

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120425\  
 Data File : VY023888.D  
 Acq On : 04 Dec 2025 12:45  
 Operator : SY/MD  
 Sample : Q3742-16  
 Misc : 4.78g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-1125-1

Quant Time: Dec 05 01:45:41 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

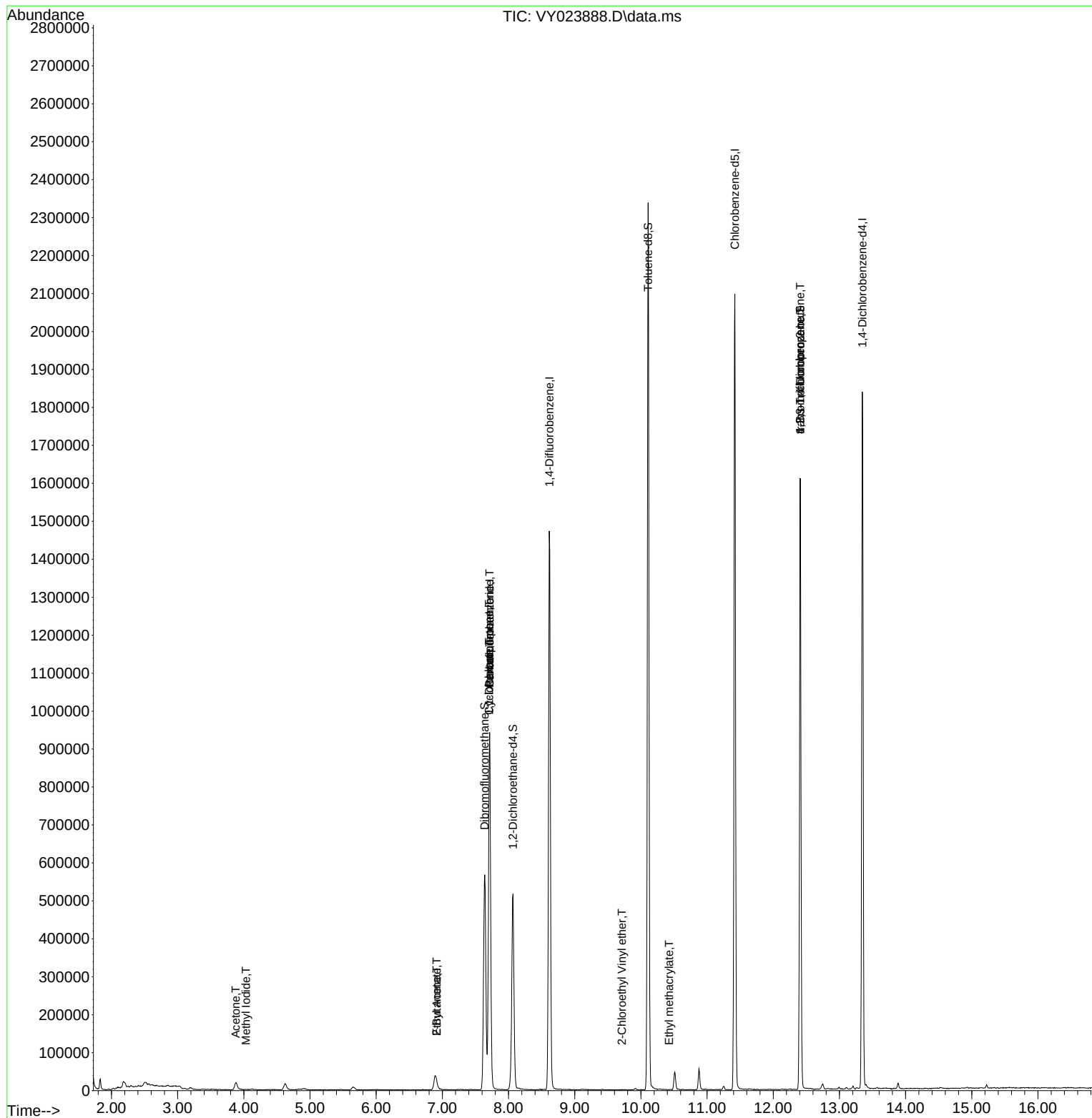
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 7.713          | 168  | 757757              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.616          | 114  | 1302856             | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.420         | 117  | 1139174             | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346         | 152  | 483490              | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.067          | 65   | 393758              | 51.945    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 103.880% |           |        |          |
| 35) Dibromofluoromethane      | 7.640          | 113  | 413300              | 49.460    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 98.920%  |           |        |          |
| 50) Toluene-d8                | 10.109         | 98   | 1515318             | 46.601    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 134 |      | Recovery = 93.200%  |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.408         | 95   | 464930              | 41.920    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 30 - 143 |      | Recovery = 83.840%  |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      | Qvalue              |           |        |          |
| 10) Methyl Iodide             | 4.031          | 142  | 742                 | 2.522     | ug/l # | 48       |
| 11) Tert butyl alcohol        | 4.842          | 59   | 2140                | Below Cal | #      | 74       |
| 16) Acetone                   | 3.879          | 43   | 35241               | 15.515    | ug/l   | 96       |
| 20) Methylene Chloride        | 4.622          | 84   | 11758               | Below Cal |        | 97       |
| 25) 2-Butanone                | 6.915          | 43   | 6383                | 2.331     | ug/l # | 83       |
| 31) Cyclohexane               | 7.707          | 56   | 14786               | 1.042     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.707          | 75   | 53639               | 4.353     | ug/l # | 50       |
| 37) Ethyl Acetate             | 6.915          | 43   | 6383                | 1.122     | ug/l # | 69       |
| 38) Carbon Tetrachloride      | 7.713          | 117  | 71477               | 5.256     | ug/l # | 16       |
| 56) Ethyl methacrylate        | 10.426         | 69   | 151                 | 4.166     | ug/l # | 35       |
| 58) 2-Chloroethyl Vinyl ether | 9.713          | 63   | 52                  | 14.729    | ug/l # | 47       |
| 76) 1,2,3-Trichloropropane    | 12.408         | 75   | 236157              | 49.269    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.408         | 75   | 236157              | 118.005   | ug/l # | 14       |
| -----                         |                |      |                     |           |        |          |

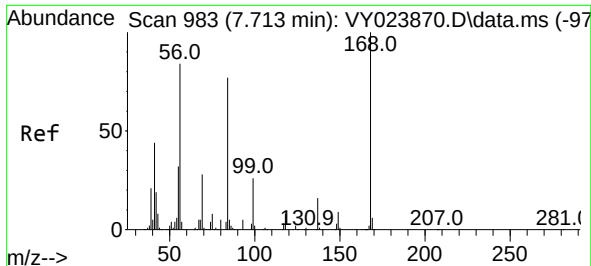
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120425\  
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Instrument :  
MSVOA\_Y  
ClientSampleId :  
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Quant Title : SW846 8260  
QLast Update : Thu Dec 04 03:49:13 2025  
Response via : Initial Calibration

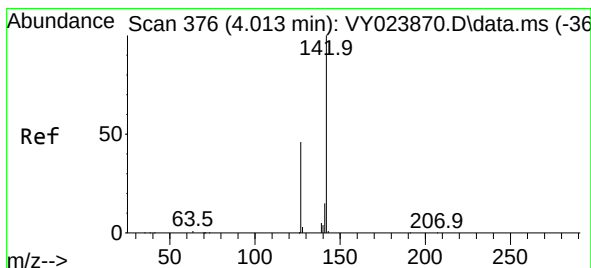
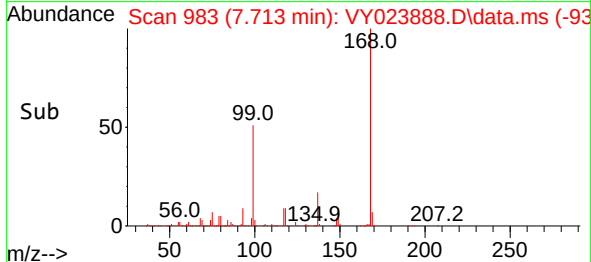
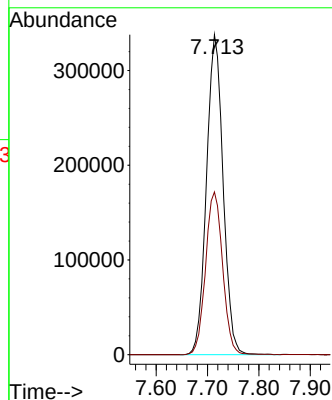
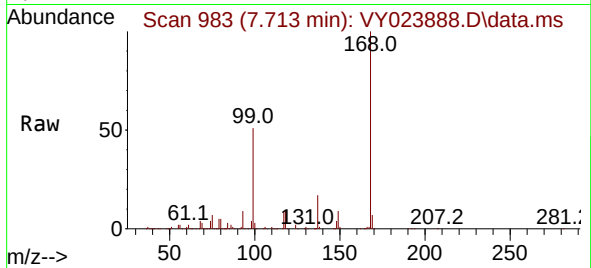




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 983  
Delta R.T. 0.000 min  
Lab File: VY023888.D  
Acq: 04 Dec 2025 12:45

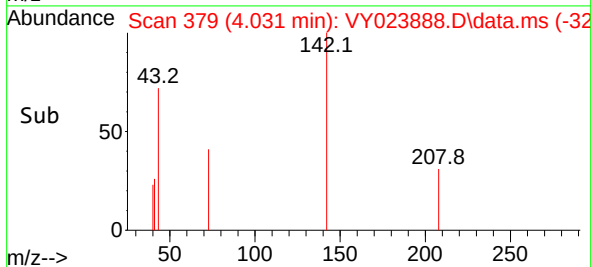
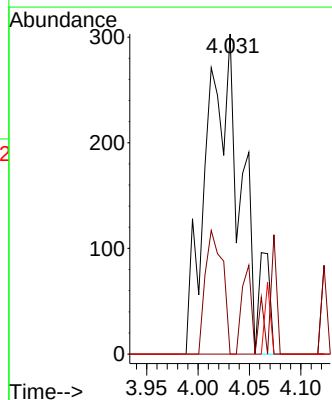
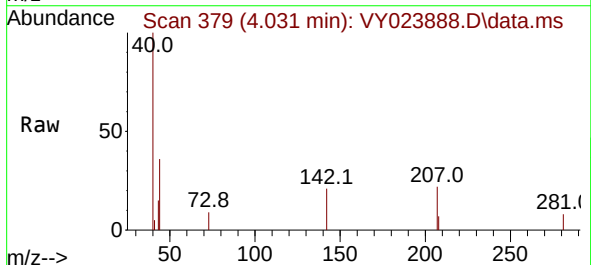
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1125-1

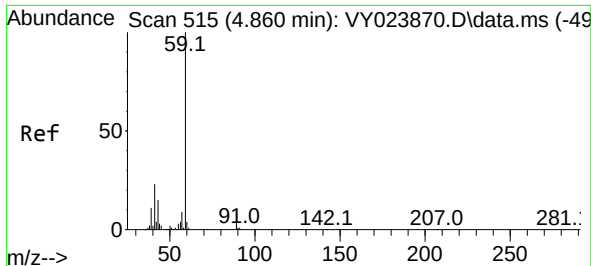
Tgt Ion:168 Resp: 757757  
Ion Ratio Lower Upper  
168 100  
99 50.9 42.5 63.7



#10  
Methyl Iodide  
Concen: 2.522 ug/l  
RT: 4.031 min Scan# 379  
Delta R.T. 0.018 min  
Lab File: VY023888.D  
Acq: 04 Dec 2025 12:45

Tgt Ion:142 Resp: 742  
Ion Ratio Lower Upper  
142 100  
127 7.3 36.1 54.1#  
141 0.0 11.8 17.8#

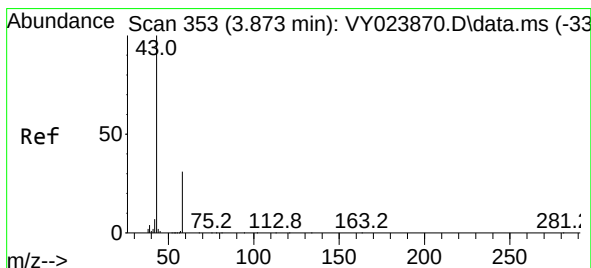
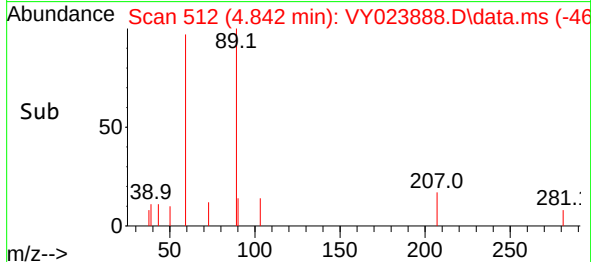
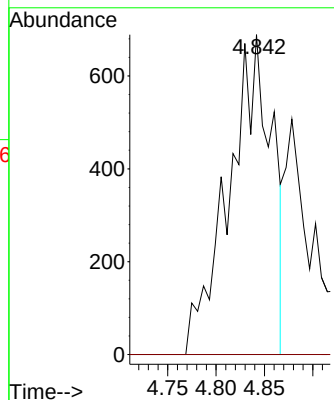
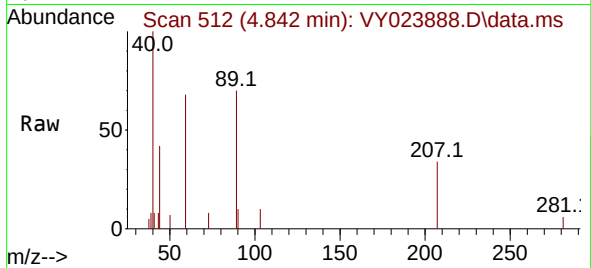




#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.842 min Scan# 515  
Delta R.T. -0.018 min  
Lab File: VY023888.D  
Acq: 04 Dec 2025 12:45

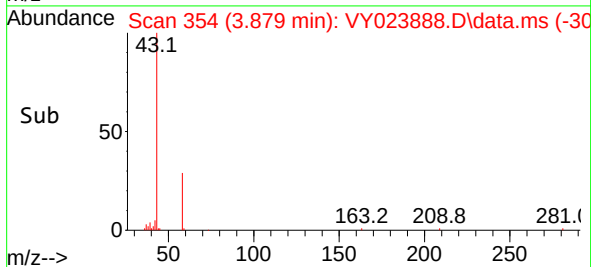
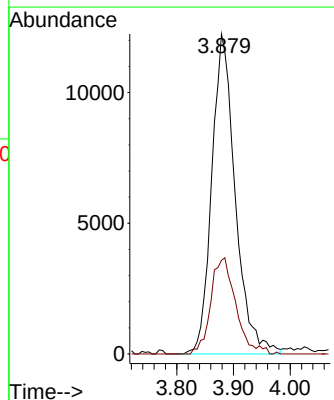
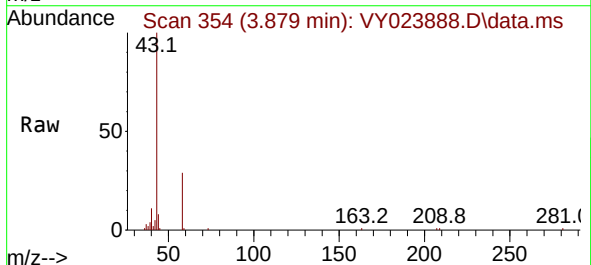
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1125-1

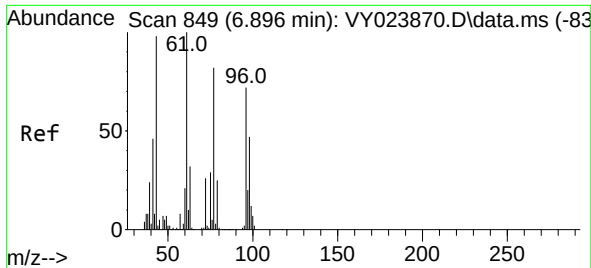
Tgt Ion: 59 Resp: 2140  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.7 11.5#



#16  
Acetone  
Concen: 15.515 ug/l  
RT: 3.879 min Scan# 354  
Delta R.T. 0.006 min  
Lab File: VY023888.D  
Acq: 04 Dec 2025 12:45

Tgt Ion: 43 Resp: 35241  
Ion Ratio Lower Upper  
43 100  
58 29.2 25.1 37.7

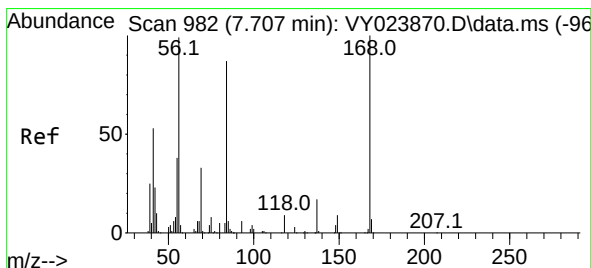
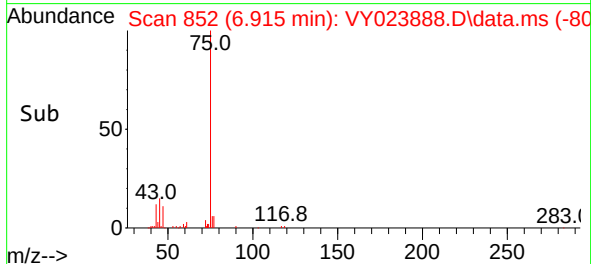
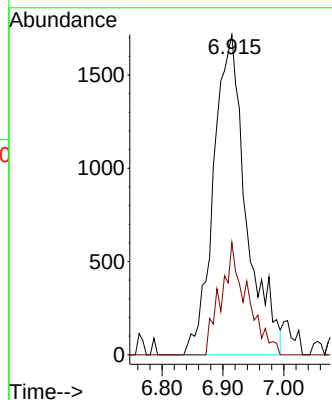
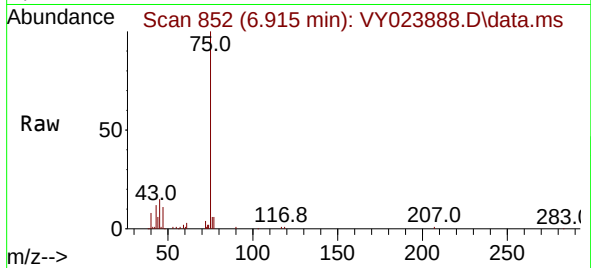




#25  
2-Butanone  
Concen: 2.331 ug/l  
RT: 6.915 min Scan# 849  
Delta R.T. 0.018 min  
Lab File: VY023888.D  
Acq: 04 Dec 2025 12:45

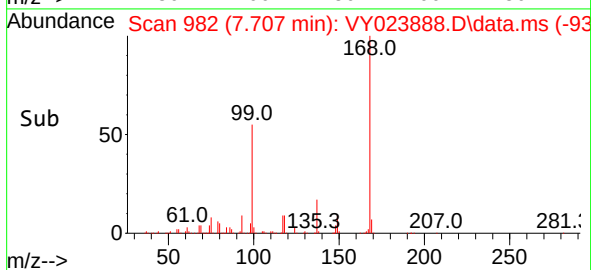
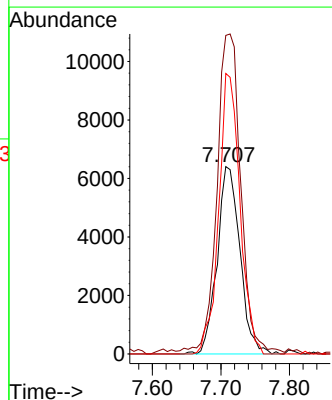
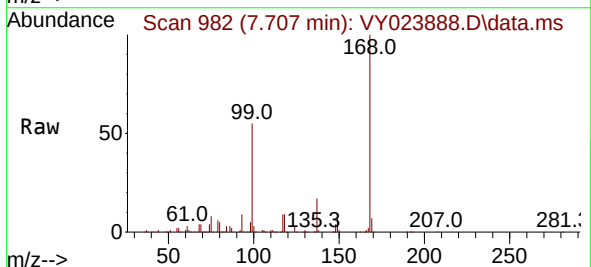
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1125-1

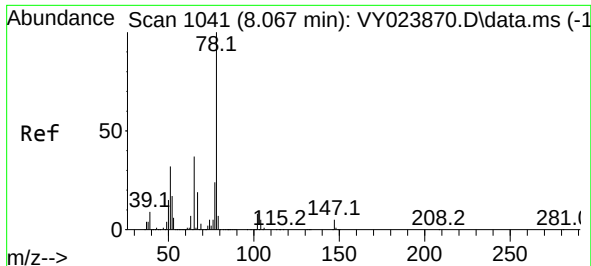
Tgt Ion: 43 Resp: 6383  
Ion Ratio Lower Upper  
43 100  
72 35.1 21.0 31.6#



#31  
Cyclohexane  
Concen: 1.042 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. -0.000 min  
Lab File: VY023888.D  
Acq: 04 Dec 2025 12:45

Tgt Ion: 56 Resp: 14786  
Ion Ratio Lower Upper  
56 100  
69 168.3 26.8 40.2#  
84 149.7 70.4 105.6#





#33

1,2-Dichloroethane-d4

Concen: 51.945 ug/l

RT: 8.067 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY023888.D

Acq: 04 Dec 2025 12:45

Instrument :

MSVOA\_Y

ClientSampleId :

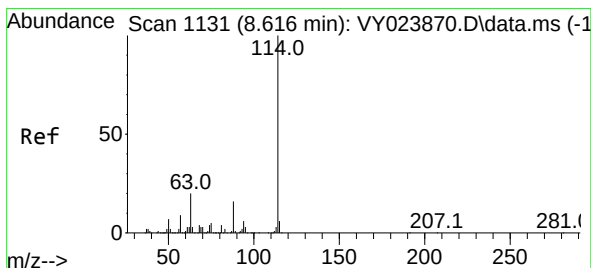
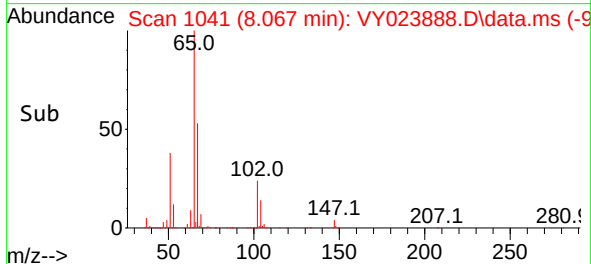
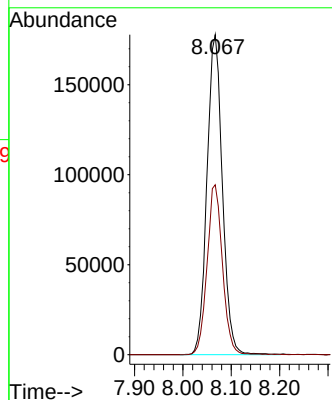
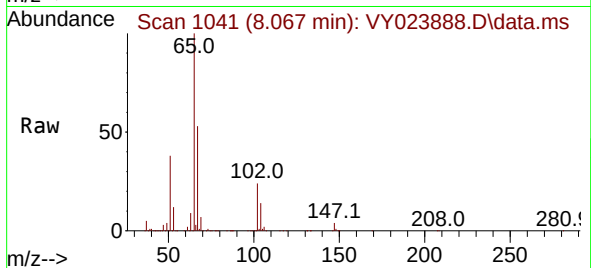
SB-1125-1

Tgt Ion: 65 Resp: 393758

Ion Ratio Lower Upper

65 100

67 53.0 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023888.D

Acq: 04 Dec 2025 12:45

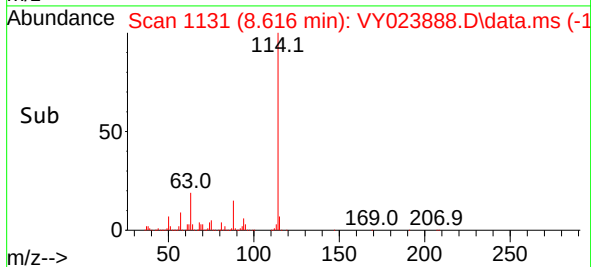
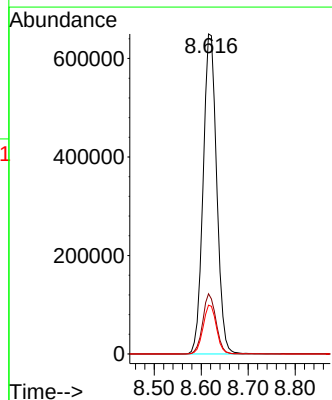
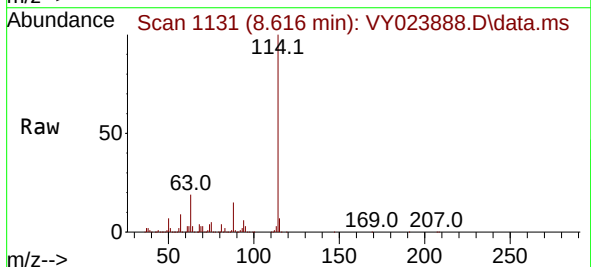
Tgt Ion: 114 Resp: 1302856

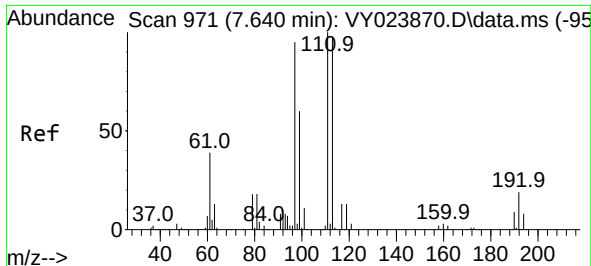
Ion Ratio Lower Upper

114 100

63 18.8 0.0 39.2

88 15.3 0.0 31.4

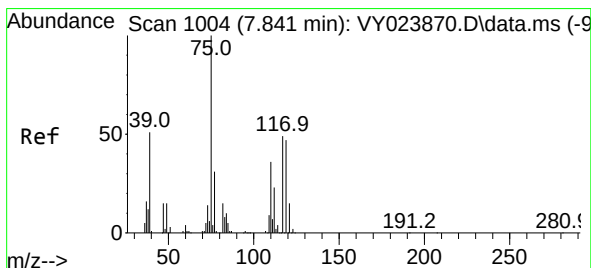
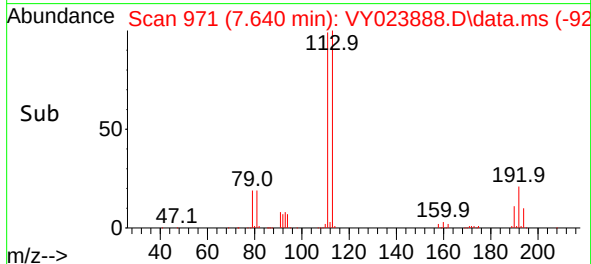
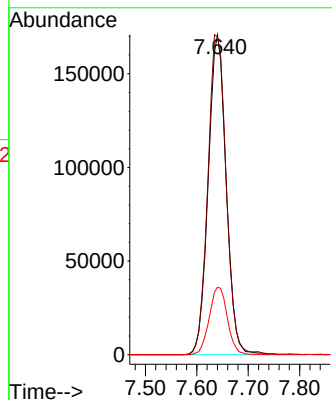
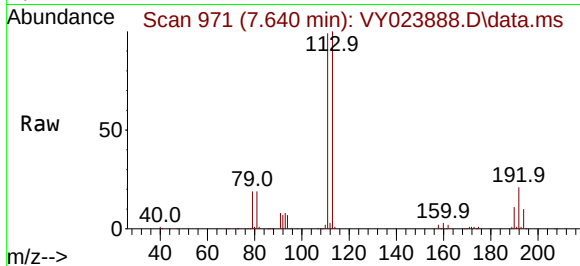




#35  
Dibromofluoromethane  
Concen: 49.460 ug/l  
RT: 7.640 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY023888.D  
Acq: 04 Dec 2025 12:45

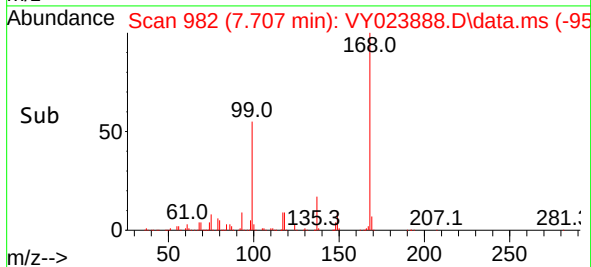
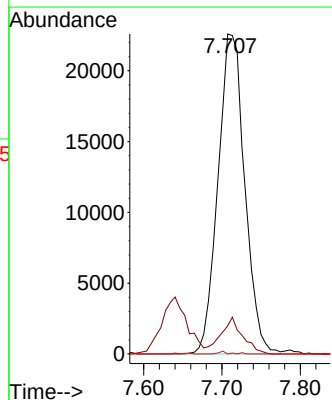
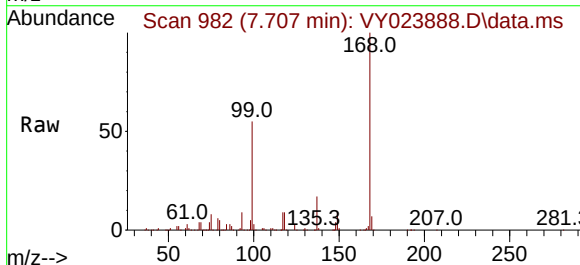
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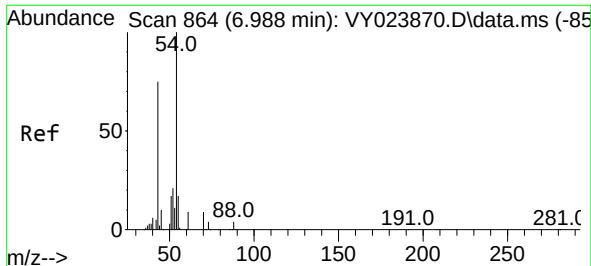
Tgt Ion:113 Resp: 413300  
Ion Ratio Lower Upper  
113 100  
111 102.7 82.2 123.2  
192 21.4 15.8 23.8



#36  
1,1-Dichloropropene  
Concen: 4.353 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. -0.134 min  
Lab File: VY023888.D  
Acq: 04 Dec 2025 12:45

Tgt Ion: 75 Resp: 53639  
Ion Ratio Lower Upper  
75 100  
110 9.4 17.6 52.9#  
77 0.2 24.6 37.0#





#37

Ethyl Acetate

Concen: 1.122 ug/l

RT: 6.915 min Scan# 81

Delta R.T. -0.073 min

Lab File: VY023888.D

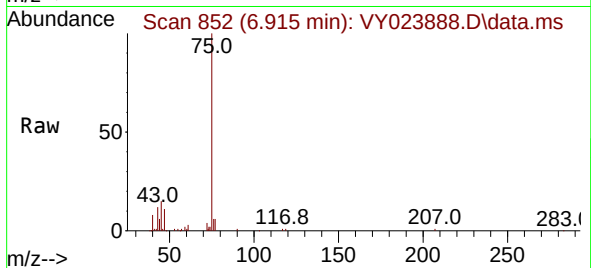
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Instrument :

MSVOA\_Y

ClientSampleId :

SB-1125-1



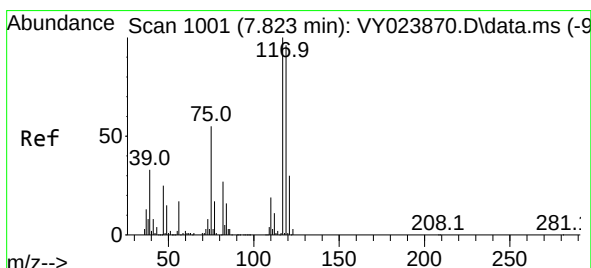
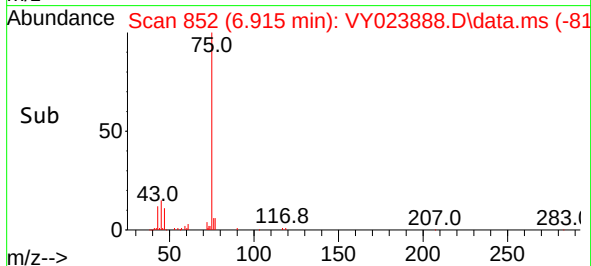
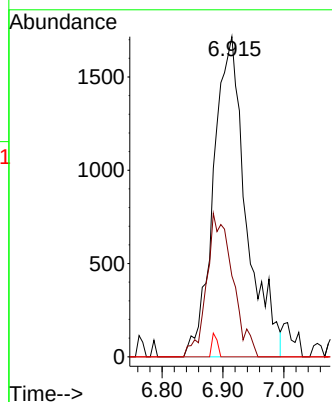
Tgt Ion: 43 Resp: 6383

Ion Ratio Lower Upper

43 100

61 0.0 11.0 16.4#

70 0.0 8.1 12.1#



#38

Carbon Tetrachloride

Concen: 5.256 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.110 min

Lab File: VY023888.D

Acq: 04 Dec 2025 12:45

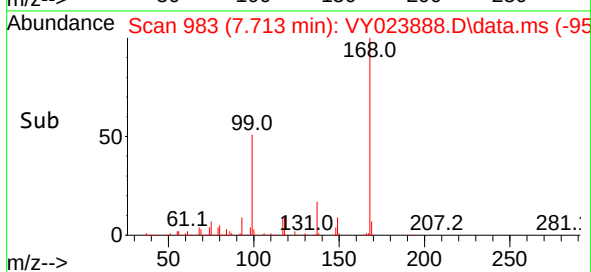
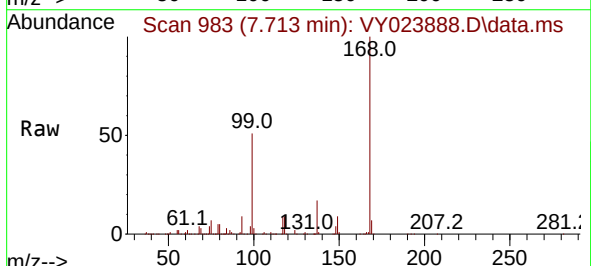
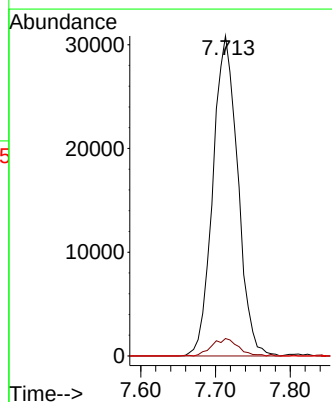
Tgt Ion: 117 Resp: 71477

Ion Ratio Lower Upper

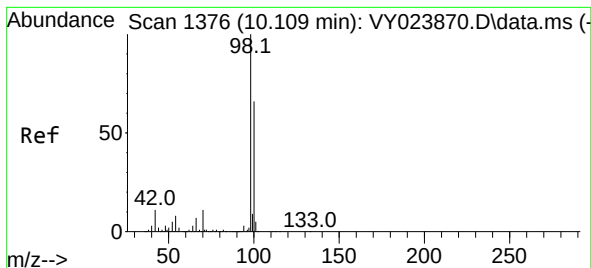
117 100

119 5.4 77.0 115.6#

121 0.0 23.9 35.9#







#50

Toluene-d8

Concen: 46.601 ug/l

RT: 10.109 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023888.D

Acq: 04 Dec 2025 12:45

Instrument :

MSVOA\_Y

ClientSampleId :

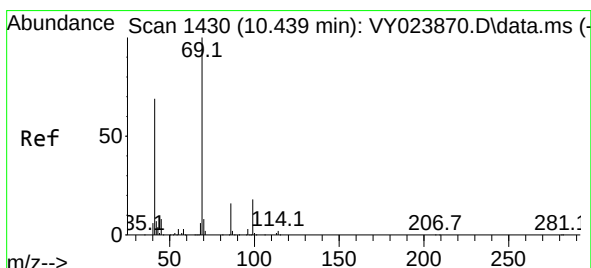
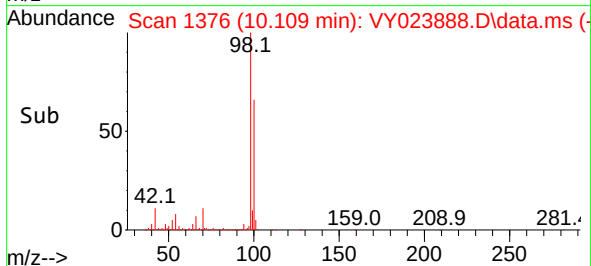
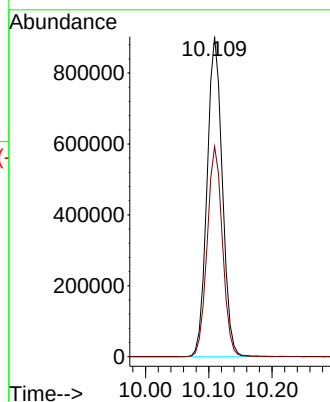
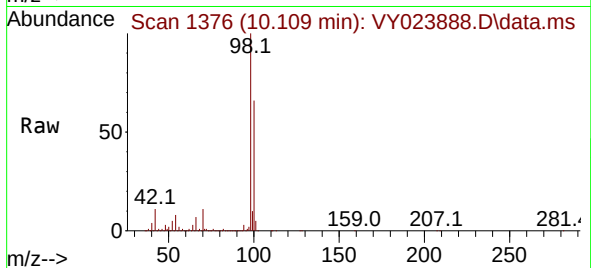
SB-1125-1

Tgt Ion: 98 Resp: 1515318

Ion Ratio Lower Upper

98 100

100 65.7 52.5 78.7



#56

Ethyl methacrylate

Concen: 4.166 ug/l

RT: 10.426 min Scan# 1428

Delta R.T. -0.012 min

Lab File: VY023888.D

Acq: 04 Dec 2025 12:45

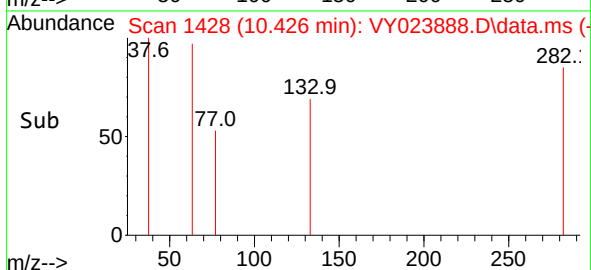
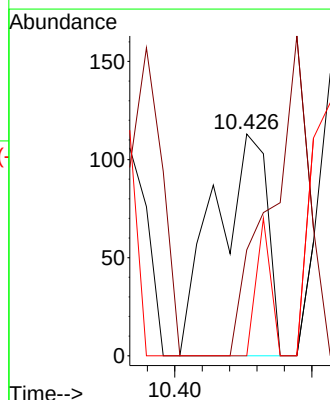
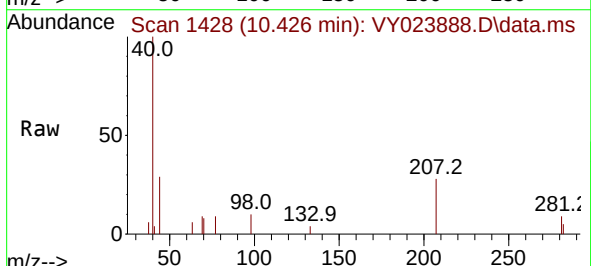
Tgt Ion: 69 Resp: 151

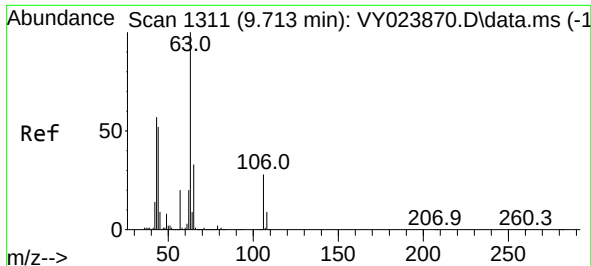
Ion Ratio Lower Upper

69 100

41 0.0 52.5 78.7#

39 17.2 27.1 40.7#

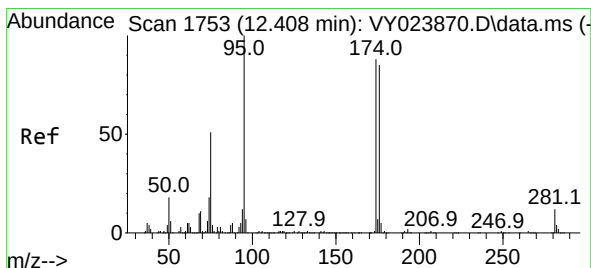
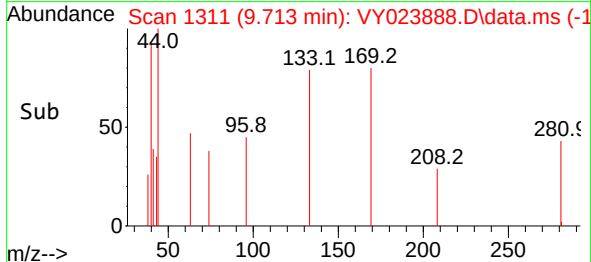
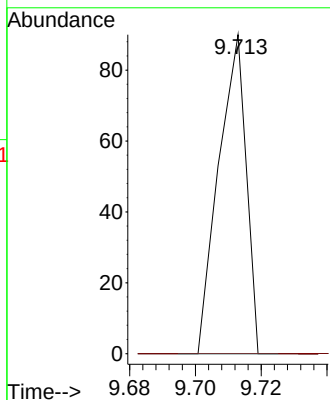
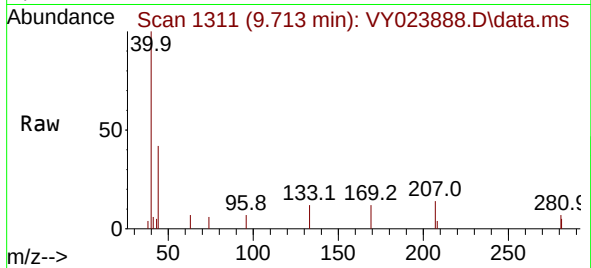




#58  
2-Chloroethyl Vinyl ether  
Concen: 14.729 ug/l  
RT: 9.713 min Scan# 1311  
Delta R.T. -0.000 min  
Lab File: VY023888.D  
Acq: 04 Dec 2025 12:45

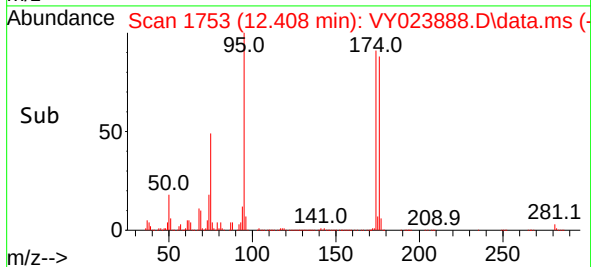
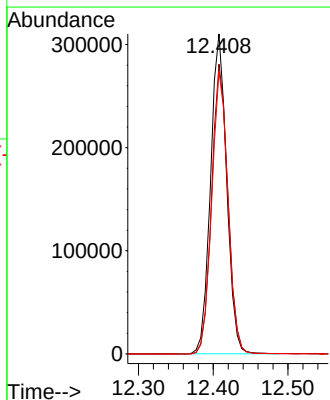
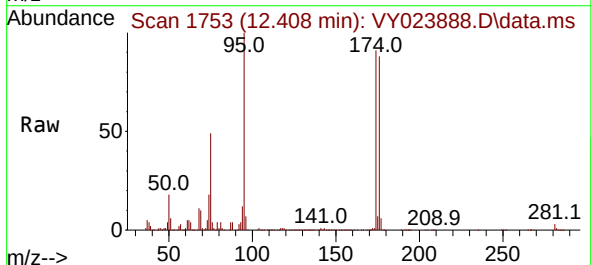
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1125-1

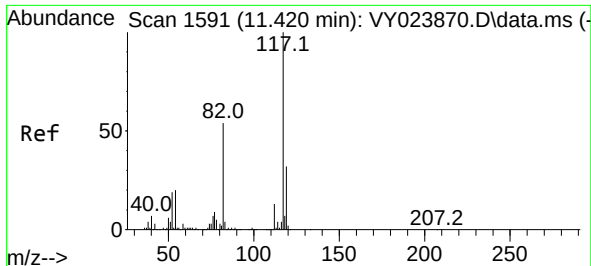
Tgt Ion: 63 Resp: 52  
Ion Ratio Lower Upper  
63 100  
106 0.0 22.5 33.7#



#62  
4-Bromofluorobenzene  
Concen: 41.920 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. -0.000 min  
Lab File: VY023888.D  
Acq: 04 Dec 2025 12:45

Tgt Ion: 95 Resp: 464930  
Ion Ratio Lower Upper  
95 100  
174 91.5 0.0 169.6  
176 88.6 0.0 164.4

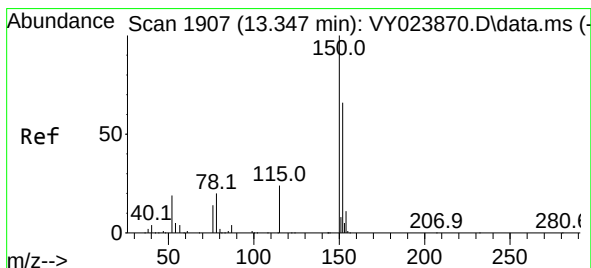
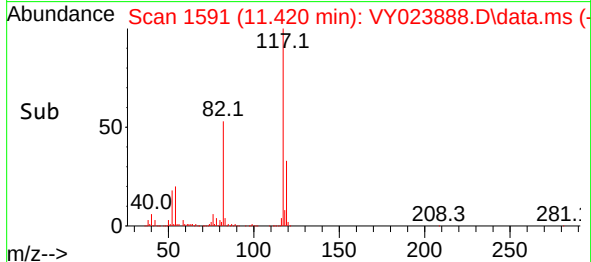
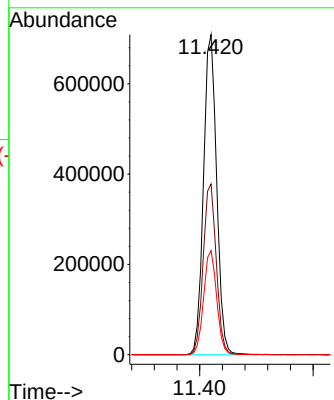
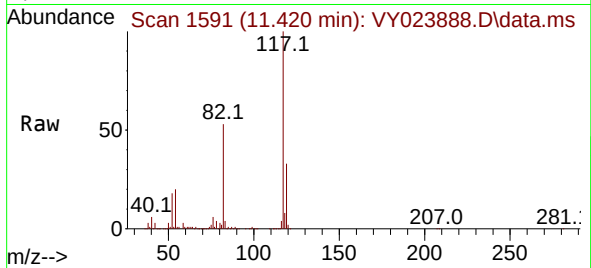




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.420 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VY023888.D  
Acq: 04 Dec 2025 12:45

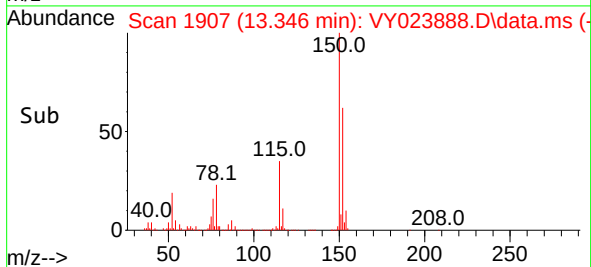
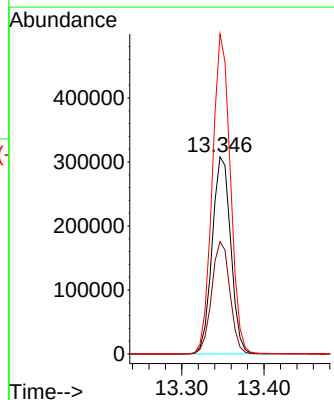
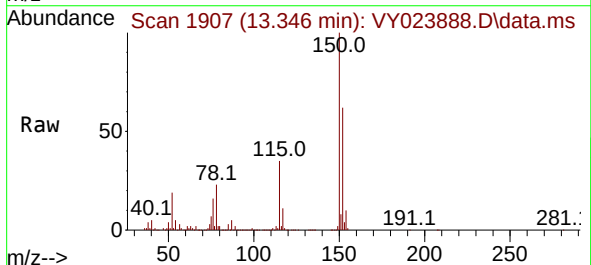
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1125-1

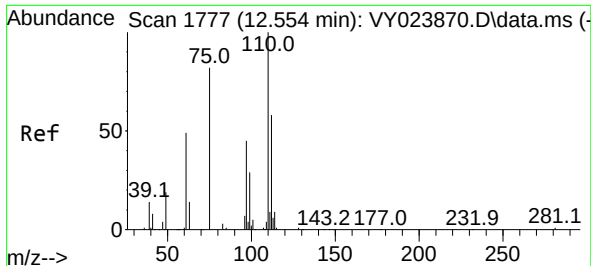
Tgt Ion:117 Resp: 1139174  
Ion Ratio Lower Upper  
117 100  
82 53.3 43.1 64.7  
119 32.6 26.0 39.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.346 min Scan# 1907  
Delta R.T. -0.000 min  
Lab File: VY023888.D  
Acq: 04 Dec 2025 12:45

Tgt Ion:152 Resp: 483490  
Ion Ratio Lower Upper  
152 100  
115 56.0 28.8 86.4  
150 157.8 0.0 352.2

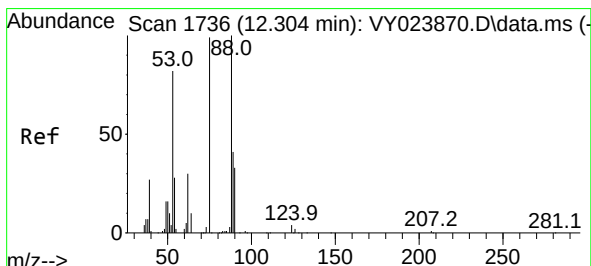
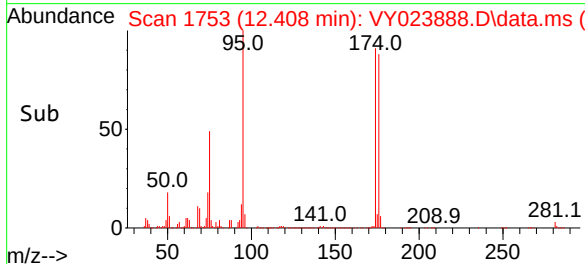
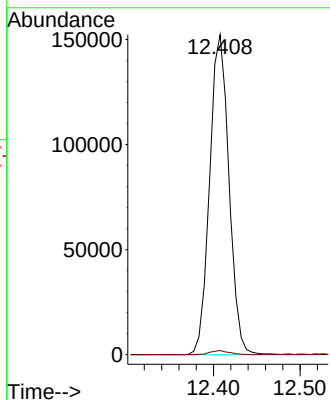
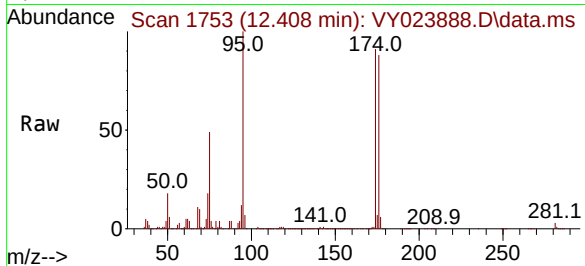




#76  
1,2,3-Trichloropropane  
Concen: 49.269 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. -0.146 min  
Lab File: VY023888.D  
Acq: 04 Dec 2025 12:45

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1125-1

Tgt Ion: 75 Resp: 236157  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 118.005 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.104 min  
Lab File: VY023888.D  
Acq: 04 Dec 2025 12:45

Tgt Ion: 75 Resp: 236157  
Ion Ratio Lower Upper  
75 100  
53 0.2 71.1 106.7#  
89 0.0 36.3 54.5#

