

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120425\  
 Data File : VY023886.D  
 Acq On : 04 Dec 2025 11:58  
 Operator : SY/MD  
 Sample : VIBLK  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VIBLK

Quant Time: Dec 05 01:44:56 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y120325S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 04 03:49:13 2025  
 Response via : Initial Calibration

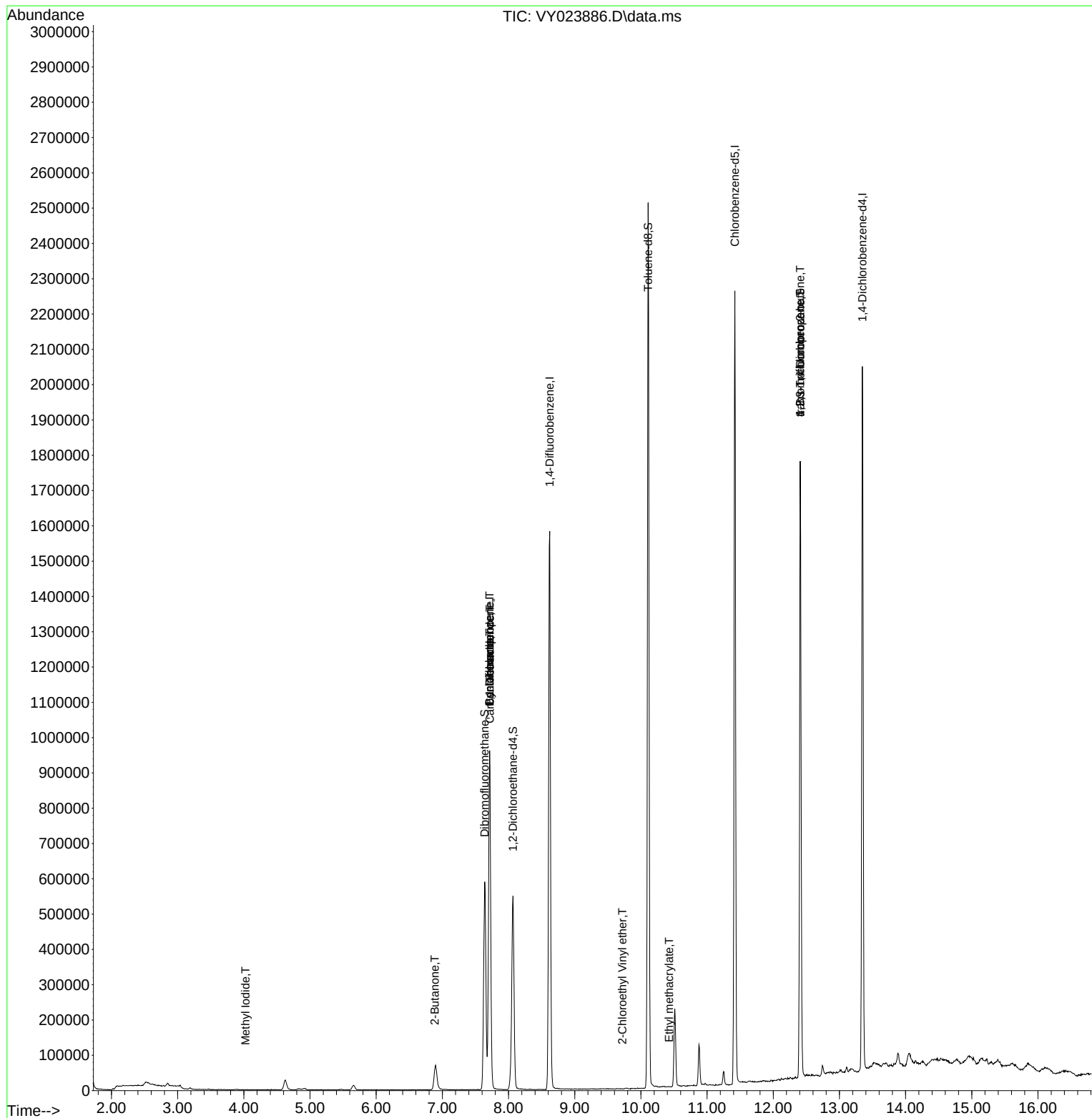
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.713  | 168   | 759696   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.622  | 114   | 1365557  | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.420 | 117   | 1183749  | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346 | 152   | 505214   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.067  | 65    | 410204   | 53.976    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 107.960% |          |
| 35) Dibromofluoromethane      | 7.640  | 113   | 421329   | 48.106    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 96.220%  |          |
| 50) Toluene-d8                | 10.109 | 98    | 1604322  | 47.072    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | = 94.140%  |          |
| 62) 4-Bromofluorobenzene      | 12.408 | 95    | 504059   | 43.361    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | = 86.720%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 10) Methyl Iodide             | 4.025  | 142   | 346      | 2.478     | ug/l #     | 64       |
| 11) Tert butyl alcohol        | 4.836  | 59    | 1587     | Below Cal | #          | 74       |
| 25) 2-Butanone                | 6.884  | 43    | 4485     | 1.634     | ug/l #     | 63       |
| 31) Cyclohexane               | 7.713  | 56    | 15035    | 1.056     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.713  | 75    | 56185    | 4.351     | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 7.719  | 117   | 74144    | 5.202     | ug/l #     | 16       |
| 56) Ethyl methacrylate        | 10.426 | 69    | 210      | 4.170     | ug/l #     | 1        |
| 58) 2-Chloroethyl Vinyl ether | 9.719  | 63    | 24       | 14.723    | ug/l #     | 47       |
| 76) 1,2,3-Trichloropropane    | 12.408 | 75    | 259345   | 51.780    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.408 | 75    | 259345   | 124.019   | ug/l #     | 14       |
| -----                         |        |       |          |           |            |          |

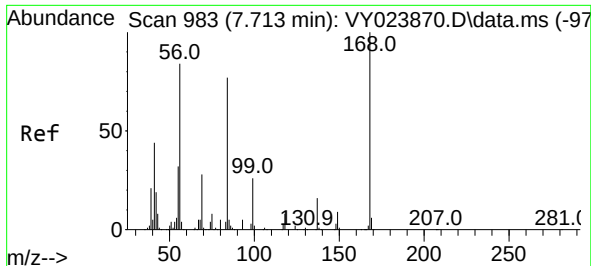
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VIBLK  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

Quant Time: Dec 05 01:44:56 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y120325S.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 04 03:49:13 2025  
Response via : Initial Calibration

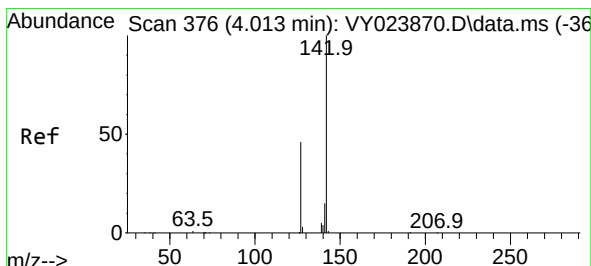
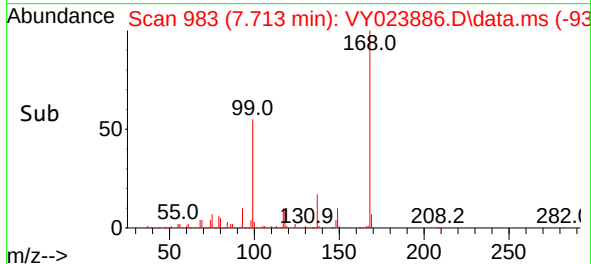
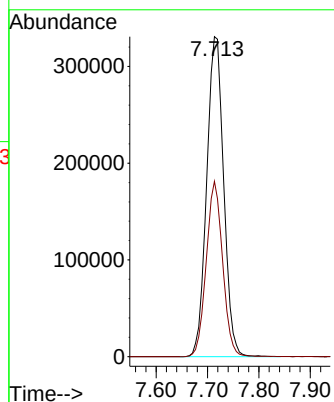
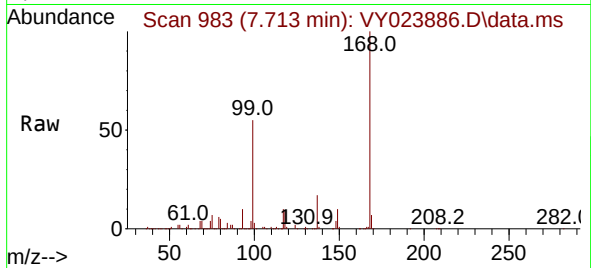




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 983  
Delta R.T. 0.000 min  
Lab File: VY023886.D  
Acq: 04 Dec 2025 11:58

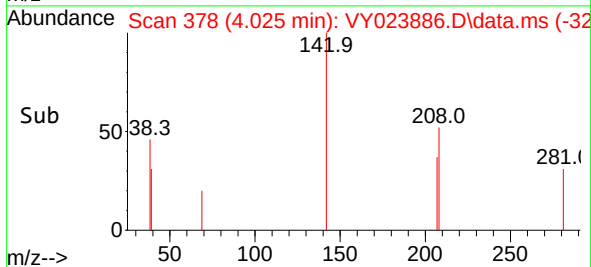
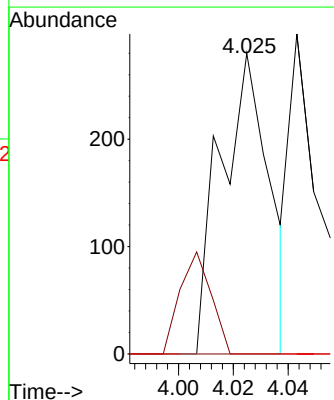
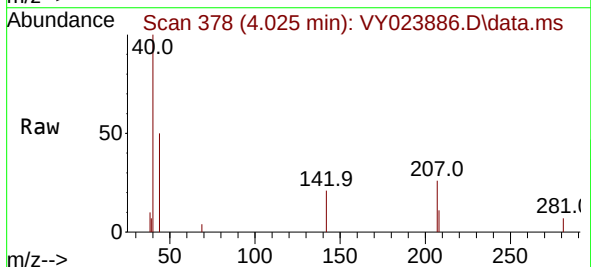
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

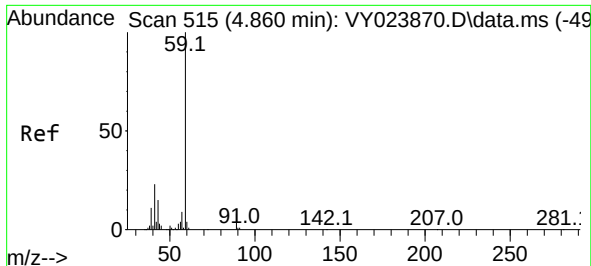
Tgt Ion:168 Resp: 759696  
Ion Ratio Lower Upper  
168 100  
99 54.8 42.5 63.7



#10  
Methyl Iodide  
Concen: 2.478 ug/l  
RT: 4.025 min Scan# 378  
Delta R.T. 0.012 min  
Lab File: VY023886.D  
Acq: 04 Dec 2025 11:58

Tgt Ion:142 Resp: 346  
Ion Ratio Lower Upper  
142 100  
127 21.7 36.1 54.1#  
141 0.0 11.8 17.8#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.836 min Scan# 515

Delta R.T. -0.025 min

Lab File: VY023886.D

Acq: 04 Dec 2025 11:58

Instrument :

MSVOA\_Y

ClientSampleId :

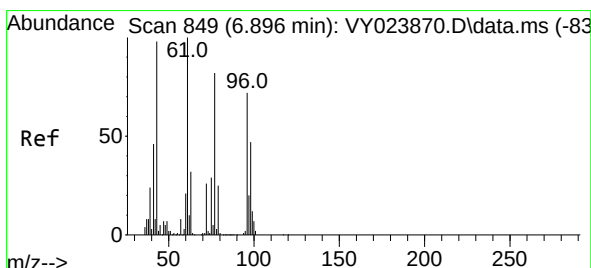
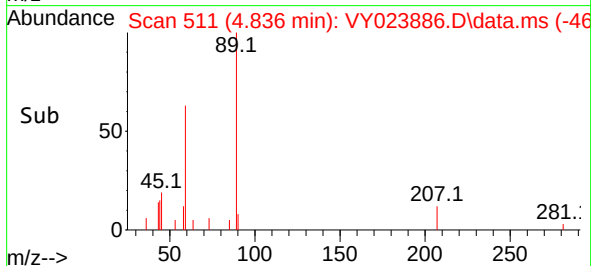
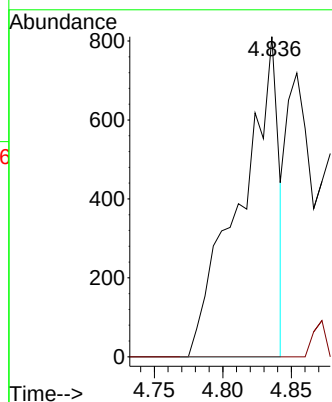
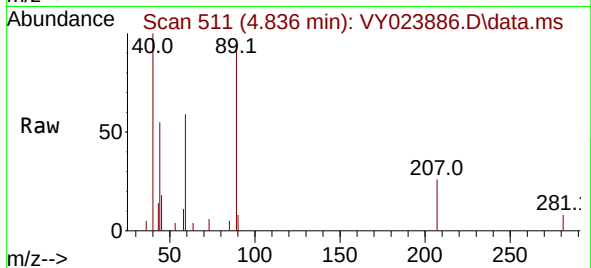
VIBLK

Tgt Ion: 59 Resp: 1587

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



#25

2-Butanone

Concen: 1.634 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.012 min

Lab File: VY023886.D

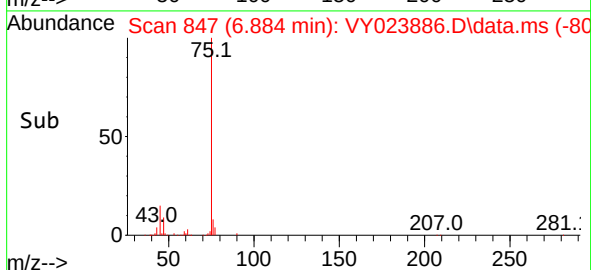
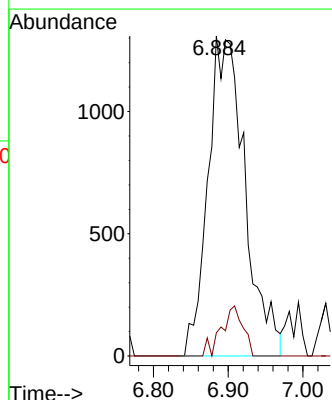
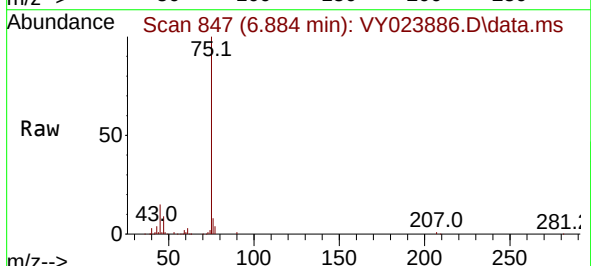
Acq: 04 Dec 2025 11:58

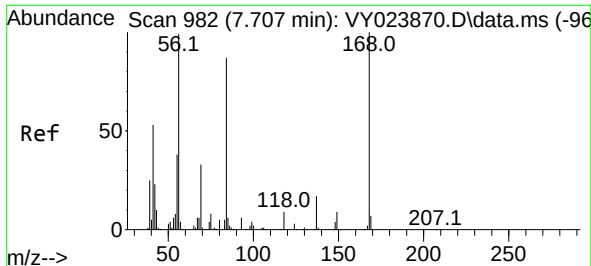
Tgt Ion: 43 Resp: 4485

Ion Ratio Lower Upper

43 100

72 7.3 21.0 31.6#

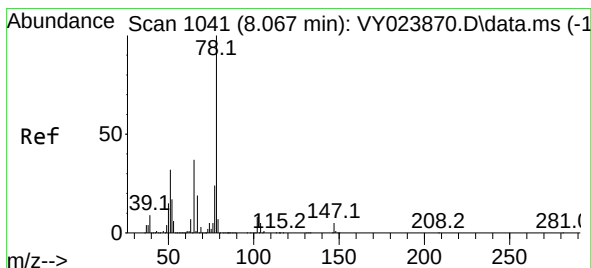
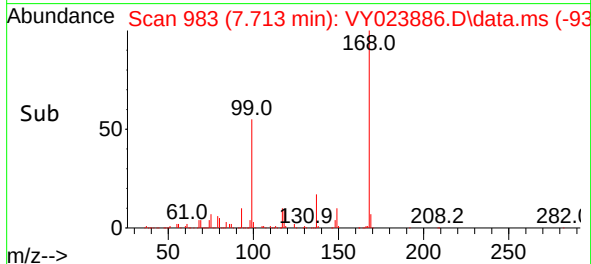
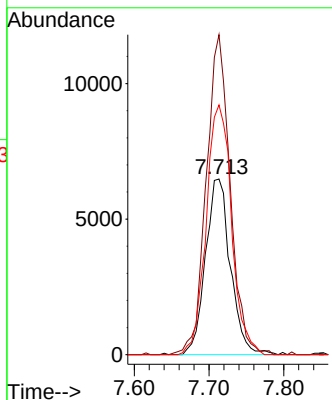
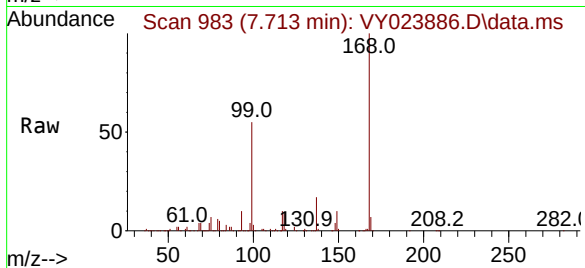




#31  
Cyclohexane  
Concen: 1.056 ug/l  
RT: 7.713 min Scan# 982  
Delta R.T. 0.006 min  
Lab File: VY023886.D  
Acq: 04 Dec 2025 11:58

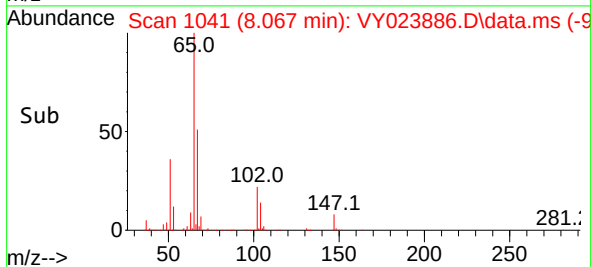
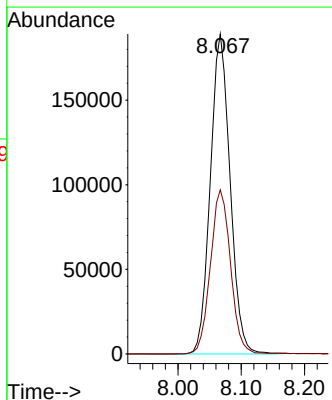
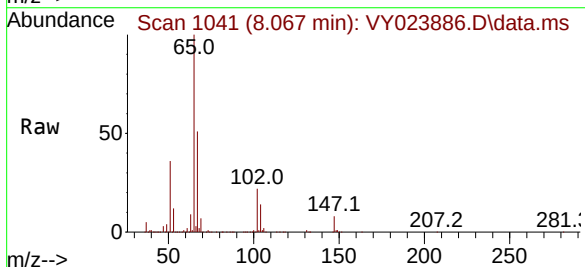
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

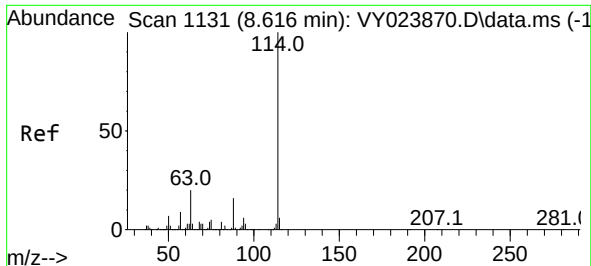
Tgt Ion: 56 Resp: 15035  
Ion Ratio Lower Upper  
56 100  
69 182.1 26.8 40.2#  
84 142.1 70.4 105.6#



#33  
1,2-Dichloroethane-d4  
Concen: 53.976 ug/l  
RT: 8.067 min Scan# 1041  
Delta R.T. -0.000 min  
Lab File: VY023886.D  
Acq: 04 Dec 2025 11:58

Tgt Ion: 65 Resp: 410204  
Ion Ratio Lower Upper  
65 100  
67 52.3 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY023886.D

Acq: 04 Dec 2025 11:58

Instrument :

MSVOA\_Y

ClientSampleId :

VIBLK

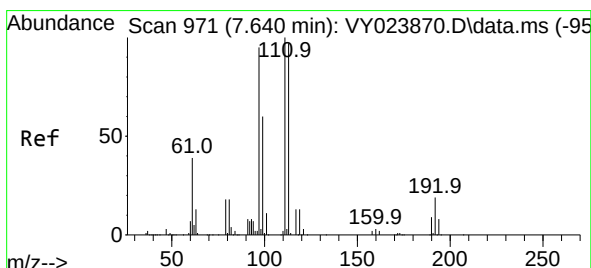
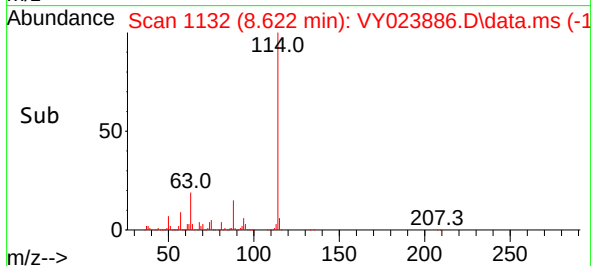
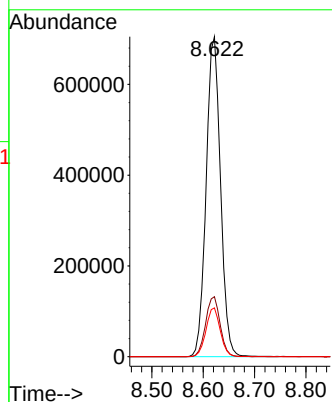
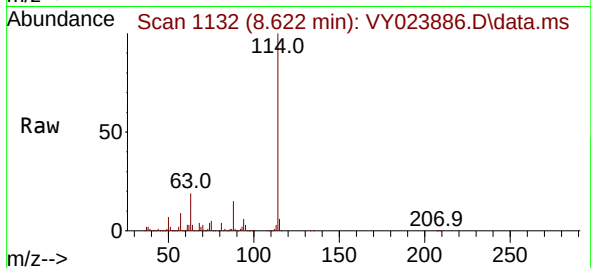
Tgt Ion:114 Resp: 1365557

Ion Ratio Lower Upper

114 100

63 18.8 0.0 39.2

88 15.3 0.0 31.4



#35

Dibromofluoromethane

Concen: 48.106 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY023886.D

Acq: 04 Dec 2025 11:58

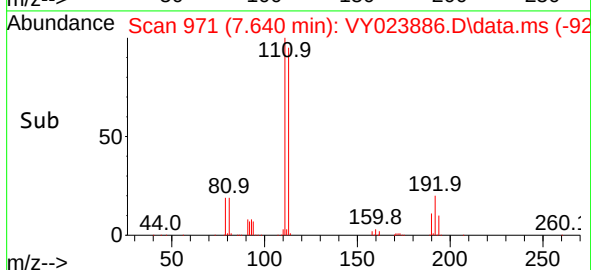
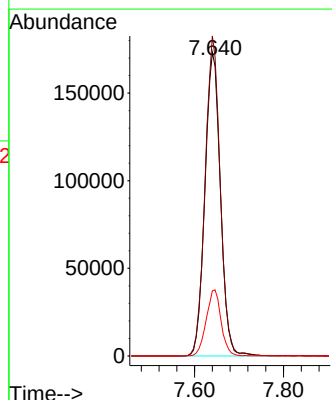
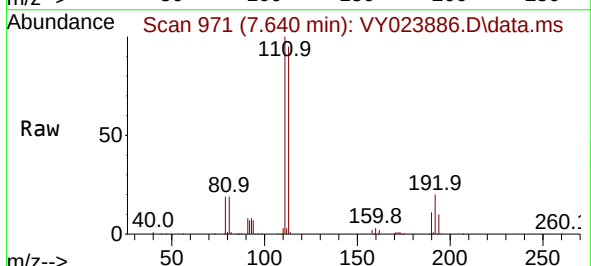
Tgt Ion:113 Resp: 421329

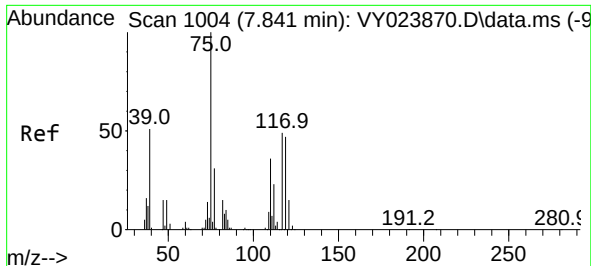
Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.2

192 20.9 15.8 23.8

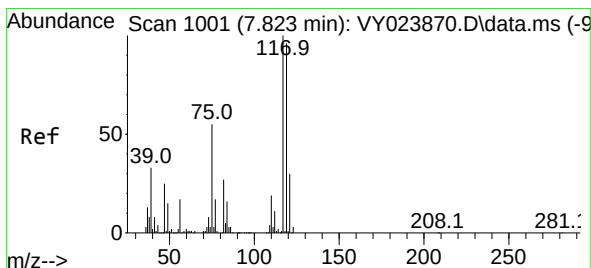
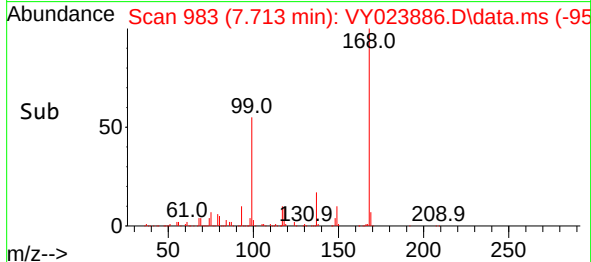
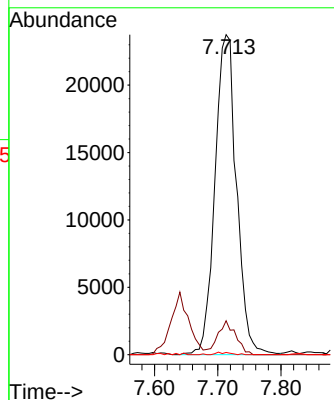
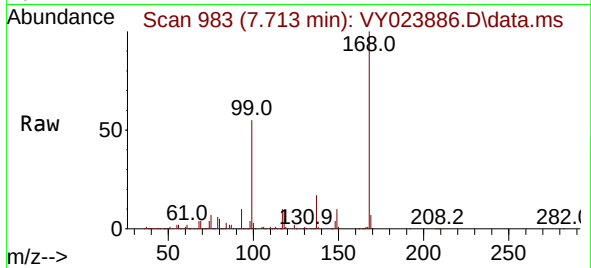




#36  
 1,1-Dichloropropene  
 Concen: 4.351 ug/l  
 RT: 7.713 min Scan# 913  
 Delta R.T. -0.128 min  
 Lab File: VY023886.D  
 Acq: 04 Dec 2025 11:58

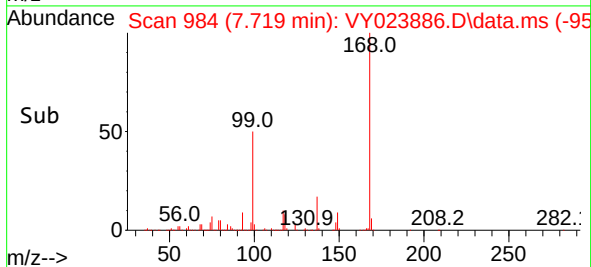
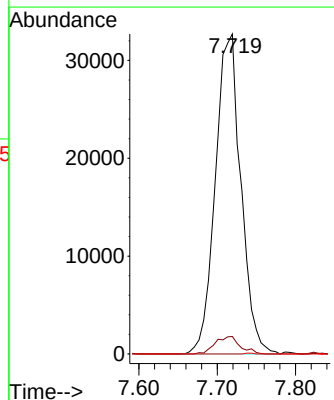
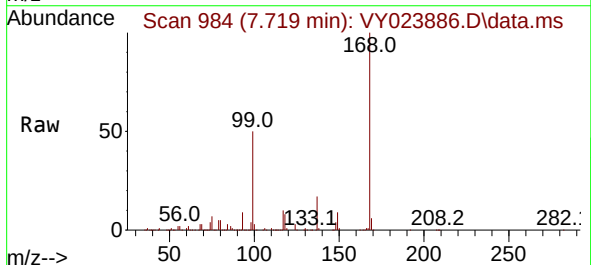
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VIBLK

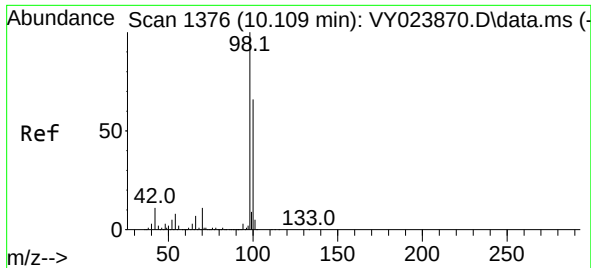
Tgt Ion: 75 Resp: 56185  
 Ion Ratio Lower Upper  
 75 100  
 110 8.7 17.6 52.9#  
 77 0.4 24.6 37.0#



#38  
 Carbon Tetrachloride  
 Concen: 5.202 ug/l  
 RT: 7.719 min Scan# 984  
 Delta R.T. -0.104 min  
 Lab File: VY023886.D  
 Acq: 04 Dec 2025 11:58

Tgt Ion: 117 Resp: 74144  
 Ion Ratio Lower Upper  
 117 100  
 119 5.4 77.0 115.6#  
 121 0.0 23.9 35.9#

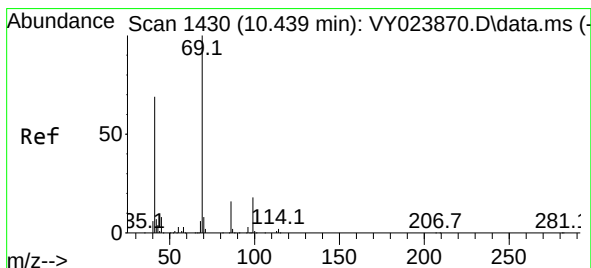
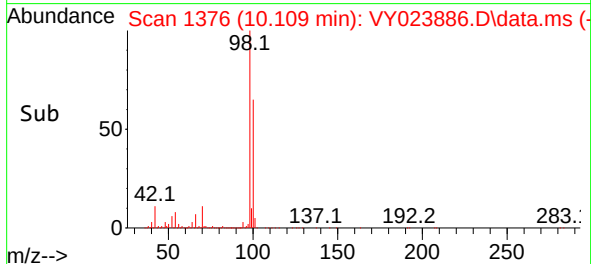
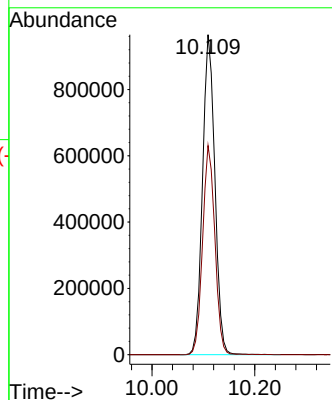
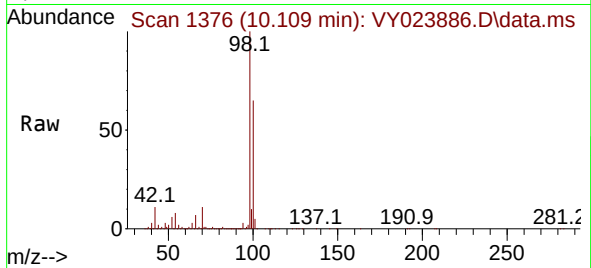




#50  
Toluene-d8  
Concen: 47.072 ug/l  
RT: 10.109 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY023886.D  
Acq: 04 Dec 2025 11:58

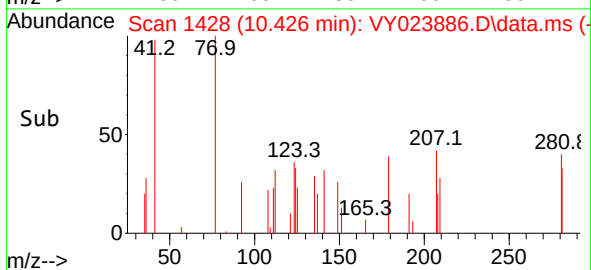
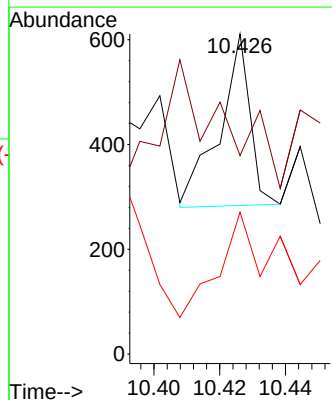
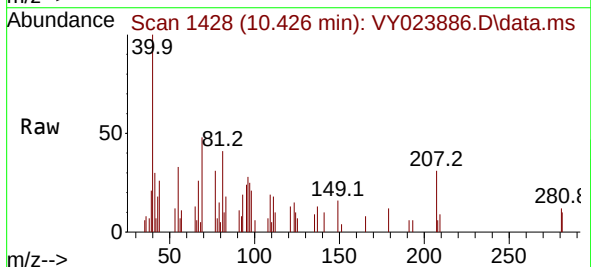
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

Tgt Ion: 98 Resp: 1604322  
Ion Ratio Lower Upper  
98 100  
100 65.1 52.5 78.7

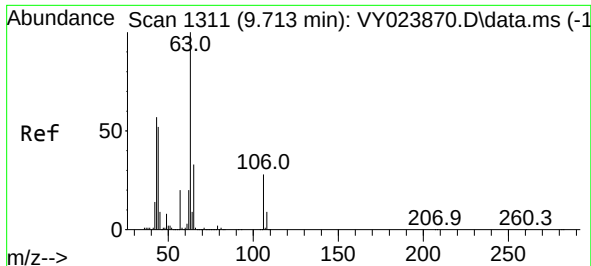


#56  
Ethyl methacrylate  
Concen: 4.170 ug/l  
RT: 10.426 min Scan# 1428  
Delta R.T. -0.012 min  
Lab File: VY023886.D  
Acq: 04 Dec 2025 11:58

Tgt Ion: 69 Resp: 210  
Ion Ratio Lower Upper  
69 100  
41 0.0 52.5 78.7#  
39 148.6 27.1 40.7#



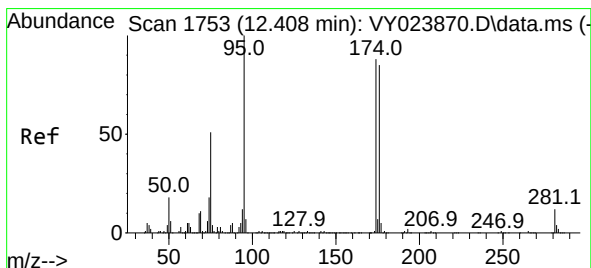
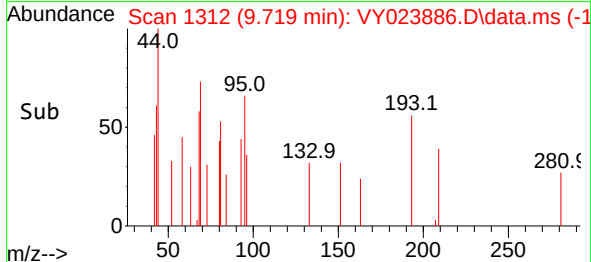
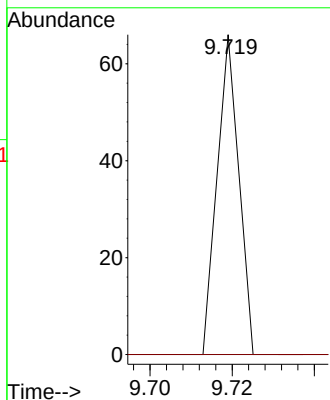
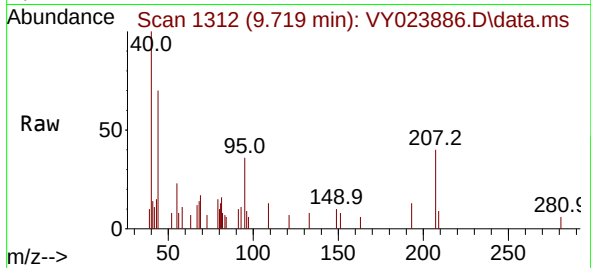




#58  
2-Chloroethyl Vinyl ether  
Concen: 14.723 ug/l  
RT: 9.719 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY023886.D  
Acq: 04 Dec 2025 11:58

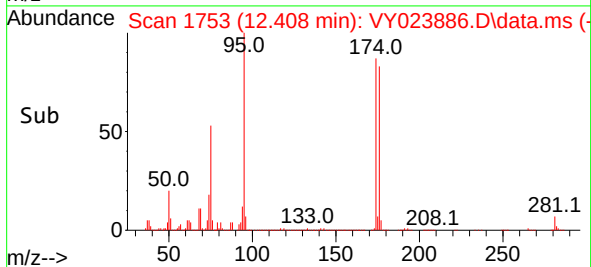
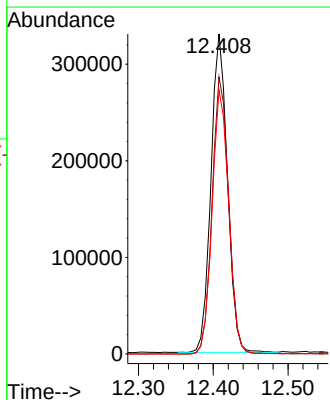
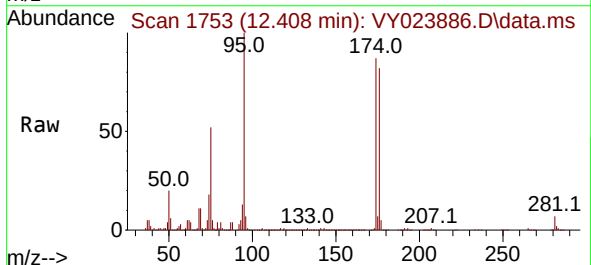
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

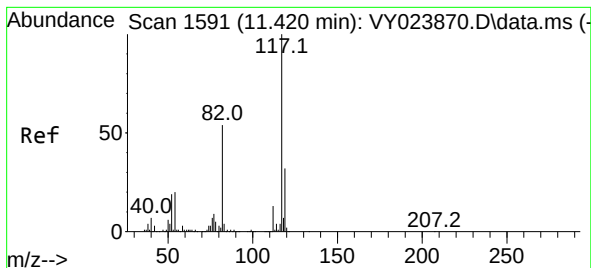
Tgt Ion: 63 Resp: 24  
Ion Ratio Lower Upper  
63 100  
106 0.0 22.5 33.7#



#62  
4-Bromofluorobenzene  
Concen: 43.361 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. -0.000 min  
Lab File: VY023886.D  
Acq: 04 Dec 2025 11:58

Tgt Ion: 95 Resp: 504059  
Ion Ratio Lower Upper  
95 100  
174 87.6 0.0 169.6  
176 84.0 0.0 164.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023886.D

Acq: 04 Dec 2025 11:58

Instrument :

MSVOA\_Y

ClientSampleId :

VIBLK

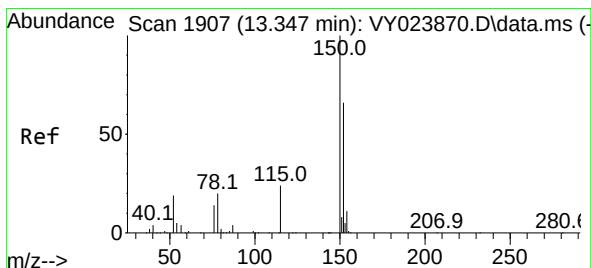
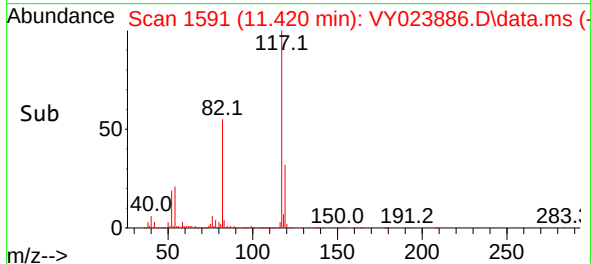
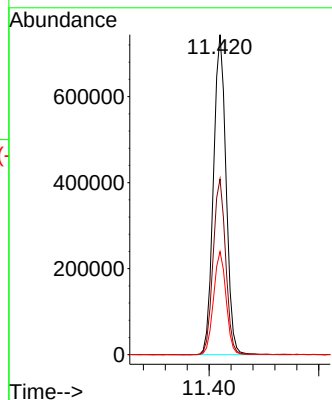
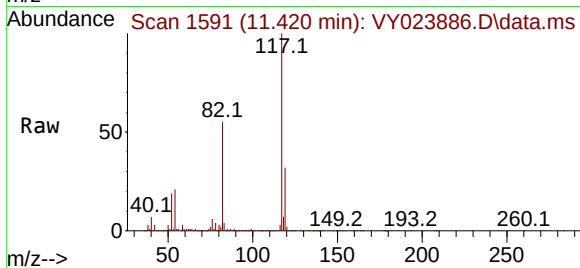
Tgt Ion:117 Resp: 1183749

Ion Ratio Lower Upper

117 100

82 54.9 43.1 64.7

119 32.2 26.0 39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023886.D

Acq: 04 Dec 2025 11:58

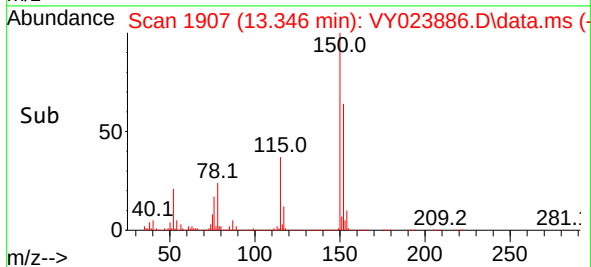
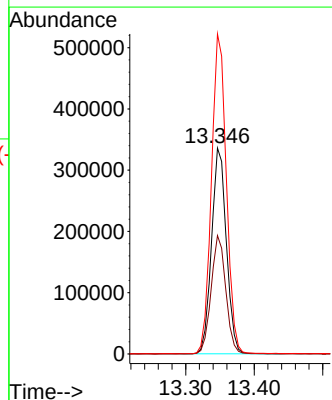
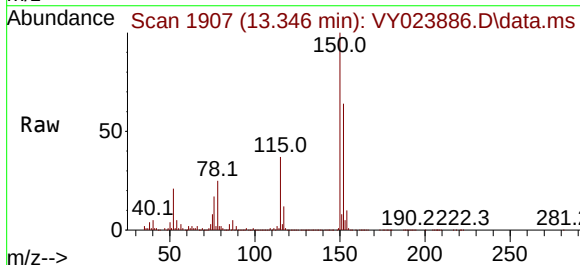
Tgt Ion:152 Resp: 505214

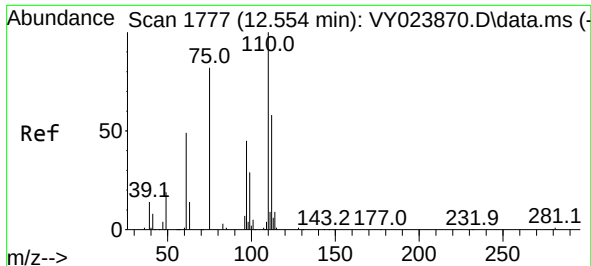
Ion Ratio Lower Upper

152 100

115 56.8 28.8 86.4

150 156.2 0.0 352.2

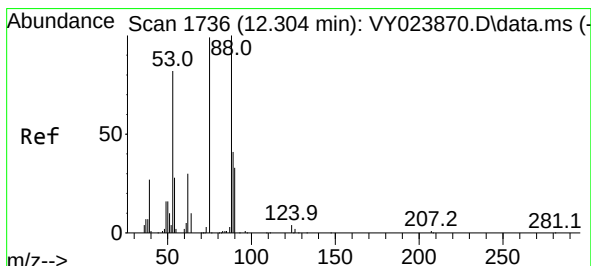
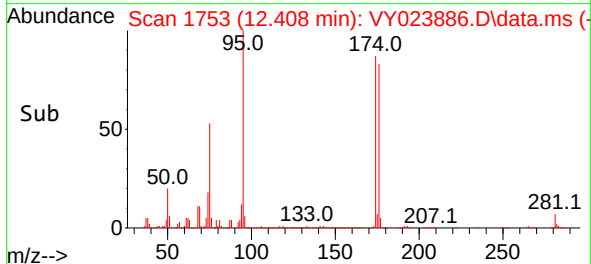
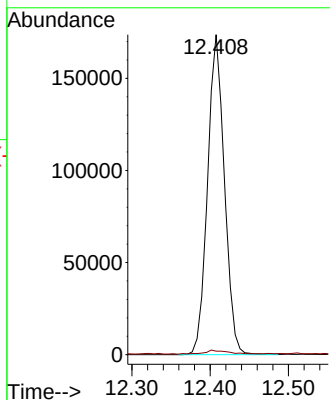
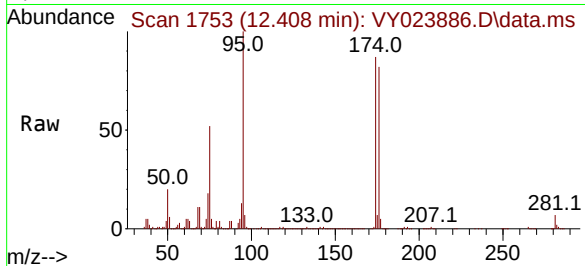




#76  
1,2,3-Trichloropropane  
Concen: 51.780 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. -0.146 min  
Lab File: VY023886.D  
Acq: 04 Dec 2025 11:58

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

Tgt Ion: 75 Resp: 259345  
Ion Ratio Lower Upper  
75 100  
77 1.8 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 124.019 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.104 min  
Lab File: VY023886.D  
Acq: 04 Dec 2025 11:58

Tgt Ion: 75 Resp: 259345  
Ion Ratio Lower Upper  
75 100  
53 0.1 71.1 106.7#  
89 0.2 36.3 54.5#

