

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120125\  
 Data File : VY023845.D  
 Acq On : 01 Dec 2025 15:57  
 Operator : SY/MD  
 Sample : Q3742-03  
 Misc : 2.50g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-1125-8

Quant Time: Dec 02 03:19:10 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y112625S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 27 01:14:36 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.713  | 168  | 608834   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 1113703  | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 955695   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 376385   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 354950   | 59.866   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 119.740% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 355083   | 53.821   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 107.640% |
| 50) Toluene-d8              | 10.109 | 98    | 1331655  | 50.817   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 101.640% |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 383301   | 44.454   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 88.900%  |

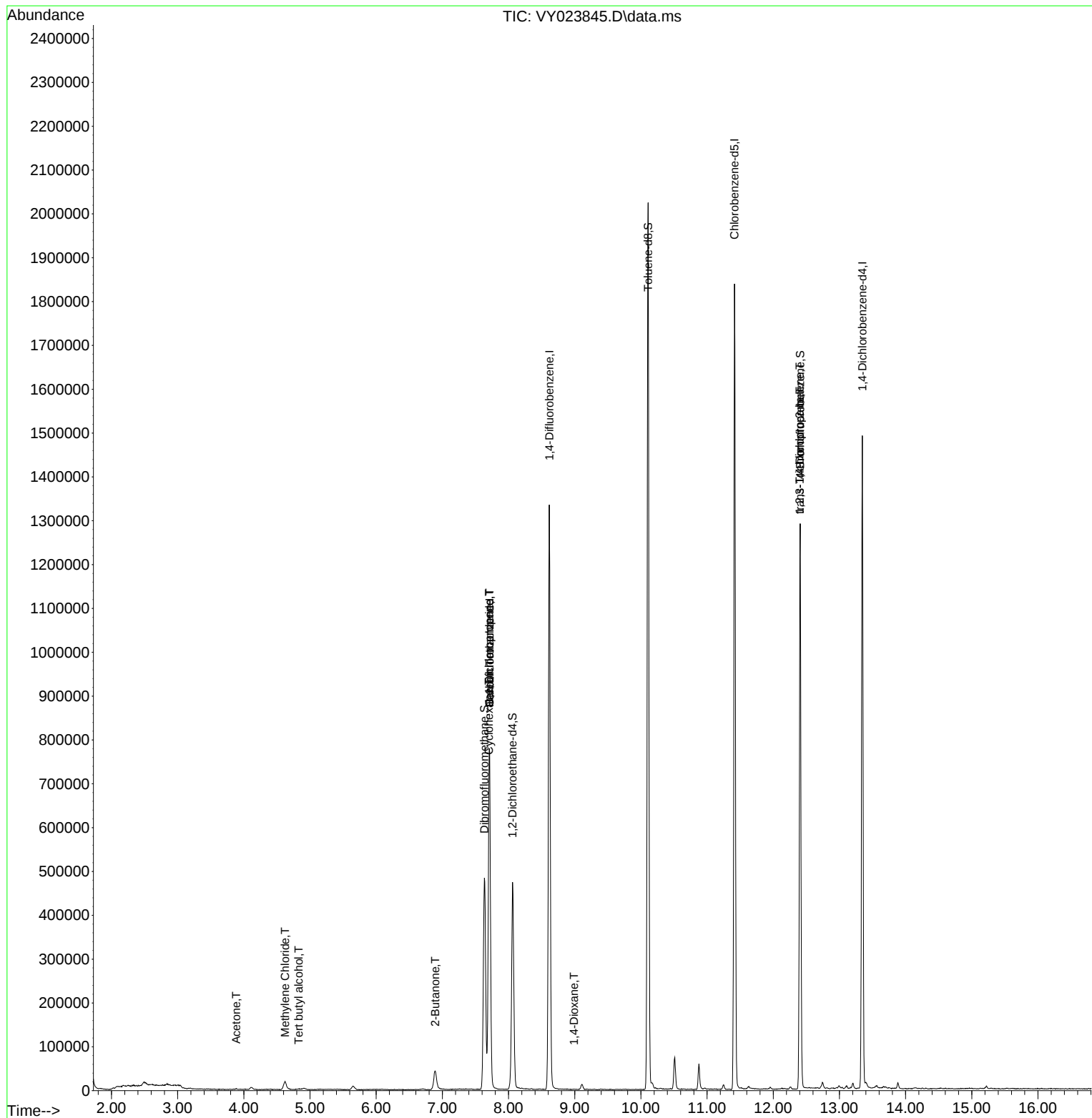
| Target Compounds              |        |     |        |         | Qvalue |     |
|-------------------------------|--------|-----|--------|---------|--------|-----|
| 11) Tert butyl alcohol        | 4.830  | 59  | 751    | 1.542   | ug/l # | 73  |
| 16) Acetone                   | 3.885  | 43  | 1790   | 1.048   | ug/l # | 72  |
| 20) Methylene Chloride        | 4.622  | 84  | 13205  | 1.828   | ug/l   | 97  |
| 25) 2-Butanone                | 6.890  | 43  | 3002   | 1.440   | ug/l # | 62  |
| 31) Cyclohexane               | 7.701  | 56  | 14343  | 1.258   | ug/l # | 29  |
| 36) 1,1-Dichloropropene       | 7.707  | 75  | 49849  | 4.928   | ug/l # | 50  |
| 38) Carbon Tetrachloride      | 7.713  | 117 | 59621  | 5.370   | ug/l # | 16  |
| 49) 1,4-Dioxane               | 8.987  | 88  | 49     | 1.098   | ug/l # | 1   |
| 76) 1,2,3-Trichloropropane    | 12.402 | 75  | 197120 | 60.224  | ug/l # | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.402 | 75  | 197120 | 127.296 | ug/l # | 14  |

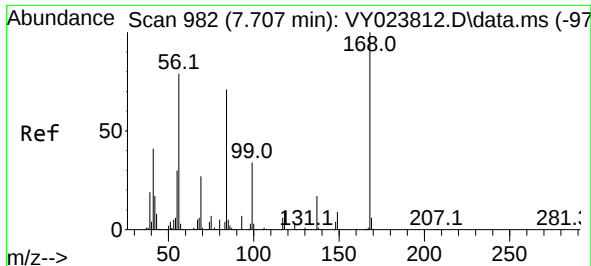
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1125-8

Quant Time: Dec 02 03:19:10 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y112625S.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 27 01:14:36 2025  
Response via : Initial Calibration

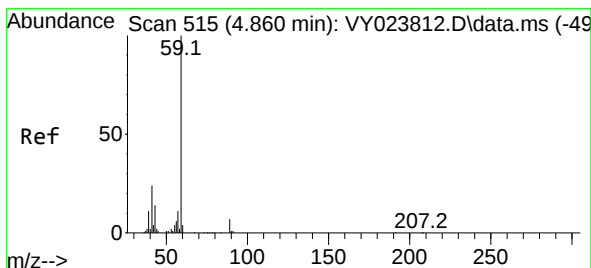
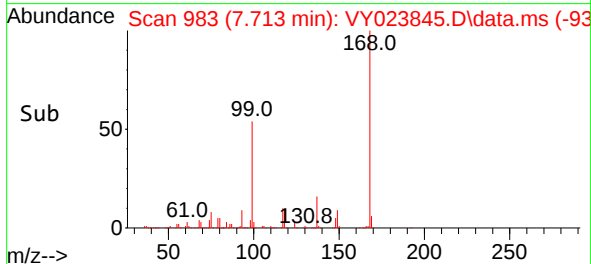
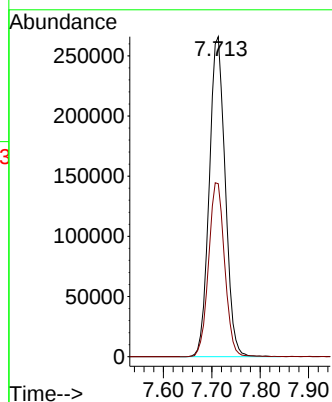
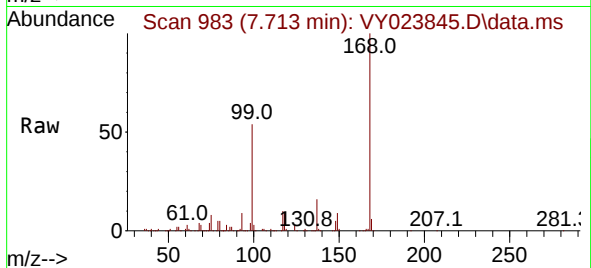




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY023845.D  
Acq: 01 Dec 2025 15:57

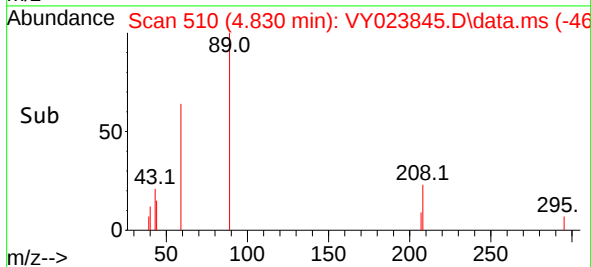
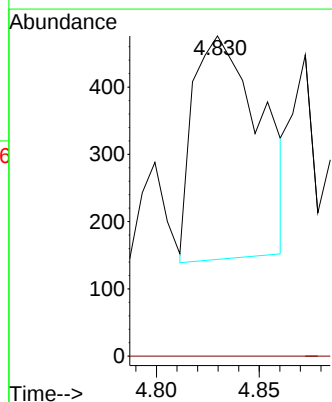
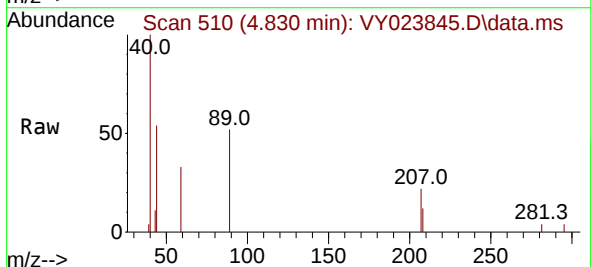
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1125-8

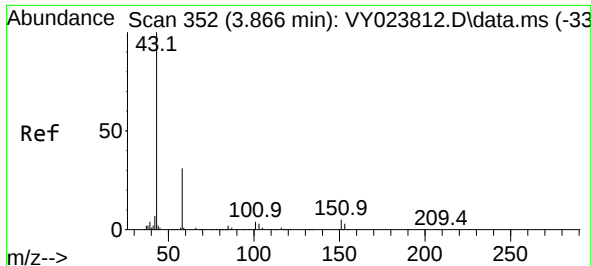
Tgt Ion:168 Resp: 608834  
Ion Ratio Lower Upper  
168 100  
99 54.1 44.0 66.0



#11  
Tert butyl alcohol  
Concen: 1.542 ug/l  
RT: 4.830 min Scan# 510  
Delta R.T. -0.030 min  
Lab File: VY023845.D  
Acq: 01 Dec 2025 15:57

Tgt Ion: 59 Resp: 751  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.0 12.0#

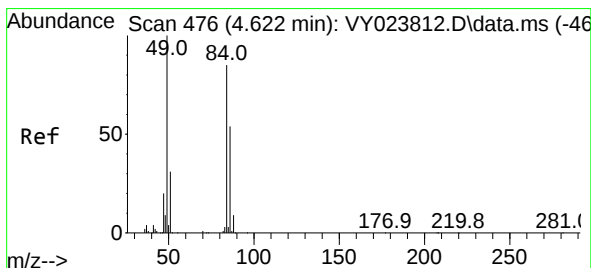
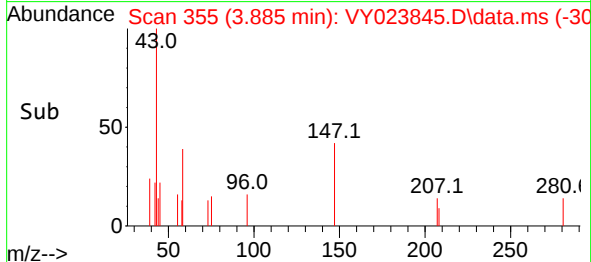
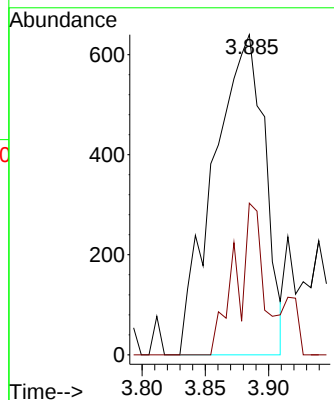
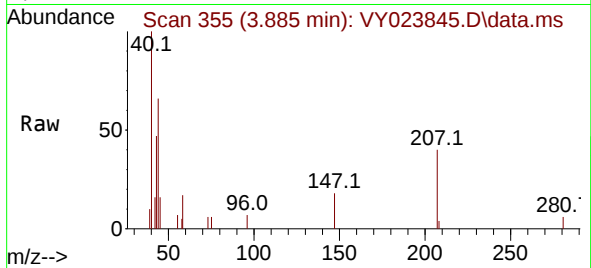




#16  
Acetone  
Concen: 1.048 ug/l  
RT: 3.885 min Scan# 316  
Delta R.T. 0.018 min  
Lab File: VY023845.D  
Acq: 01 Dec 2025 15:57

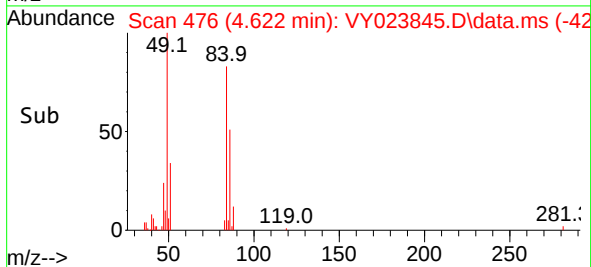
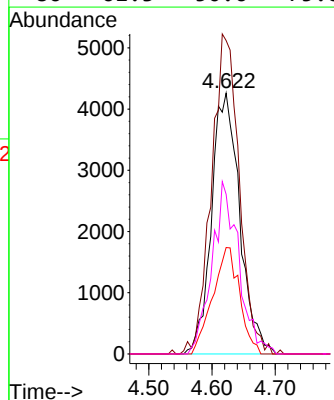
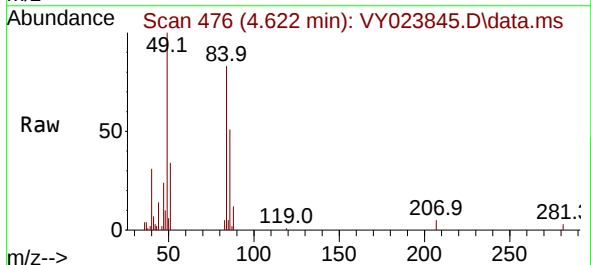
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1125-8

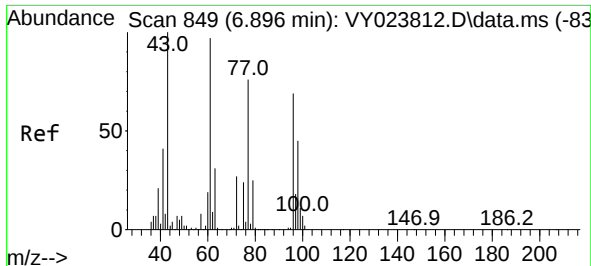
Tgt Ion: 43 Resp: 1790  
Ion Ratio Lower Upper  
43 100  
58 47.3 25.4 38.2#



#20  
Methylene Chloride  
Concen: 1.828 ug/l  
RT: 4.622 min Scan# 476  
Delta R.T. 0.000 min  
Lab File: VY023845.D  
Acq: 01 Dec 2025 15:57

Tgt Ion: 84 Resp: 13205  
Ion Ratio Lower Upper  
84 100  
49 120.2 94.0 141.0  
51 40.8 29.2 43.8  
86 61.3 50.6 75.8

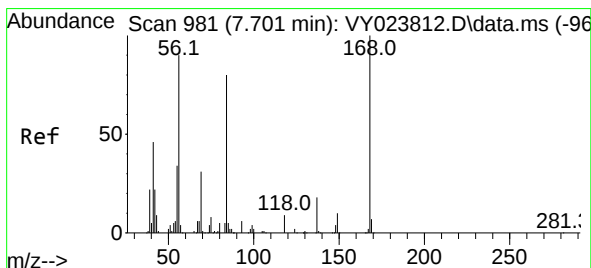
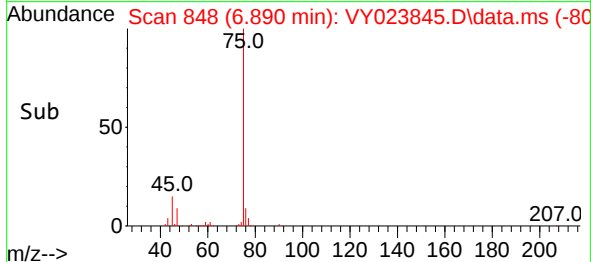
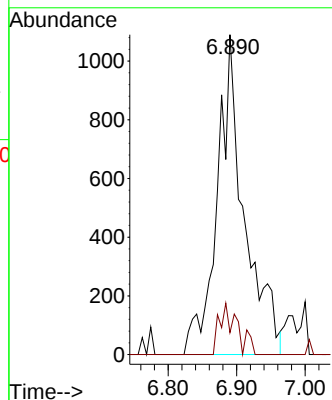
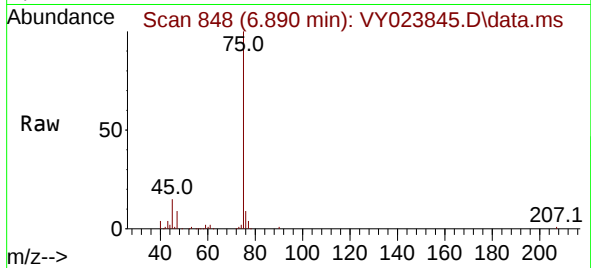




#25  
2-Butanone  
Concen: 1.440 ug/l  
RT: 6.890 min Scan# 849  
Delta R.T. -0.006 min  
Lab File: VY023845.D  
Acq: 01 Dec 2025 15:57

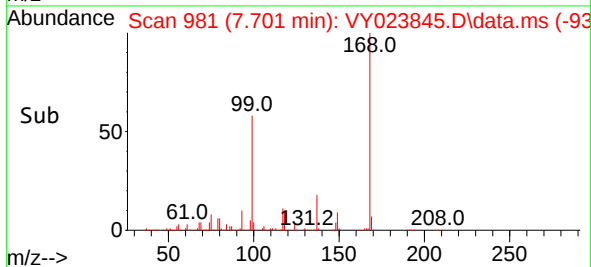
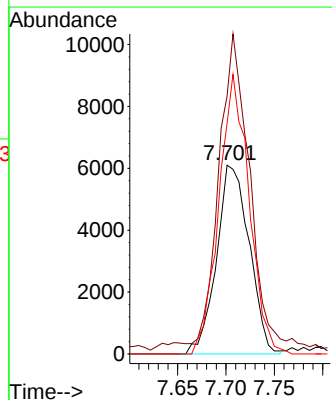
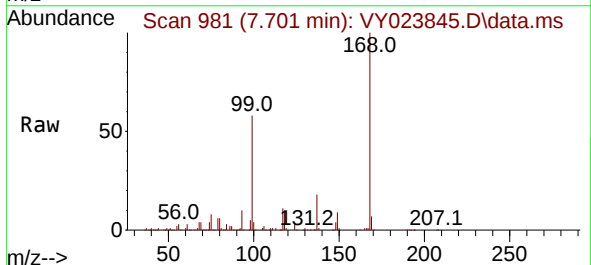
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1125-8

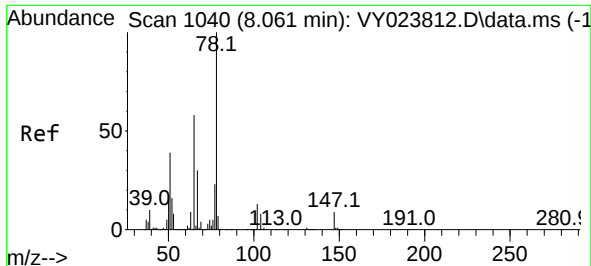
Tgt Ion: 43 Resp: 3002  
Ion Ratio Lower Upper  
43 100  
72 6.9 21.3 31.9#



#31  
Cyclohexane  
Concen: 1.258 ug/l  
RT: 7.701 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY023845.D  
Acq: 01 Dec 2025 15:57

Tgt Ion: 56 Resp: 14343  
Ion Ratio Lower Upper  
56 100  
69 130.9 27.8 41.6#  
84 122.1 71.8 107.8#





#33

1,2-Dichloroethane-d4

Concen: 59.866 ug/l

RT: 8.061 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY023845.D

Acq: 01 Dec 2025 15:57

Instrument :

MSVOA\_Y

ClientSampleId :

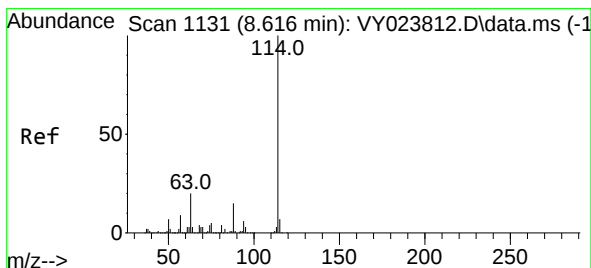
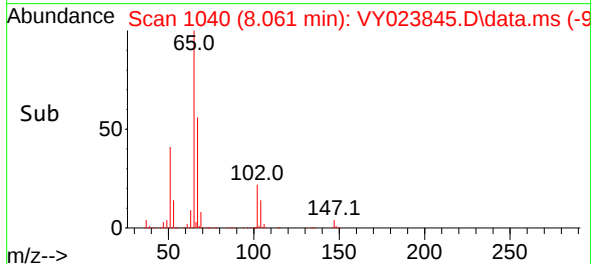
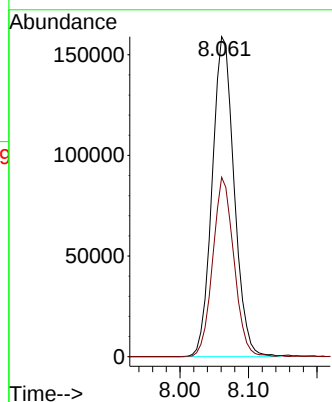
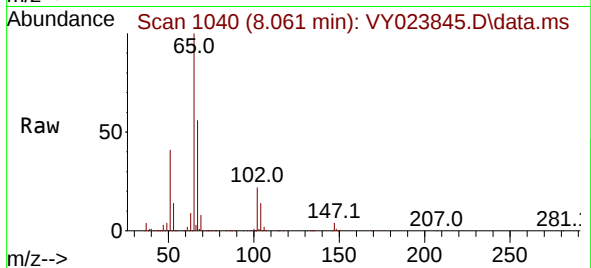
SB-1125-8

Tgt Ion: 65 Resp: 354950

Ion Ratio Lower Upper

65 100

67 54.0 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: VY023845.D

Acq: 01 Dec 2025 15:57

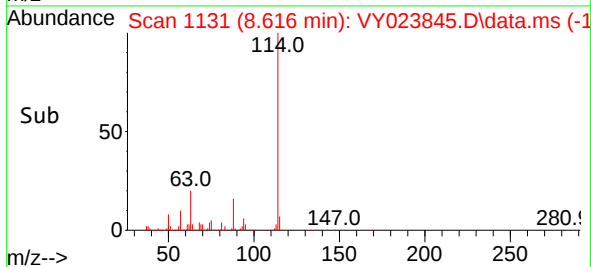
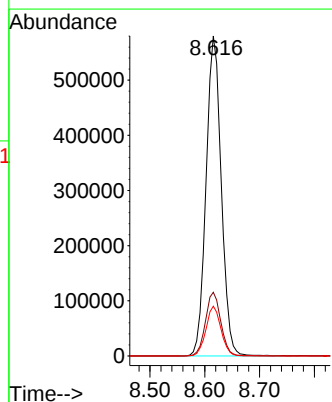
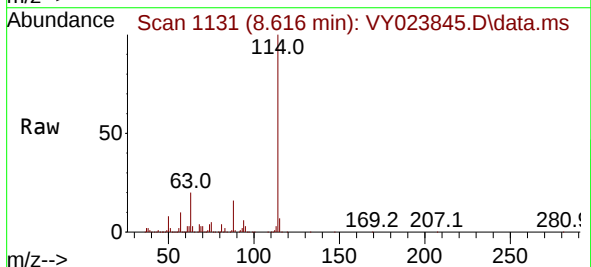
Tgt Ion:114 Resp: 1113703

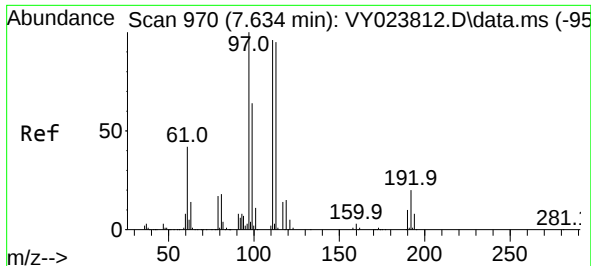
Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.4

88 15.6 0.0 30.8

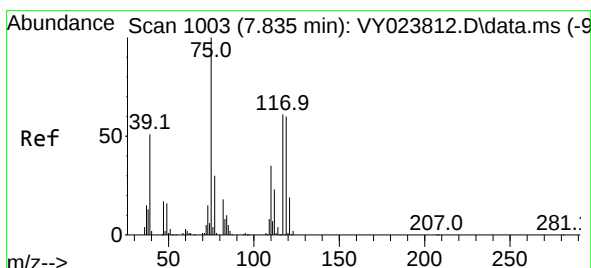
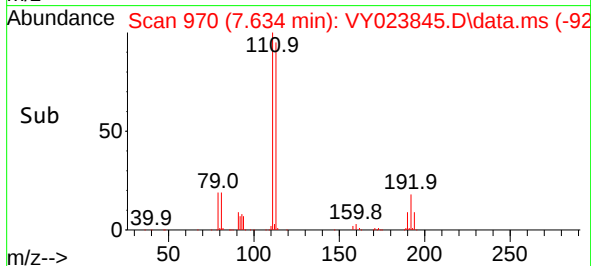
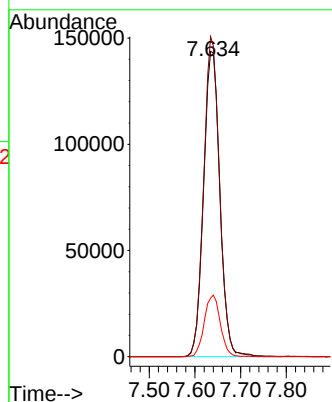
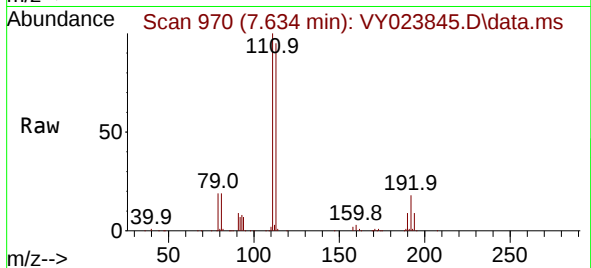




#35  
Dibromofluoromethane  
Concen: 53.821 ug/l  
RT: 7.634 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY023845.D  
Acq: 01 Dec 2025 15:57

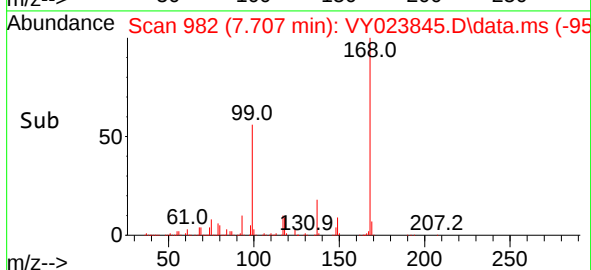
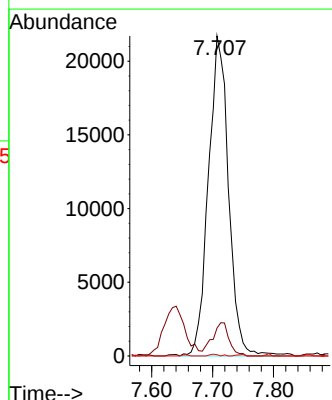
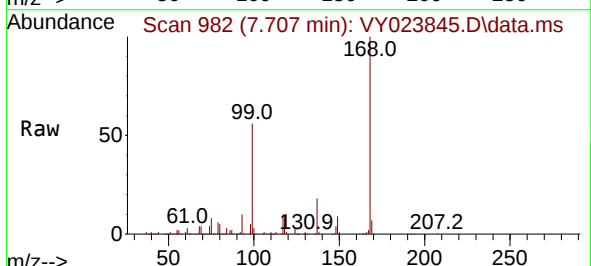
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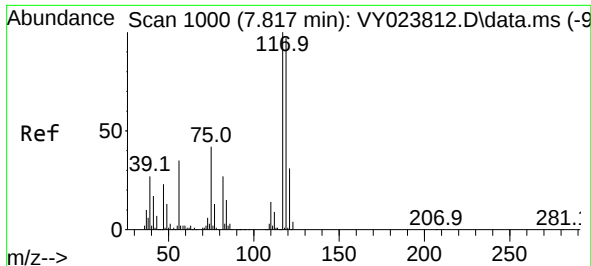
Tgt Ion:113 Resp: 355083  
Ion Ratio Lower Upper  
113 100  
111 102.8 81.4 122.0  
192 19.9 15.8 23.8



#36  
1,1-Dichloropropene  
Concen: 4.928 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. -0.128 min  
Lab File: VY023845.D  
Acq: 01 Dec 2025 15:57

Tgt Ion: 75 Resp: 49849  
Ion Ratio Lower Upper  
75 100  
110 8.7 17.6 52.8#  
77 0.3 24.9 37.3#

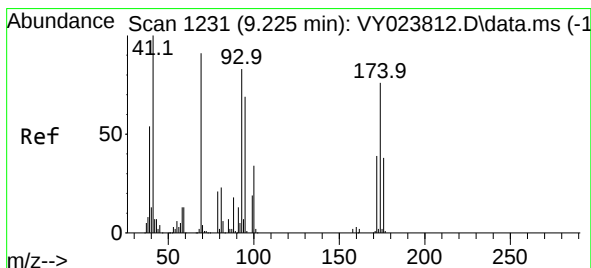
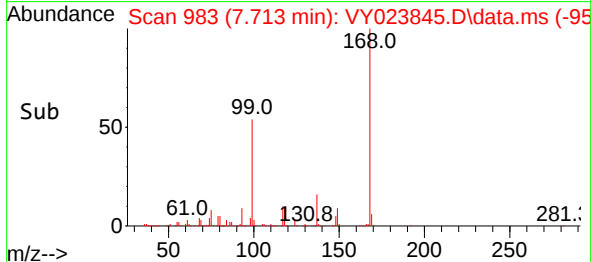
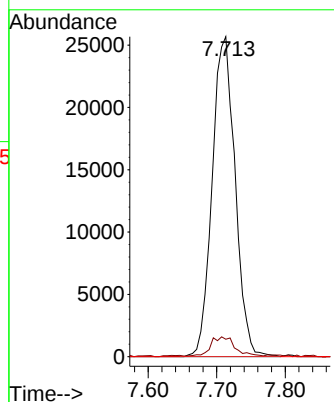
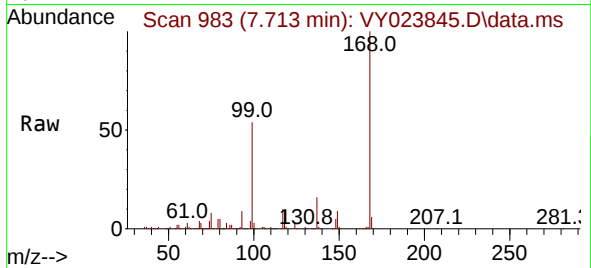




#38  
Carbon Tetrachloride  
Concen: 5.370 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. -0.104 min  
Lab File: VY023845.D  
Acq: 01 Dec 2025 15:57

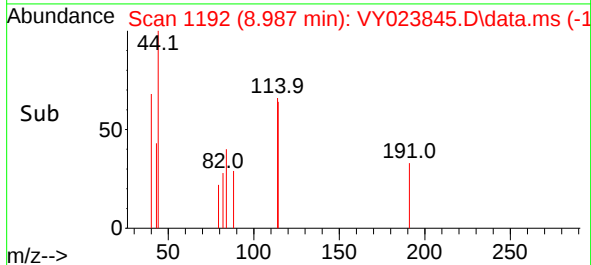
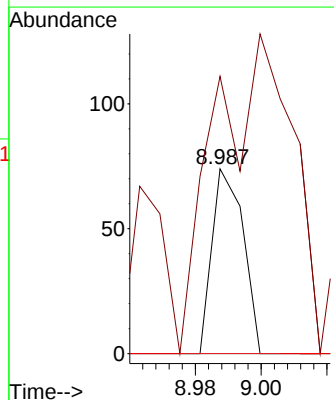
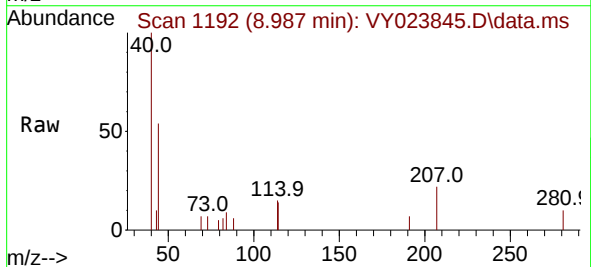
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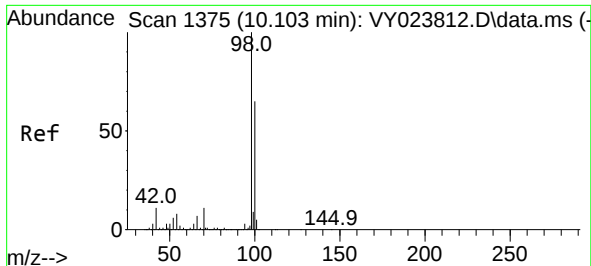
Tgt Ion:117 Resp: 59621  
Ion Ratio Lower Upper  
117 100  
119 5.0 77.3 115.9#  
121 0.0 25.0 37.6#



#49  
1,4-Dioxane  
Concen: 1.098 ug/l  
RT: 8.987 min Scan# 1192  
Delta R.T. -0.238 min  
Lab File: VY023845.D  
Acq: 01 Dec 2025 15:57

Tgt Ion: 88 Resp: 49  
Ion Ratio Lower Upper  
88 100  
43 469.4 24.6 37.0#  
58 0.0 53.4 80.2#

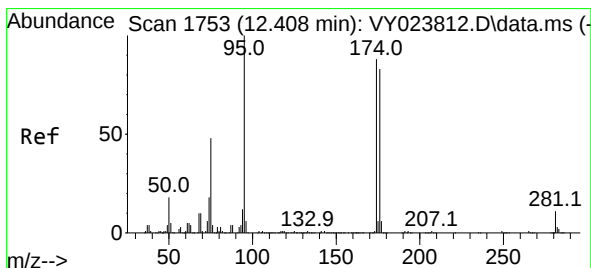
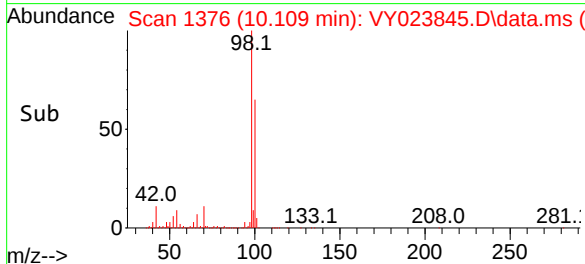
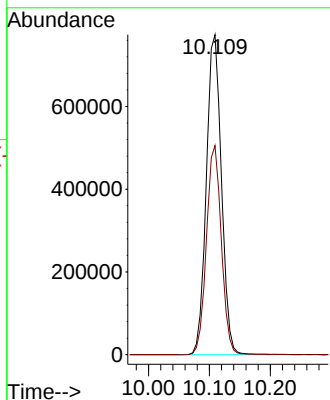
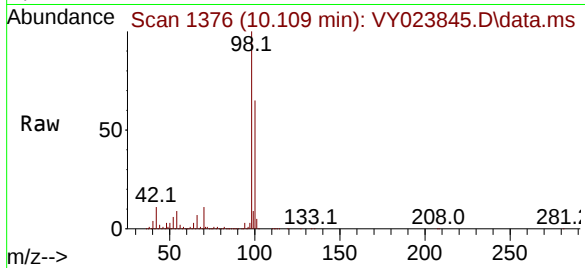




#50  
Toluene-d8  
Concen: 50.817 ug/l  
RT: 10.109 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY023845.D  
Acq: 01 Dec 2025 15:57

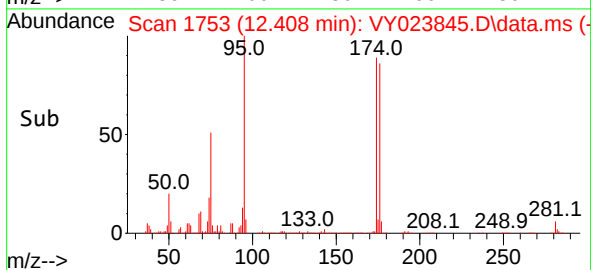
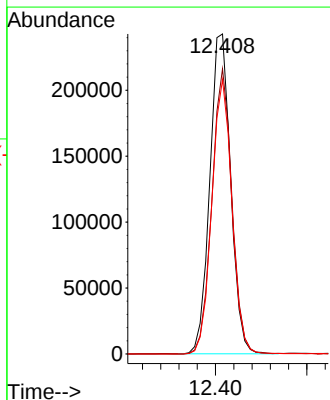
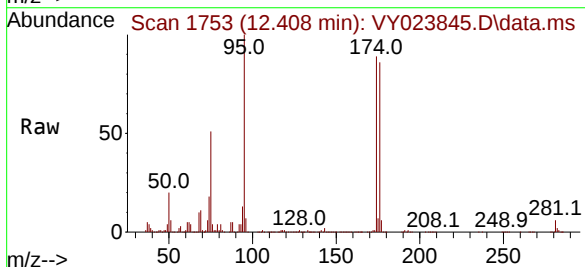
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1125-8

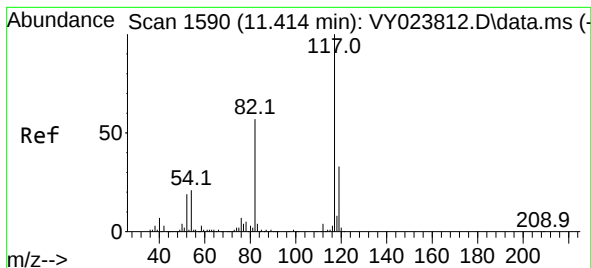
Tgt Ion: 98 Resp: 1331655  
Ion Ratio Lower Upper  
98 100  
100 64.5 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 44.454 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.000 min  
Lab File: VY023845.D  
Acq: 01 Dec 2025 15:57

Tgt Ion: 95 Resp: 383301  
Ion Ratio Lower Upper  
95 100  
174 85.8 0.0 168.6  
176 82.9 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023845.D

Acq: 01 Dec 2025 15:57

Instrument :

MSVOA\_Y

ClientSampleId :

SB-1125-8

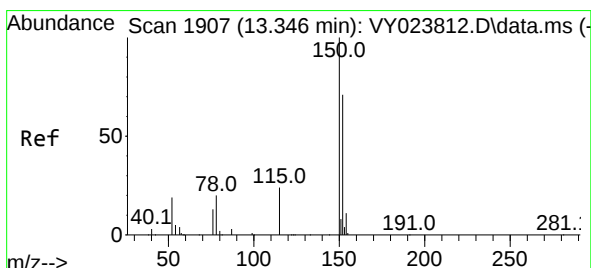
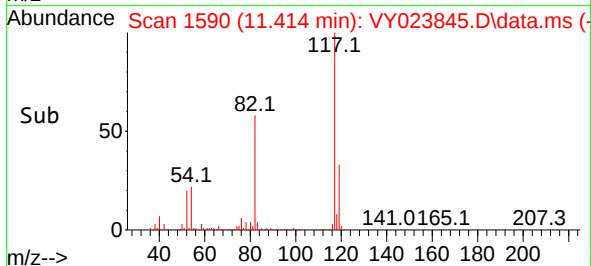
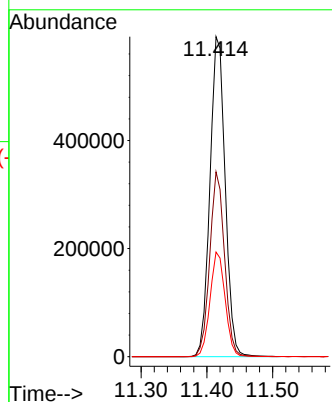
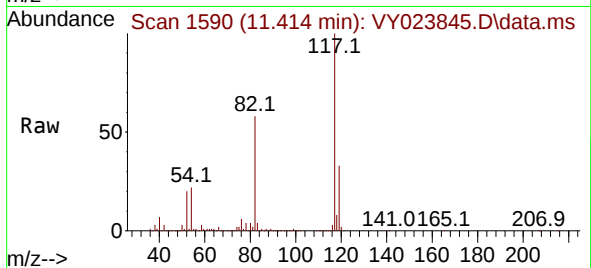
Tgt Ion:117 Resp: 955695

Ion Ratio Lower Upper

117 100

82 57.8 45.4 68.0

119 32.7 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: VY023845.D

Acq: 01 Dec 2025 15:57

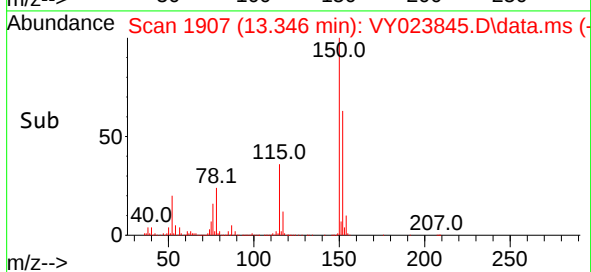
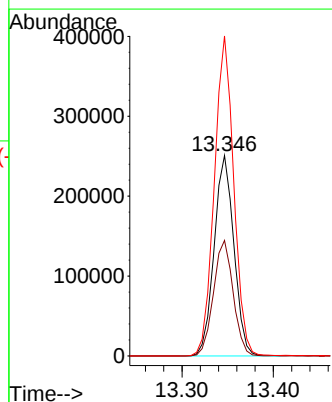
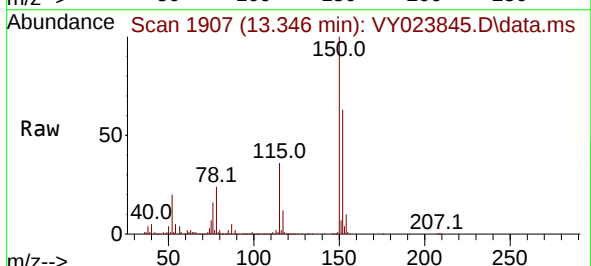
Tgt Ion:152 Resp: 376385

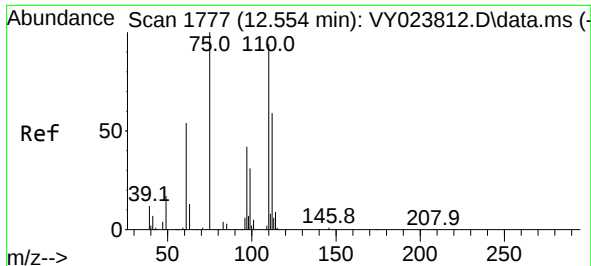
Ion Ratio Lower Upper

152 100

115 57.5 28.7 86.3

150 157.0 0.0 345.6

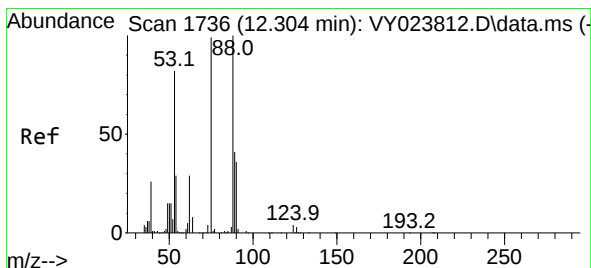
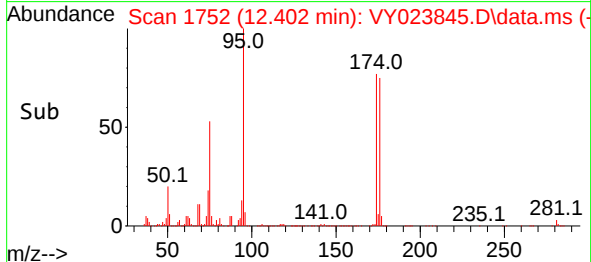
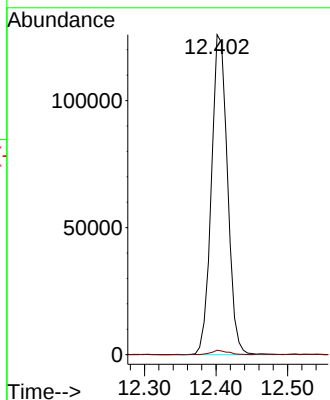
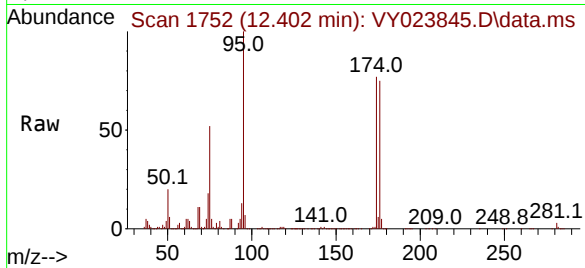




#76  
1,2,3-Trichloropropane  
Concen: 60.224 ug/l  
RT: 12.402 min Scan# 1752  
Delta R.T. -0.152 min  
Lab File: VY023845.D  
Acq: 01 Dec 2025 15:57

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1125-8

Tgt Ion: 75 Resp: 197120  
Ion Ratio Lower Upper  
75 100  
77 1.5 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 127.296 ug/l  
RT: 12.402 min Scan# 1752  
Delta R.T. 0.098 min  
Lab File: VY023845.D  
Acq: 01 Dec 2025 15:57

Tgt Ion: 75 Resp: 197120  
Ion Ratio Lower Upper  
75 100  
53 0.2 71.3 106.9#  
89 0.1 37.0 55.4#

