

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060324\  
 Data File : VY018449.D  
 Acq On : 03 Jun 2024 18:44  
 Operator : SY/MD  
 Sample : P2665-02  
 Misc : 5.08g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VOC

Quant Time: Jun 04 05:43:45 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060324S.M  
 Quant Title : Sw846 8260  
 QLast Update : Tue Jun 04 05:38:21 2024  
 Response via : Initial Calibration

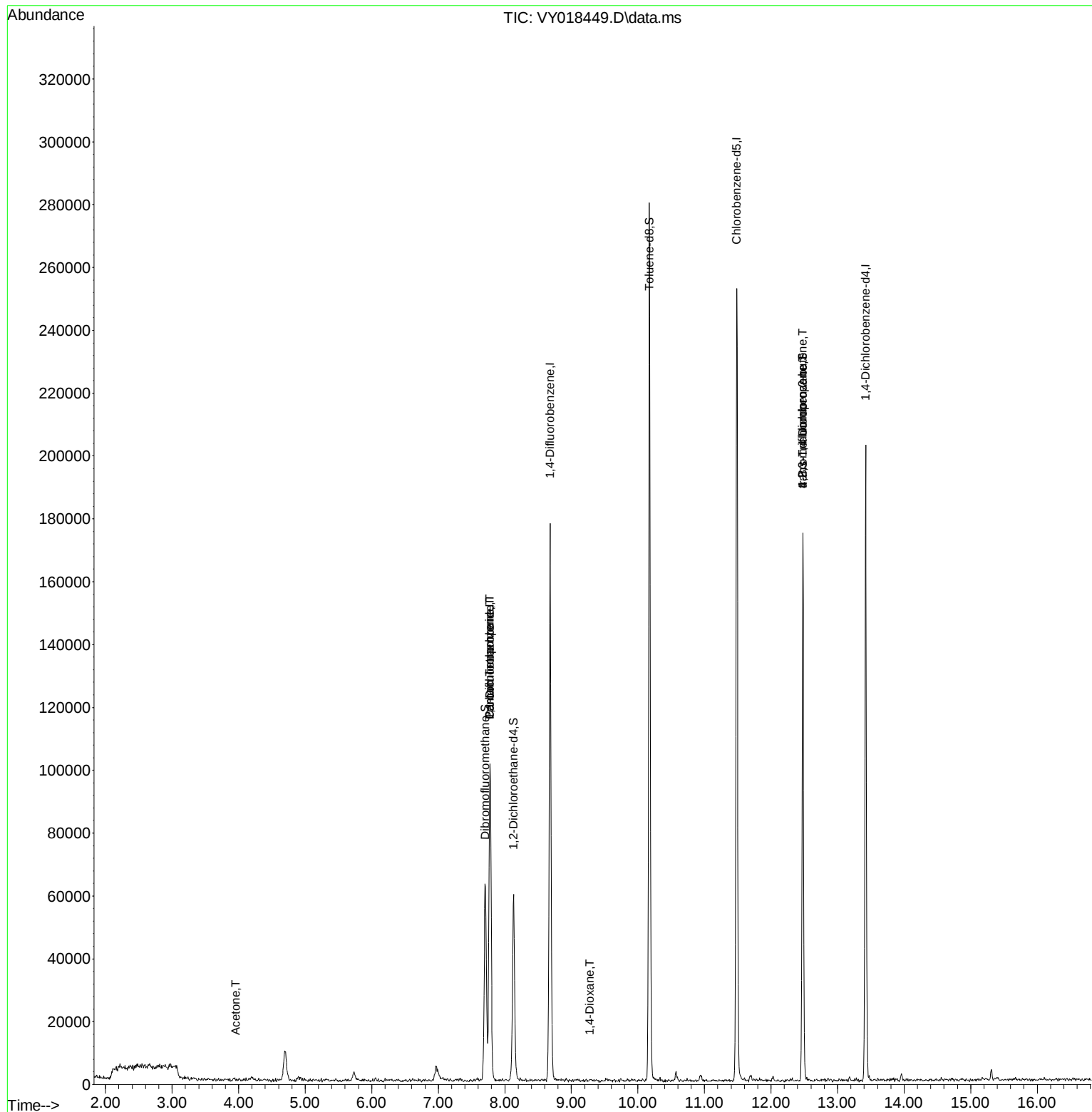
| Compound                      | R.T.     | QIon  | Response | Conc      | Units    | Dev(Min) |
|-------------------------------|----------|-------|----------|-----------|----------|----------|
| -----                         |          |       |          |           |          |          |
| Internal Standards            |          |       |          |           |          |          |
| 1) Pentafluorobenzene         | 7.776    | 168   | 72232    | 50.000    | ug/l     | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.679    | 114   | 145370   | 50.000    | ug/l     | 0.00     |
| 63) Chlorobenzene-d5          | 11.483   | 117   | 131053   | 50.000    | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422   | 152   | 46188    | 50.000    | ug/l     | 0.00     |
| System Monitoring Compounds   |          |       |          |           |          |          |
| 33) 1,2-Dichloroethane-d4     | 8.130    | 65    | 45483    | 32.064    | ug/l     | 0.00     |
| Spiked Amount 50.000          | Range 50 | - 163 | Recovery | =         | 64.120%  |          |
| 35) Dibromofluoromethane      | 7.703    | 113   | 45006    | 24.415    | ug/l     | 0.00     |
| Spiked Amount 50.000          | Range 54 | - 147 | Recovery | =         | 48.820%# |          |
| 50) Toluene-d8                | 10.172   | 98    | 174405   | 23.782    | ug/l     | 0.00     |
| Spiked Amount 50.000          | Range 58 | - 134 | Recovery | =         | 47.560%# |          |
| 62) 4-Bromofluorobenzene      | 12.477   | 95    | 51410    | 22.515    | ug/l     | 0.00     |
| Spiked Amount 50.000          | Range 30 | - 143 | Recovery | =         | 45.040%  |          |
| Target Compounds              |          |       |          |           |          |          |
|                               |          |       |          |           | Qvalue   |          |
| 11) Tert butyl alcohol        | 4.929    | 59    | 397      | Below Cal | #        | 88       |
| 16) Acetone                   | 3.954    | 43    | 712      | 2.261     | ug/l #   | 75       |
| 36) 1,1-Dichloropropene       | 7.776    | 75    | 6610     | 2.352     | ug/l #   | 48       |
| 38) Carbon Tetrachloride      | 7.776    | 117   | 7559     | 2.684     | ug/l #   | 14       |
| 49) 1,4-Dioxane               | 9.276    | 88    | 52       | 3.586     | ug/l #   | 20       |
| 76) 1,2,3-Trichloropropane    | 12.477   | 75    | 28422    | 49.625    | ug/l #   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477   | 75    | 28422    | 104.259   | ug/l #   | 16       |
| -----                         |          |       |          |           |          |          |

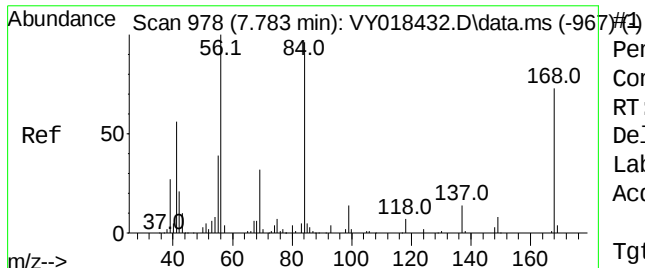
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 04 05:43:45 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060324S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jun 04 05:38:21 2024  
Response via : Initial Calibration





Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.776 min Scan# 350

Delta R.T. -0.007 min

Lab File: VY018449.D

Acq: 03 Jun 2024 18:44

Instrument :

MSVOA\_Y

ClientSampleId :

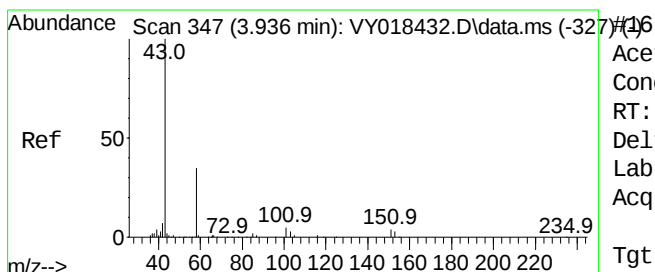
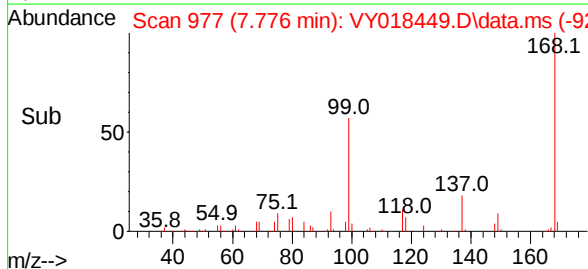
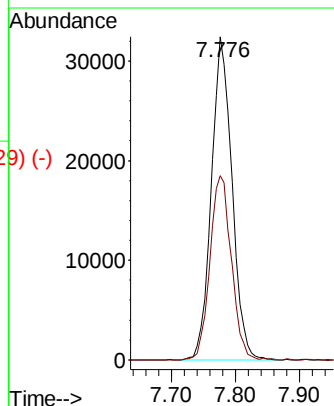
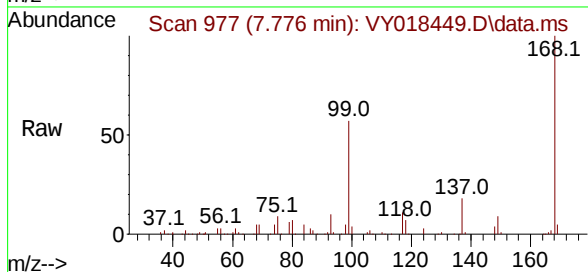
VOC

Tgt Ion:168 Resp: 72232

Ion Ratio Lower Upper

168 100

99 57.0 39.1 58.7



Acetone

Concen: 2.261 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.018 min

Lab File: VY018449.D

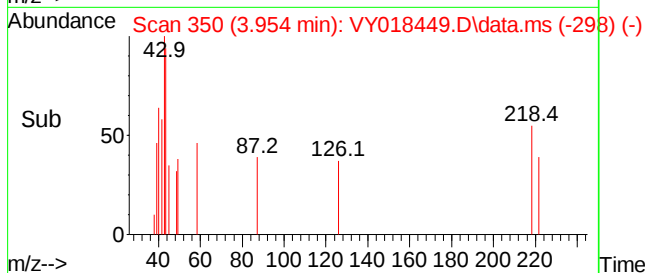
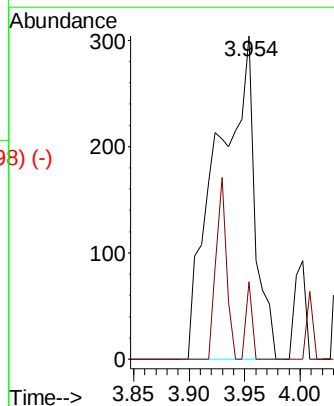
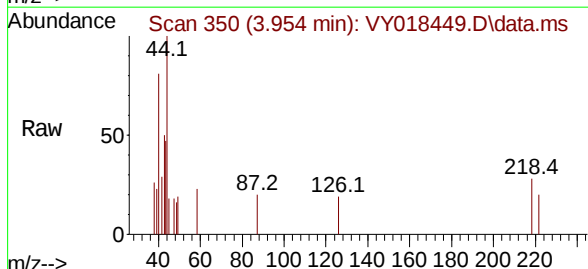
Acq: 03 Jun 2024 18:44

Tgt Ion: 43 Resp: 712

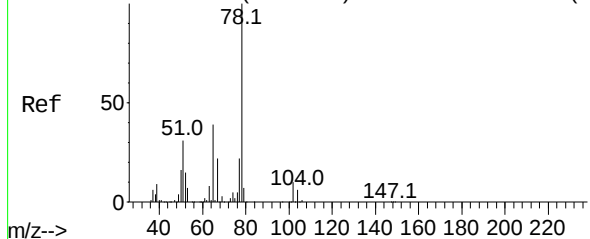
Ion Ratio Lower Upper

43 100

58 24.0 31.7 47.5#



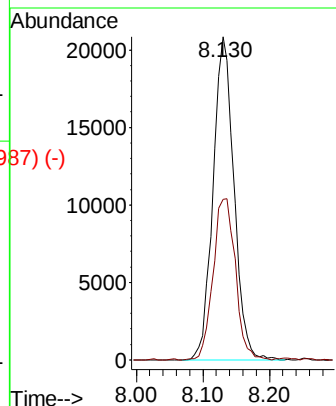
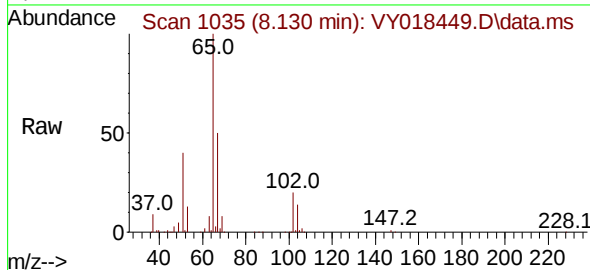
Abundance Scan 1036 (8.136 min): VY018432.D\data.ms (-10253)



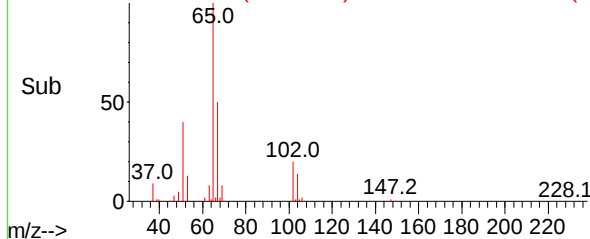
1,2-Dichloroethane-d4  
Concen: 32.064 ug/l  
RT: 8.130 min Scan# 1125  
Delta R.T. -0.007 min  
Lab File: VY018449.D  
Acq: 03 Jun 2024 18:44

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VOC

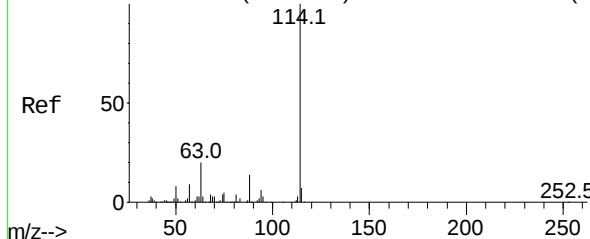
Tgt Ion: 65 Resp: 45483  
Ion Ratio Lower Upper  
65 100  
67 53.2 0.0 109.6



Abundance Scan 1035 (8.130 min): VY018449.D\data.ms (-987) (-)

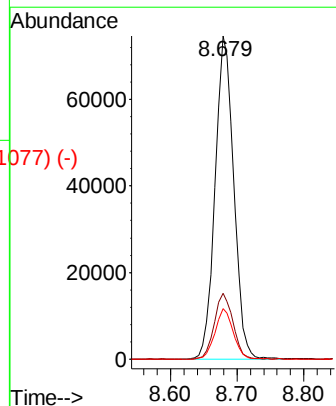
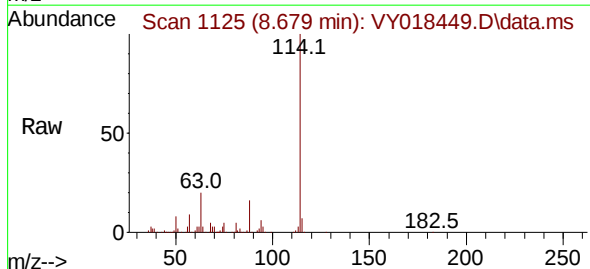


Abundance Scan 1126 (8.685 min): VY018432.D\data.ms (-11154)

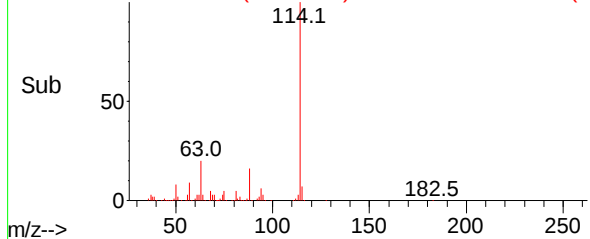


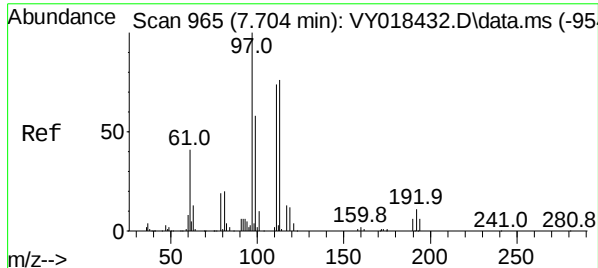
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.679 min Scan# 1125  
Delta R.T. -0.006 min  
Lab File: VY018449.D  
Acq: 03 Jun 2024 18:44

Tgt Ion:114 Resp: 145370  
Ion Ratio Lower Upper  
114 100  
63 20.5 0.0 35.0  
88 15.7 0.0 27.2



Abundance Scan 1125 (8.679 min): VY018449.D\data.ms (-1077) (-)





Dibromofluoromethane

Concen: 24.415 ug/l

RT: 7.703 min Scan#

Delta R.T. -0.000 min

Lab File: VY018449.D

Acq: 03 Jun 2024 18:44

Instrument :

MSVOA\_Y

ClientSampleId :

VOC

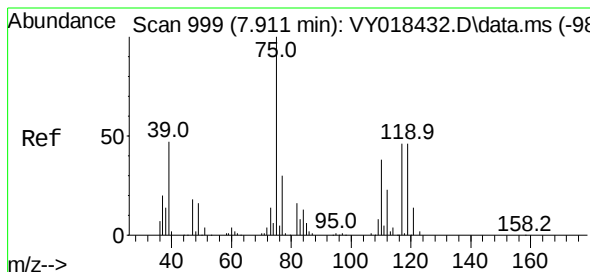
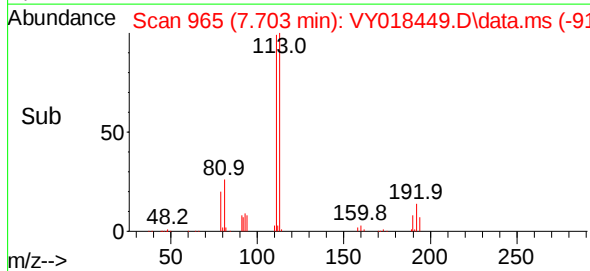
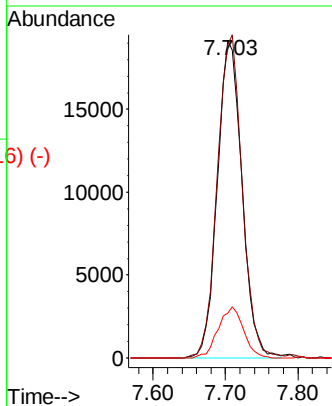
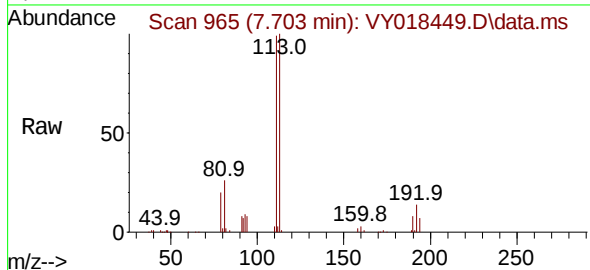
Tgt Ion:113 Resp: 45006

Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.4

192 16.5 15.9 23.9



1,1-Dichloropropene

Concen: 2.352 ug/l

RT: 7.776 min Scan# 977

Delta R.T. -0.135 min

Lab File: VY018449.D

Acq: 03 Jun 2024 18:44

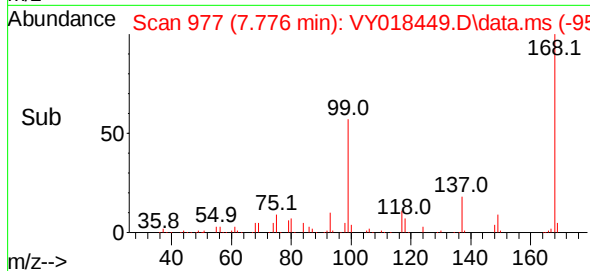
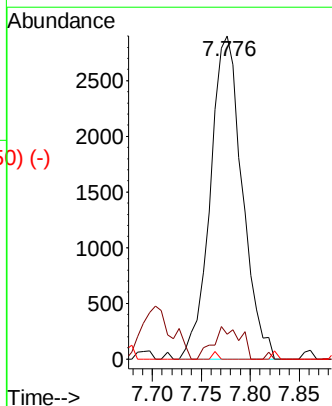
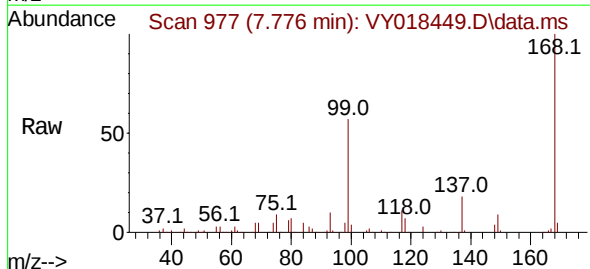
Tgt Ion: 75 Resp: 6610

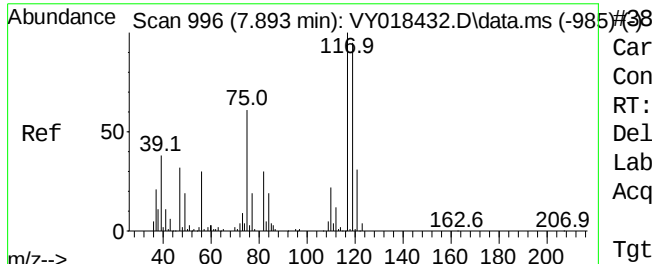
Ion Ratio Lower Upper

75 100

110 8.5 19.0 57.0#

77 0.4 25.3 37.9#





Carbon Tetrachloride

Concen: 2.684 ug/l

RT: 7.776 min Scan#

Delta R.T. -0.116 min

Lab File: VY018449.D

Acq: 03 Jun 2024 18:44

Instrument :

MSVOA\_Y

ClientSampleId :

VOC

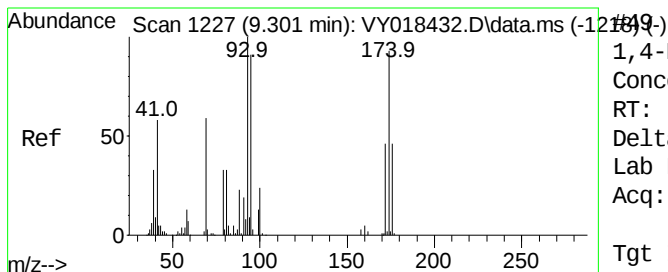
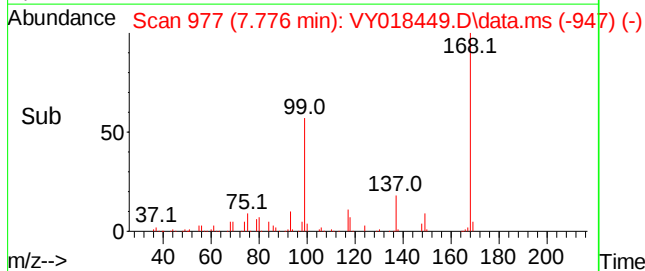
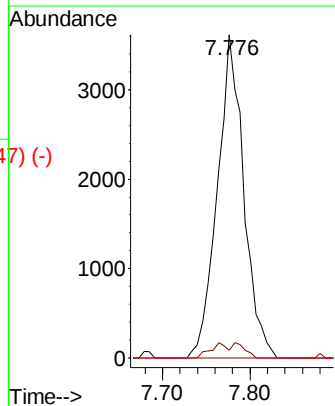
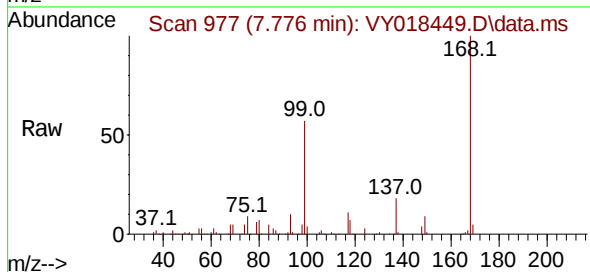
Tgt Ion:117 Resp: 7559

Ion Ratio Lower Upper

117 100

119 2.4 75.8 113.6#

121 0.0 24.0 36.0#



1,4-Dioxane

Concen: 3.586 ug/l

RT: 9.276 min Scan# 1223

Delta R.T. -0.025 min

Lab File: VY018449.D

Acq: 03 Jun 2024 18:44

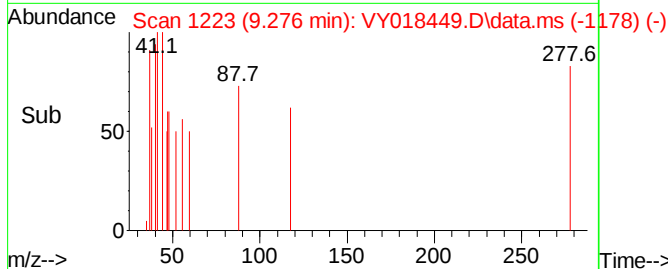
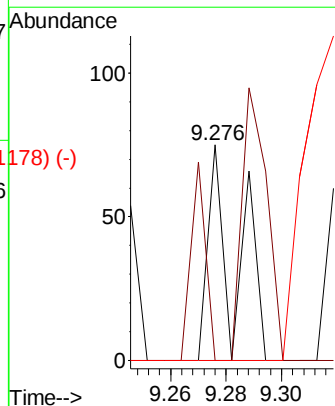
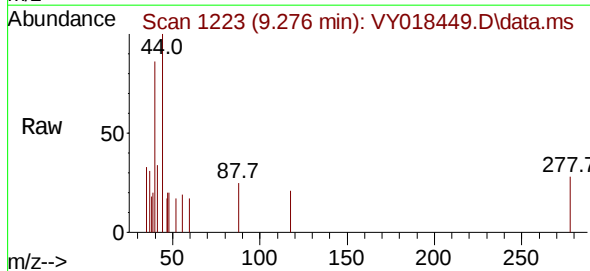
Tgt Ion: 88 Resp: 52

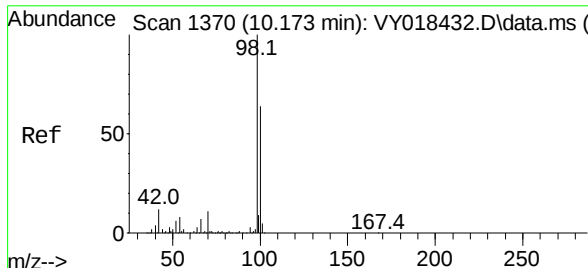
Ion Ratio Lower Upper

88 100

43 48.1 0.0 0.0#

58 0.0 49.3 73.9#

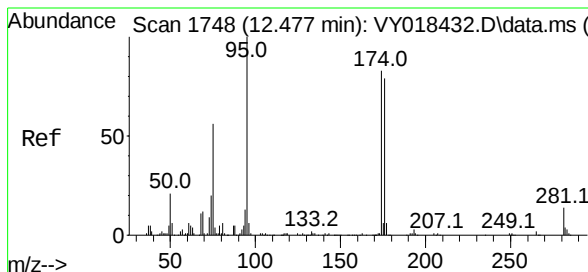
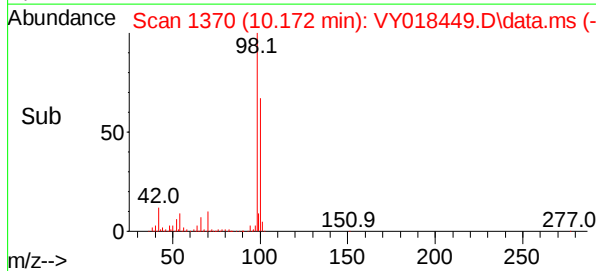
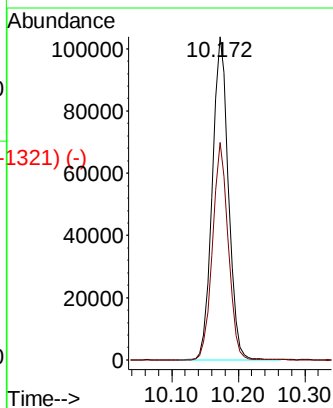
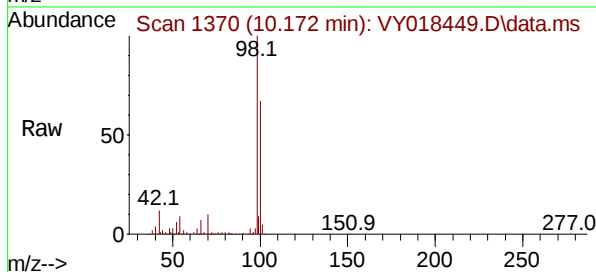




Toluene-d8  
 Concen: 23.782 ug/l  
 RT: 10.172 min Scan# 1370  
 Delta R.T. -0.000 min  
 Lab File: VY018449.D  
 Acq: 03 Jun 2024 18:44

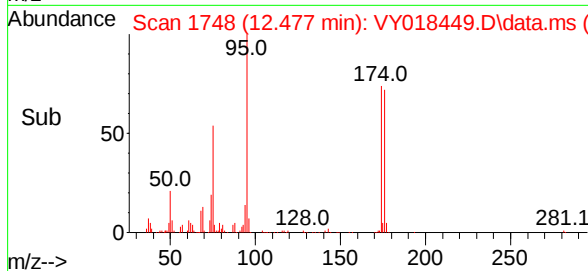
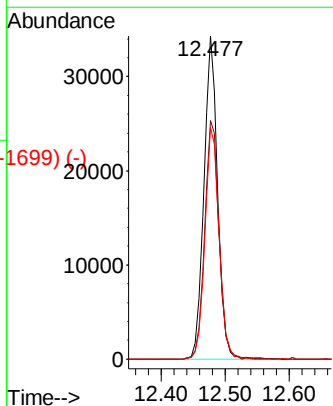
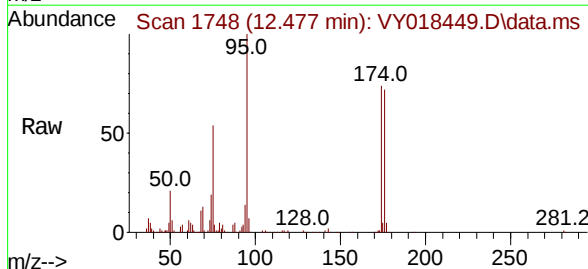
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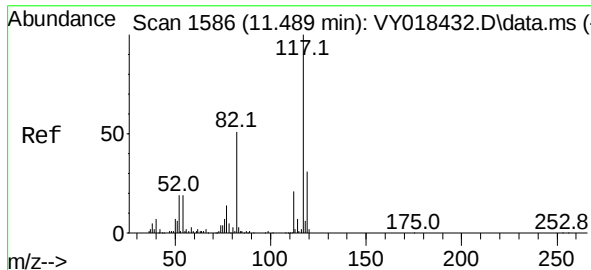
Tgt Ion: 98 Resp: 174405  
 Ion Ratio Lower Upper  
 98 100  
 100 65.4 52.0 78.0



4-Bromofluorobenzene  
 Concen: 22.515 ug/l  
 RT: 12.477 min Scan# 1748  
 Delta R.T. -0.000 min  
 Lab File: VY018449.D  
 Acq: 03 Jun 2024 18:44

Tgt Ion: 95 Resp: 51410  
 Ion Ratio Lower Upper  
 95 100  
 174 77.1 0.0 175.6  
 176 74.1 0.0 171.4

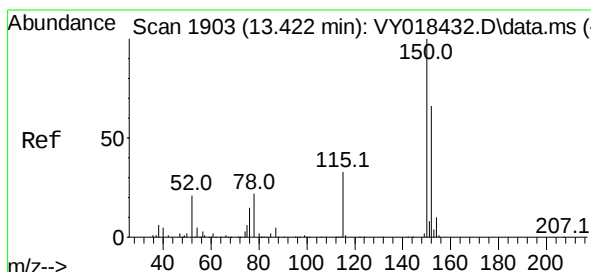
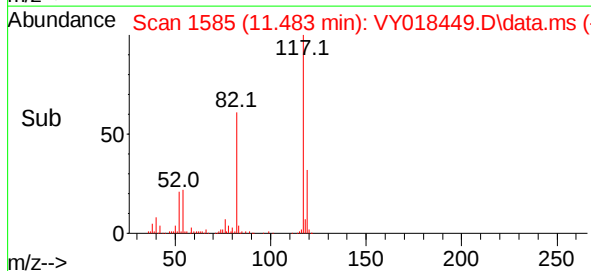
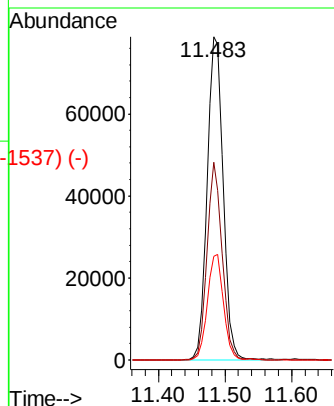
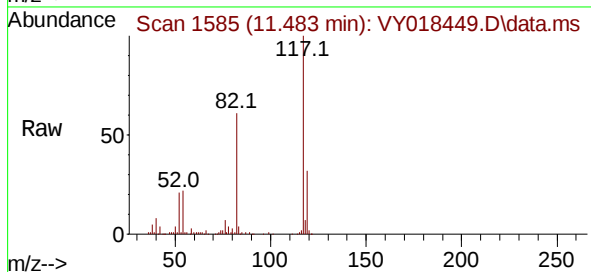




Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.483 min Scan# 1537  
Delta R.T. -0.006 min  
Lab File: VY018449.D  
Acq: 03 Jun 2024 18:44

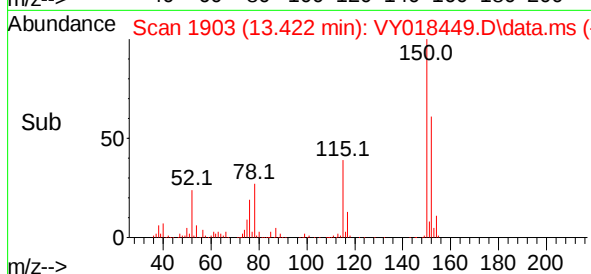
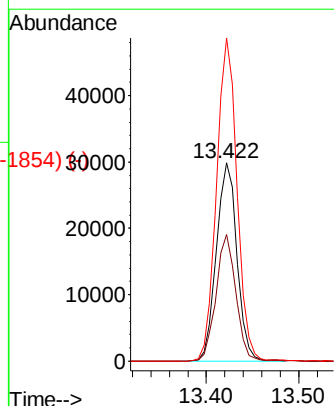
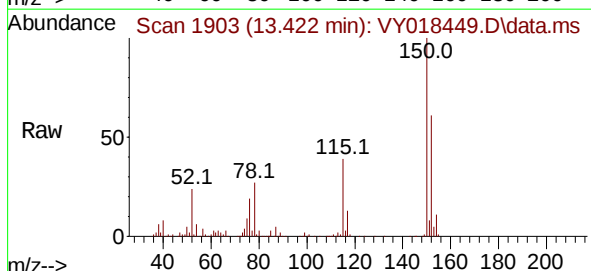
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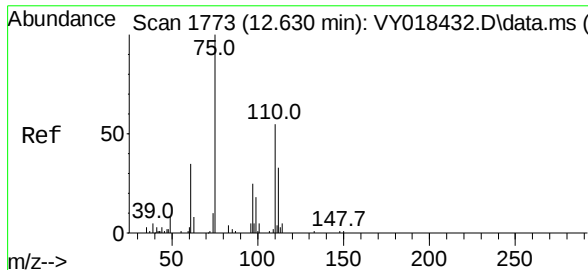
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 131053 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 61.2  | 42.4  | 63.6   |
| 119      | 32.1  | 25.9  | 38.9   |



1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. -0.000 min  
Lab File: VY018449.D  
Acq: 03 Jun 2024 18:44

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 46188 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 61.3  | 28.2  | 84.7  |
| 150      | 161.9 | 0.0   | 345.6 |

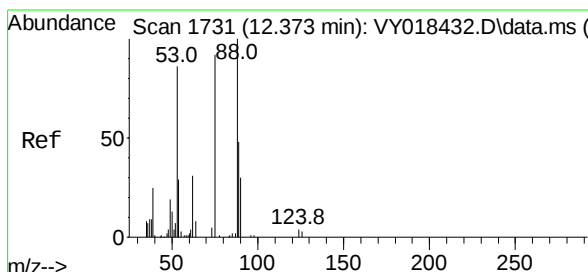
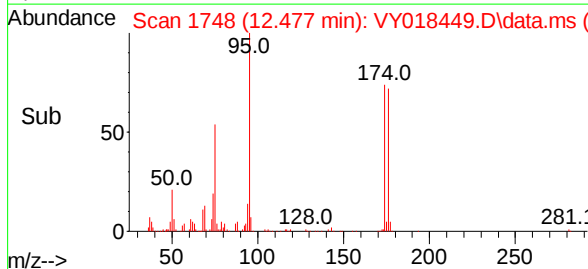
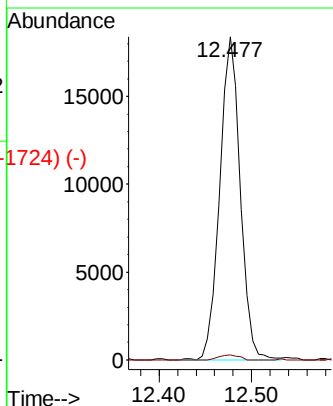
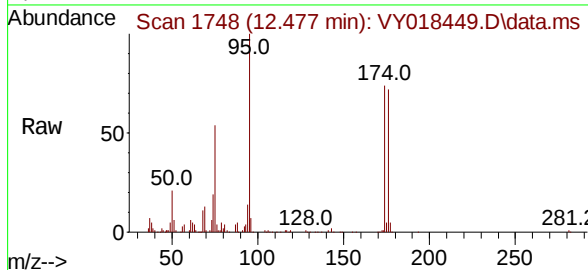




Scan 1773 (12.630 min): VY018432.D\data.ms (-1773) (-)  
 1,2,3-Trichloropropane  
 Concen: 49.625 ug/l  
 RT: 12.477 min Scan# 1773  
 Delta R.T. -0.153 min  
 Lab File: VY018449.D  
 Acq: 03 Jun 2024 18:44

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VOC

Tgt Ion: 75 Resp: 28422  
 Ion Ratio Lower Upper  
 75 100  
 77 1.5 0.0 0.0#



Scan 1731 (12.373 min): VY018432.D\data.ms (-1731) (-)  
 trans-1,4-Dichloro-2-butene  
 Concen: 104.259 ug/l  
 RT: 12.477 min Scan# 1748  
 Delta R.T. 0.103 min  
 Lab File: VY018449.D  
 Acq: 03 Jun 2024 18:44

Tgt Ion: 75 Resp: 28422  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 66.8 100.2#  
 89 0.5 35.8 53.6#

