

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052225\  
 Data File : VY022385.D  
 Acq On : 22 May 2025 11:01  
 Operator : SY/MD  
 Sample : Q2101-03  
 Misc : 5.08g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: May 23 03:34:24 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y051525S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 16 01:42:09 2025  
 Response via : Initial Calibration

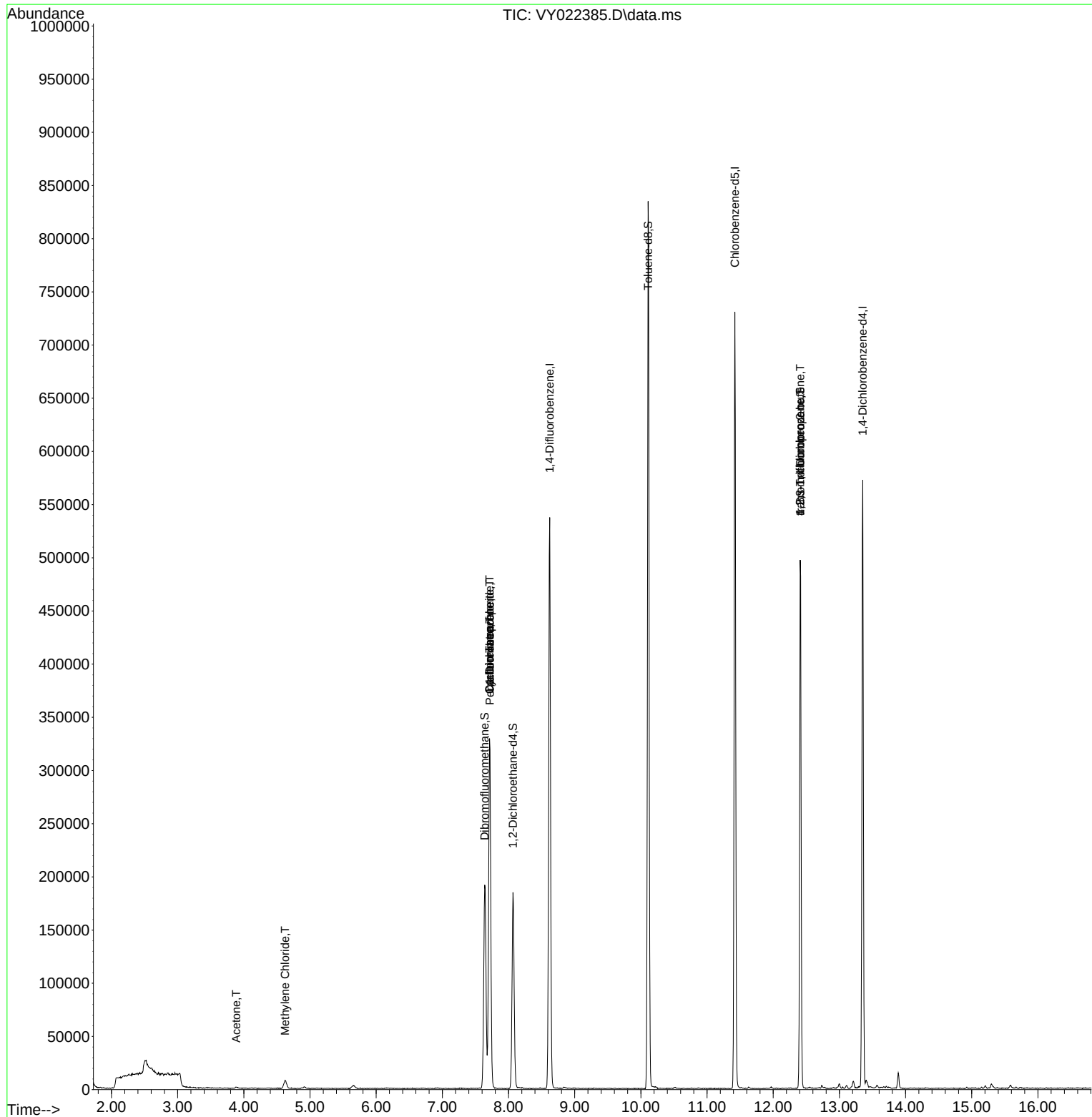
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 7.719  | 168   | 249549   | 50.000   | ug/l   | 0.01     |
| 34) 1,4-Difluorobenzene       | 8.622  | 114   | 443424   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.420 | 117   | 356504   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.352 | 152   | 132503   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.067  | 65    | 135158   | 49.557   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | =      | 99.120%  |
| 35) Dibromofluoromethane      | 7.640  | 113   | 133334   | 50.379   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | =      | 100.760% |
| 50) Toluene-d8                | 10.109 | 98    | 526971   | 48.616   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery | =      | 97.240%  |
| 62) 4-Bromofluorobenzene      | 12.407 | 95    | 137102   | 39.905   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery | =      | 79.800%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 16) Acetone                   | 3.885  | 43    | 2194     | 4.290    | ug/l   | 90       |
| 20) Methylene Chloride        | 4.622  | 84    | 5159     | 1.561    | ug/l # | 85       |
| 31) Cyclohexane               | 7.713  | 56    | 6109     | 1.107    | ug/l # | 29       |
| 36) 1,1-Dichloropropene       | 7.713  | 75    | 20419    | 4.684    | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 7.713  | 117   | 24725    | 5.479    | ug/l # | 18       |
| 76) 1,2,3-Trichloropropane    | 12.407 | 75    | 79674    | 59.352   | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.407 | 75    | 79674    | 120.232  | ug/l # | 12       |
| -----                         |        |       |          |          |        |          |

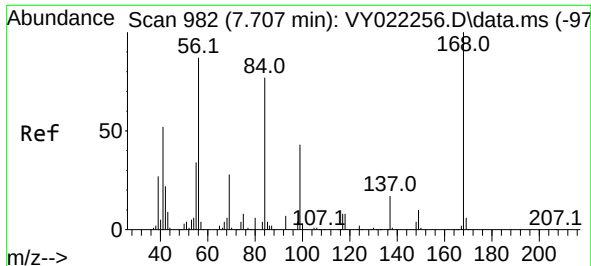
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TP-1-MHE-VOC

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Quant Title : SW846 8260  
QLast Update : Fri May 16 01:42:09 2025  
Response via : Initial Calibration

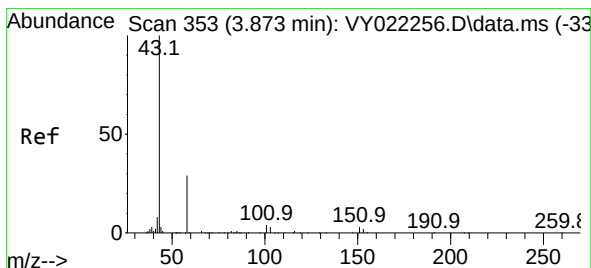
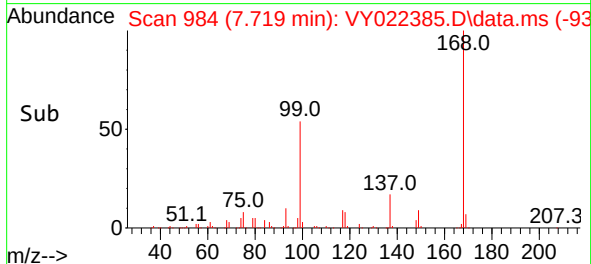
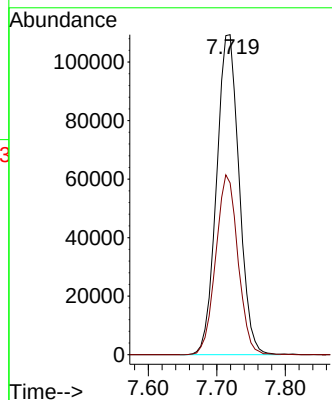
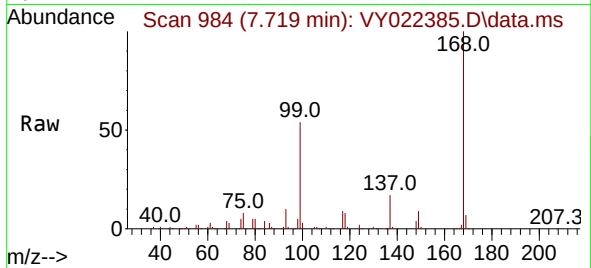




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.719 min Scan# 984  
Delta R.T. 0.012 min  
Lab File: VY022385.D  
Acq: 22 May 2025 11:01

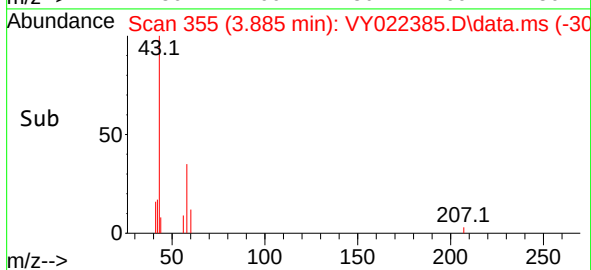
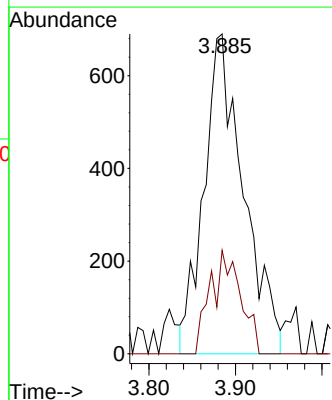
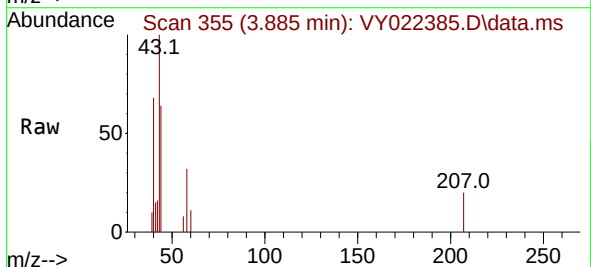
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-1-MHE-VOC

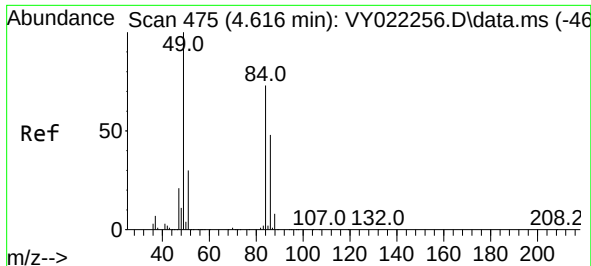
Tgt Ion:168 Resp: 249549  
Ion Ratio Lower Upper  
168 100  
99 53.6 44.2 66.4



#16  
Acetone  
Concen: 4.290 ug/l  
RT: 3.885 min Scan# 355  
Delta R.T. 0.012 min  
Lab File: VY022385.D  
Acq: 22 May 2025 11:01

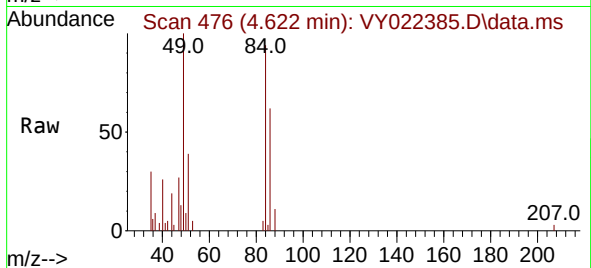
Tgt Ion: 43 Resp: 2194  
Ion Ratio Lower Upper  
43 100  
58 34.8 23.6 35.4



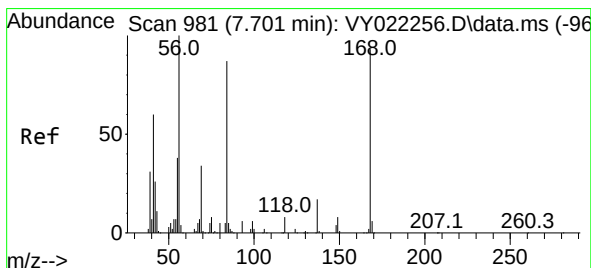
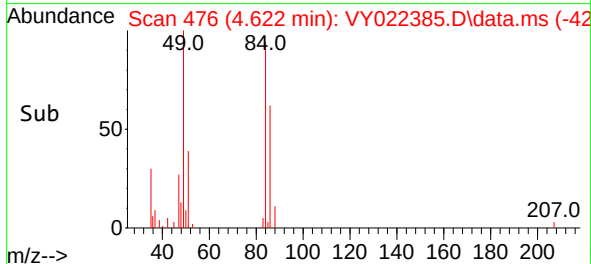
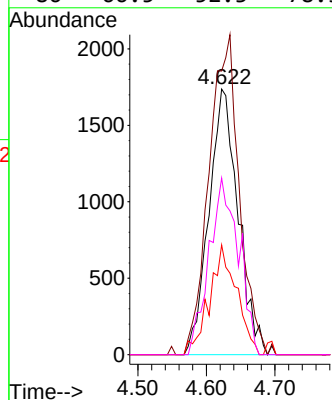


#20  
Methylene Chloride  
Concen: 1.561 ug/l  
RT: 4.622 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VY022385.D  
Acq: 22 May 2025 11:01

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

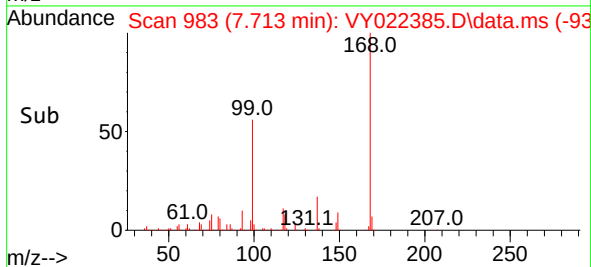
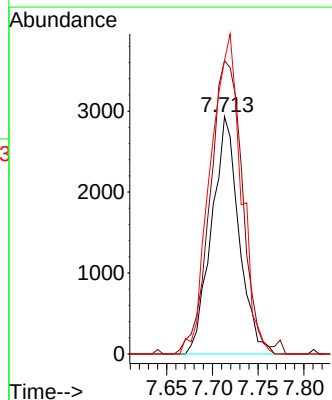
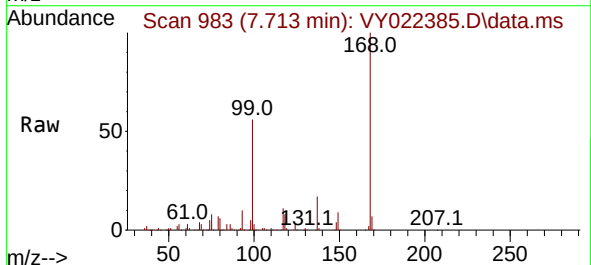


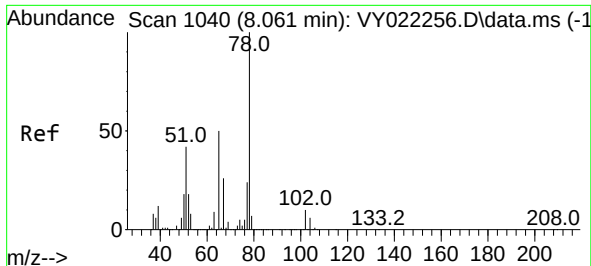
Tgt Ion: 84 Resp: 5159  
Ion Ratio Lower Upper  
84 100  
49 106.8 109.6 164.4#  
51 41.3 32.4 48.6  
86 66.5 52.3 78.5



#31  
Cyclohexane  
Concen: 1.107 ug/l  
RT: 7.713 min Scan# 983  
Delta R.T. 0.012 min  
Lab File: VY022385.D  
Acq: 22 May 2025 11:01

Tgt Ion: 56 Resp: 6109  
Ion Ratio Lower Upper  
56 100  
69 121.8 27.4 41.2#  
84 123.7 70.0 105.0#





#33

1,2-Dichloroethane-d4

Concen: 49.557 ug/l

RT: 8.067 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY022385.D

Acq: 22 May 2025 11:01

Instrument :

MSVOA\_Y

ClientSampleId :

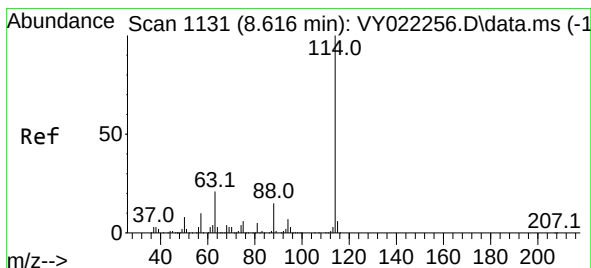
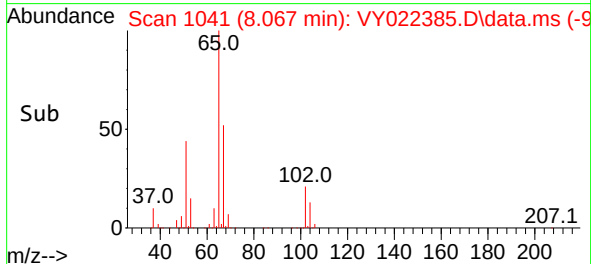
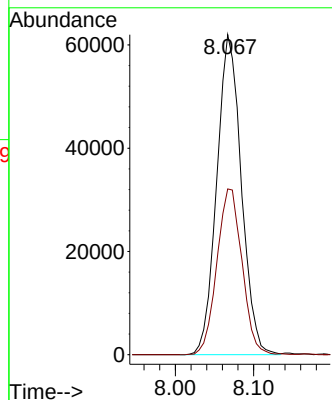
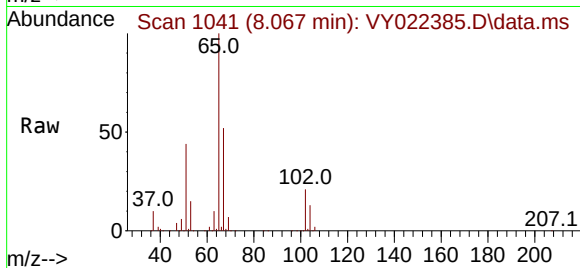
TP-1-MHE-VOC

Tgt Ion: 65 Resp: 135158

Ion Ratio Lower Upper

65 100

67 53.0 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022385.D

Acq: 22 May 2025 11:01

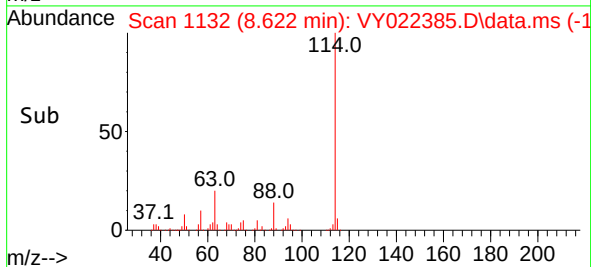
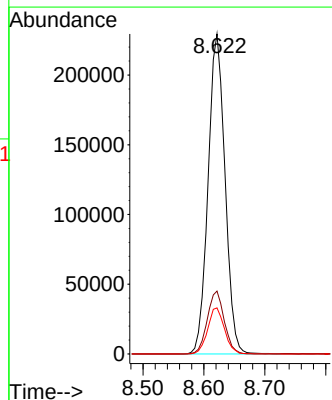
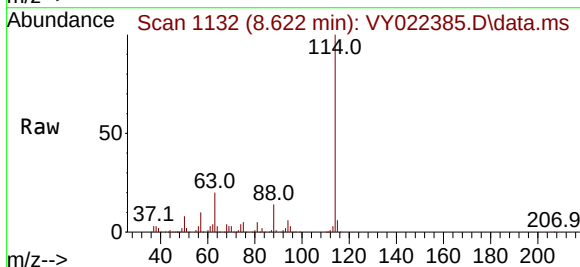
Tgt Ion: 114 Resp: 443424

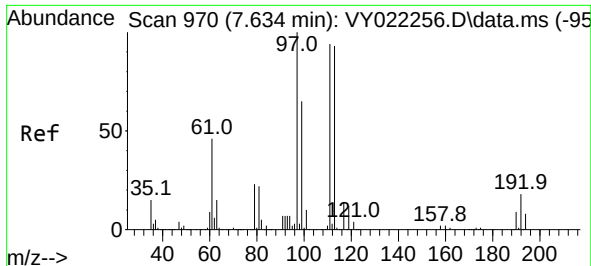
Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.0

88 14.4 0.0 29.4

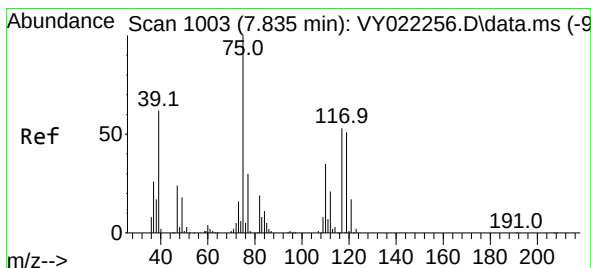
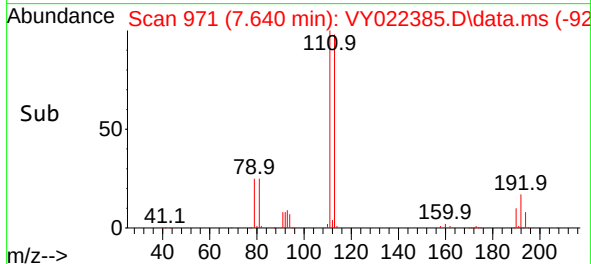
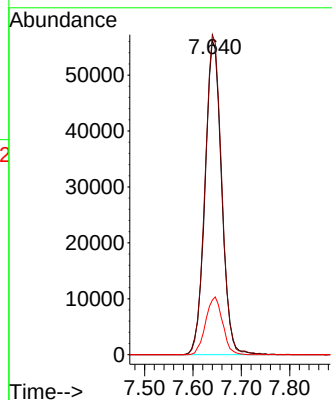
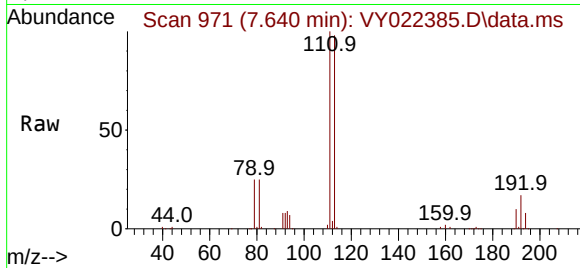




#35  
Dibromofluoromethane  
Concen: 50.379 ug/l  
RT: 7.640 min Scan# 911  
Delta R.T. 0.006 min  
Lab File: VY022385.D  
Acq: 22 May 2025 11:01

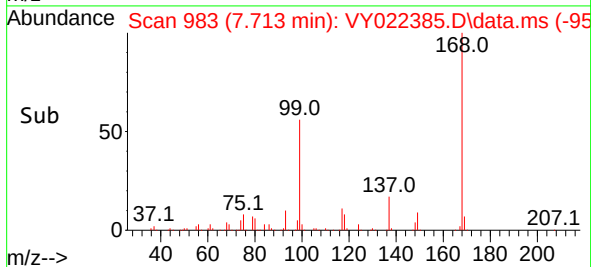
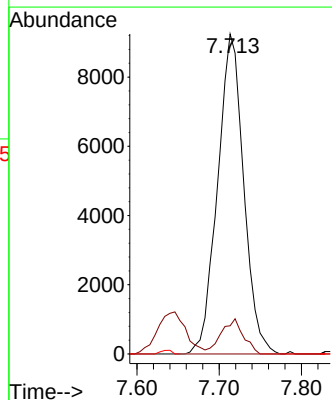
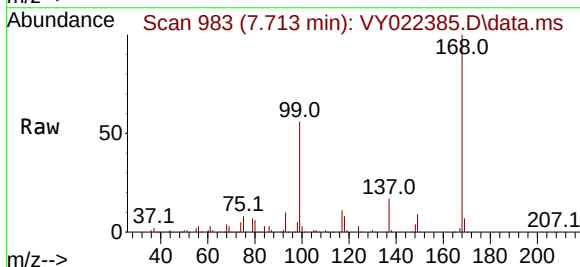
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-1-MHE-VOC

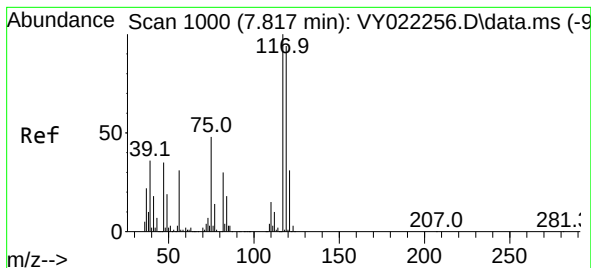
Tgt Ion:113 Resp: 133334  
Ion Ratio Lower Upper  
113 100  
111 102.3 82.6 123.8  
192 18.8 15.2 22.8



#36  
1,1-Dichloropropene  
Concen: 4.684 ug/l  
RT: 7.713 min Scan# 983  
Delta R.T. -0.122 min  
Lab File: VY022385.D  
Acq: 22 May 2025 11:01

Tgt Ion: 75 Resp: 20419  
Ion Ratio Lower Upper  
75 100  
110 9.3 16.6 49.8#  
77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.479 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.104 min

Lab File: VY022385.D

Acq: 22 May 2025 11:01

Instrument :

MSVOA\_Y

ClientSampleId :

TP-1-MHE-VOC

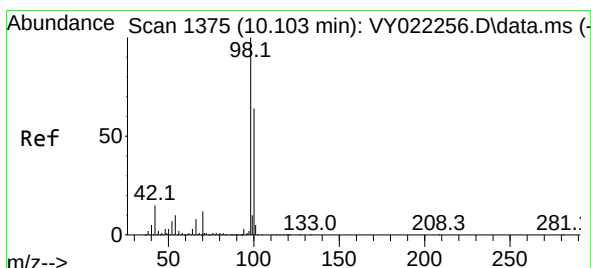
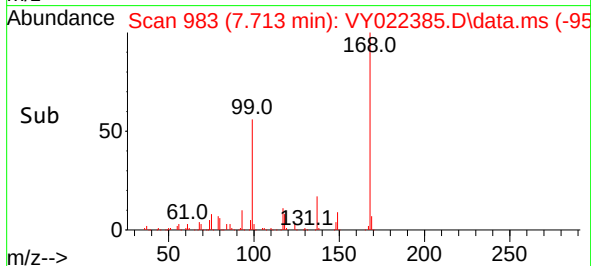
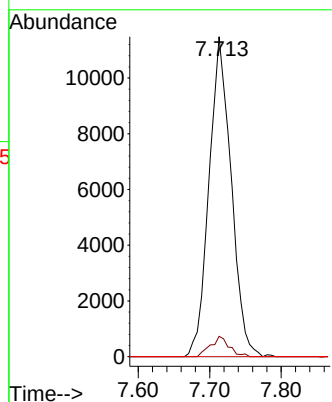
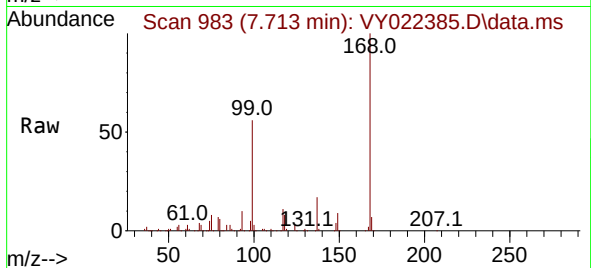
Tgt Ion:117 Resp: 24725

Ion Ratio Lower Upper

117 100

119 6.3 75.3 112.9#

121 0.0 24.7 37.1#



#50

Toluene-d8

Concen: 48.616 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY022385.D

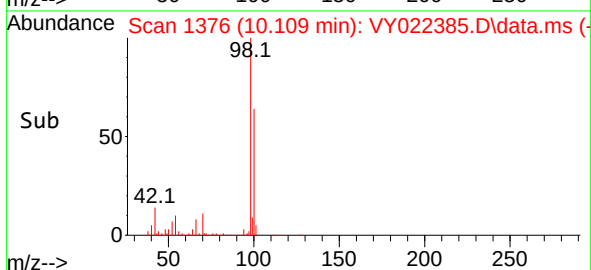
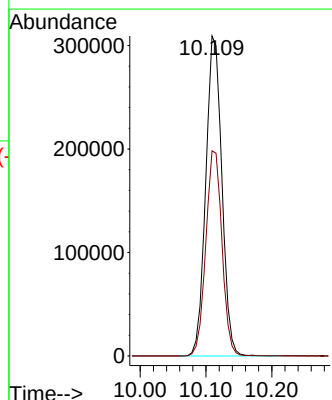
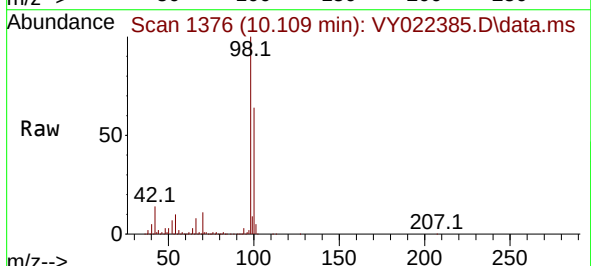
Acq: 22 May 2025 11:01

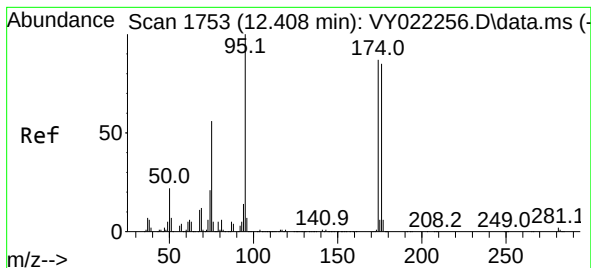
Tgt Ion: 98 Resp: 526971

Ion Ratio Lower Upper

98 100

100 64.5 51.8 77.8

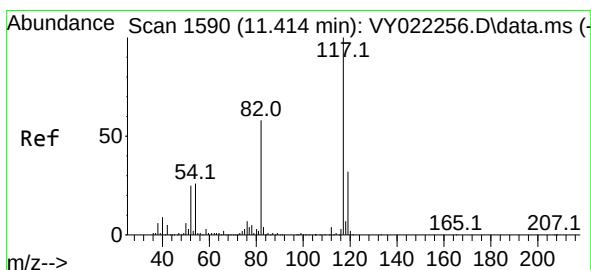
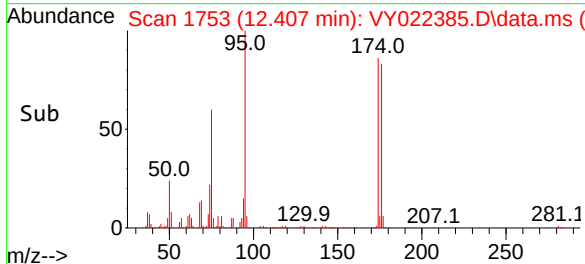
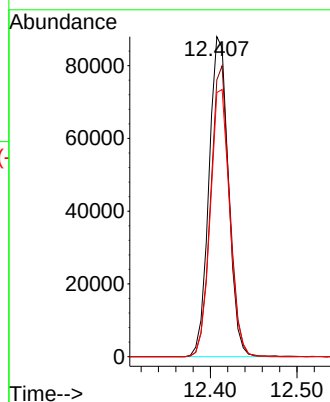
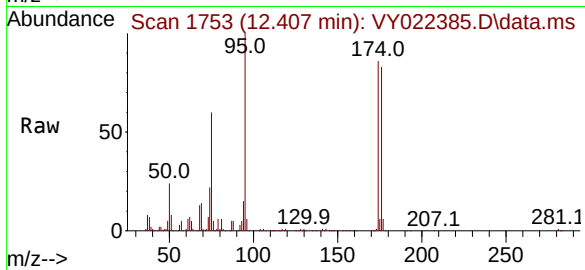




#62  
4-Bromofluorobenzene  
Concen: 39.905 ug/l  
RT: 12.407 min Scan# 1753  
Delta R.T. -0.000 min  
Lab File: VY022385.D  
Acq: 22 May 2025 11:01

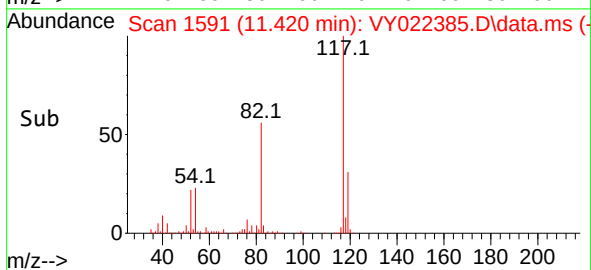
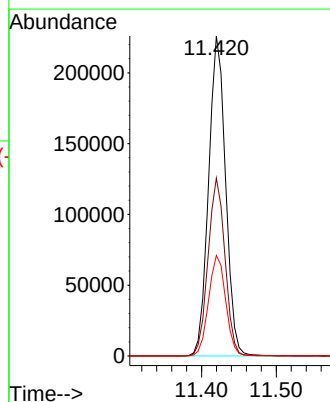
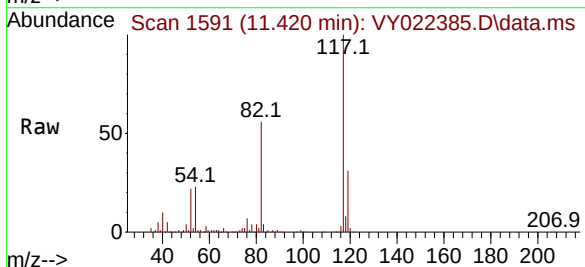
Instrument :  
MSVOA\_Y  
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TP-1-MHE-VOC

Tgt Ion: 95 Resp: 137102  
Ion Ratio Lower Upper  
95 100  
174 88.5 0.0 166.8  
176 83.5 0.0 160.8

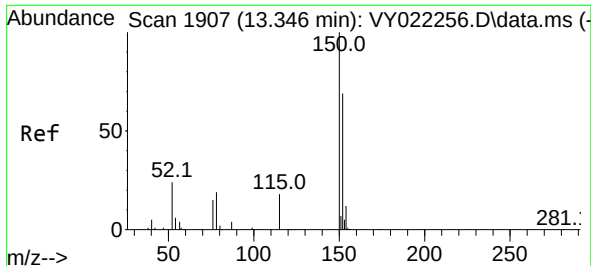


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.420 min Scan# 1591  
Delta R.T. 0.006 min  
Lab File: VY022385.D  
Acq: 22 May 2025 11:01

Tgt Ion: 117 Resp: 356504  
Ion Ratio Lower Upper  
117 100  
82 55.6 46.6 70.0  
119 31.4 25.8 38.6



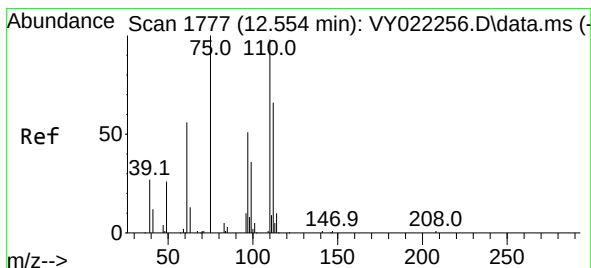
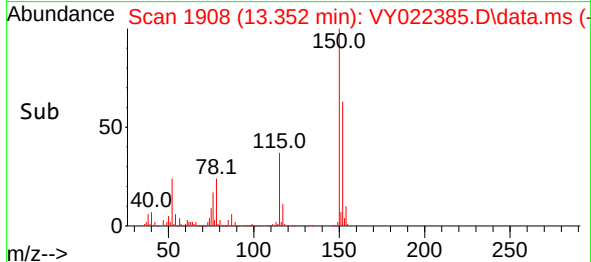
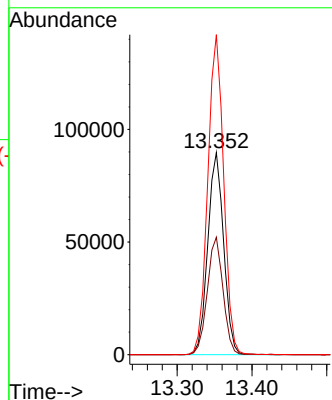
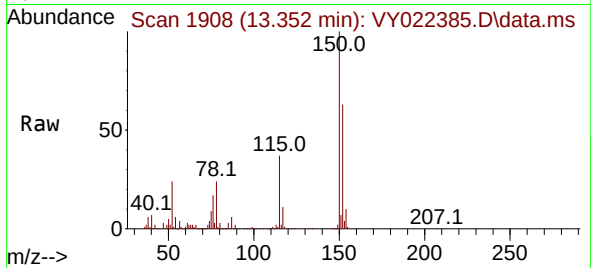




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.352 min Scan# 1907  
 Delta R.T. 0.006 min  
 Lab File: VY022385.D  
 Acq: 22 May 2025 11:01

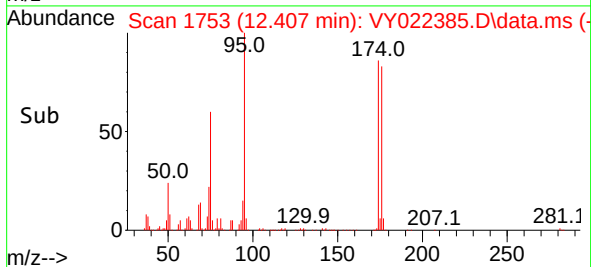
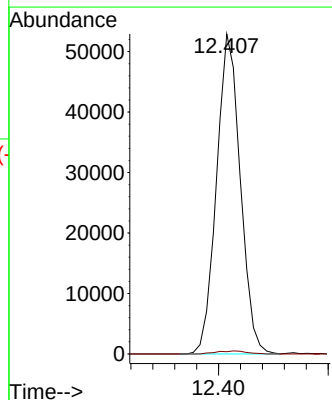
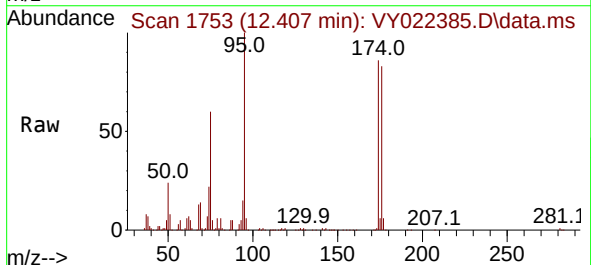
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-1-MHE-VOC

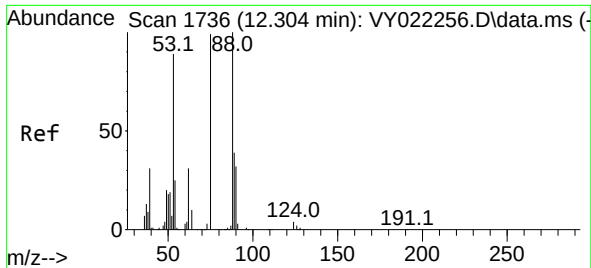
Tgt Ion:152 Resp: 132503  
 Ion Ratio Lower Upper  
 152 100  
 115 57.7 29.4 88.2  
 150 158.4 0.0 353.8



#76  
 1,2,3-Trichloropropane  
 Concen: 59.352 ug/l  
 RT: 12.407 min Scan# 1753  
 Delta R.T. -0.146 min  
 Lab File: VY022385.D  
 Acq: 22 May 2025 11:01

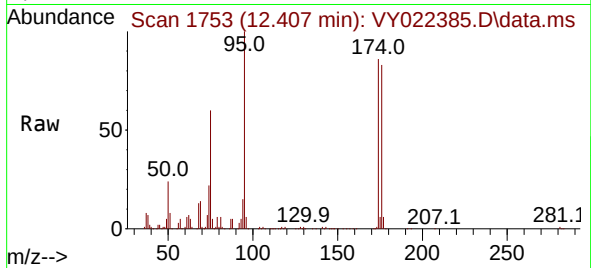
Tgt Ion: 75 Resp: 79674  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 120.232 ug/l  
 RT: 12.407 min Scan# 11  
 Delta R.T. 0.103 min  
 Lab File: VY022385.D  
 Acq: 22 May 2025 11:01

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



| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 75      | 100   |       |        |
| 53      | 0.0   | 75.8  | 113.8# |
| 89      | 0.0   | 36.2  | 54.2#  |

