

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY111423\  
 Data File : VY016343.D  
 Acq On : 14 Nov 2023 12:58  
 Operator : SY/MD  
 Sample : 05384-01  
 Misc : 5.04g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Nov 14 19:02:27 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110823S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 09 00:45:52 2023  
 Response via : Initial Calibration

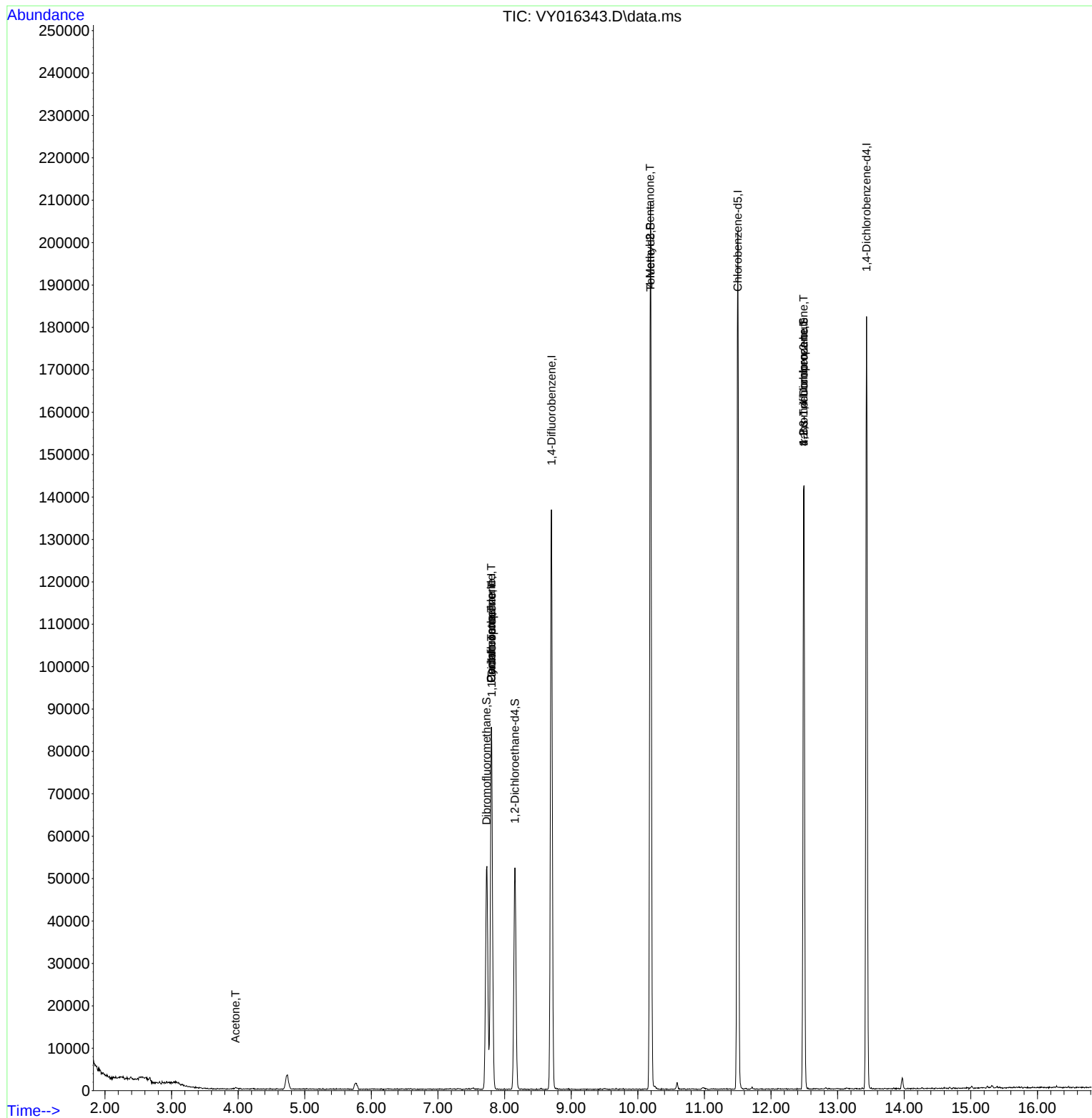
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.801  | 168   | 66875    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.703  | 114   | 118694   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.502 | 117   | 109994   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.434 | 152   | 48326    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.155  | 65    | 41676    | 68.186   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | = 136.380% |          |
| 35) Dibromofluoromethane      | 7.728  | 113   | 38361    | 56.894   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | = 113.780% |          |
| 50) Toluene-d8                | 10.191 | 98    | 139226   | 50.919   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery | = 101.840% |          |
| 62) 4-Bromofluorobenzene      | 12.489 | 95    | 46405    | 52.255   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery | = 104.520% |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 16) Acetone                   | 3.960  | 43    | 350      | 3.462    | ug/l #     | 48       |
| 31) Cyclohexane               | 7.801  | 56    | 1288     | 1.070    | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.807  | 75    | 4920     | 4.202    | ug/l #     | 46       |
| 38) Carbon Tetrachloride      | 7.801  | 117   | 6616     | 5.445    | ug/l #     | 17       |
| 51) 4-Methyl-2-Pentanone      | 10.185 | 43    | 601      | 1.300    | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 12.489 | 75    | 23590    | 50.886   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.489 | 75    | 23590    | 110.452  | ug/l #     | 11       |
| -----                         |        |       |          |          |            |          |

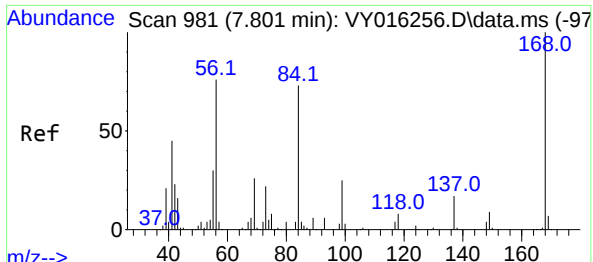
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : 05384-01  
Misc : 5.04g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

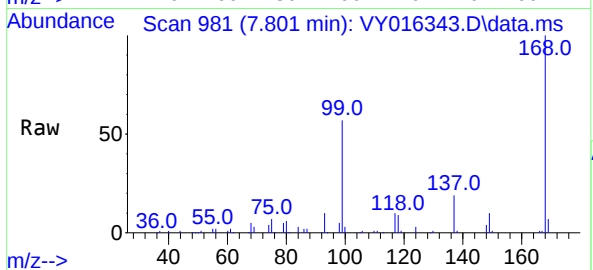
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110823S.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 09 00:45:52 2023  
Response via : Initial Calibration



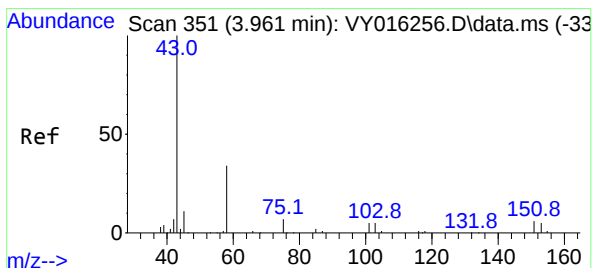
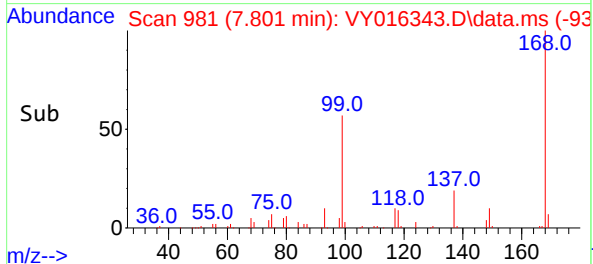
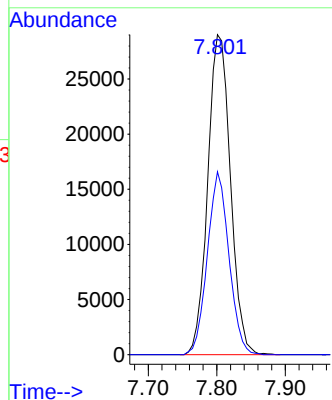


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. -0.000 min  
Lab File: VY016343.D  
Acq: 14 Nov 2023 12:58

Instrument :  
MSVOA\_Y  
ClientSampleId :

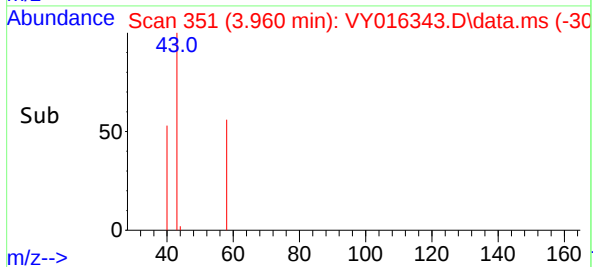
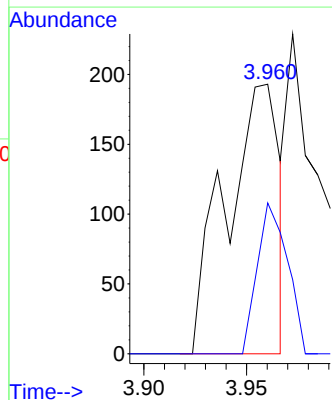
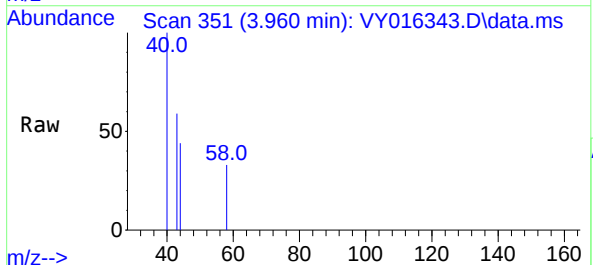


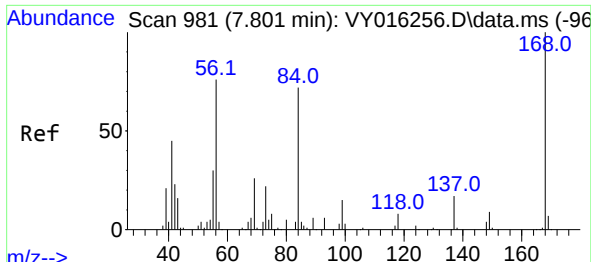
Tgt Ion:168 Resp: 66875  
Ion Ratio Lower Upper  
168 100  
99 57.1 43.4 65.0



#16  
Acetone  
Concen: 3.462 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. -0.000 min  
Lab File: VY016343.D  
Acq: 14 Nov 2023 12:58

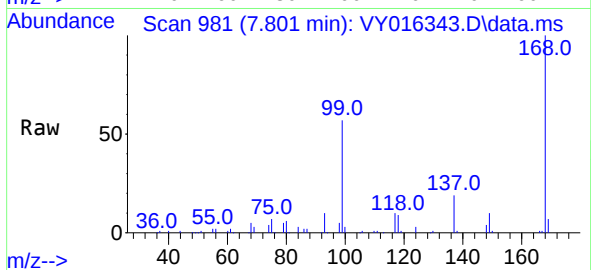
Tgt Ion: 43 Resp: 350  
Ion Ratio Lower Upper  
43 100  
58 56.0 22.7 34.1#



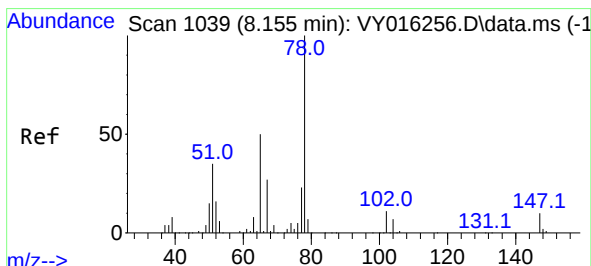
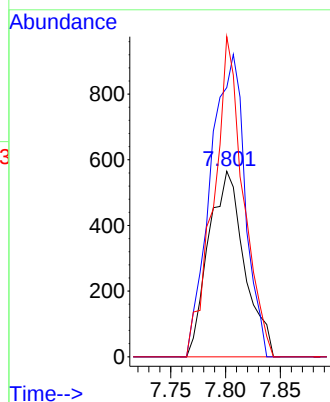
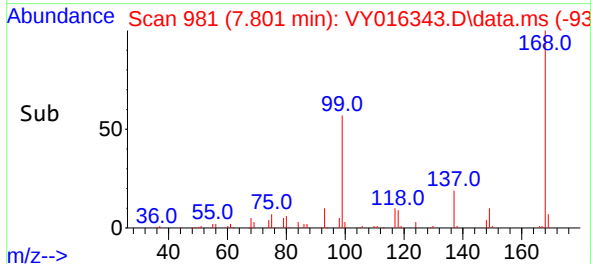


#31  
Cyclohexane  
Concen: 1.070 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. -0.000 min  
Lab File: VY016343.D  
Acq: 14 Nov 2023 12:58

Instrument :  
MSVOA\_Y  
ClientSampleId :

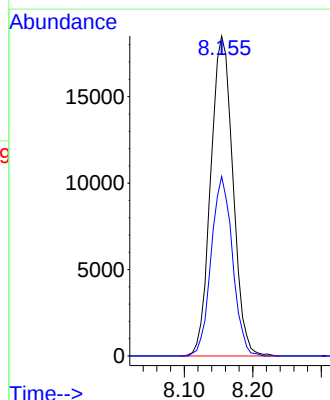
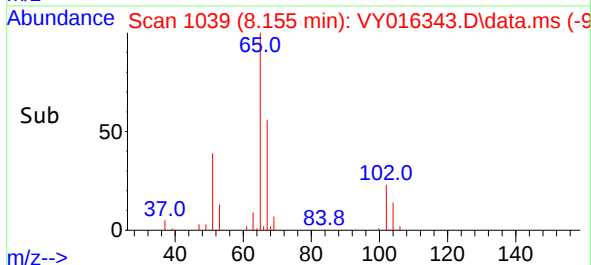
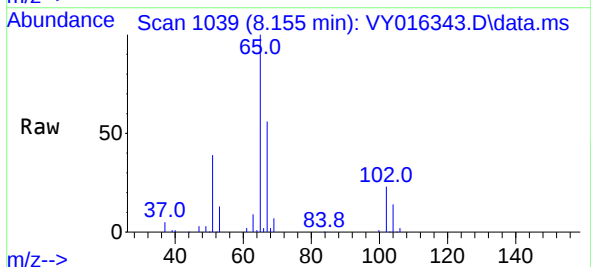


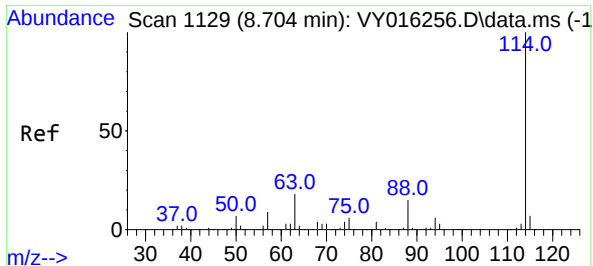
Tgt Ion: 56 Resp: 1288  
Ion Ratio Lower Upper  
56 100  
69 145.1 27.8 41.6#  
84 172.6 66.4 99.6#



#33  
1,2-Dichloroethane-d4  
Concen: 68.186 ug/l  
RT: 8.155 min Scan# 1039  
Delta R.T. -0.000 min  
Lab File: VY016343.D  
Acq: 14 Nov 2023 12:58

Tgt Ion: 65 Resp: 41676  
Ion Ratio Lower Upper  
65 100  
67 53.9 0.0 101.8

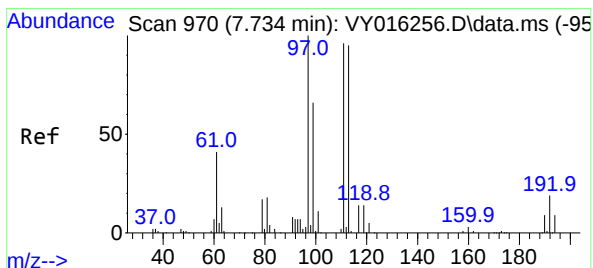
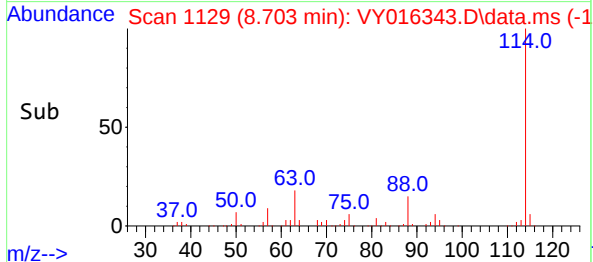
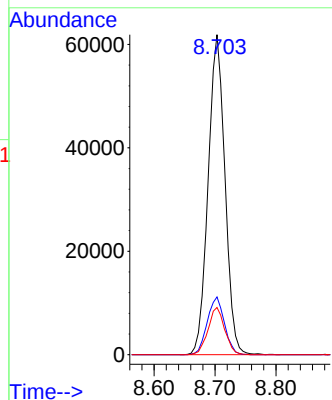
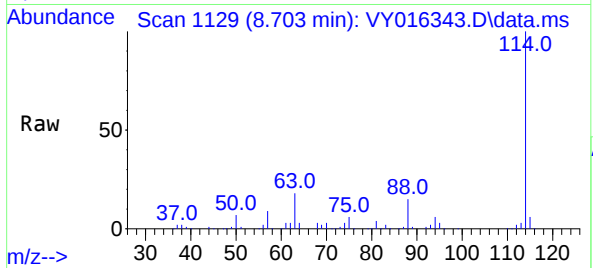




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.703 min Scan# 1129  
Delta R.T. -0.000 min  
Lab File: VY016343.D  
Acq: 14 Nov 2023 12:58

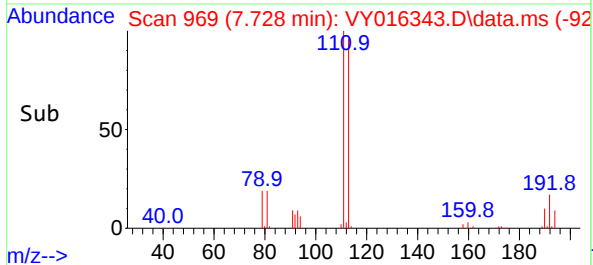
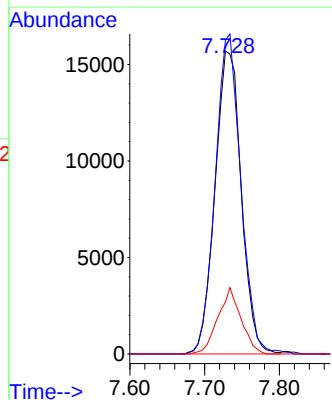
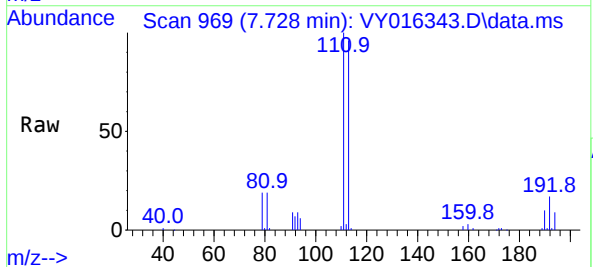
Instrument :  
MSVOA\_Y  
ClientSampleId :

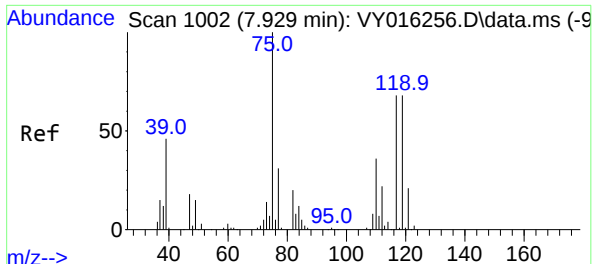
Tgt Ion:114 Resp: 118694  
Ion Ratio Lower Upper  
114 100  
63 18.1 0.0 42.4  
88 14.8 0.0 30.6



#35  
Dibromofluoromethane  
Concen: 56.894 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. -0.006 min  
Lab File: VY016343.D  
Acq: 14 Nov 2023 12:58

Tgt Ion:113 Resp: 38361  
Ion Ratio Lower Upper  
113 100  
111 103.2 81.3 121.9  
192 19.2 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.202 ug/l

RT: 7.807 min Scan# 9

Delta R.T. -0.122 min

Lab File: VY016343.D

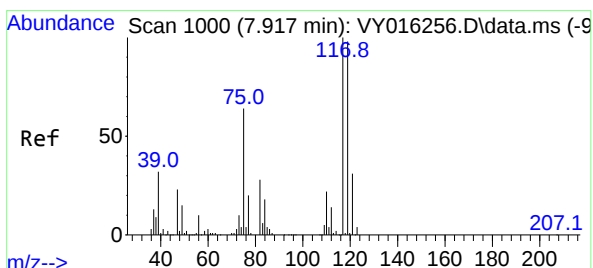
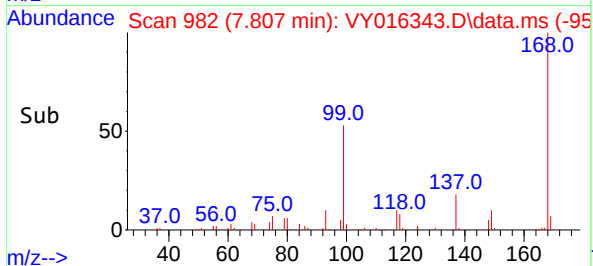
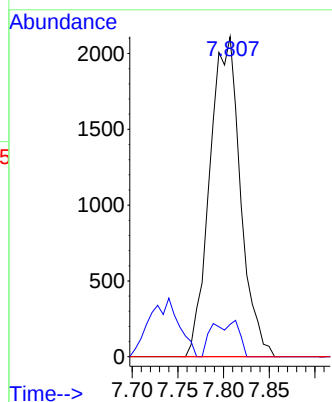
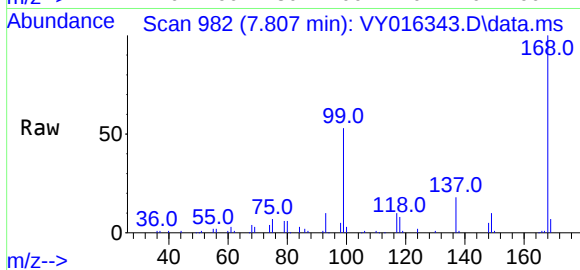
Acq: 14 Nov 2023 12:58

Instrument :

MSVOA\_Y

ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tgt Ion: 75 | Resp: | 4920       |
| Ion Ratio   | Lower | Upper      |
| 75          | 100   |            |
| 110         | 5.5   | 17.8 53.5# |
| 77          | 0.0   | 24.4 36.6# |



#38

Carbon Tetrachloride

Concen: 5.445 ug/l

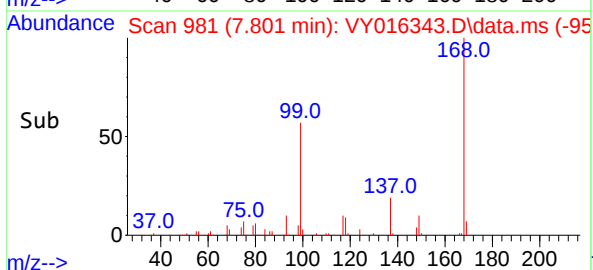
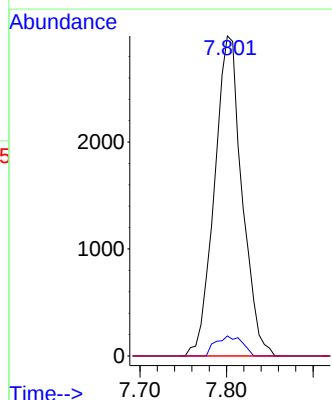
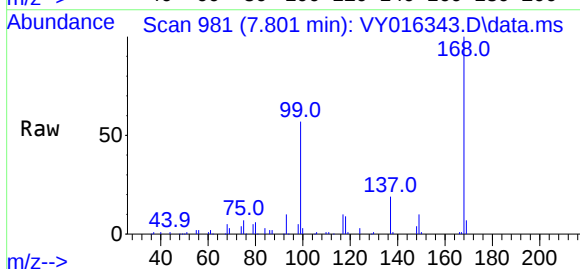
RT: 7.801 min Scan# 981

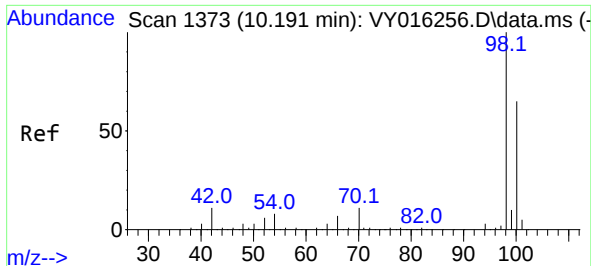
Delta R.T. -0.116 min

Lab File: VY016343.D

Acq: 14 Nov 2023 12:58

|              |       |             |
|--------------|-------|-------------|
| Tgt Ion: 117 | Resp: | 6616        |
| Ion Ratio    | Lower | Upper       |
| 117          | 100   |             |
| 119          | 6.3   | 76.4 114.6# |
| 121          | 0.0   | 25.8 38.6#  |

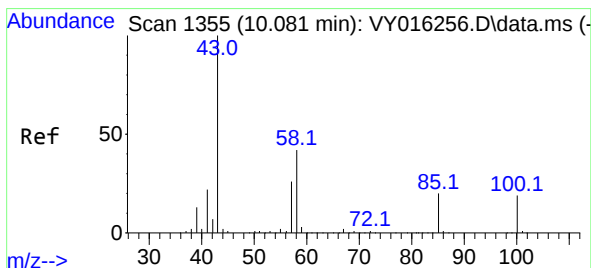
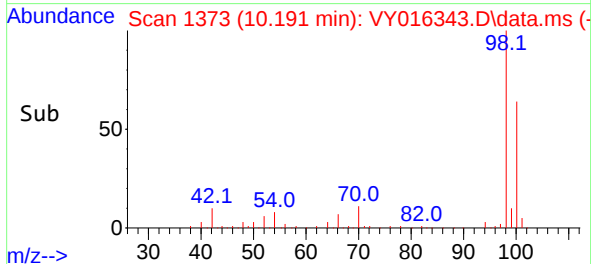
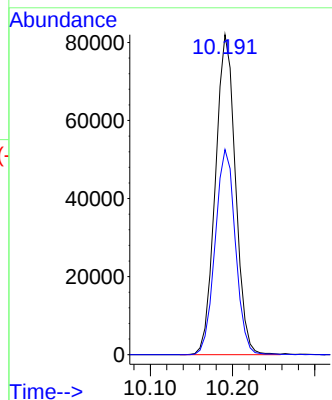
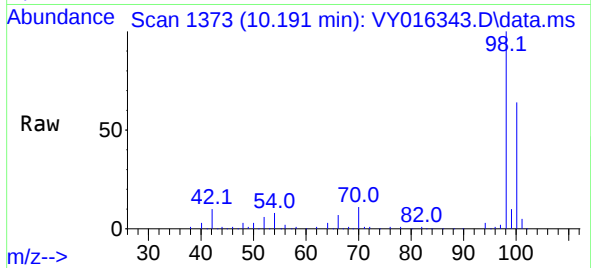




#50  
Toluene-d8  
Concen: 50.919 ug/l  
RT: 10.191 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY016343.D  
Acq: 14 Nov 2023 12:58

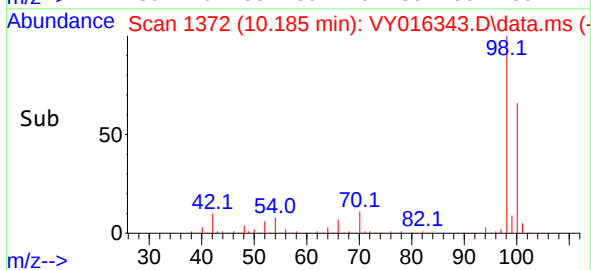
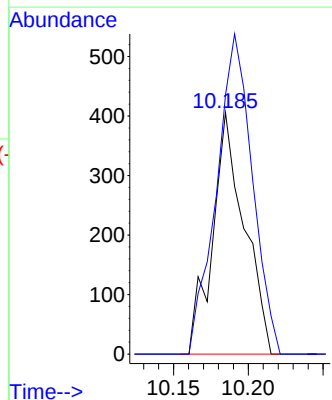
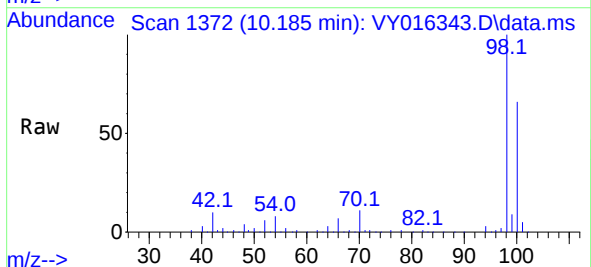
Instrument :  
MSVOA\_Y  
ClientSampleId :

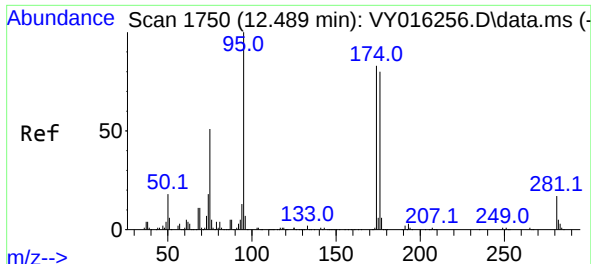
Tgt Ion: 98 Resp: 139226  
Ion Ratio Lower Upper  
98 100  
100 64.6 50.1 75.1



#51  
4-Methyl-2-Pentanone  
Concen: 1.300 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.103 min  
Lab File: VY016343.D  
Acq: 14 Nov 2023 12:58

Tgt Ion: 43 Resp: 601  
Ion Ratio Lower Upper  
43 100  
58 149.3 29.0 43.6#

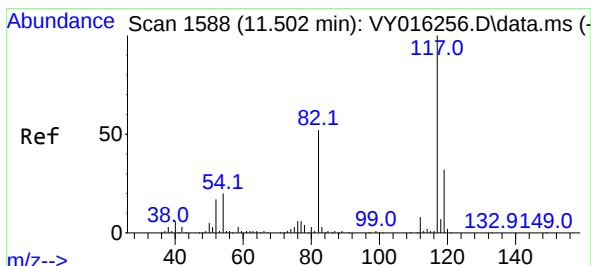
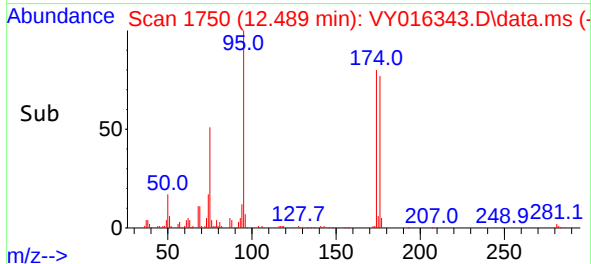
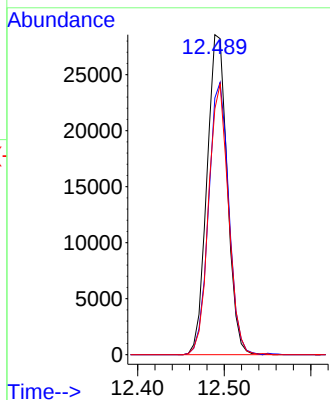
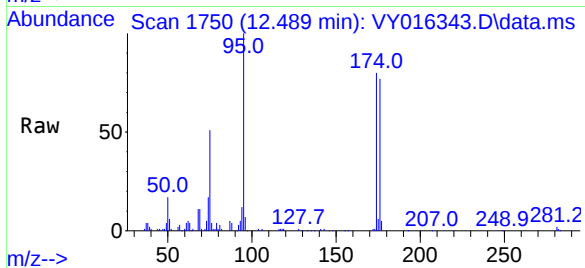




#62  
4-Bromofluorobenzene  
Concen: 52.255 ug/l  
RT: 12.489 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY016343.D  
Acq: 14 Nov 2023 12:58

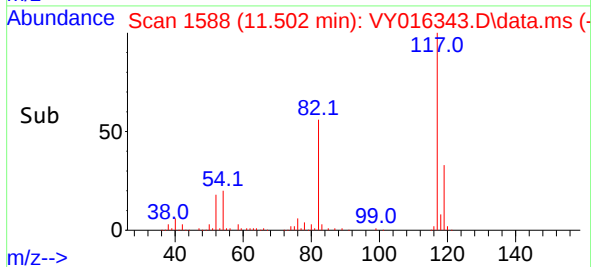
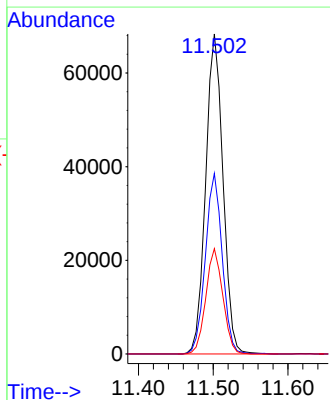
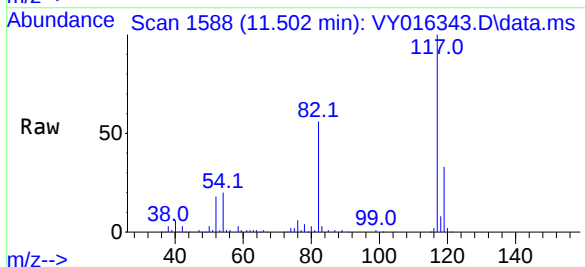
Instrument :  
MSVOA\_Y  
ClientSampleId :

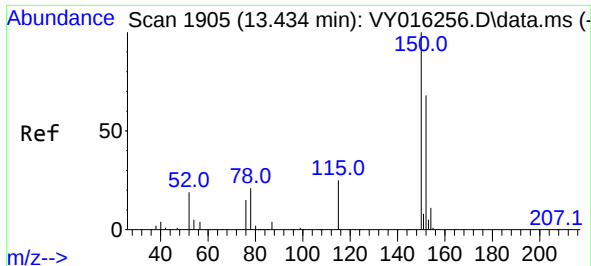
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 46405 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 84.8  | 0.0   | 178.2 |
| 176      | 82.5  | 0.0   | 173.8 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.502 min Scan# 1588  
Delta R.T. -0.000 min  
Lab File: VY016343.D  
Acq: 14 Nov 2023 12:58

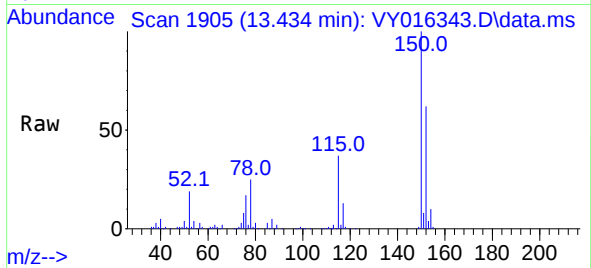
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 109994 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 56.4  | 43.4  | 65.0   |
| 119      | 32.9  | 26.3  | 39.5   |



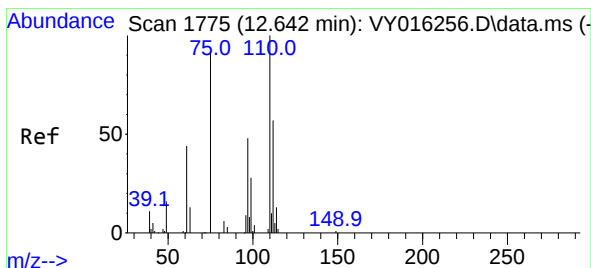
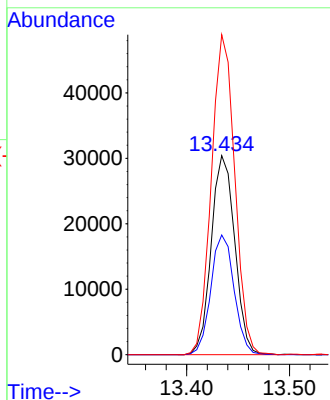
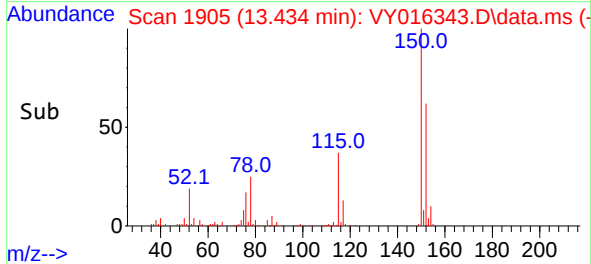


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.434 min Scan# 1905  
 Delta R.T. -0.000 min  
 Lab File: VY016343.D  
 Acq: 14 Nov 2023 12:58

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

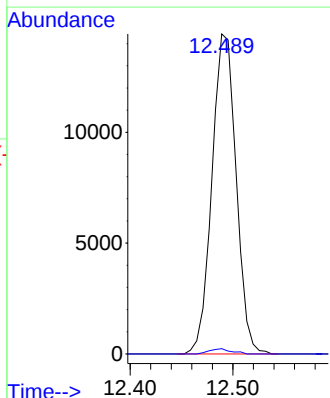
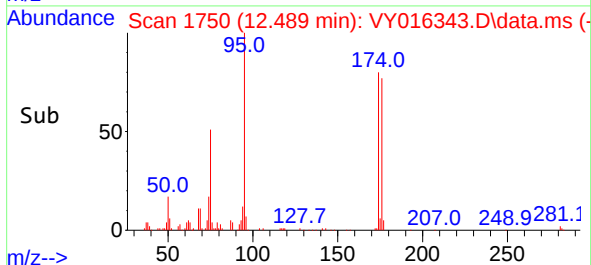
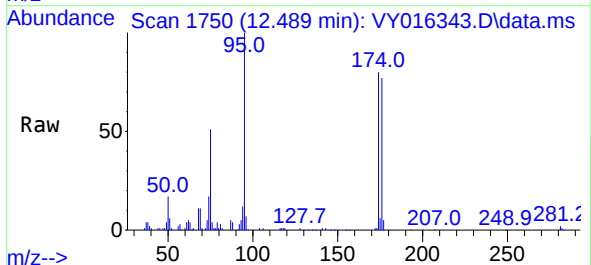


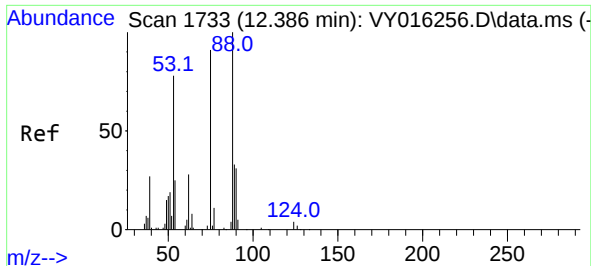
Tgt Ion:152 Resp: 48326  
 Ion Ratio Lower Upper  
 152 100  
 115 59.5 28.8 86.5  
 150 160.1 0.0 348.8



#76  
 1,2,3-Trichloropropane  
 Concen: 50.886 ug/l  
 RT: 12.489 min Scan# 1750  
 Delta R.T. -0.153 min  
 Lab File: VY016343.D  
 Acq: 14 Nov 2023 12:58

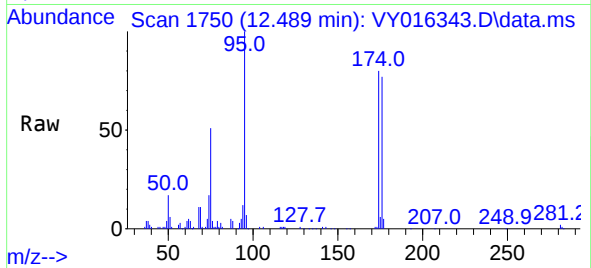
Tgt Ion: 75 Resp: 23590  
 Ion Ratio Lower Upper  
 75 100  
 77 1.5 0.0 0.0#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 110.452 ug/l  
RT: 12.489 min Scan# 11  
Delta R.T. 0.103 min  
Lab File: VY016343.D  
Acq: 14 Nov 2023 12:58

Instrument :  
MSVOA\_Y  
ClientSampleId :



Tgt Ion: 75 Resp: 23590  
Ion Ratio Lower Upper  
75 100  
53 0.0 77.8 116.8#  
89 0.1 37.4 56.0#

