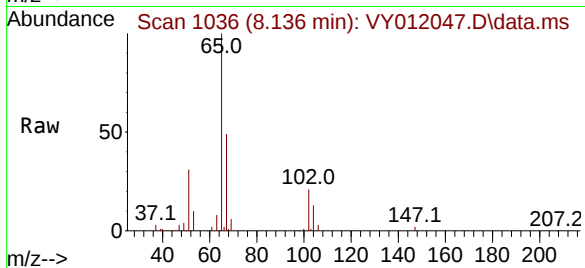
TP-C3

Tgt Ion: 65 Resp: 42509

Ion Ratio Lower Upper

65 100

67 50.7 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012047.D

Acq: 03 Jan 2023 15:22

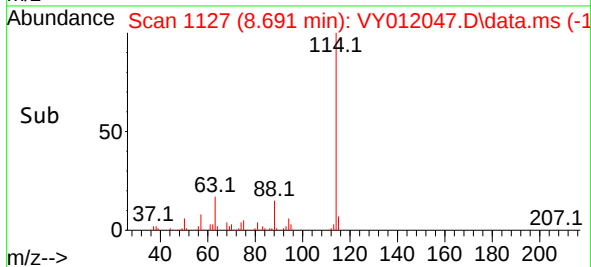
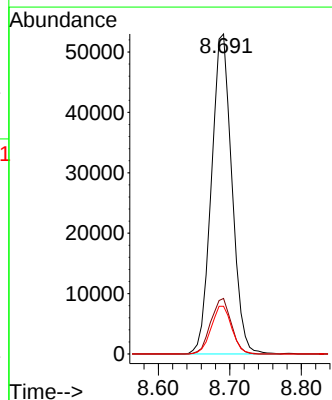
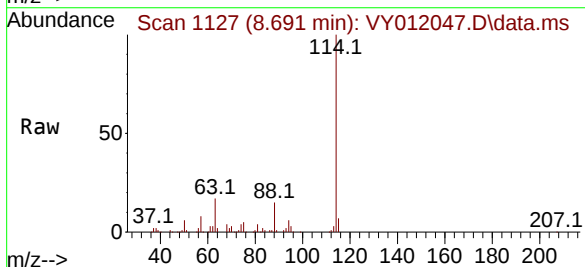
Tgt Ion: 114 Resp: 105205

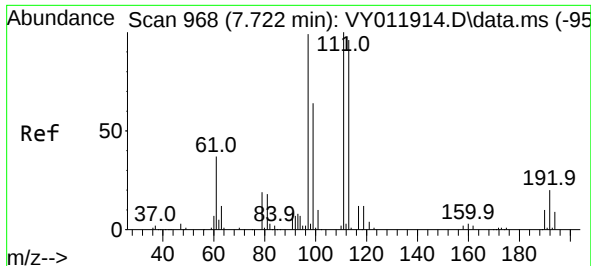
Ion Ratio Lower Upper

114 100

63 17.4 0.0 39.6

88 14.9 0.0 32.2



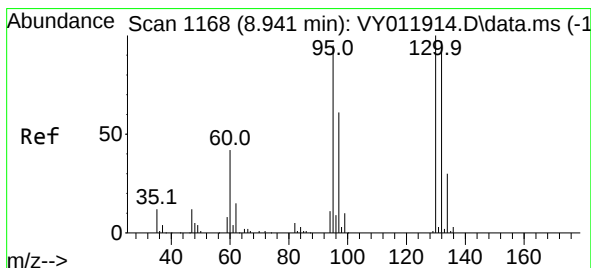
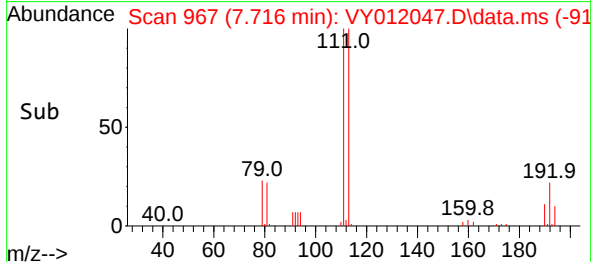
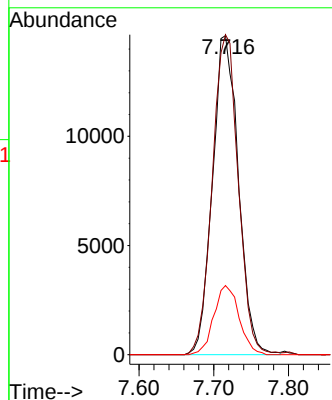
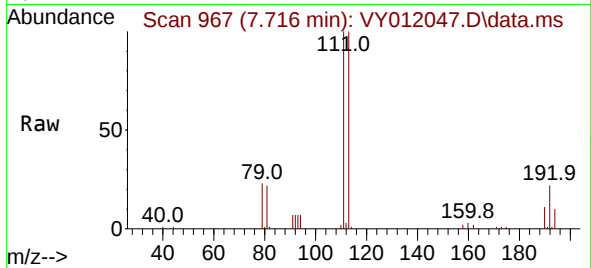


#35  
 Dibromofluoromethane  
 Concen: 55.772 ug/l  
 RT: 7.716 min Scan# 91  
 Delta R.T. -0.000 min  
 Lab File: VY012047.D  
 Acq: 03 Jan 2023 15:22

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-C3

Tgt Ion:113 Resp: 35324

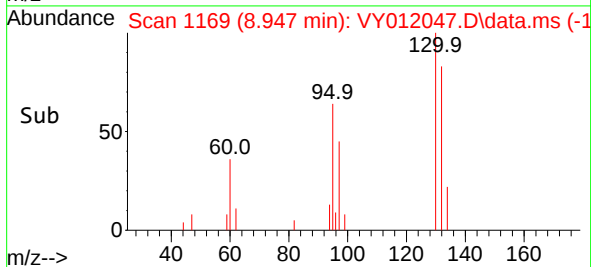
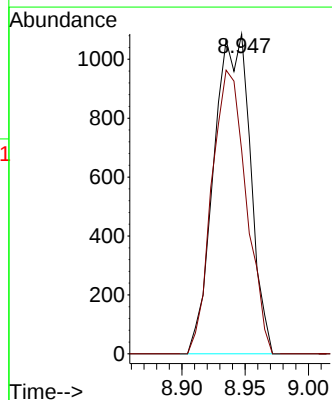
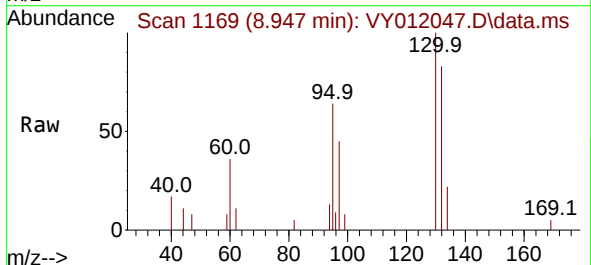
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 100.4 | 83.0  | 124.4 |
| 192 | 21.1  | 16.0  | 24.0  |

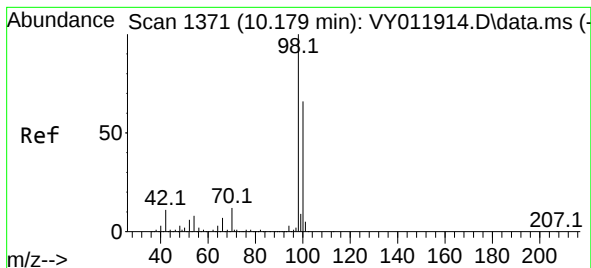


#44  
 Trichloroethene  
 Concen: 2.647 ug/l  
 RT: 8.947 min Scan# 1169  
 Delta R.T. 0.006 min  
 Lab File: VY012047.D  
 Acq: 03 Jan 2023 15:22

Tgt Ion:130 Resp: 2169

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 130 | 100   |       |       |
| 95  | 63.6  | 0.0   | 190.6 |





#50

Toluene-d8

Concen: 49.066 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY012047.D

Acq: 03 Jan 2023 15:22

Instrument :

MSVOA\_Y

ClientSampleId :

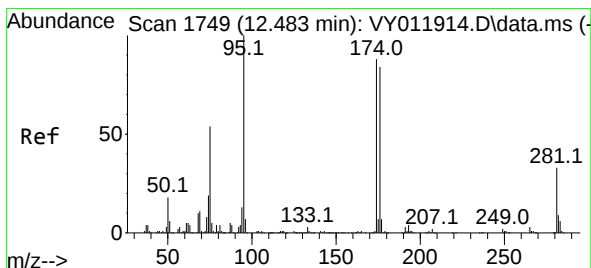
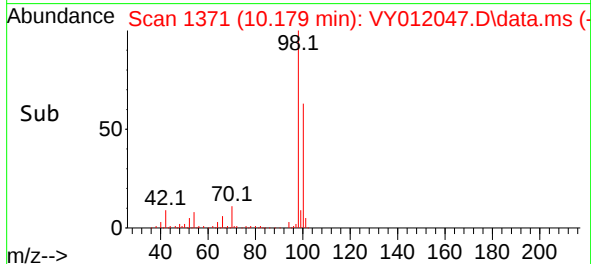
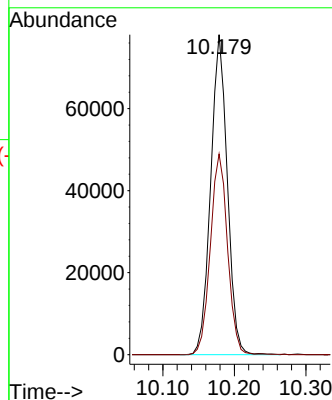
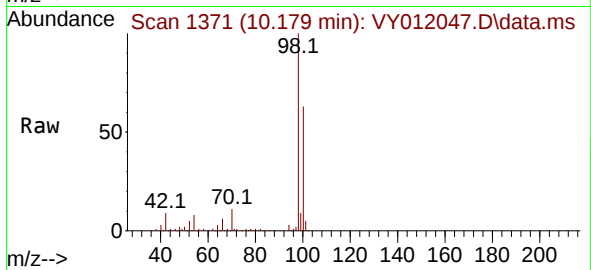
TP-C3

Tgt Ion: 98 Resp: 126086

Ion Ratio Lower Upper

98 100

100 64.7 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 48.070 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY012047.D

Acq: 03 Jan 2023 15:22

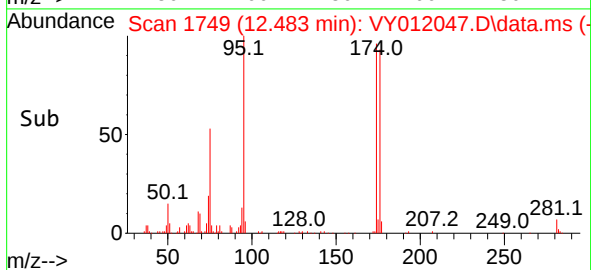
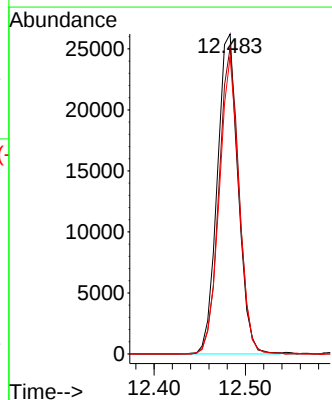
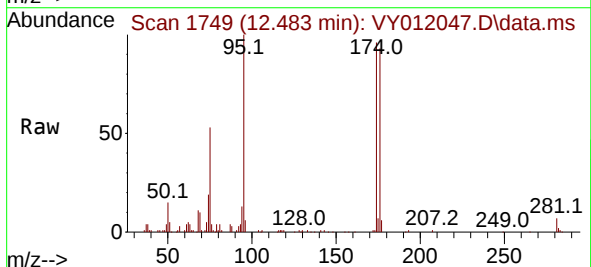
Tgt Ion: 95 Resp: 41544

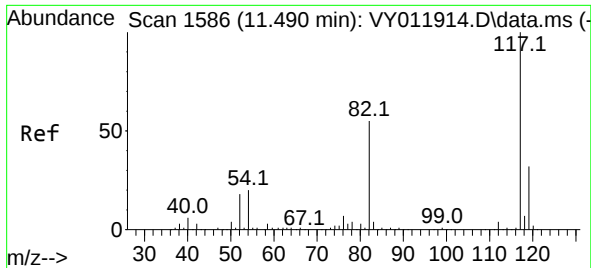
Ion Ratio Lower Upper

95 100

174 92.2 0.0 172.0

176 88.2 0.0 167.6

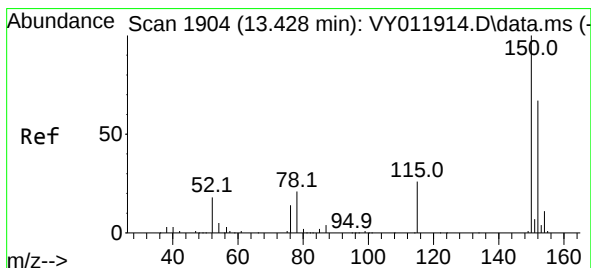
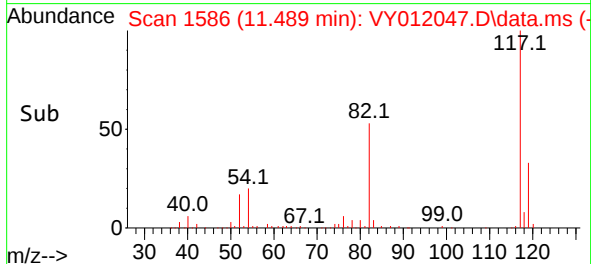
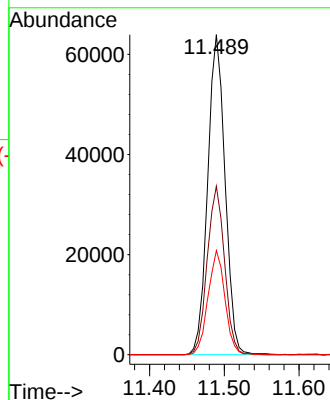
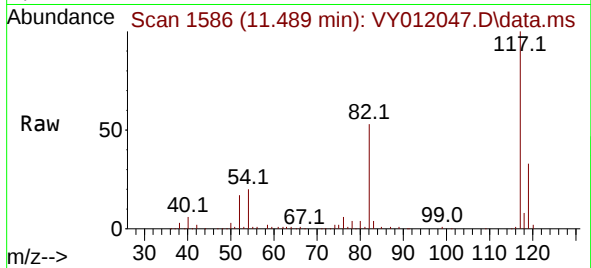




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY012047.D  
Acq: 03 Jan 2023 15:22

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-C3

Tgt Ion:117 Resp: 103131  
Ion Ratio Lower Upper  
117 100  
82 52.6 44.8 67.2  
119 32.6 25.4 38.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY012047.D  
Acq: 03 Jan 2023 15:22

Tgt Ion:152 Resp: 47535  
Ion Ratio Lower Upper  
152 100  
115 56.5 29.1 87.3  
150 155.2 0.0 342.6

