

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110425\  
 Data File : VY023675.D  
 Acq On : 04 Nov 2025 15:40  
 Operator : SY/MD  
 Sample : Q3532-07  
 Misc : 5.51g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-1-VOC

Quant Time: Nov 05 04:53:04 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110425S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 05 04:41:50 2025  
 Response via : Initial Calibration

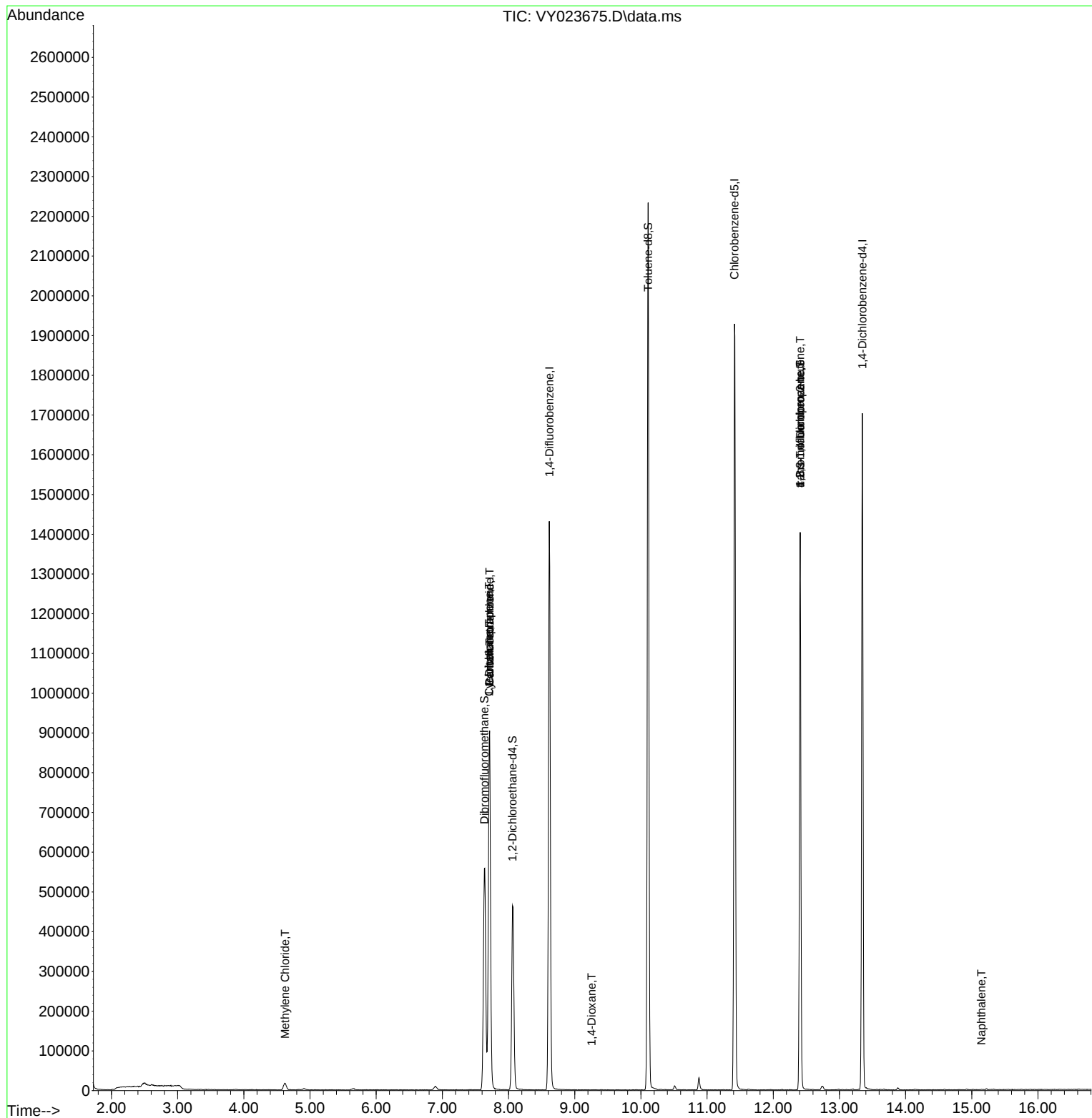
| Compound                      | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                         |                |      |                     |         |        |          |
| Internal Standards            |                |      |                     |         |        |          |
| 1) Pentafluorobenzene         | 7.713          | 168  | 746683              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.616          | 114  | 1286033             | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.414         | 117  | 1104464             | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346         | 152  | 440077              | 50.000  | ug/l   | 0.00     |
|                               |                |      |                     |         |        |          |
| System Monitoring Compounds   |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.061          | 65   | 367262              | 57.661  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 115.320% |         |        |          |
| 35) Dibromofluoromethane      | 7.634          | 113  | 411395              | 51.189  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 102.380% |         |        |          |
| 50) Toluene-d8                | 10.109         | 98   | 1464037             | 48.903  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 134 |      | Recovery = 97.800%  |         |        |          |
| 62) 4-Bromofluorobenzene      | 12.408         | 95   | 421053              | 43.490  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 30 - 143 |      | Recovery = 86.980%  |         |        |          |
|                               |                |      |                     |         |        |          |
| Target Compounds              |                |      |                     |         |        | Qvalue   |
| 20) Methylene Chloride        | 4.622          | 84   | 13547               | 1.772   | ug/l   | 90       |
| 31) Cyclohexane               | 7.707          | 56   | 12857               | 1.225   | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.707          | 75   | 50370               | 4.690   | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 7.713          | 117  | 69534               | 5.495   | ug/l # | 16       |
| 49) 1,4-Dioxane               | 9.256          | 88   | 53                  | 1.119   | ug/l # | 29       |
| 76) 1,2,3-Trichloropropane    | 12.408         | 75   | 208033              | 58.410  | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.408         | 75   | 208033              | 132.003 | ug/l # | 14       |
| 95) Naphthalene               | 15.145         | 128  | 883                 | 5.323   | ug/l # | 84       |
| -----                         |                |      |                     |         |        |          |

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

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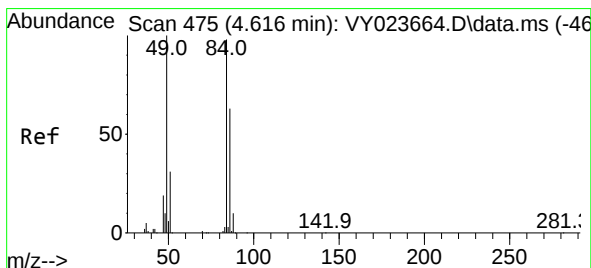
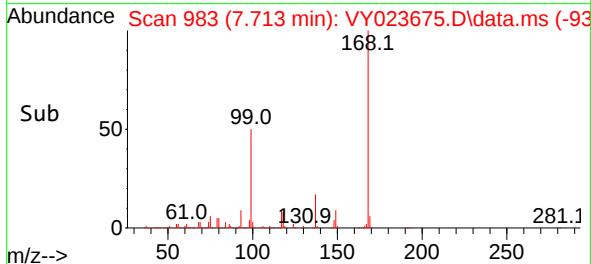
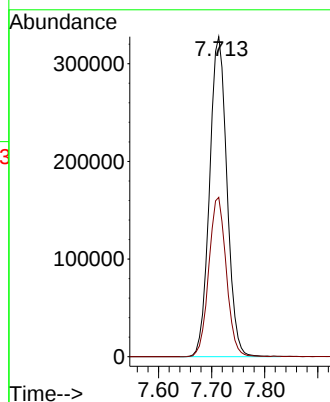
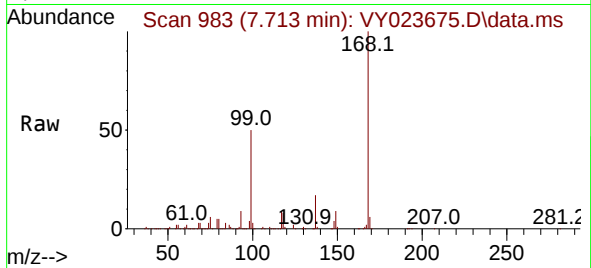




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 983  
Delta R.T. 0.006 min  
Lab File: VY023675.D  
Acq: 04 Nov 2025 15:40

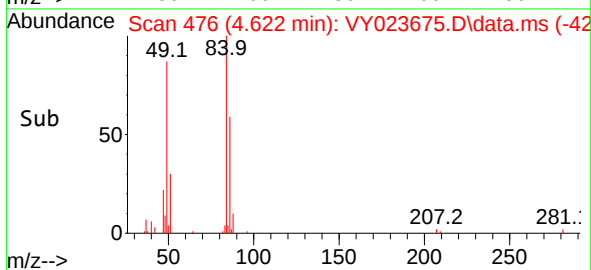
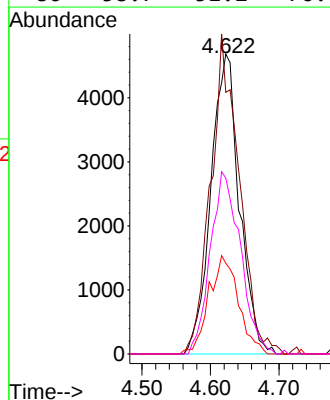
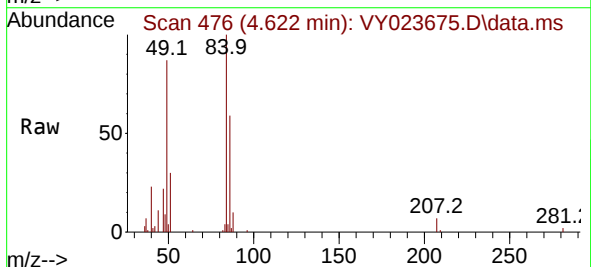
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-1-VOC

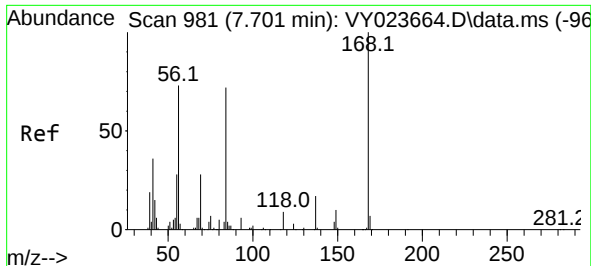
Tgt Ion:168 Resp: 746683  
Ion Ratio Lower Upper  
168 100  
99 49.8 41.0 61.4



#20  
Methylene Chloride  
Concen: 1.772 ug/l  
RT: 4.622 min Scan# 476  
Delta R.T. 0.006 min  
Lab File: VY023675.D  
Acq: 04 Nov 2025 15:40

Tgt Ion: 84 Resp: 13547  
Ion Ratio Lower Upper  
84 100  
49 87.2 81.5 122.3  
51 30.2 25.5 38.3  
86 58.7 51.2 76.8

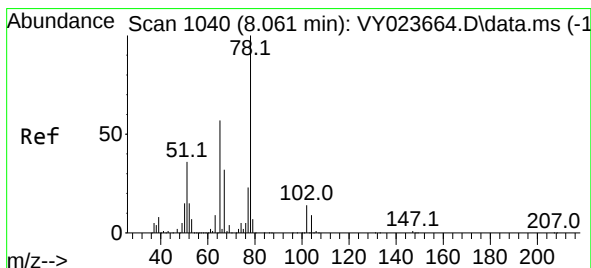
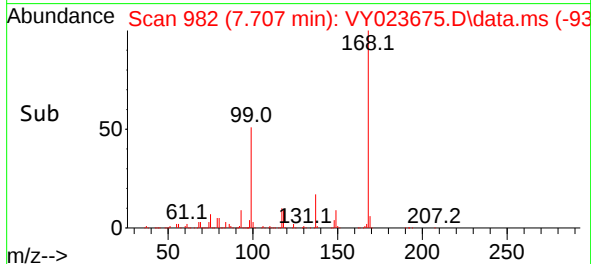
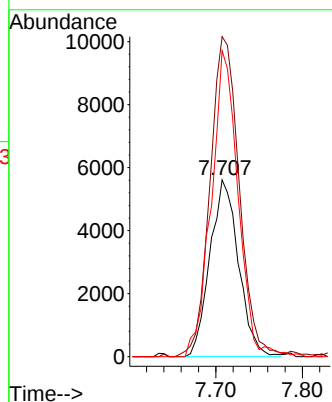
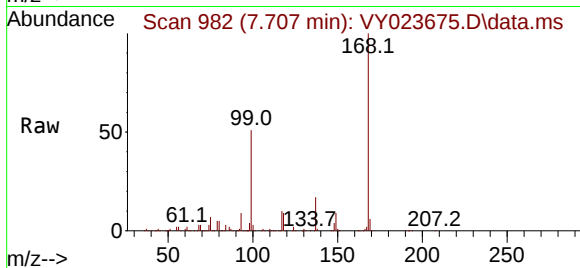




#31  
Cyclohexane  
Concen: 1.225 ug/l  
RT: 7.707 min Scan# 981  
Delta R.T. 0.006 min  
Lab File: VY023675.D  
Acq: 04 Nov 2025 15:40

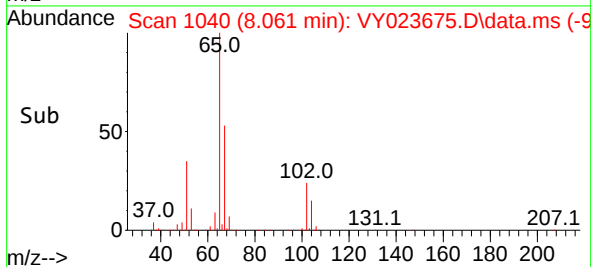
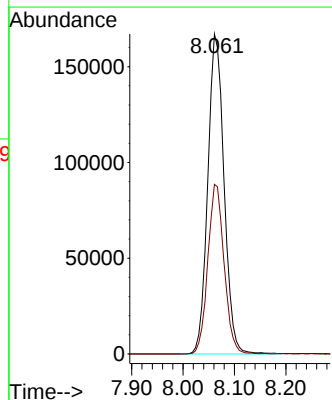
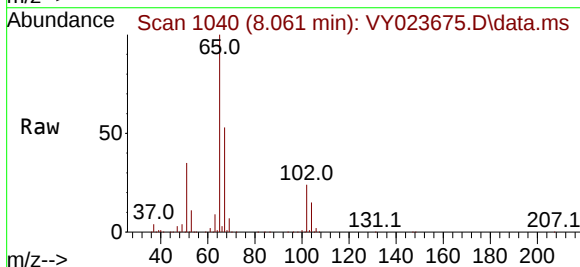
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-1-VOC

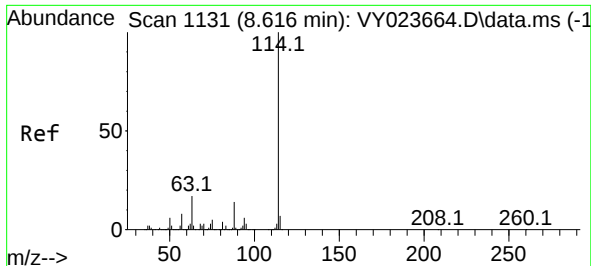
Tgt Ion: 56 Resp: 12857  
Ion Ratio Lower Upper  
56 100  
69 179.6 30.5 45.7#  
84 173.0 79.0 118.4#



#33  
1,2-Dichloroethane-d4  
Concen: 57.661 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: VY023675.D  
Acq: 04 Nov 2025 15:40

Tgt Ion: 65 Resp: 367262  
Ion Ratio Lower Upper  
65 100  
67 53.0 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023675.D

Acq: 04 Nov 2025 15:40

Instrument :

MSVOA\_Y

ClientSampleId :

TP-1-VOC

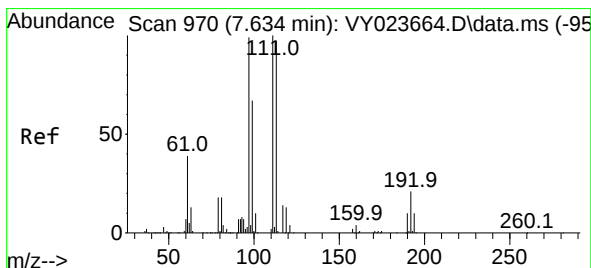
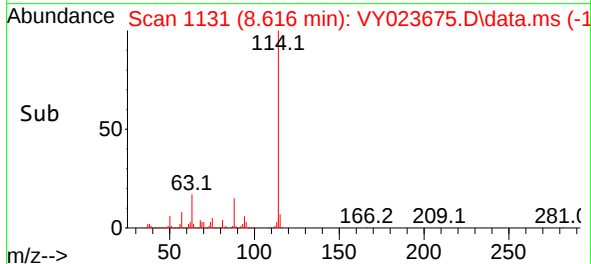
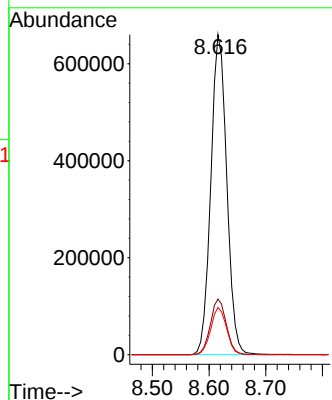
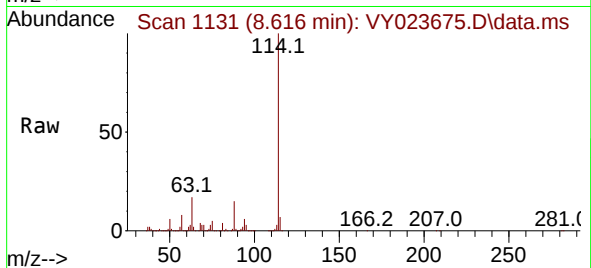
Tgt Ion:114 Resp: 1286033

Ion Ratio Lower Upper

114 100

63 17.4 0.0 33.8

88 14.8 0.0 29.0



#35

Dibromofluoromethane

Concen: 51.189 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY023675.D

Acq: 04 Nov 2025 15:40

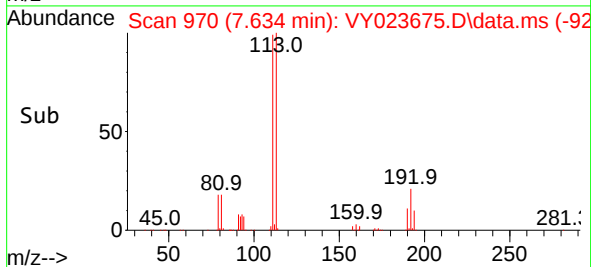
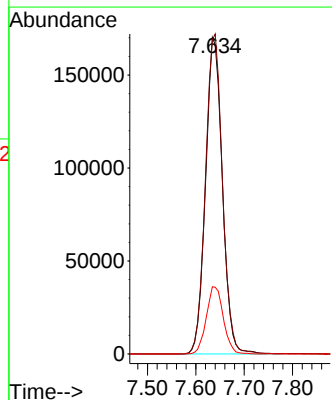
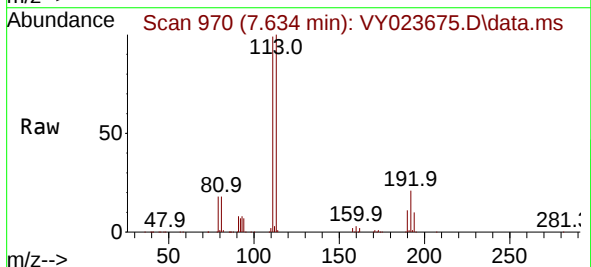
Tgt Ion:113 Resp: 411395

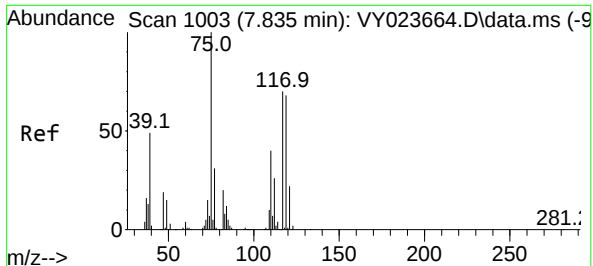
Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.4

192 21.5 17.3 25.9





#36

1,1-Dichloropropene

Concen: 4.690 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY023675.D

Acq: 04 Nov 2025 15:40

Instrument :

MSVOA\_Y

ClientSampleId :

TP-1-VOC

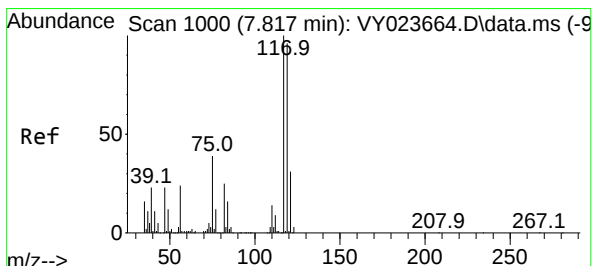
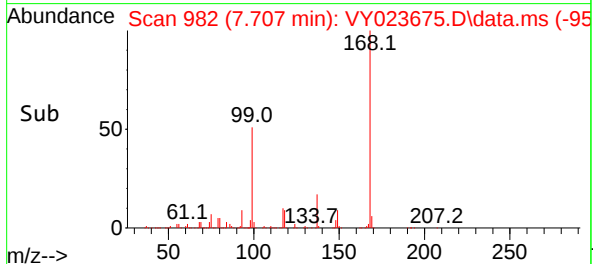
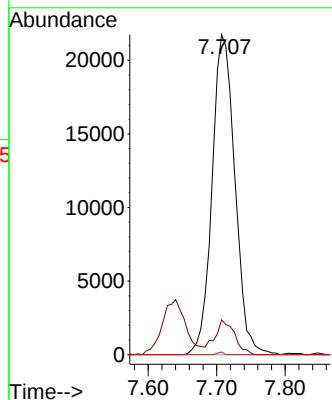
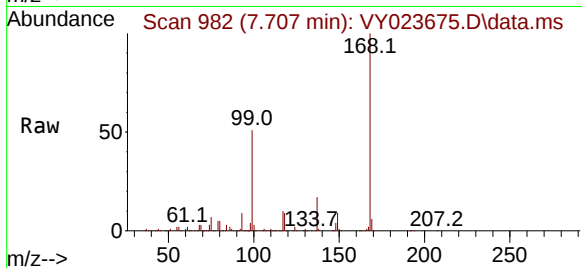
Tgt Ion: 75 Resp: 50370

Ion Ratio Lower Upper

75 100

110 9.3 19.7 59.0#

77 0.2 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 5.495 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023675.D

Acq: 04 Nov 2025 15:40

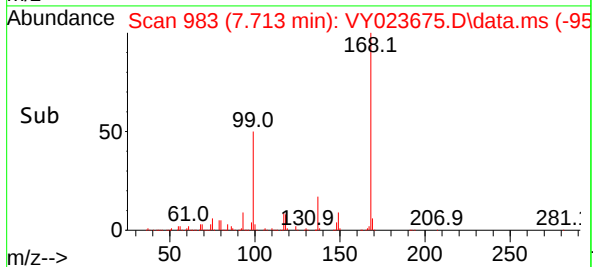
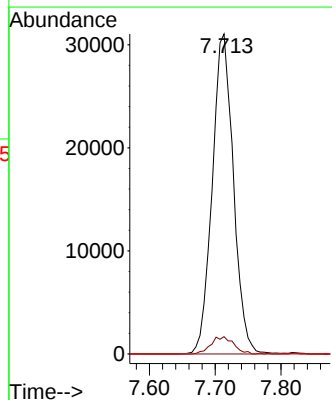
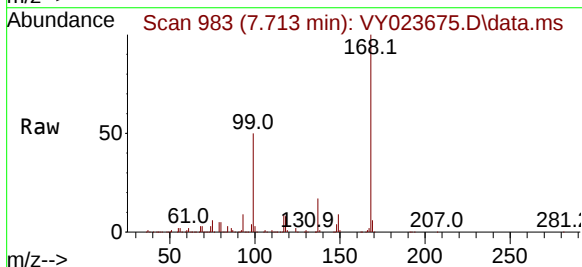
Tgt Ion: 117 Resp: 69534

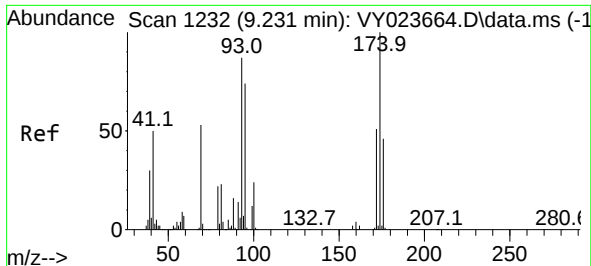
Ion Ratio Lower Upper

117 100

119 5.4 76.3 114.5#

121 0.0 24.8 37.2#





#49

1,4-Dioxane

Concen: 1.119 ug/l

RT: 9.256 min Scan# 11

Delta R.T. 0.024 min

Lab File: VY023675.D

Acq: 04 Nov 2025 15:40

Instrument :

MSVOA\_Y

ClientSampleId :

TP-1-VOC

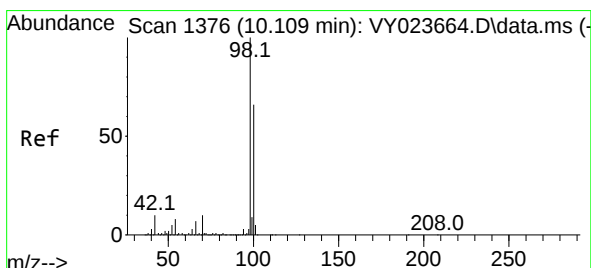
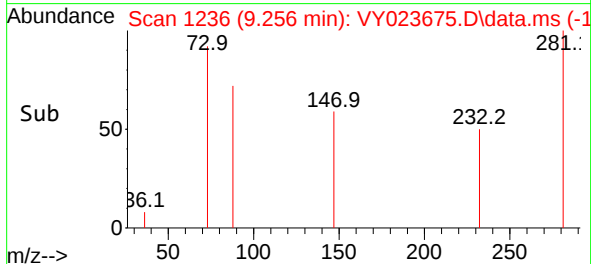
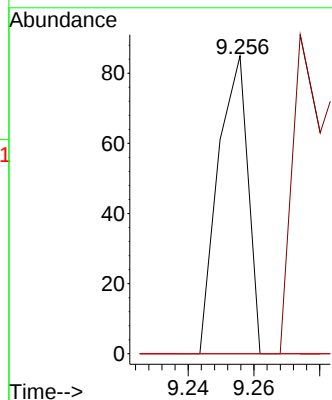
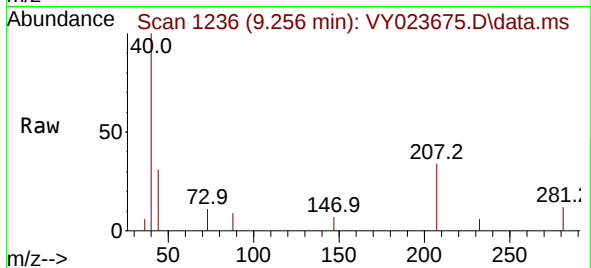
Tgt Ion: 88 Resp: 53

Ion Ratio Lower Upper

88 100

43 0.0 22.0 33.0#

58 0.0 47.8 71.8#



#50

Toluene-d8

Concen: 48.903 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY023675.D

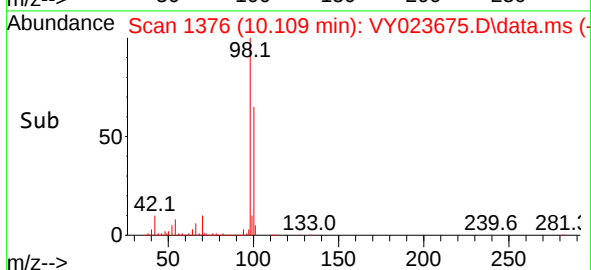
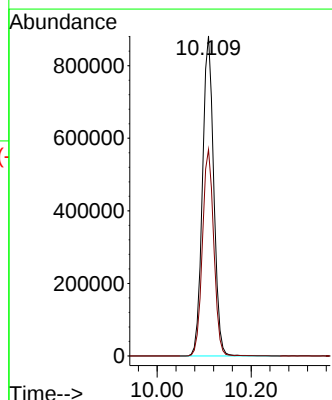
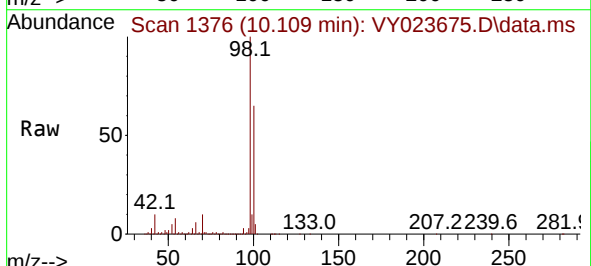
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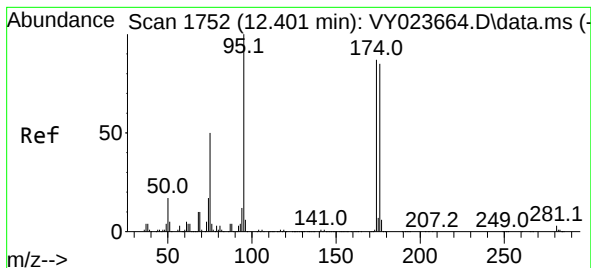
Tgt Ion: 98 Resp: 1464037

Ion Ratio Lower Upper

98 100

100 65.2 52.7 79.1

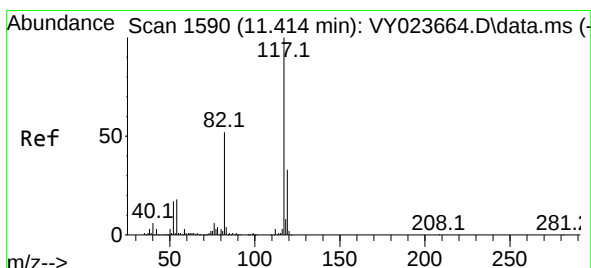
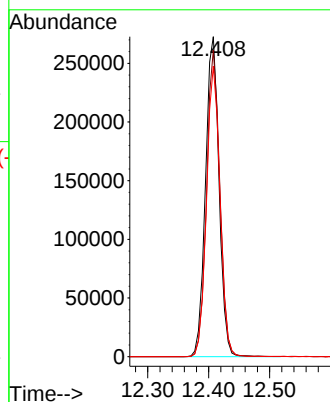
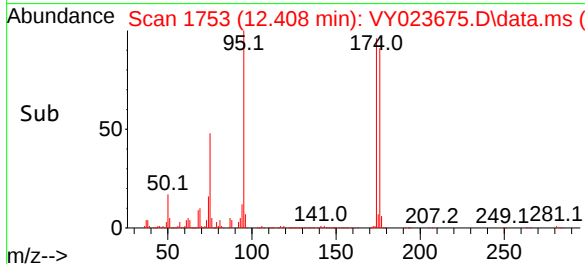
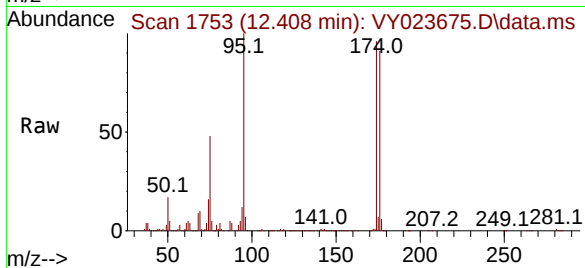




#62  
4-Bromofluorobenzene  
Concen: 43.490 ug/l  
RT: 12.408 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY023675.D  
Acq: 04 Nov 2025 15:40

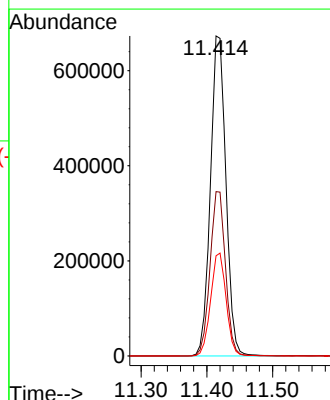
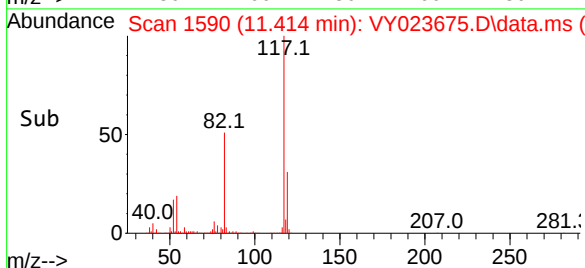
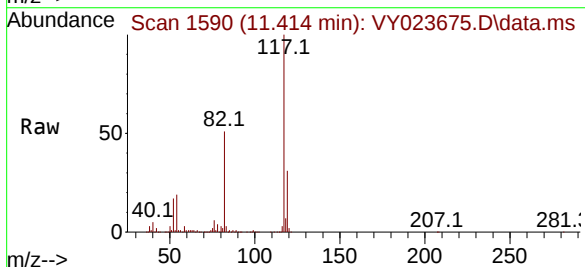
Instrument :  
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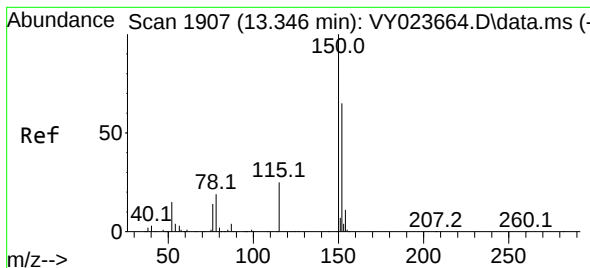
Tgt Ion: 95 Resp: 421053  
Ion Ratio Lower Upper  
95 100  
174 94.4 0.0 184.8  
176 90.3 0.0 181.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. 0.000 min  
Lab File: VY023675.D  
Acq: 04 Nov 2025 15:40

Tgt Ion: 117 Resp: 1104464  
Ion Ratio Lower Upper  
117 100  
82 51.4 41.2 61.8  
119 31.3 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023675.D

Acq: 04 Nov 2025 15:40

Instrument :

MSVOA\_Y

ClientSampleId :

TP-1-VOC

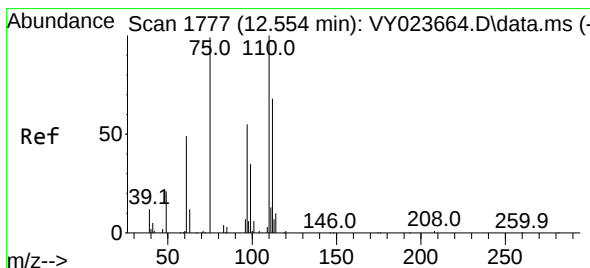
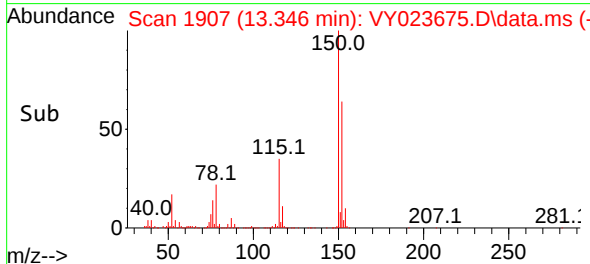
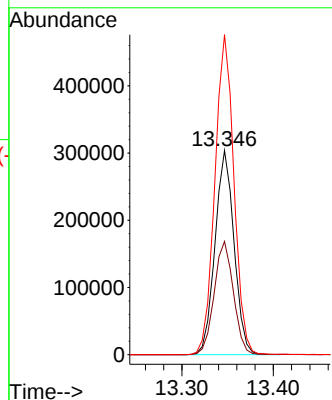
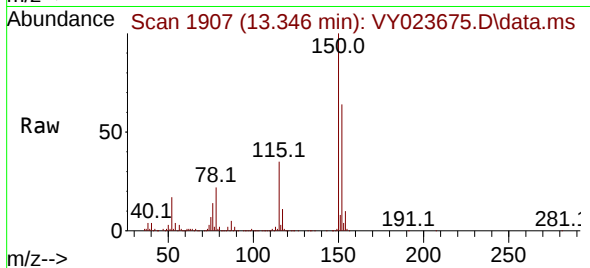
Tgt Ion:152 Resp: 440077

Ion Ratio Lower Upper

152 100

115 56.2 27.5 82.5

150 156.7 0.0 349.0



#76

1,2,3-Trichloropropane

Concen: 58.410 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023675.D

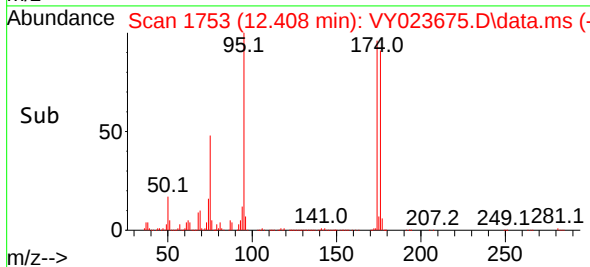
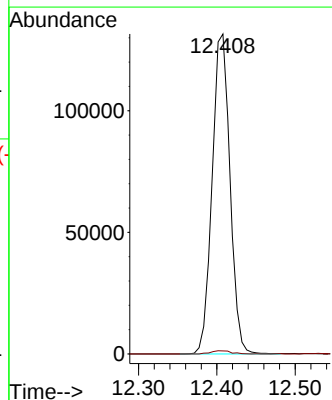
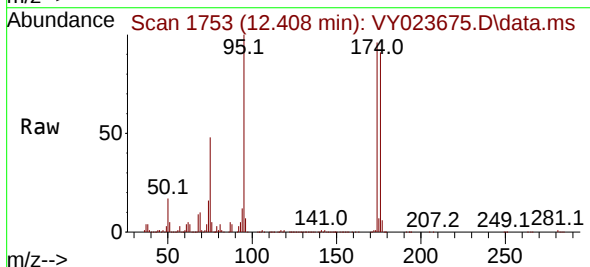
Acq: 04 Nov 2025 15:40

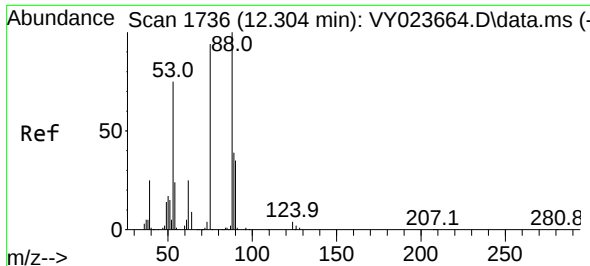
Tgt Ion: 75 Resp: 208033

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#

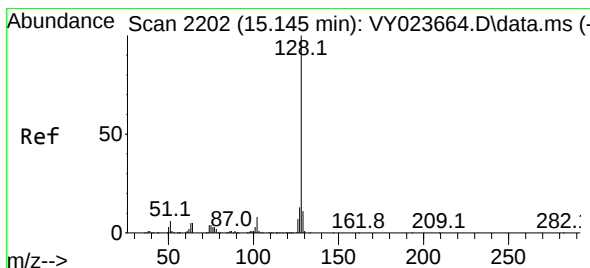
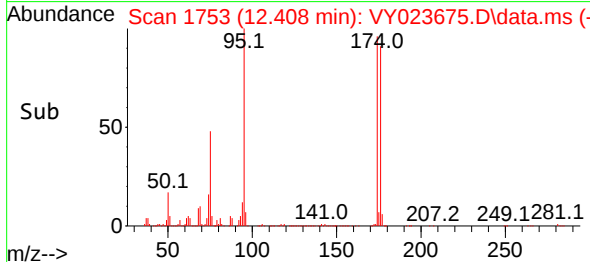
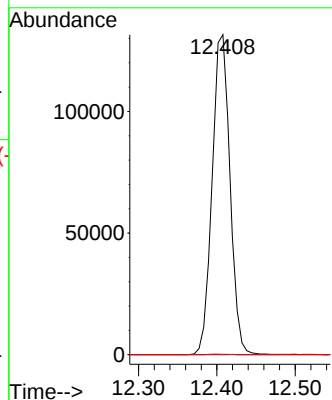
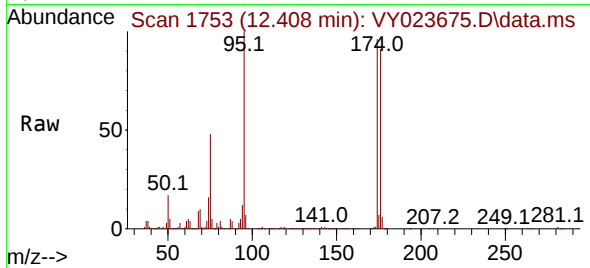




#81  
trans-1,4-Dichloro-2-butene  
Concen: 132.003 ug/l  
RT: 12.408 min Scan# 11  
Delta R.T. 0.104 min  
Lab File: VY023675.D  
Acq: 04 Nov 2025 15:40

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-1-VOC

Tgt Ion: 75 Resp: 208033  
Ion Ratio Lower Upper  
75 100  
53 0.2 69.6 104.4#  
89 0.0 38.2 57.4#



#95  
Naphthalene  
Concen: 5.323 ug/l  
RT: 15.145 min Scan# 2202  
Delta R.T. 0.000 min  
Lab File: VY023675.D  
Acq: 04 Nov 2025 15:40

Tgt Ion: 128 Resp: 883  
Ion Ratio Lower Upper  
128 100  
127 15.2 10.5 15.7  
129 0.0 8.8 13.2#

