

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120225\  
 Data File : VY023850.D  
 Acq On : 02 Dec 2025 10:24  
 Operator : SY/MD  
 Sample : VY1202SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Dec 03 00:59:43 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

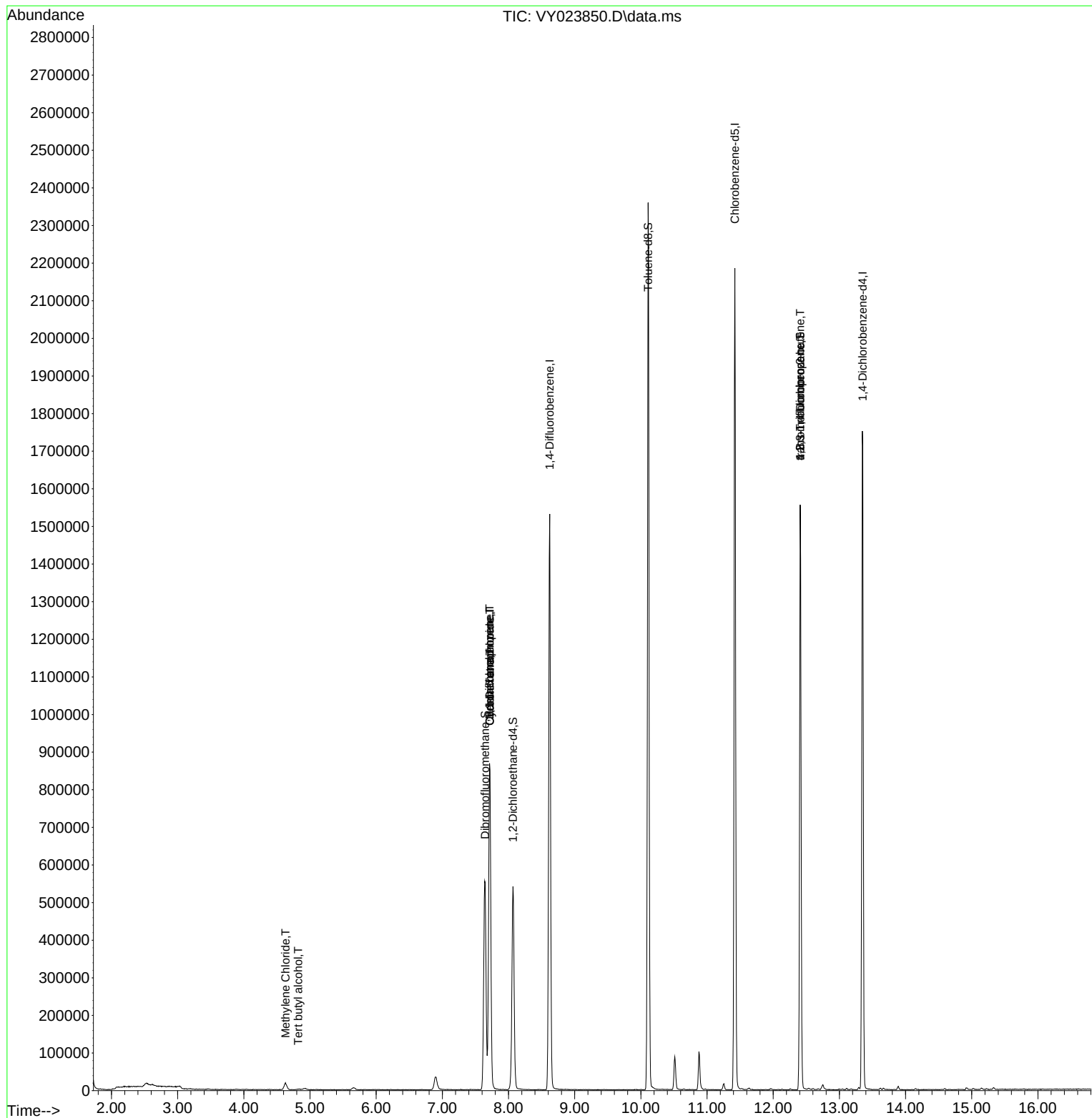
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.713  | 168   | 690111   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.622  | 114   | 1278486  | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.420 | 117   | 1125521  | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.353 | 152   | 454228   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.067  | 65    | 421477   | 62.714   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | = 125.420% |          |
| 35) Dibromofluoromethane      | 7.646  | 113   | 410218   | 54.164   | ug/l       | 0.01     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | = 108.320% |          |
| 50) Toluene-d8                | 10.109 | 98    | 1524404  | 50.674   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery | = 101.340% |          |
| 62) 4-Bromofluorobenzene      | 12.408 | 95    | 454362   | 45.904   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery | = 91.800%  |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.824  | 59    | 1852     | 3.355    | ug/l #     | 73       |
| 20) Methylene Chloride        | 4.629  | 84    | 12676    | 1.548    | ug/l       | 94       |
| 31) Cyclohexane               | 7.719  | 56    | 14020    | 1.085    | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.713  | 75    | 54213    | 4.669    | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 7.719  | 117   | 68414    | 5.367    | ug/l #     | 16       |
| 76) 1,2,3-Trichloropropane    | 12.408 | 75    | 233777   | 59.183   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.408 | 75    | 233777   | 125.096  | ug/l #     | 14       |
| -----                         |        |       |          |          |            |          |

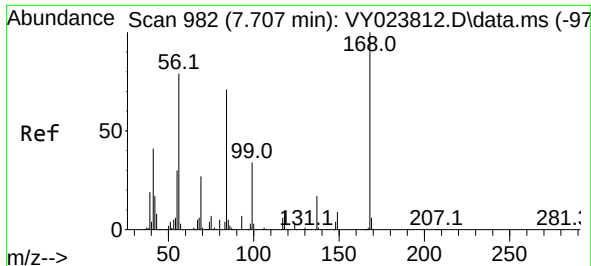
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120225\  
Data File : VY023850.D  
Acq On : 02 Dec 2025 10:24  
Operator : SY/MD  
Sample : VY1202SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Dec 03 00:59:43 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

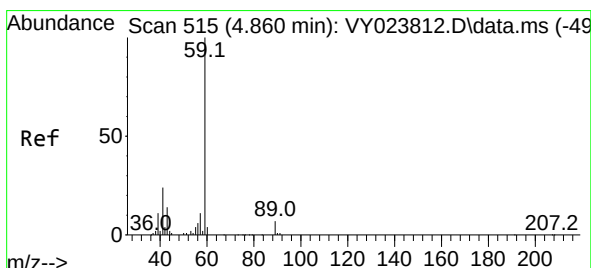
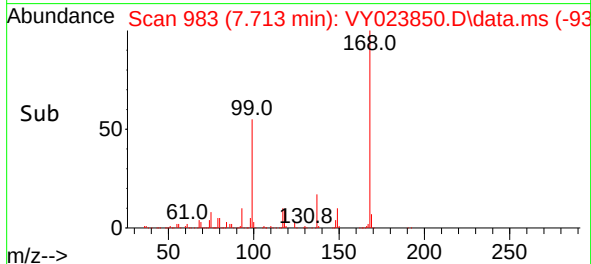
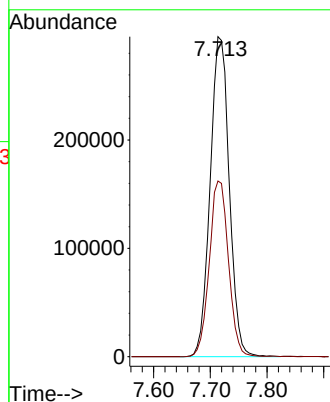
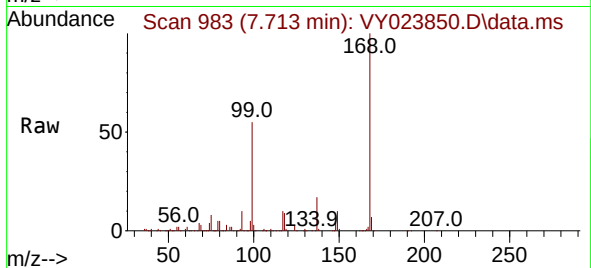




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY023850.D  
Acq: 02 Dec 2025 10:24

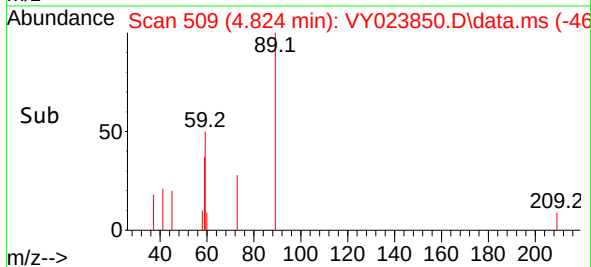
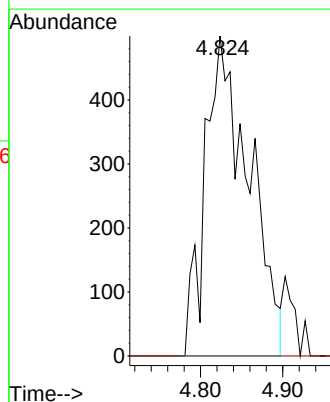
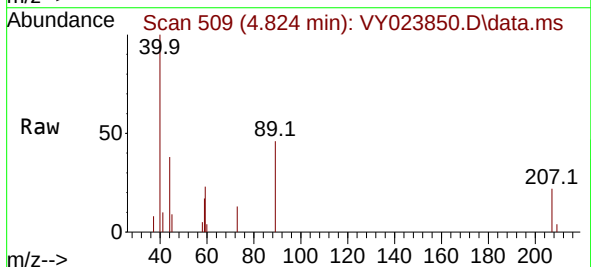
Instrument :  
MSVOA\_Y  
ClientSampleId :

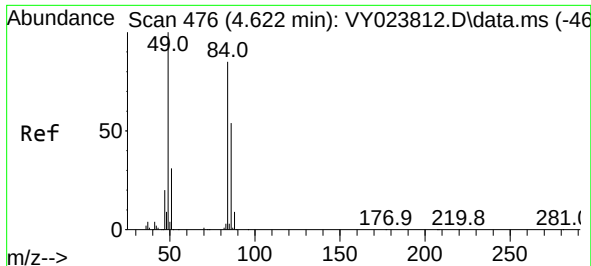
Tgt Ion:168 Resp: 690111  
Ion Ratio Lower Upper  
168 100  
99 54.9 44.0 66.0



#11  
Tert butyl alcohol  
Concen: 3.355 ug/l  
RT: 4.824 min Scan# 509  
Delta R.T. -0.036 min  
Lab File: VY023850.D  
Acq: 02 Dec 2025 10:24

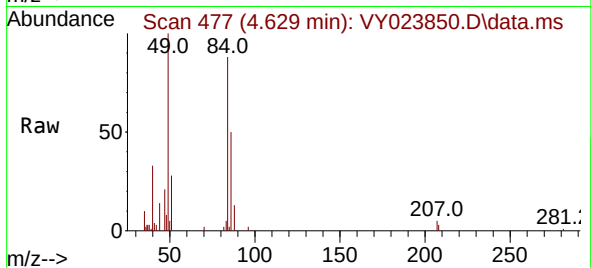
Tgt Ion: 59 Resp: 1852  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.0 12.0#



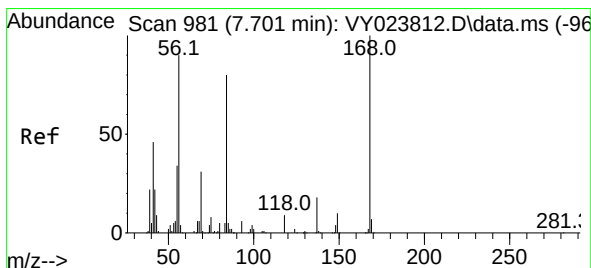
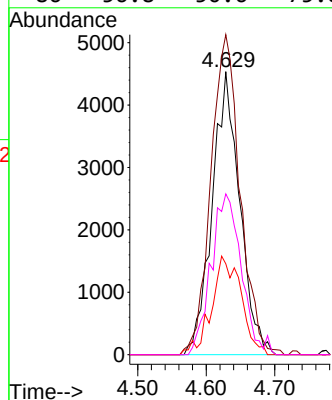
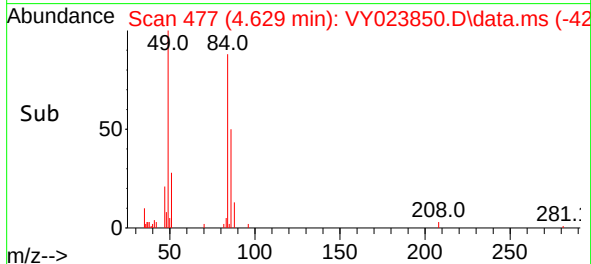


#20  
Methylene Chloride  
Concen: 1.548 ug/l  
RT: 4.629 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VY023850.D  
Acq: 02 Dec 2025 10:24

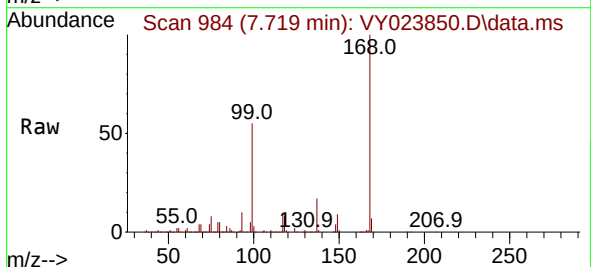
Instrument :  
MSVOA\_Y  
ClientSampleId :



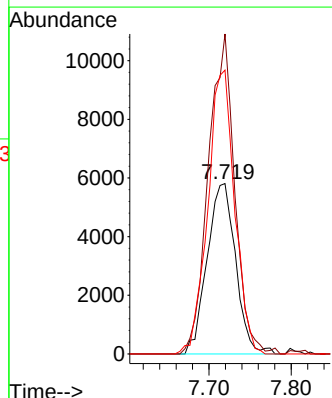
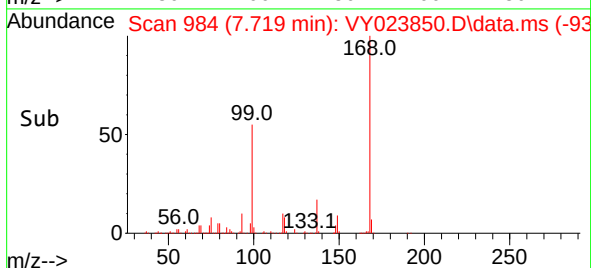
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 12676 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 113.0 | 94.0  | 141.0 |
| 51       | 32.1  | 29.2  | 43.8  |
| 86       | 56.8  | 50.6  | 75.8  |

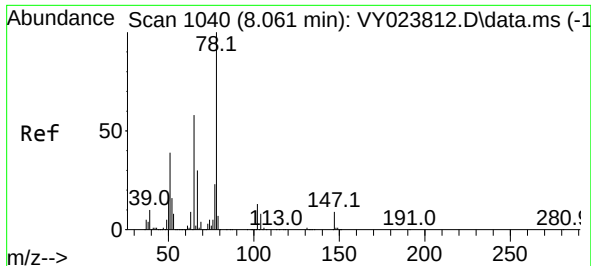


#31  
Cyclohexane  
Concen: 1.085 ug/l  
RT: 7.719 min Scan# 984  
Delta R.T. 0.018 min  
Lab File: VY023850.D  
Acq: 02 Dec 2025 10:24



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 14020  |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 187.8 | 27.8  | 41.6#  |
| 84       | 166.6 | 71.8  | 107.8# |





#33

1,2-Dichloroethane-d4

Concen: 62.714 ug/l

RT: 8.067 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023850.D

Acq: 02 Dec 2025 10:24

Instrument :

MSVOA\_Y

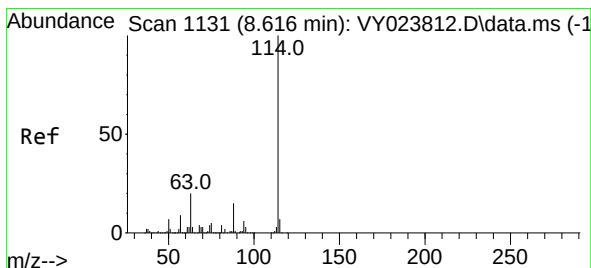
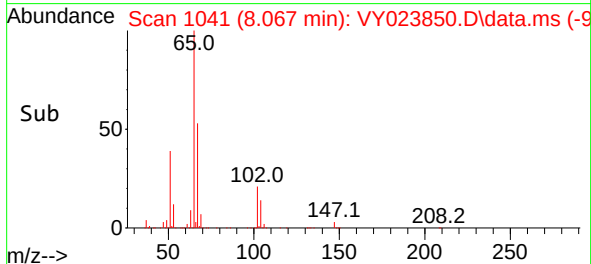
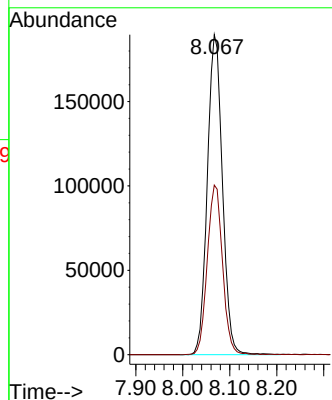
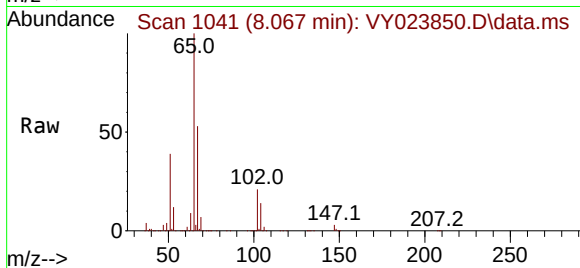
ClientSampleId :

Tgt Ion: 65 Resp: 421477

Ion Ratio Lower Upper

65 100

67 53.5 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY023850.D

Acq: 02 Dec 2025 10:24

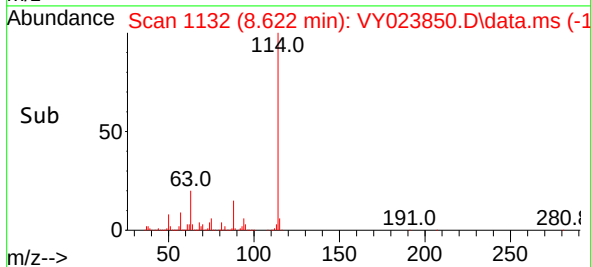
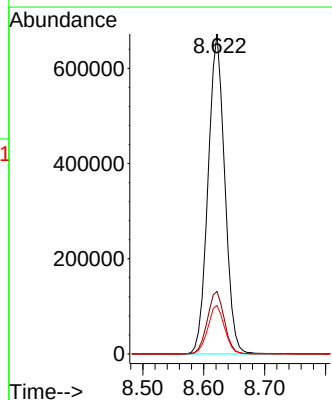
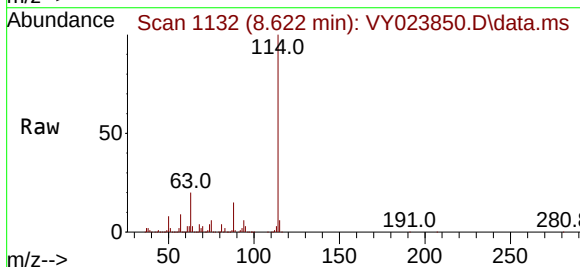
Tgt Ion:114 Resp: 1278486

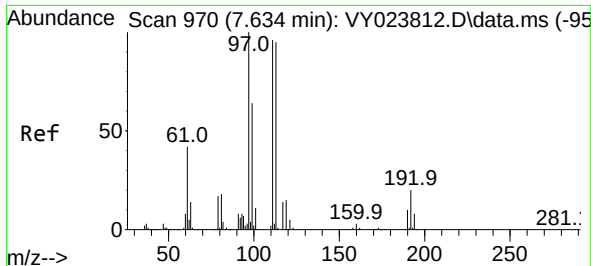
Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.4

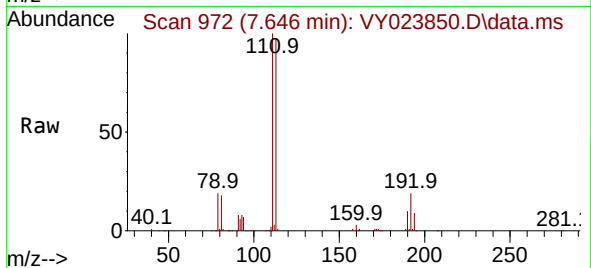
88 15.1 0.0 30.8



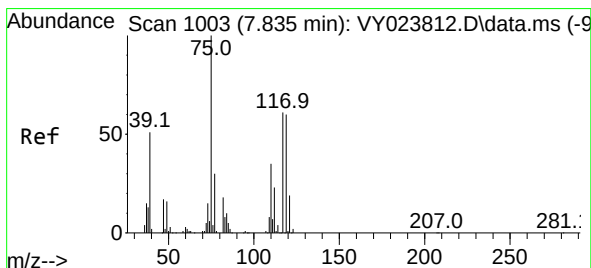
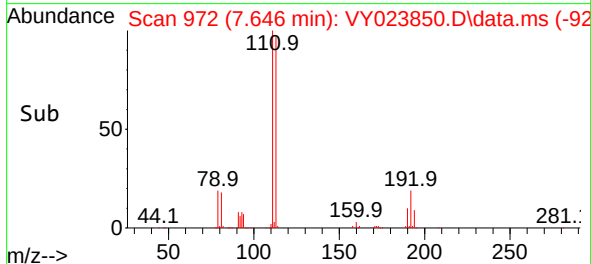
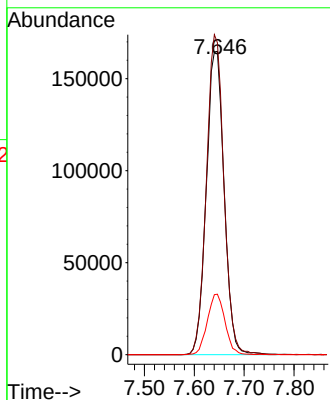


#35  
Dibromofluoromethane  
Concen: 54.164 ug/l  
RT: 7.646 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VY023850.D  
Acq: 02 Dec 2025 10:24

Instrument :  
MSVOA\_Y  
ClientSampleId :

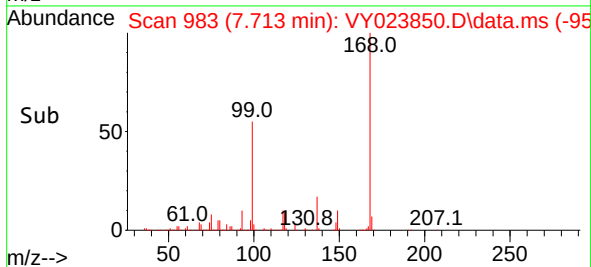
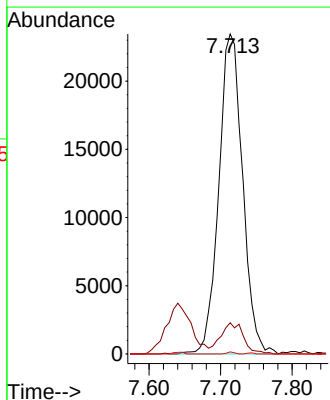
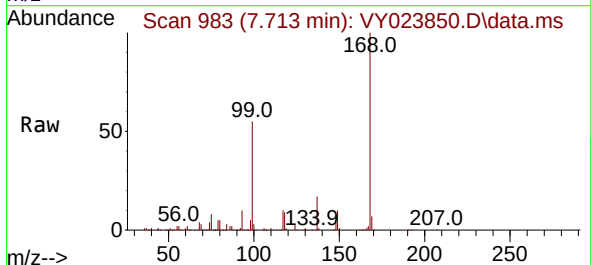


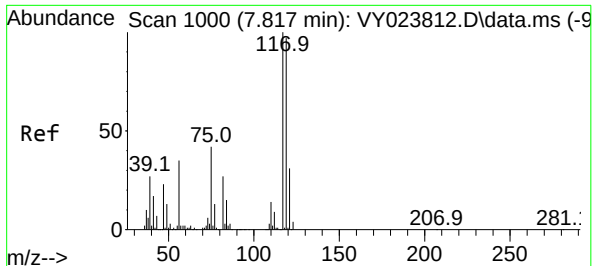
Tgt Ion:113 Resp: 410218  
Ion Ratio Lower Upper  
113 100  
111 103.3 81.4 122.0  
192 19.7 15.8 23.8



#36  
1,1-Dichloropropene  
Concen: 4.669 ug/l  
RT: 7.713 min Scan# 983  
Delta R.T. -0.122 min  
Lab File: VY023850.D  
Acq: 02 Dec 2025 10:24

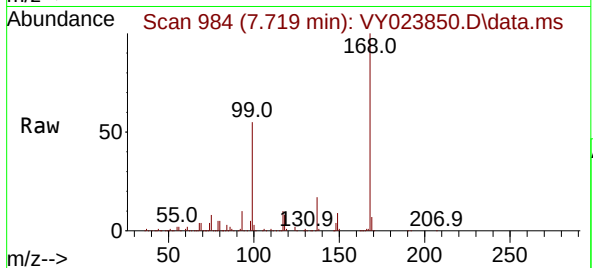
Tgt Ion: 75 Resp: 54213  
Ion Ratio Lower Upper  
75 100  
110 9.4 17.6 52.8#  
77 0.2 24.9 37.3#



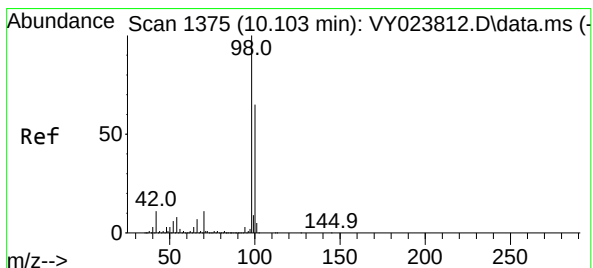
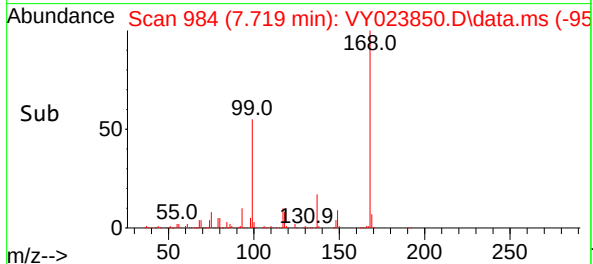
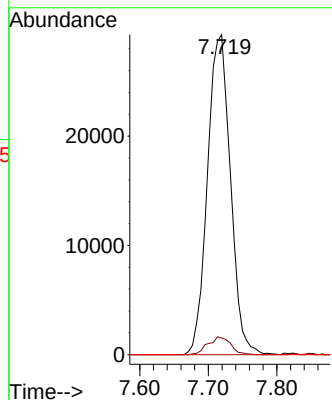


#38  
Carbon Tetrachloride  
Concen: 5.367 ug/l  
RT: 7.719 min Scan# 91  
Delta R.T. -0.097 min  
Lab File: VY023850.D  
Acq: 02 Dec 2025 10:24

Instrument :  
MSVOA\_Y  
ClientSampleId :

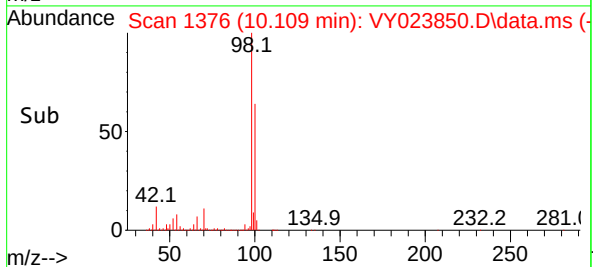
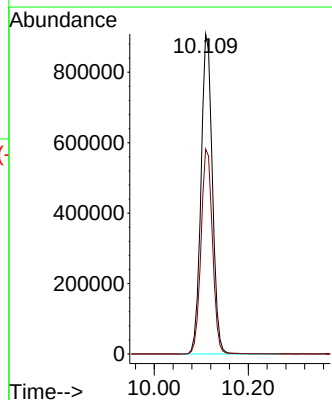
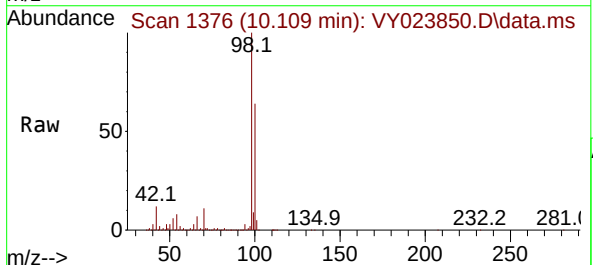


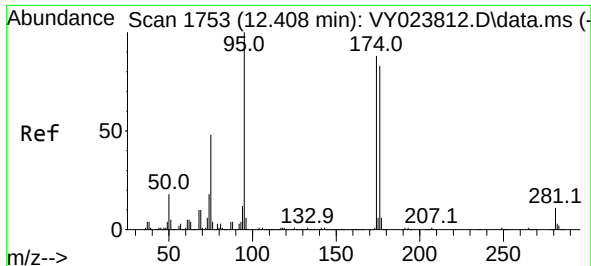
Tgt Ion:117 Resp: 68414  
Ion Ratio Lower Upper  
117 100  
119 5.2 77.3 115.9#  
121 0.0 25.0 37.6#



#50  
Toluene-d8  
Concen: 50.674 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. 0.006 min  
Lab File: VY023850.D  
Acq: 02 Dec 2025 10:24

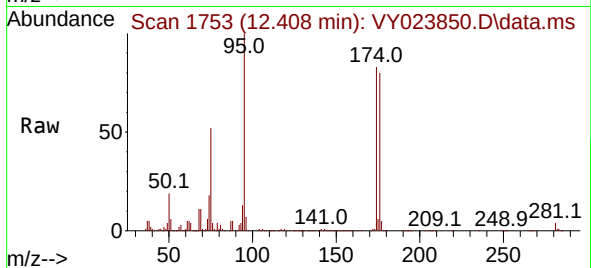
Tgt Ion: 98 Resp: 1524404  
Ion Ratio Lower Upper  
98 100  
100 64.7 51.9 77.9



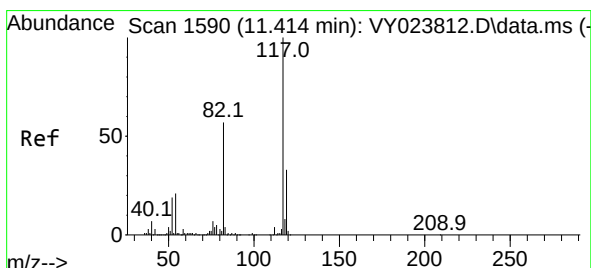
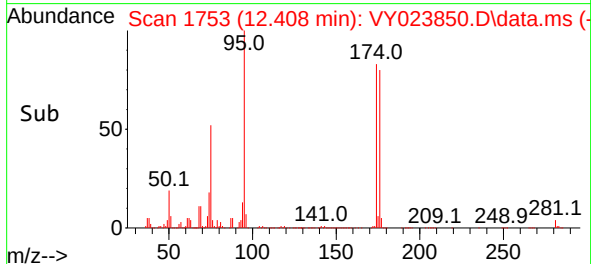
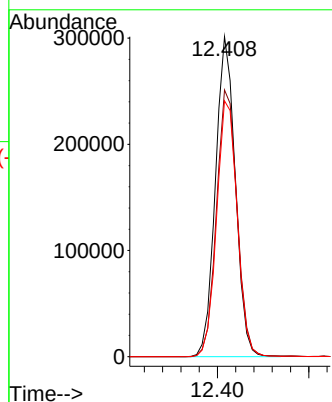


#62  
4-Bromofluorobenzene  
Concen: 45.904 ug/l  
RT: 12.408 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY023850.D  
Acq: 02 Dec 2025 10:24

Instrument :  
MSVOA\_Y  
ClientSampleId :

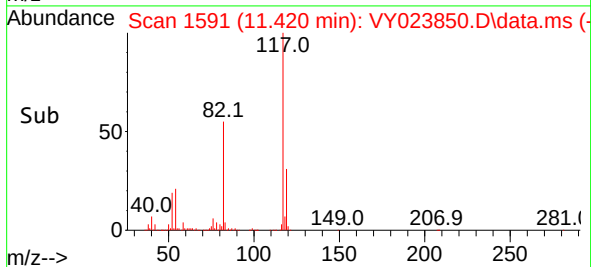
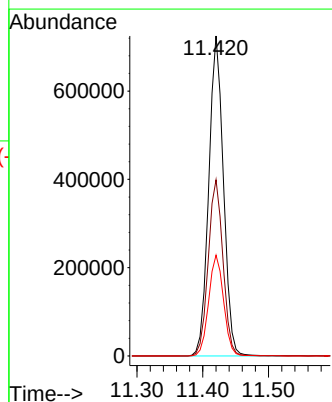
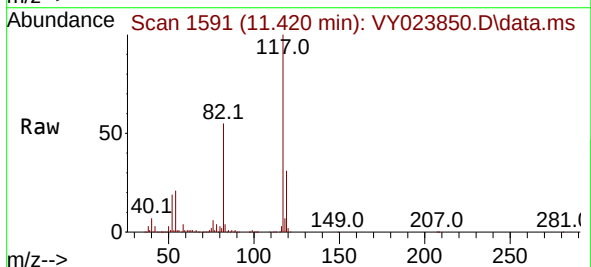


Tgt Ion: 95 Resp: 454362  
Ion Ratio Lower Upper  
95 100  
174 86.7 0.0 168.6  
176 82.8 0.0 164.6

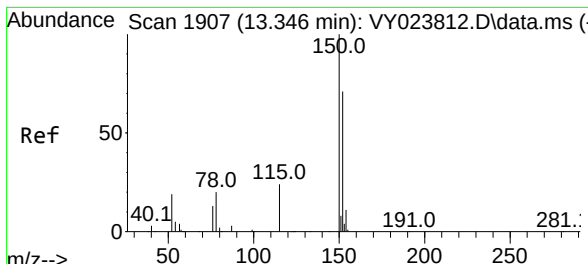


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.420 min Scan# 1591  
Delta R.T. 0.006 min  
Lab File: VY023850.D  
Acq: 02 Dec 2025 10:24

Tgt Ion: 117 Resp: 1125521  
Ion Ratio Lower Upper  
117 100  
82 55.0 45.4 68.0  
119 31.5 26.0 39.0



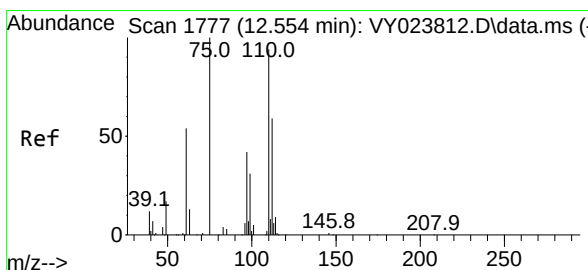
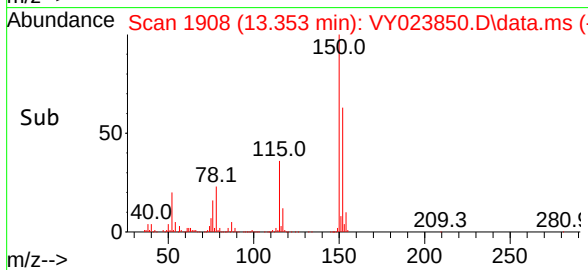
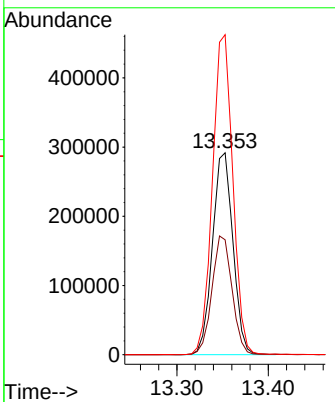
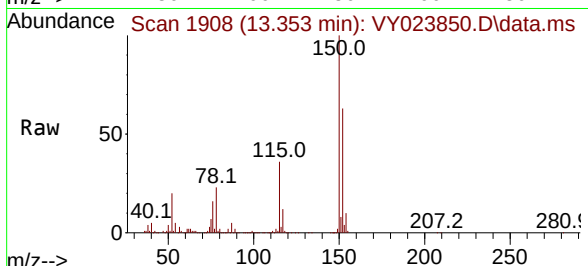




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.353 min Scan# 1908  
 Delta R.T. 0.006 min  
 Lab File: VY023850.D  
 Acq: 02 Dec 2025 10:24

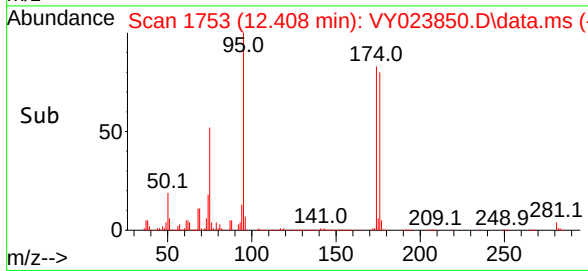
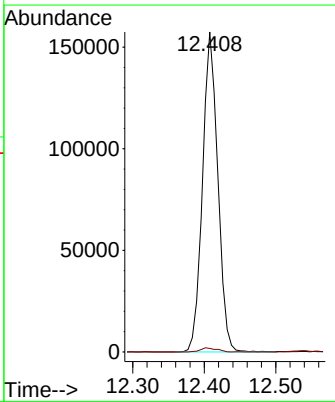
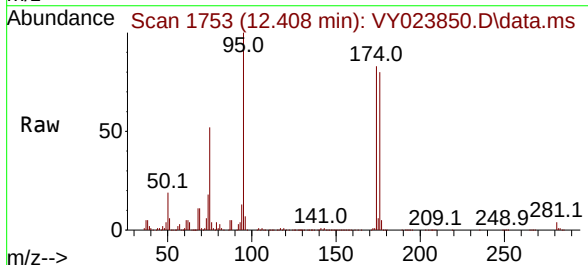
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

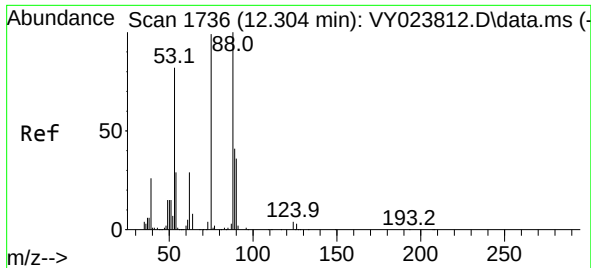
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 454228 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 57.9  | 28.7  | 86.3   |
| 150      | 157.8 | 0.0   | 345.6  |



#76  
 1,2,3-Trichloropropane  
 Concen: 59.183 ug/l  
 RT: 12.408 min Scan# 1753  
 Delta R.T. -0.146 min  
 Lab File: VY023850.D  
 Acq: 02 Dec 2025 10:24

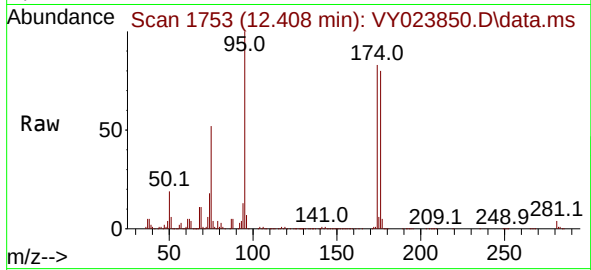
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 233777 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 77       | 1.4   | 0.0   | 0.0#   |





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 125.096 ug/l  
 RT: 12.408 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY023850.D  
 Acq: 02 Dec 2025 10:24

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion: 75 Resp: 233777  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 71.3 106.9#  
 89 0.0 37.0 55.4#

