

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120425\  
 Data File : VY023893.D  
 Acq On : 04 Dec 2025 14:43  
 Operator : SY/MD  
 Sample : Q3742-09RE  
 Misc : 5.33g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-1125-22

Quant Time: Dec 05 01:47:31 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

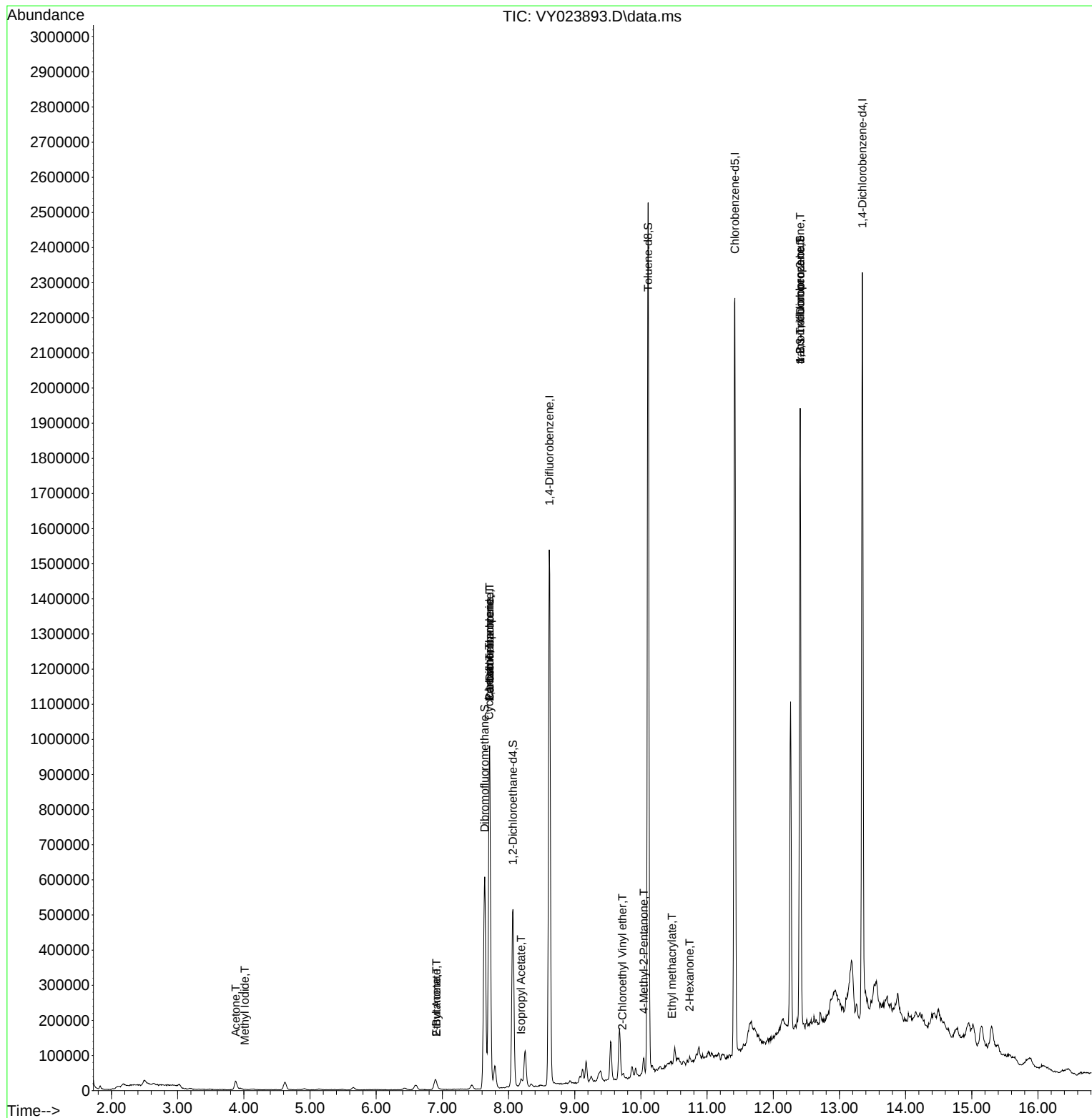
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.713  | 168   | 803856   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.616  | 114   | 1376820  | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.420 | 117   | 1230434  | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346 | 152   | 551526   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.067  | 65    | 402804   | 50.091    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 100.180% |          |
| 35) Dibromofluoromethane      | 7.640  | 113   | 430165   | 48.713    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 97.420%  |          |
| 50) Toluene-d8                | 10.109 | 98    | 1622450  | 47.215    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | = 94.420%  |          |
| 62) 4-Bromofluorobenzene      | 12.408 | 95    | 523698   | 44.682    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | = 89.360%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 10) Methyl Iodide             | 4.013  | 142   | 148      | 2.456     | ug/l #     | 70       |
| 11) Tert butyl alcohol        | 4.842  | 59    | 1758     | Below Cal | #          | 74       |
| 16) Acetone                   | 3.879  | 43    | 44522    | 18.477    | ug/l       | 96       |
| 20) Methylene Chloride        | 4.622  | 84    | 15352    | Below Cal | #          | 83       |
| 25) 2-Butanone                | 6.909  | 43    | 14910    | 5.133     | ug/l       | 98       |
| 31) Cyclohexane               | 7.707  | 56    | 15088    | 1.002     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.713  | 75    | 53924    | 4.141     | ug/l #     | 51       |
| 37) Ethyl Acetate             | 6.909  | 43    | 14910    | 2.480     | ug/l #     | 69       |
| 38) Carbon Tetrachloride      | 7.713  | 117   | 74162    | 5.161     | ug/l #     | 16       |
| 43) Isopropyl Acetate         | 8.189  | 43    | 13037    | 1.159     | ug/l #     | 51       |
| 51) 4-Methyl-2-Pentanone      | 10.042 | 43    | 6518     | 1.102     | ug/l #     | 70       |
| 56) Ethyl methacrylate        | 10.469 | 69    | 1402     | 4.280     | ug/l #     | 69       |
| 58) 2-Chloroethyl Vinyl ether | 9.719  | 63    | 67       | 14.732    | ug/l #     | 1        |
| 59) 2-Hexanone                | 10.737 | 43    | 6445     | 1.445     | ug/l #     | 35       |
| 76) 1,2,3-Trichloropropane    | 12.408 | 75    | 263773   | 48.242    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.408 | 75    | 263773   | 115.545   | ug/l #     | 14       |
| -----                         |        |       |          |           |            |          |

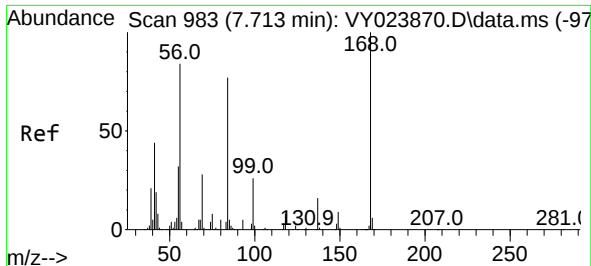
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120425\  
Data File : VY023893.D  
Acq On : 04 Dec 2025 14:43  
Operator : SY/MD  
Sample : Q3742-09RE  
Misc : 5.33g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1125-22

Quant Time: Dec 05 01:47:31 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

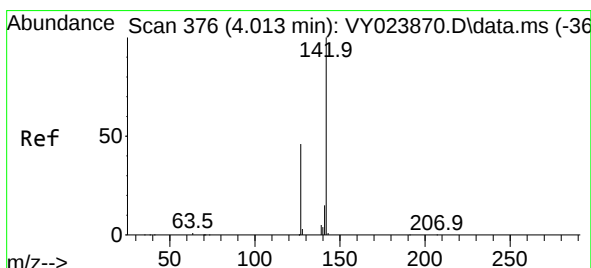
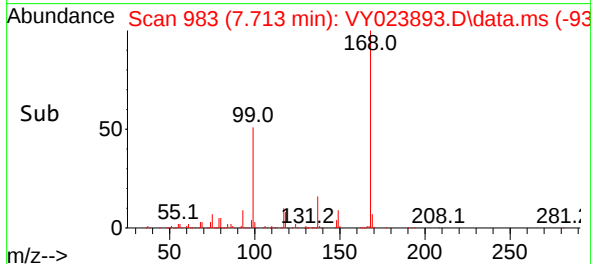
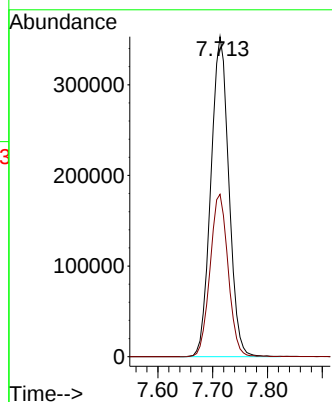
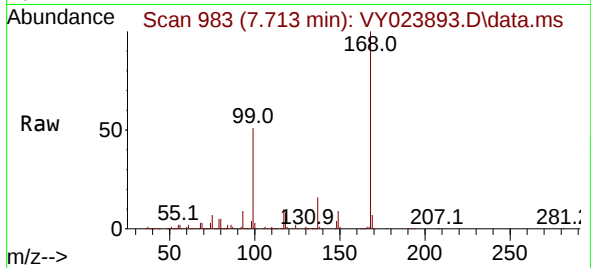




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 983  
Delta R.T. 0.000 min  
Lab File: VY023893.D  
Acq: 04 Dec 2025 14:43

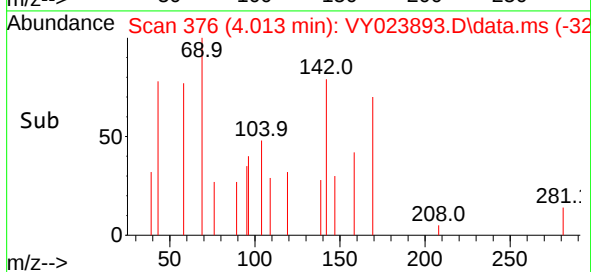
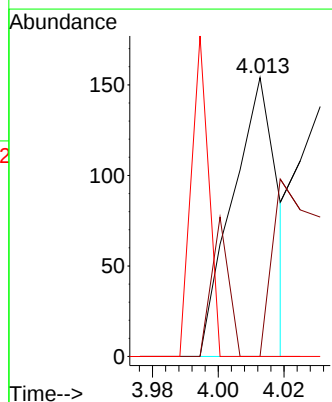
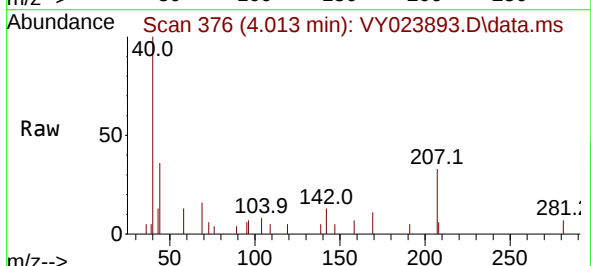
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1125-22

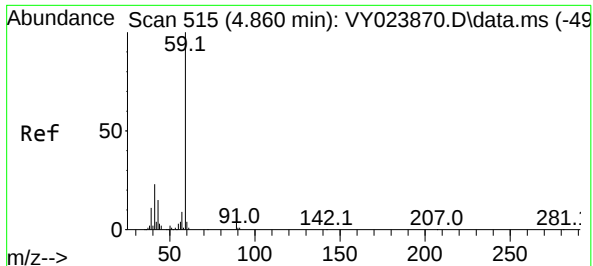
Tgt Ion:168 Resp: 803856  
Ion Ratio Lower Upper  
168 100  
99 50.8 42.5 63.7



#10  
Methyl Iodide  
Concen: 2.456 ug/l  
RT: 4.013 min Scan# 376  
Delta R.T. -0.000 min  
Lab File: VY023893.D  
Acq: 04 Dec 2025 14:43

Tgt Ion:142 Resp: 148  
Ion Ratio Lower Upper  
142 100  
127 63.5 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: VY023893.D

Acq: 04 Dec 2025 14:43

Instrument :

MSVOA\_Y

ClientSampleId :

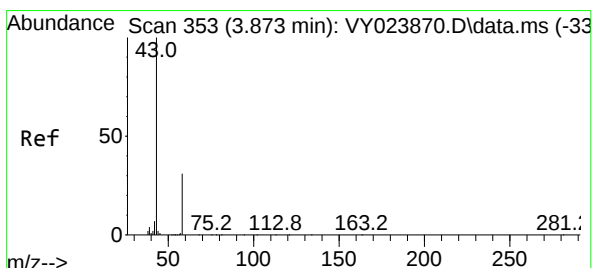
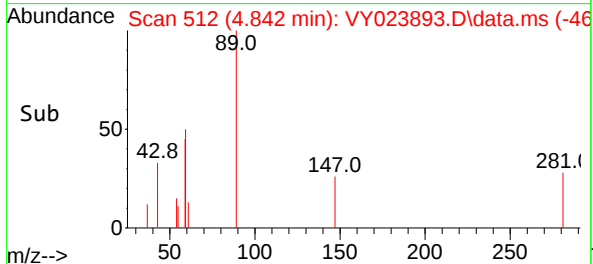
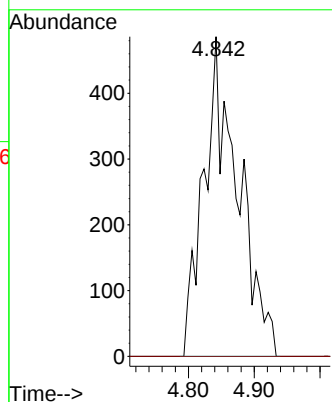
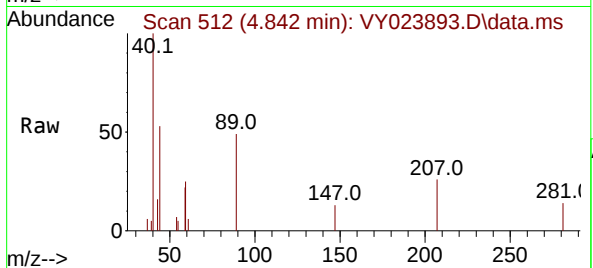
SB-1125-22

Tgt Ion: 59 Resp: 1758

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



#16

Acetone

Concen: 18.477 ug/l

RT: 3.879 min Scan# 354

Delta R.T. 0.006 min

Lab File: VY023893.D

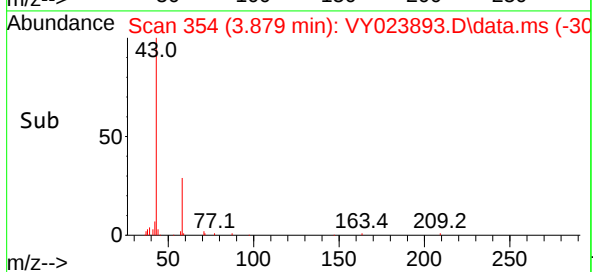
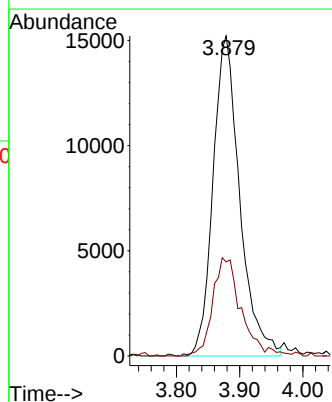
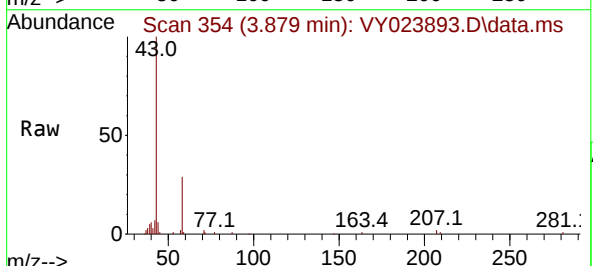
Acq: 04 Dec 2025 14:43

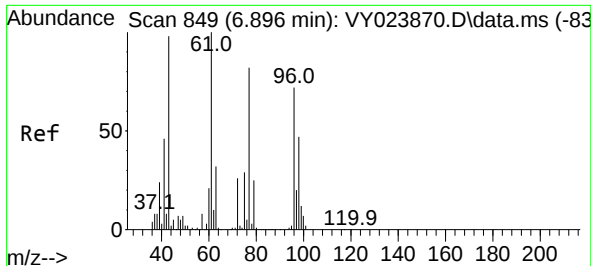
Tgt Ion: 43 Resp: 44522

Ion Ratio Lower Upper

43 100

58 29.4 25.1 37.7

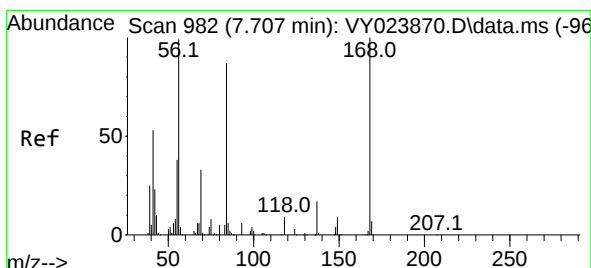
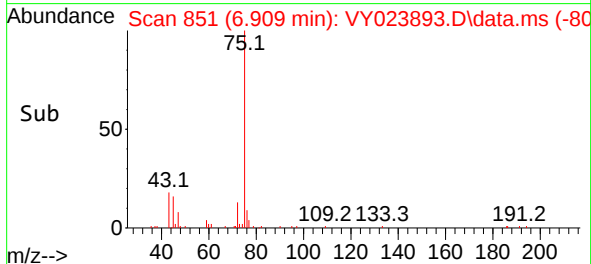
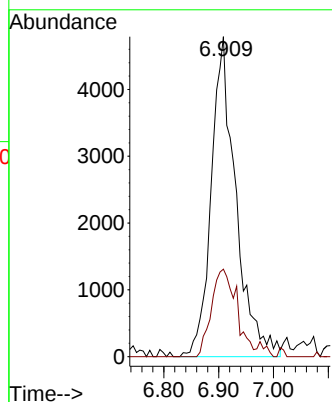
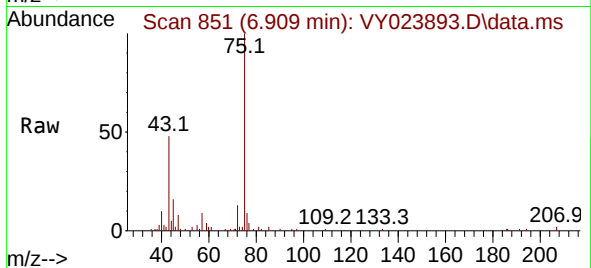




#25  
2-Butanone  
Concen: 5.133 ug/l  
RT: 6.909 min Scan# 81  
Delta R.T. 0.012 min  
Lab File: VY023893.D  
Acq: 04 Dec 2025 14:43

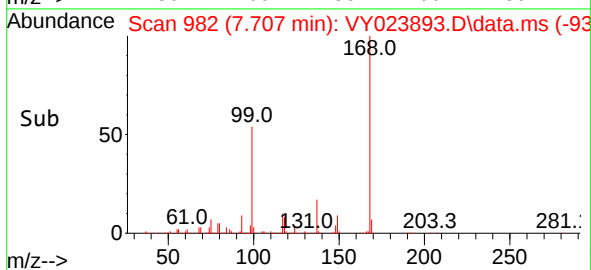
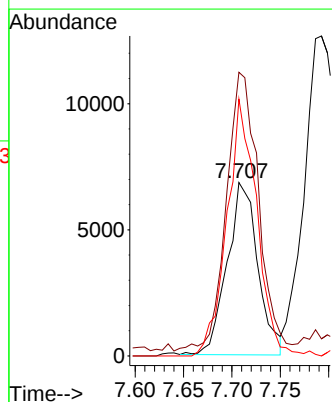
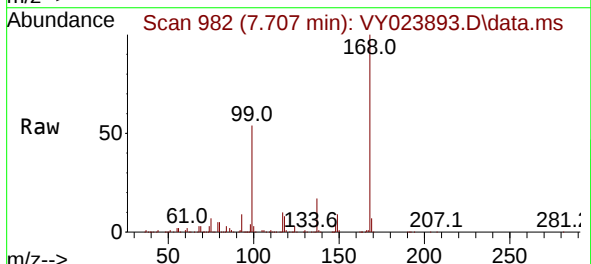
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1125-22

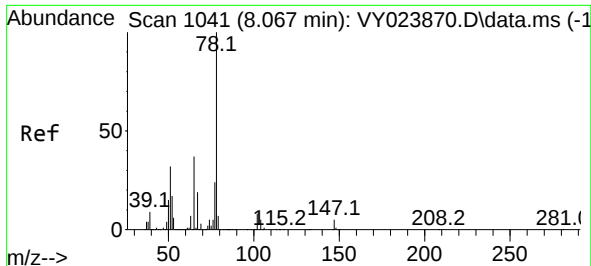
Tgt Ion: 43 Resp: 14910  
Ion Ratio Lower Upper  
43 100  
72 27.4 21.0 31.6



#31  
Cyclohexane  
Concen: 1.002 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. -0.000 min  
Lab File: VY023893.D  
Acq: 04 Dec 2025 14:43

Tgt Ion: 56 Resp: 15088  
Ion Ratio Lower Upper  
56 100  
69 160.5 26.8 40.2#  
84 149.4 70.4 105.6#





#33

1,2-Dichloroethane-d4

Concen: 50.091 ug/l

RT: 8.067 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY023893.D

Acq: 04 Dec 2025 14:43

Instrument :

MSVOA\_Y

ClientSampleId :

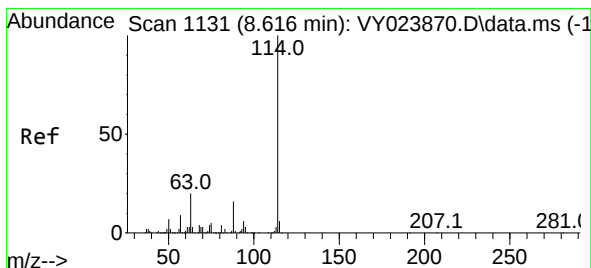
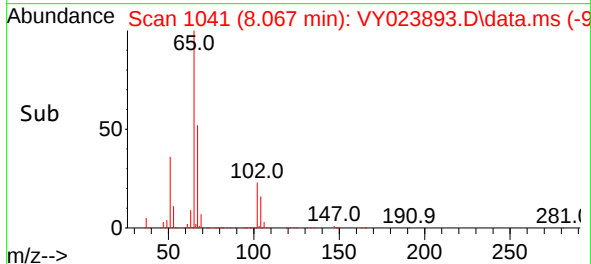
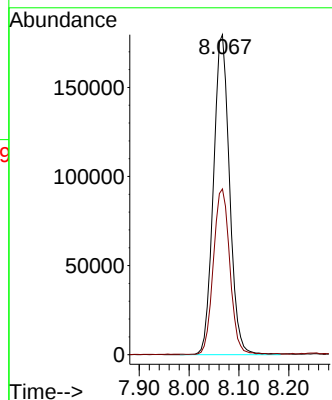
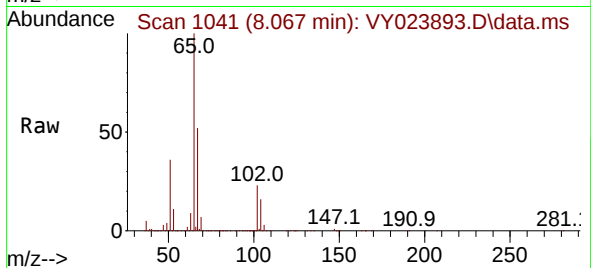
SB-1125-22

Tgt Ion: 65 Resp: 402804

Ion Ratio Lower Upper

65 100

67 52.8 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: VY023893.D

Acq: 04 Dec 2025 14:43

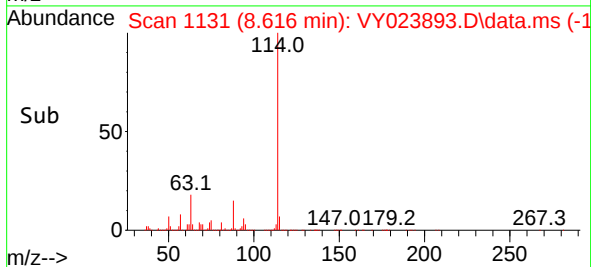
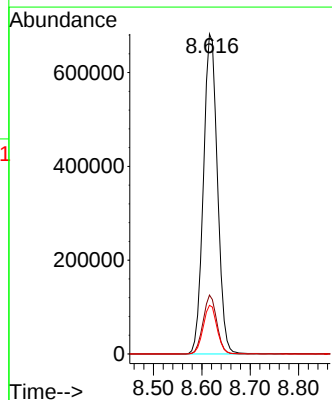
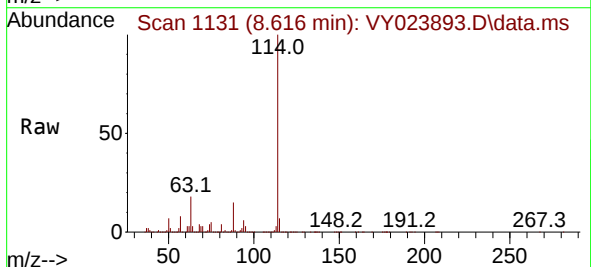
Tgt Ion: 114 Resp: 1376820

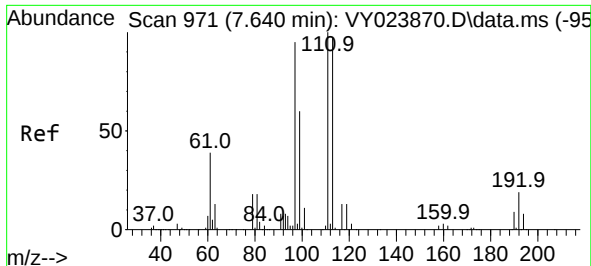
Ion Ratio Lower Upper

114 100

63 18.4 0.0 39.2

88 15.2 0.0 31.4

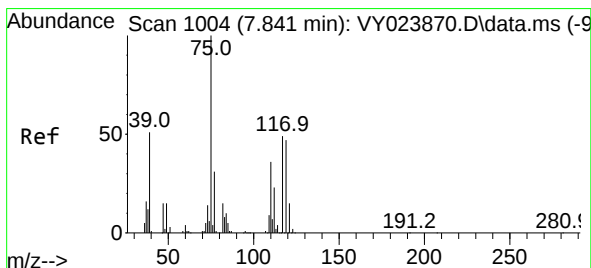
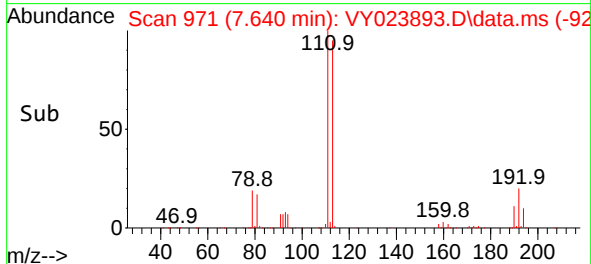
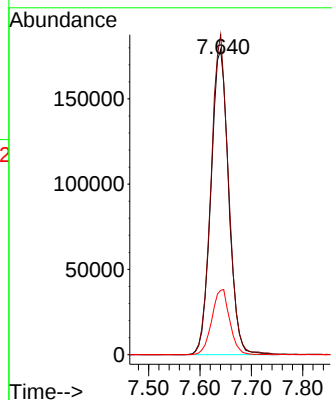
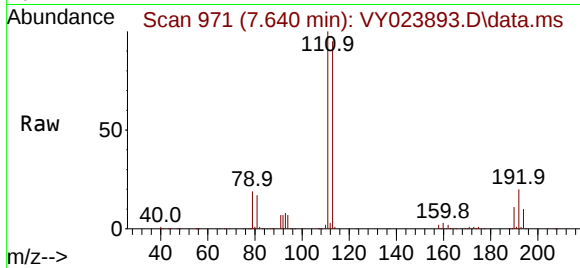




#35  
Dibromofluoromethane  
Concen: 48.713 ug/l  
RT: 7.640 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY023893.D  
Acq: 04 Dec 2025 14:43

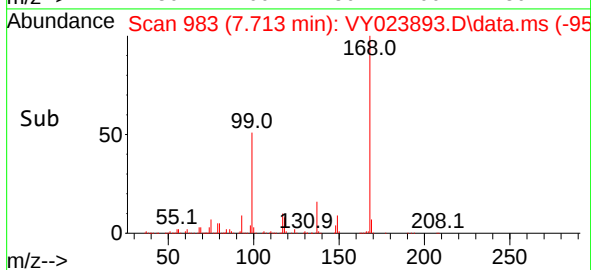
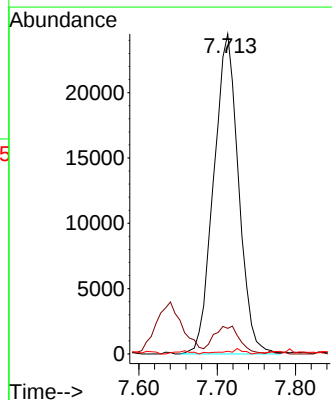
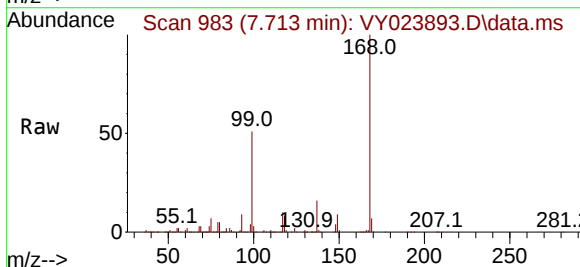
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1125-22

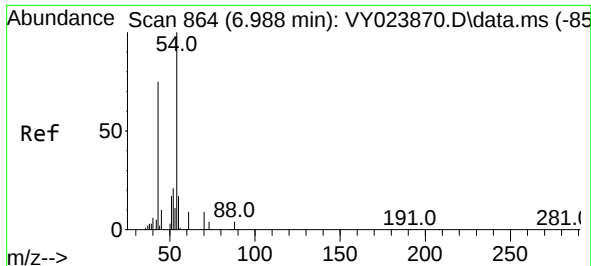
Tgt Ion:113 Resp: 430165  
Ion Ratio Lower Upper  
113 100  
111 102.9 82.2 123.2  
192 21.4 15.8 23.8



#36  
1,1-Dichloropropene  
Concen: 4.141 ug/l  
RT: 7.713 min Scan# 983  
Delta R.T. -0.128 min  
Lab File: VY023893.D  
Acq: 04 Dec 2025 14:43

Tgt Ion: 75 Resp: 53924  
Ion Ratio Lower Upper  
75 100  
110 9.1 17.6 52.9#  
77 1.2 24.6 37.0#





#37

Ethyl Acetate

Concen: 2.480 ug/l

RT: 6.909 min Scan# 81

Delta R.T. -0.079 min

Lab File: VY023893.D

Acq: 04 Dec 2025 14:43

Instrument :

MSVOA\_Y

ClientSampleId :

SB-1125-22

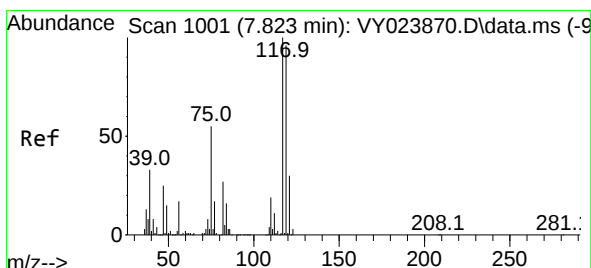
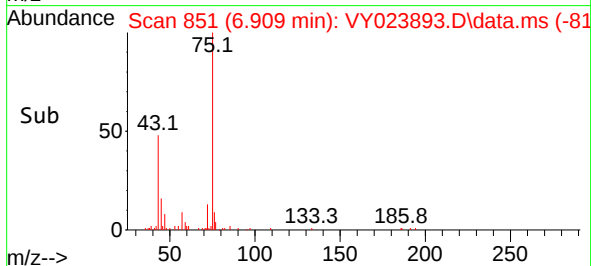
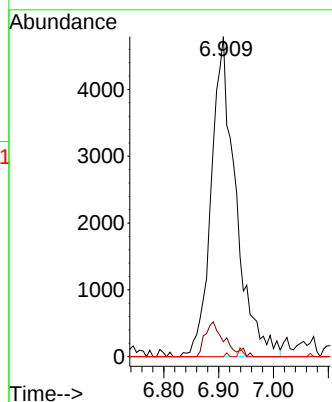
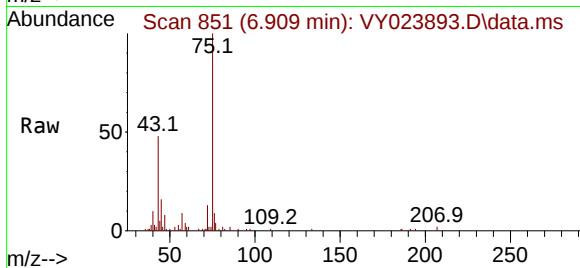
Tgt Ion: 43 Resp: 14910

Ion Ratio Lower Upper

43 100

61 0.0 11.0 16.4#

70 0.1 8.1 12.1#



#38

Carbon Tetrachloride

Concen: 5.161 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.110 min

Lab File: VY023893.D

Acq: 04 Dec 2025 14:43

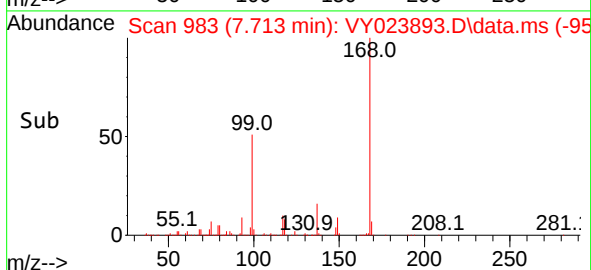
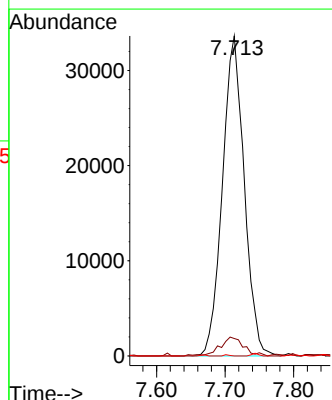
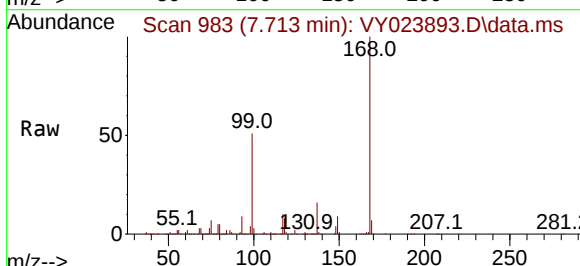
Tgt Ion: 117 Resp: 74162

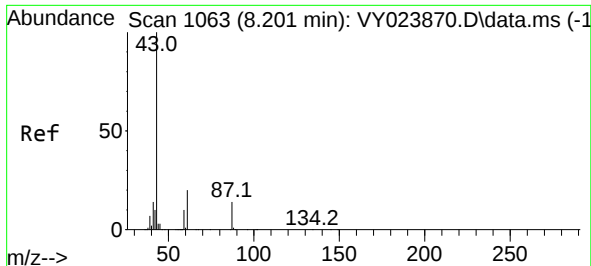
Ion Ratio Lower Upper

117 100

119 5.5 77.0 115.6#

121 0.0 23.9 35.9#

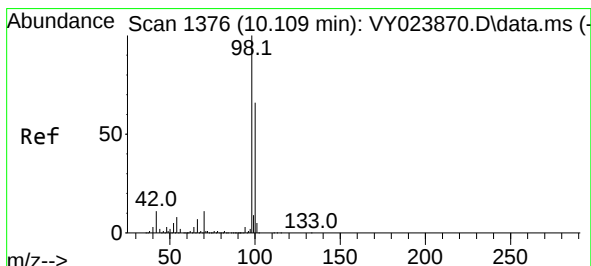
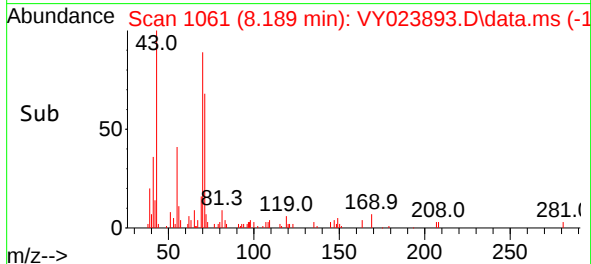
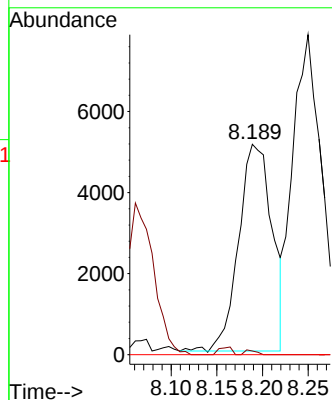
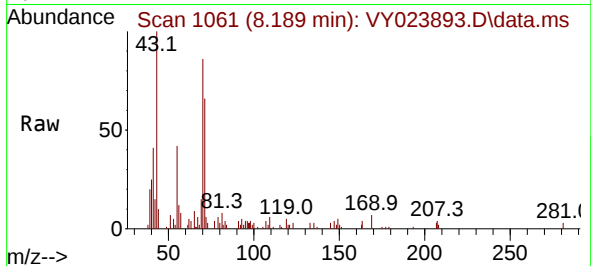




#43  
Isopropyl Acetate  
Concen: 1.159 ug/l  
RT: 8.189 min Scan# 1061  
Delta R.T. -0.012 min  
Lab File: VY023893.D  
Acq: 04 Dec 2025 14:43

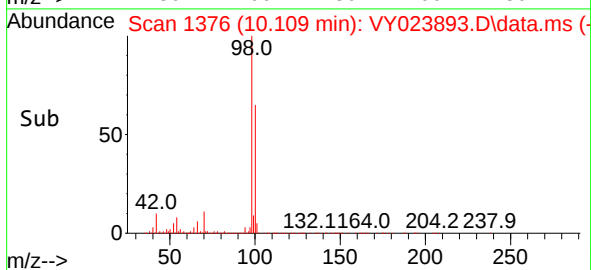
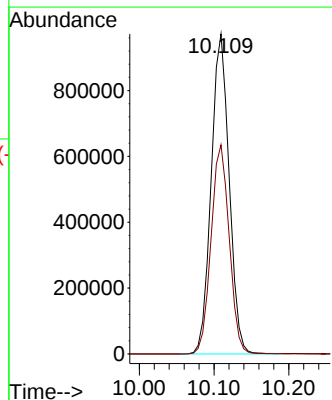
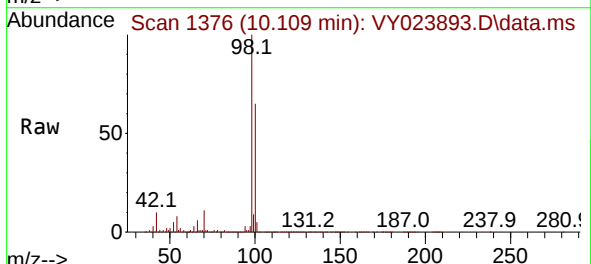
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1125-22

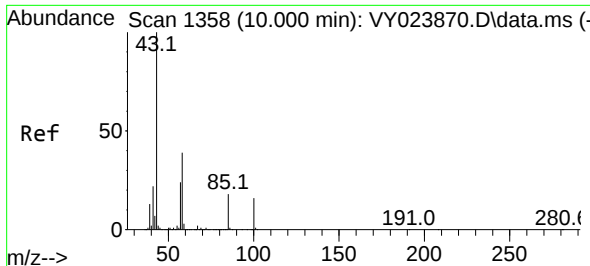
Tgt Ion: 43 Resp: 13037  
Ion Ratio Lower Upper  
43 100  
61 0.0 24.2 36.4#  
87 0.0 11.0 16.4#



#50  
Toluene-d8  
Concen: 47.215 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. -0.000 min  
Lab File: VY023893.D  
Acq: 04 Dec 2025 14:43

Tgt Ion: 98 Resp: 1622450  
Ion Ratio Lower Upper  
98 100  
100 66.1 52.5 78.7

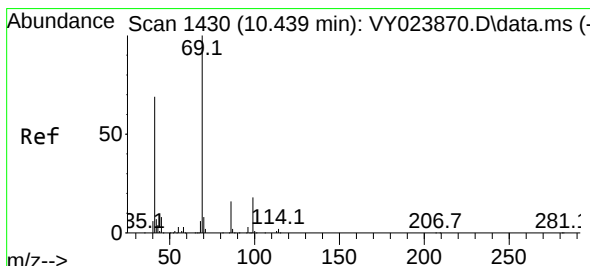
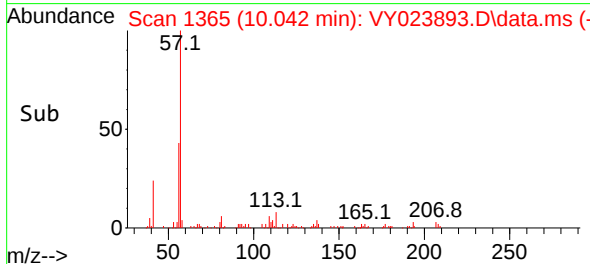
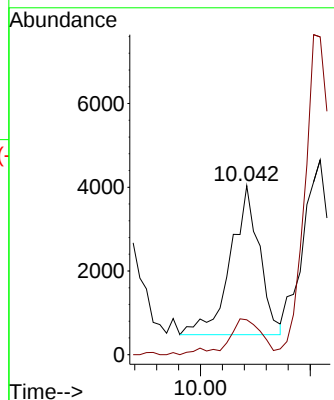
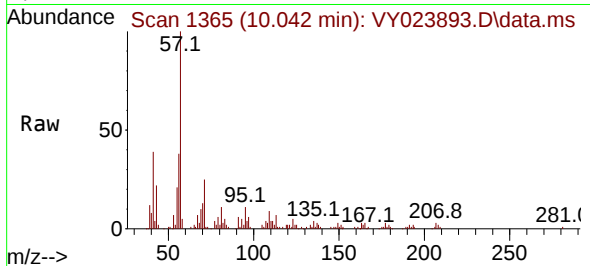




#51  
4-Methyl-2-Pentanone  
Concen: 1.102 ug/l  
RT: 10.042 min Scan# 1365  
Delta R.T. 0.043 min  
Lab File: VY023893.D  
Acq: 04 Dec 2025 14:43

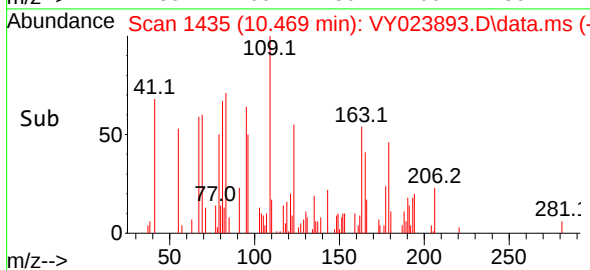
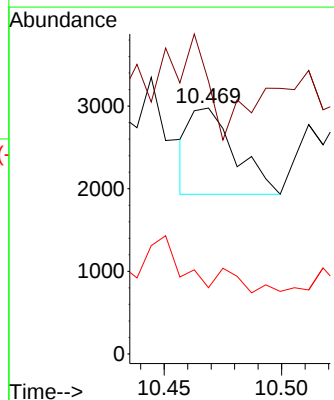
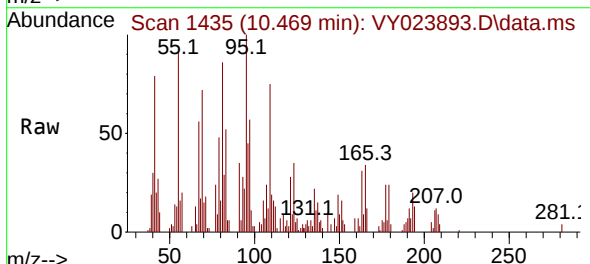
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1125-22

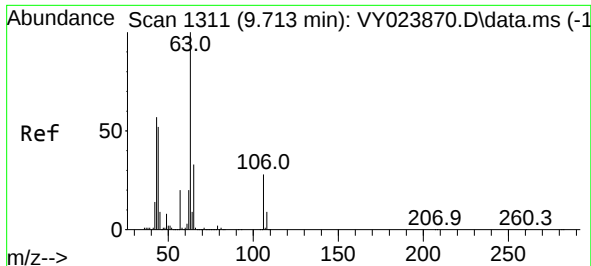
Tgt Ion: 43 Resp: 6518  
Ion Ratio Lower Upper  
43 100  
58 21.3 31.8 47.8#



#56  
Ethyl methacrylate  
Concen: 4.280 ug/l  
RT: 10.469 min Scan# 1435  
Delta R.T. 0.030 min  
Lab File: VY023893.D  
Acq: 04 Dec 2025 14:43

Tgt Ion: 69 Resp: 1402  
Ion Ratio Lower Upper  
69 100  
41 99.0 52.5 78.7#  
39 39.7 27.1 40.7

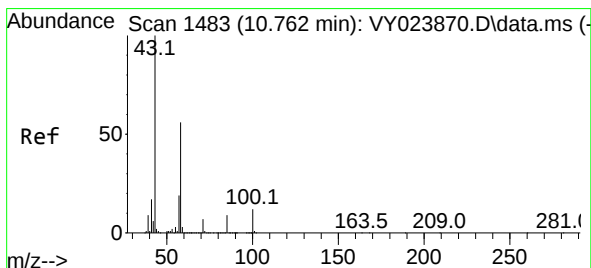
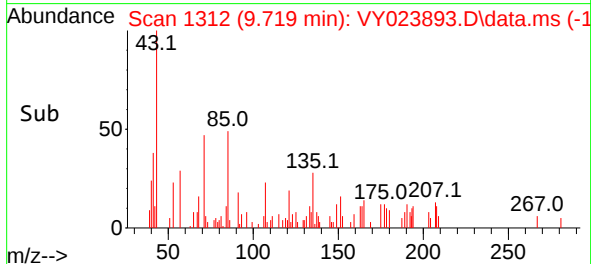
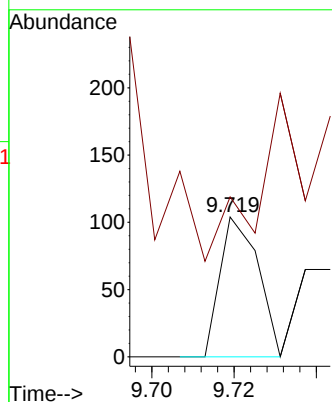
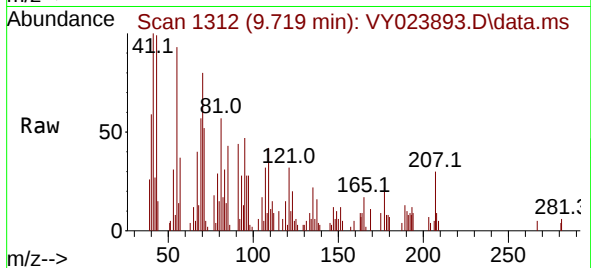




#58  
2-Chloroethyl Vinyl ether  
Concen: 14.732 ug/l  
RT: 9.719 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY023893.D  
Acq: 04 Dec 2025 14:43

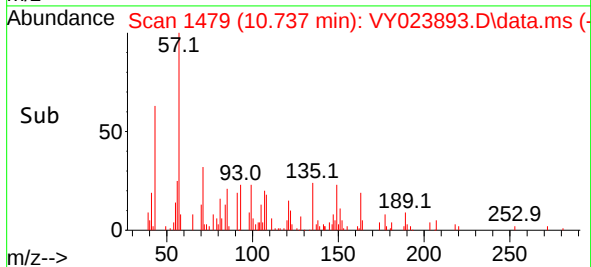
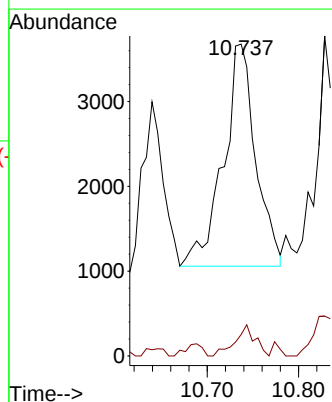
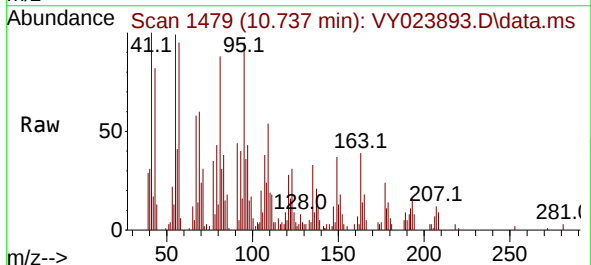
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1125-22

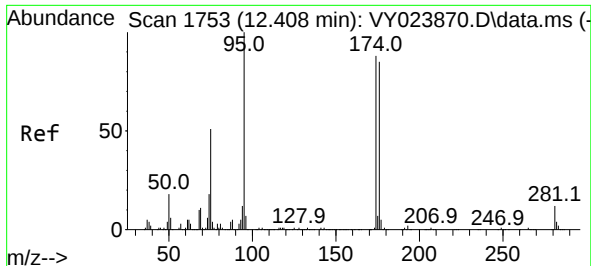
Tgt Ion: 63 Resp: 67  
Ion Ratio Lower Upper  
63 100  
106 129.9 22.5 33.7#



#59  
2-Hexanone  
Concen: 1.445 ug/l  
RT: 10.737 min Scan# 1479  
Delta R.T. -0.025 min  
Lab File: VY023893.D  
Acq: 04 Dec 2025 14:43

Tgt Ion: 43 Resp: 6445  
Ion Ratio Lower Upper  
43 100  
58 8.6 27.7 83.1#

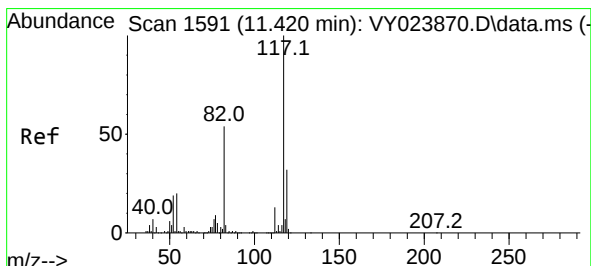
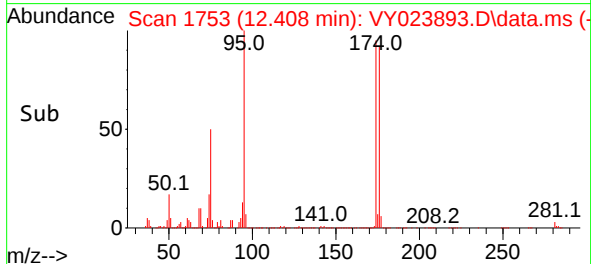
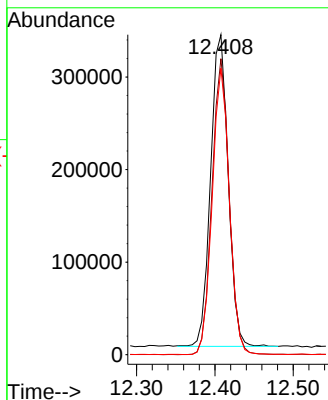
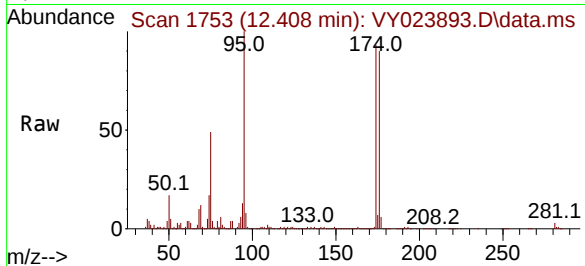




#62  
4-Bromofluorobenzene  
Concen: 44.682 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. -0.000 min  
Lab File: VY023893.D  
Acq: 04 Dec 2025 14:43

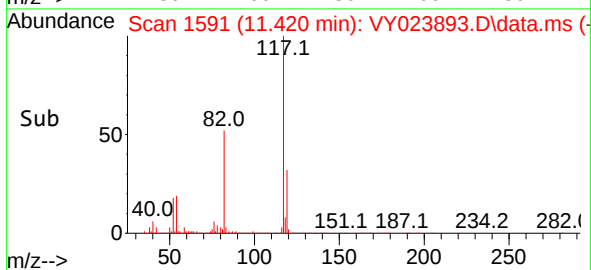
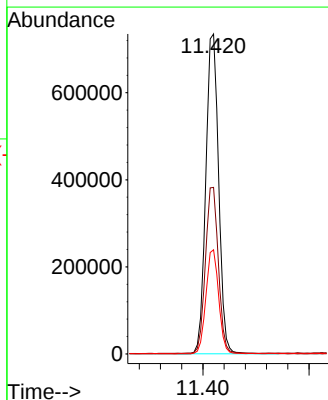
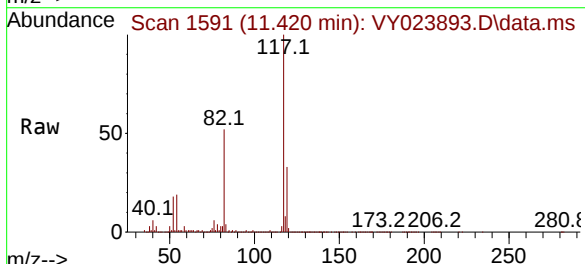
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1125-22

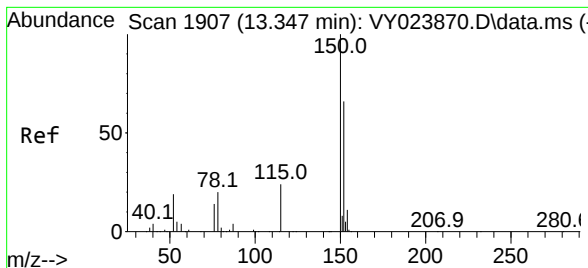
Tgt Ion: 95 Resp: 523698  
Ion Ratio Lower Upper  
95 100  
174 93.7 0.0 169.6  
176 89.8 0.0 164.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.420 min Scan# 1591  
Delta R.T. -0.000 min  
Lab File: VY023893.D  
Acq: 04 Dec 2025 14:43

Tgt Ion: 117 Resp: 1230434  
Ion Ratio Lower Upper  
117 100  
82 51.8 43.1 64.7  
119 32.5 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: VY023893.D

Acq: 04 Dec 2025 14:43

Instrument :

MSVOA\_Y

ClientSampleId :

SB-1125-22

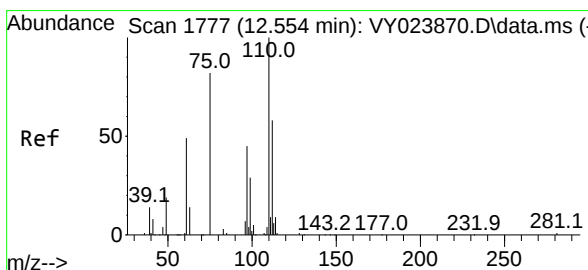
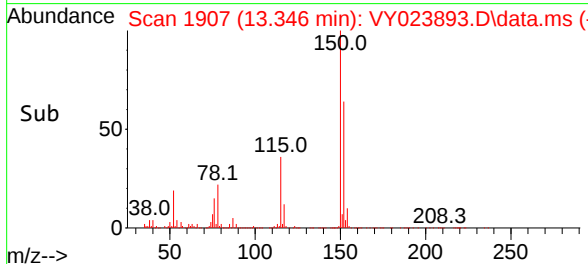
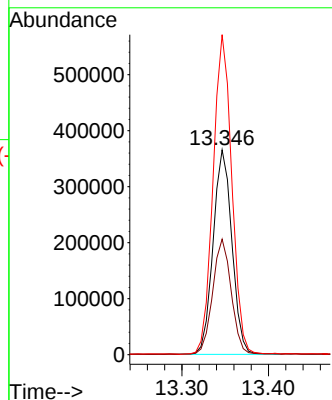
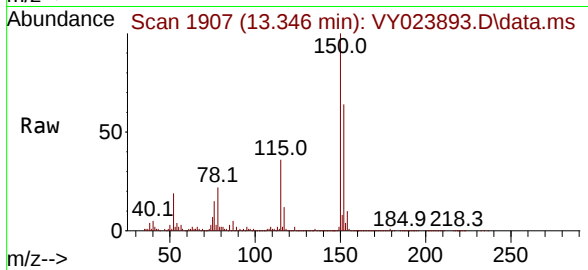
Tgt Ion:152 Resp: 551526

Ion Ratio Lower Upper

152 100

115 54.9 28.8 86.4

150 155.3 0.0 352.2



#76

1,2,3-Trichloropropane

Concen: 48.242 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023893.D

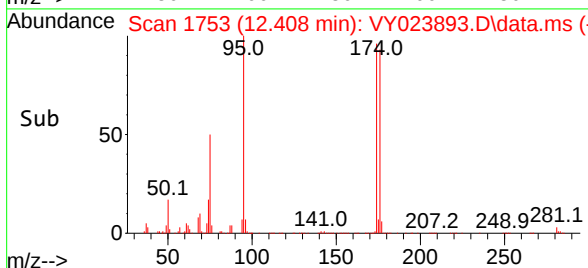
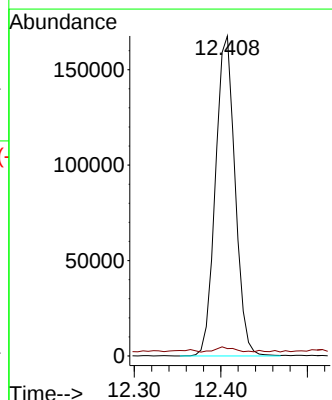
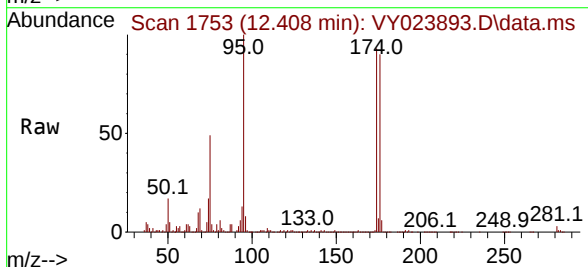
Acq: 04 Dec 2025 14:43

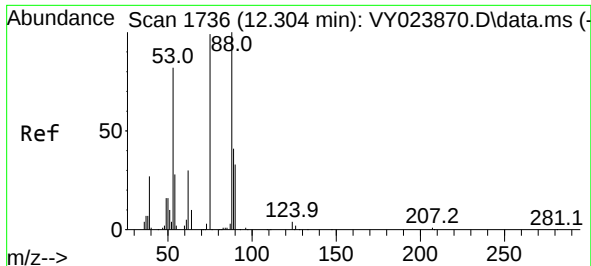
Tgt Ion: 75 Resp: 263773

Ion Ratio Lower Upper

75 100

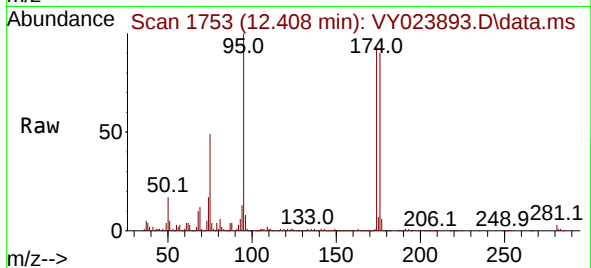
77 1.6 0.0 0.0#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 115.545 ug/l  
RT: 12.408 min Scan# 11  
Delta R.T. 0.104 min  
Lab File: VY023893.D  
Acq: 04 Dec 2025 14:43

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1125-22



Tgt Ion: 75 Resp: 263773  
Ion Ratio Lower Upper  
75 100  
53 0.6 71.1 106.7#  
89 0.1 36.3 54.5#

