

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101525\  
 Data File : VY023474.D  
 Acq On : 15 Oct 2025 12:51  
 Operator : SY/MD  
 Sample : Q3348-03  
 Misc : 5.24g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 6 Sample Multiplier: 1

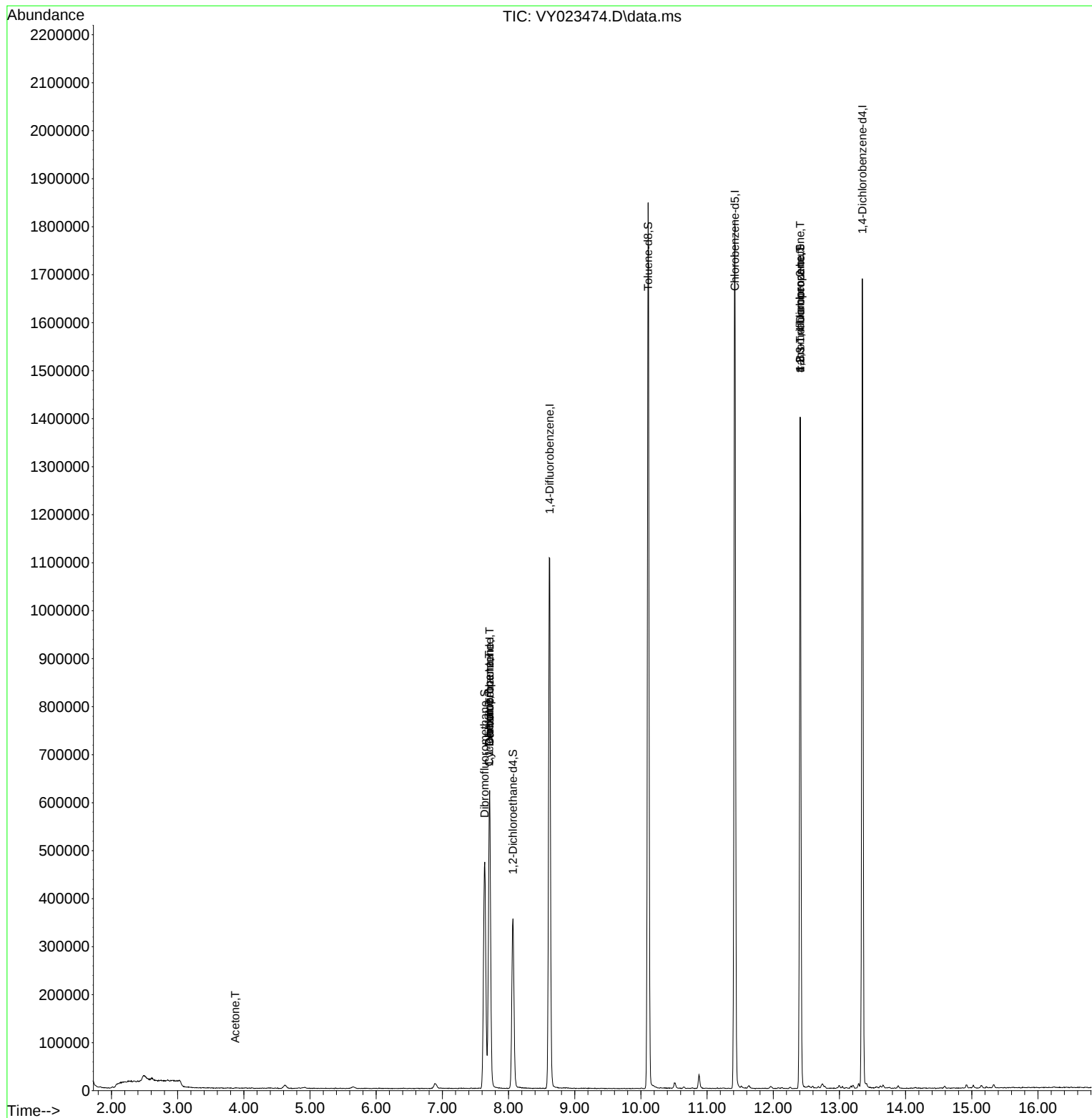
Quant Time: Oct 16 02:44:18 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 05:12:50 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.713  | 168   | 508742   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.622  | 114   | 1010117  | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.420 | 117   | 1032725  | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346 | 152   | 443497   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.067  | 65    | 279711   | 65.750   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | = 131.500% |          |
| 35) Dibromofluoromethane      | 7.640  | 113   | 345555   | 55.675   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | = 111.340% |          |
| 50) Toluene-d8                | 10.109 | 98    | 1225100  | 53.002   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery | = 106.000% |          |
| 62) 4-Bromofluorobenzene      | 12.408 | 95    | 403308   | 52.850   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery | = 105.700% |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 16) Acetone                   | 3.872  | 43    | 1694     | 1.673    | ug/l #     | 81       |
| 31) Cyclohexane               | 7.707  | 56    | 9041     | 1.278    | ug/l #     | 4        |
| 36) 1,1-Dichloropropene       | 7.707  | 75    | 34838    | 4.240    | ug/l #     | 47       |
| 38) Carbon Tetrachloride      | 7.713  | 117   | 47703    | 4.788    | ug/l #     | 16       |
| 76) 1,2,3-Trichloropropane    | 12.408 | 75    | 198497   | 50.730   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.408 | 75    | 198497   | 124.399  | ug/l #     | 15       |
| -----                         |        |       |          |          |            |          |

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

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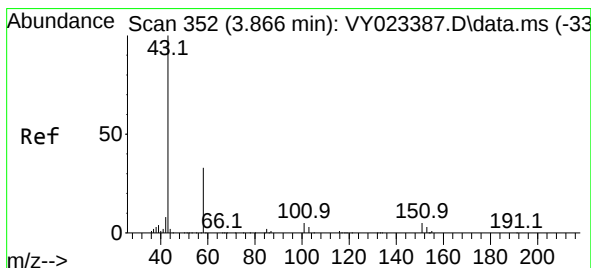
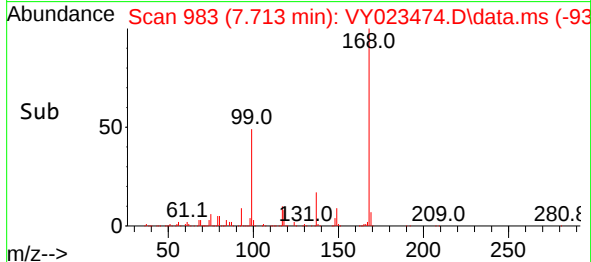
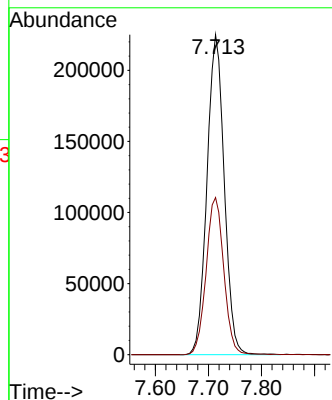
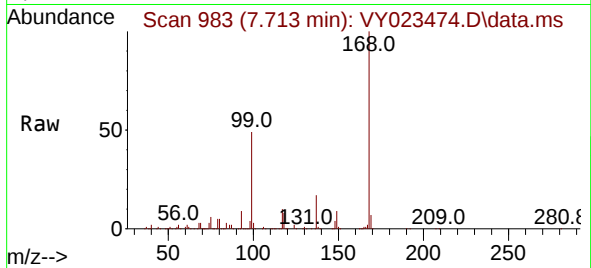
Quant Time: Oct 16 02:44:18 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 05:12:50 2025  
Response via : Initial Calibration





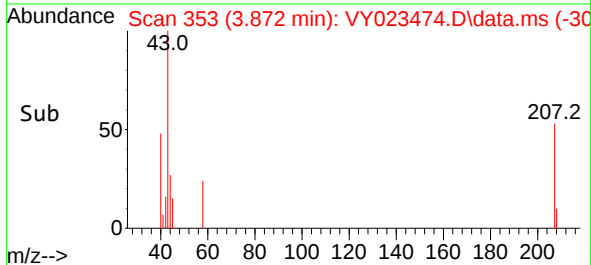
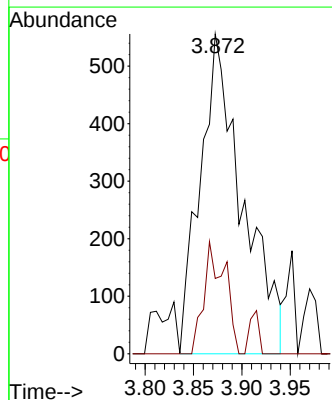
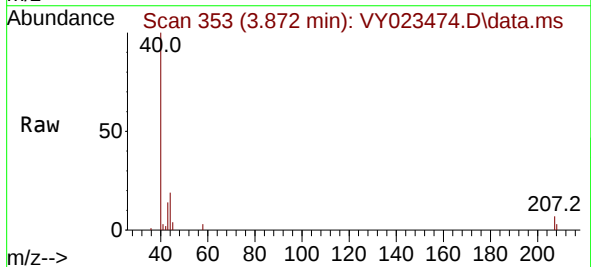
#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 983  
Delta R.T. 0.006 min  
Lab File: VY023474.D  
Acq: 15 Oct 2025 12:51

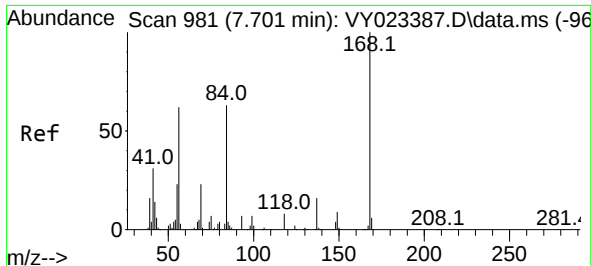
Tgt Ion:168 Resp: 508742  
Ion Ratio Lower Upper  
168 100  
99 49.1 39.7 59.5



#16  
Acetone  
Concen: 1.673 ug/l  
RT: 3.872 min Scan# 353  
Delta R.T. 0.006 min  
Lab File: VY023474.D  
Acq: 15 Oct 2025 12:51

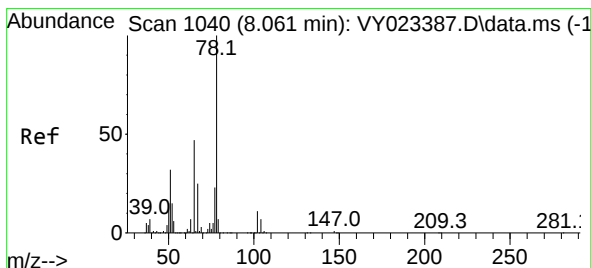
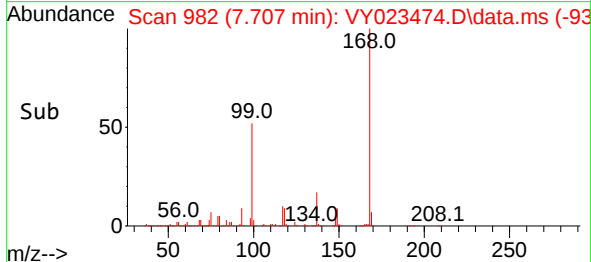
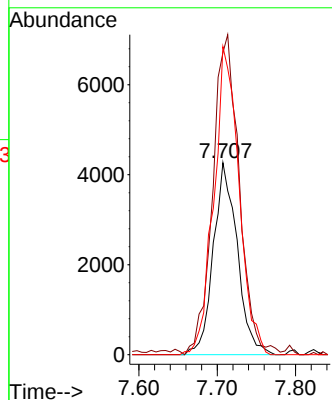
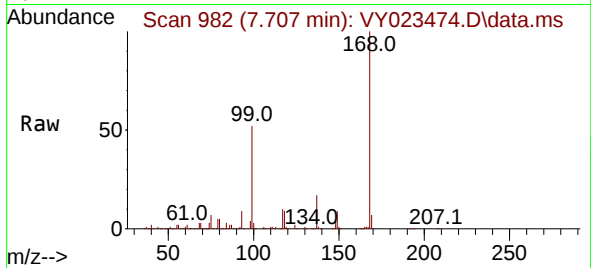
Tgt Ion: 43 Resp: 1694  
Ion Ratio Lower Upper  
43 100  
58 23.6 27.7 41.5#





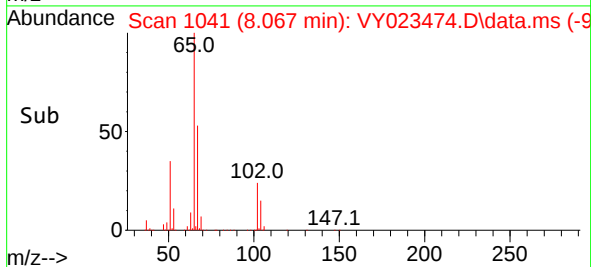
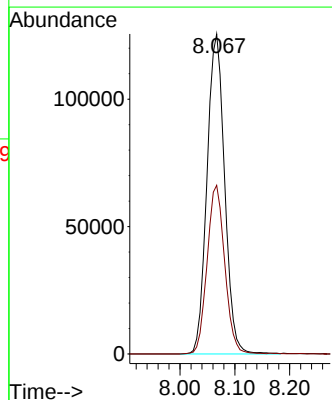
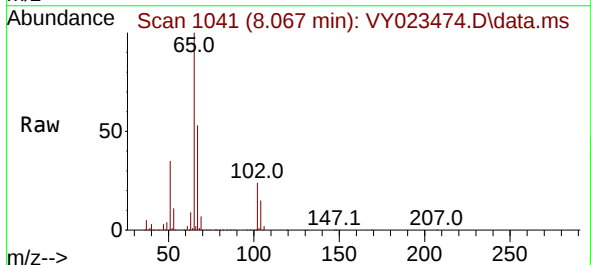
#31  
Cyclohexane  
Concen: 1.278 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. 0.006 min  
Lab File: VY023474.D  
Acq: 15 Oct 2025 12:51

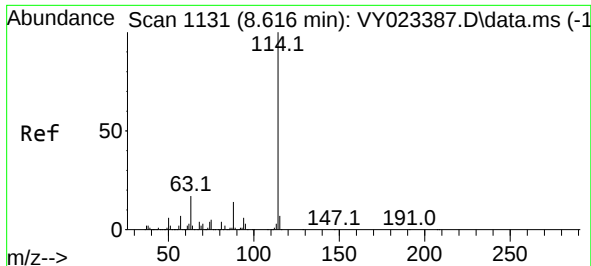
Tgt Ion: 56 Resp: 9041  
Ion Ratio Lower Upper  
56 100  
69 155.8 30.0 45.0#  
84 160.3 81.2 121.8#



#33  
1,2-Dichloroethane-d4  
Concen: 65.750 ug/l  
RT: 8.067 min Scan# 1041  
Delta R.T. 0.006 min  
Lab File: VY023474.D  
Acq: 15 Oct 2025 12:51

Tgt Ion: 65 Resp: 279711  
Ion Ratio Lower Upper  
65 100  
67 52.7 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY023474.D

Acq: 15 Oct 2025 12:51

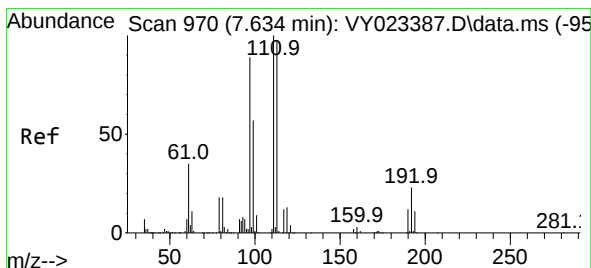
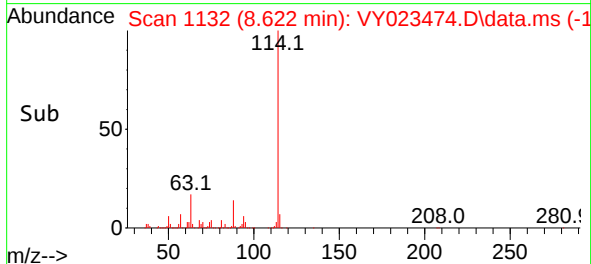
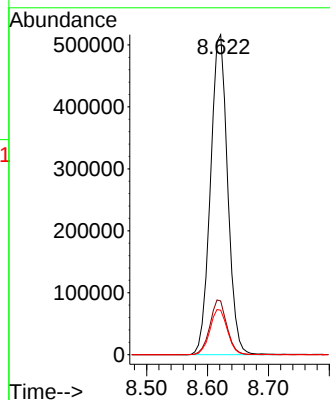
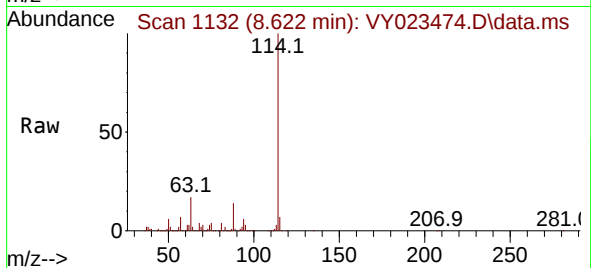
Tgt Ion:114 Resp: 1010117

Ion Ratio Lower Upper

114 100

63 16.8 0.0 34.2

88 13.9 0.0 28.4



#35

Dibromofluoromethane

Concen: 55.675 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY023474.D

Acq: 15 Oct 2025 12:51

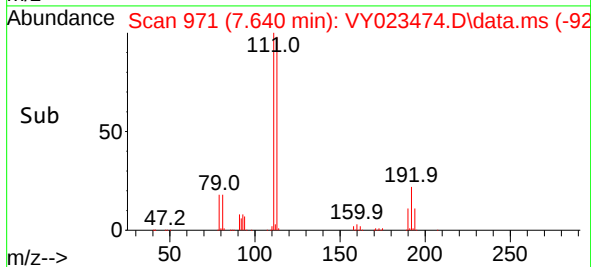
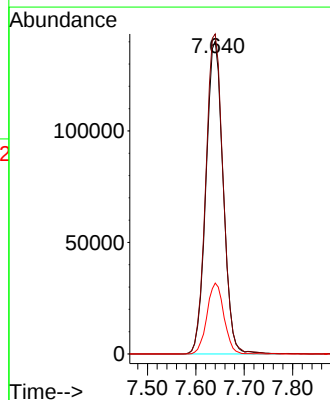
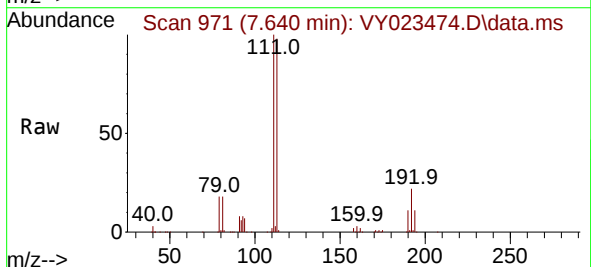
Tgt Ion:113 Resp: 345555

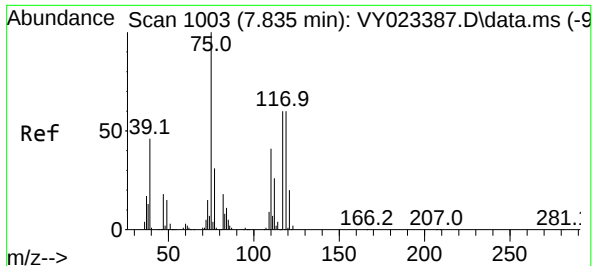
Ion Ratio Lower Upper

113 100

111 102.9 81.8 122.6

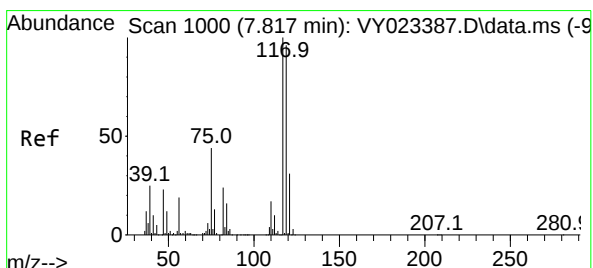
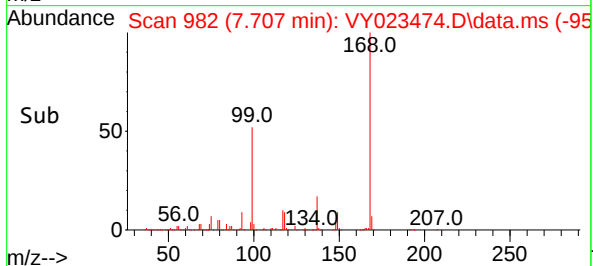
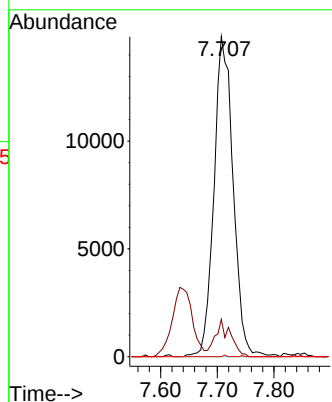
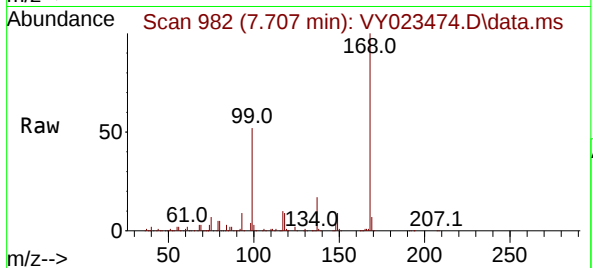
192 22.4 18.0 27.0





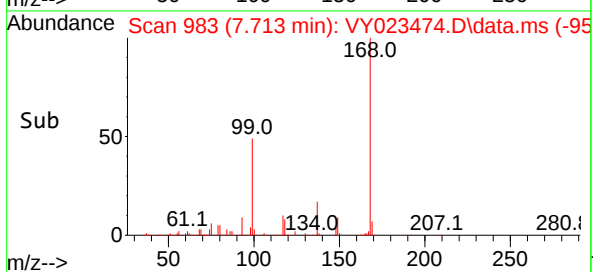
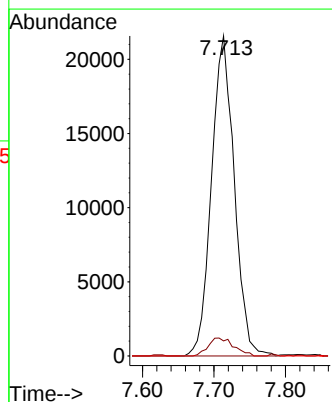
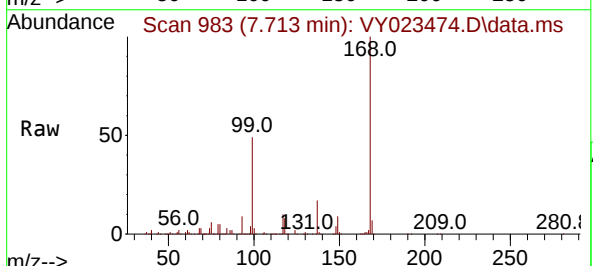
#36  
1,1-Dichloropropene  
Concen: 4.240 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. -0.128 min  
Lab File: VY023474.D  
Acq: 15 Oct 2025 12:51

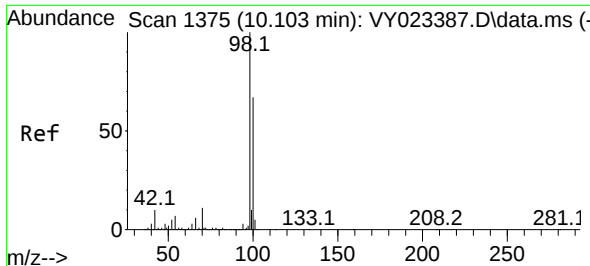
Tgt Ion: 75 Resp: 34838  
Ion Ratio Lower Upper  
75 100  
110 9.4 19.9 59.7#  
77 0.1 25.0 37.6#



#38  
Carbon Tetrachloride  
Concen: 4.788 ug/l  
RT: 7.713 min Scan# 983  
Delta R.T. -0.104 min  
Lab File: VY023474.D  
Acq: 15 Oct 2025 12:51

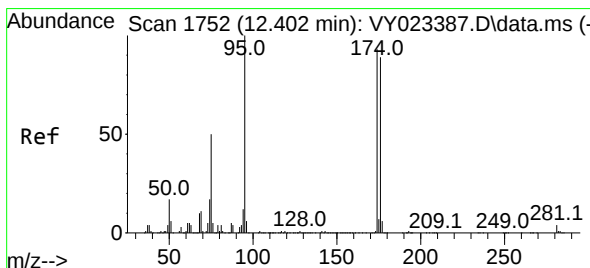
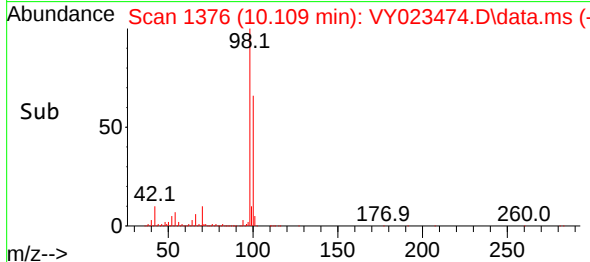
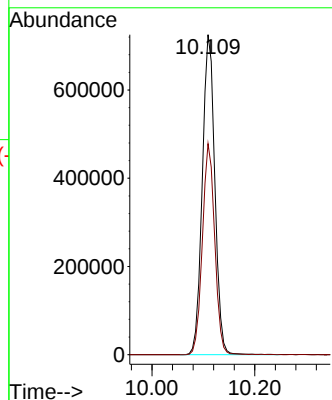
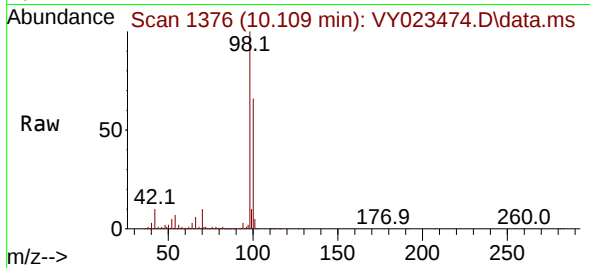
Tgt Ion: 117 Resp: 47703  
Ion Ratio Lower Upper  
117 100  
119 4.7 76.8 115.2#  
121 0.0 24.5 36.7#





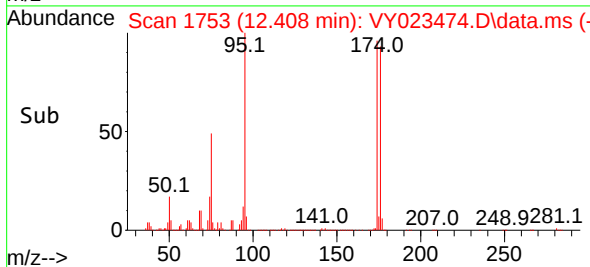
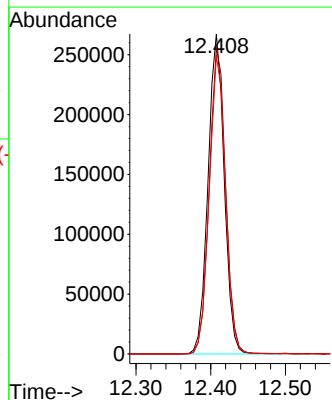
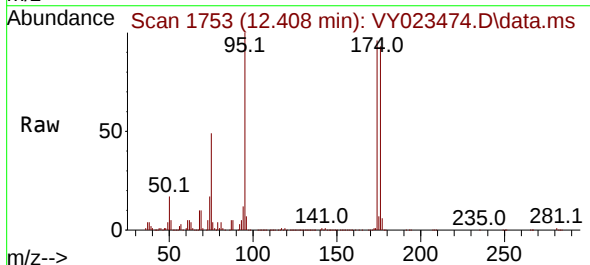
#50  
Toluene-d8  
Concen: 53.002 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. 0.006 min  
Lab File: VY023474.D  
Acq: 15 Oct 2025 12:51

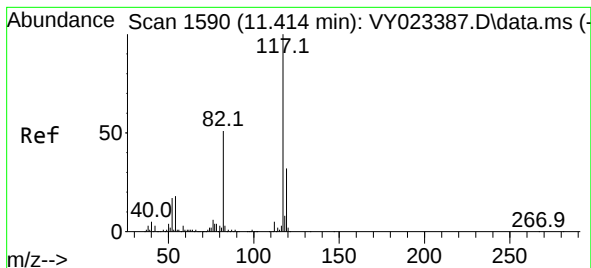
Tgt Ion: 98 Resp: 1225100  
Ion Ratio Lower Upper  
98 100  
100 64.8 53.0 79.4



#62  
4-Bromofluorobenzene  
Concen: 52.850 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.006 min  
Lab File: VY023474.D  
Acq: 15 Oct 2025 12:51

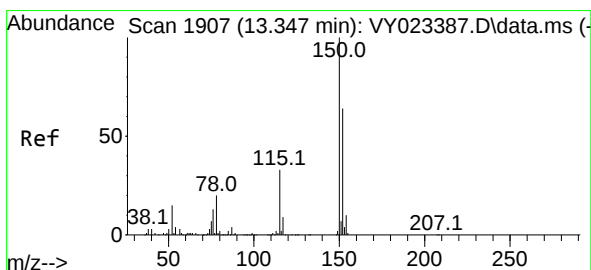
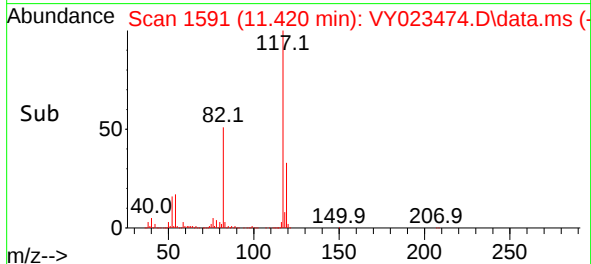
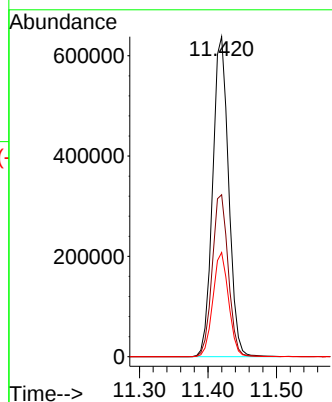
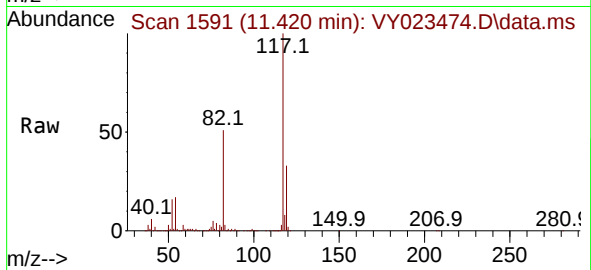
Tgt Ion: 95 Resp: 403308  
Ion Ratio Lower Upper  
95 100  
174 97.0 0.0 192.8  
176 93.5 0.0 187.6





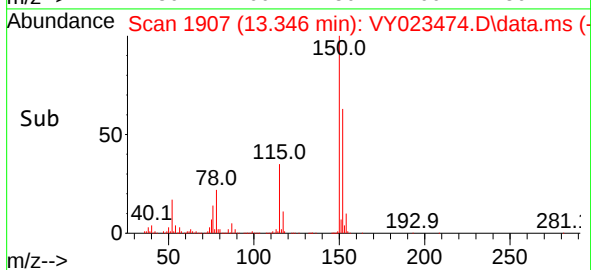
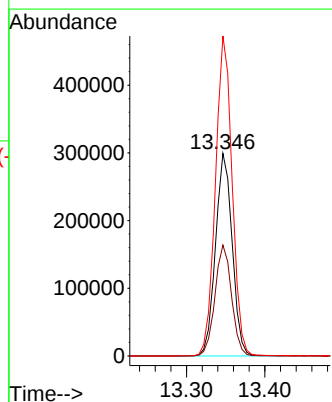
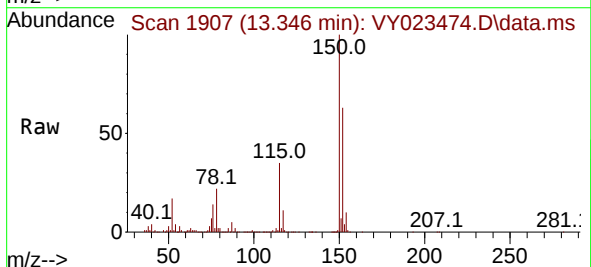
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.420 min Scan# 1591  
Delta R.T. 0.006 min  
Lab File: VY023474.D  
Acq: 15 Oct 2025 12:51

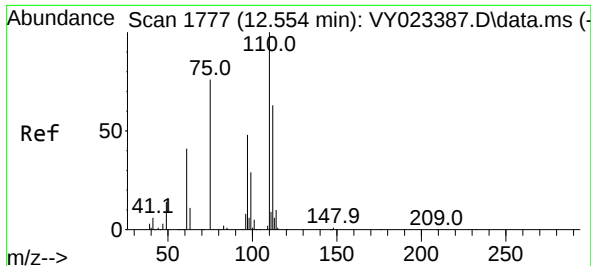
Tgt Ion:117 Resp: 1032725  
Ion Ratio Lower Upper  
117 100  
82 50.6 41.0 61.4  
119 32.5 25.6 38.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.346 min Scan# 1907  
Delta R.T. -0.000 min  
Lab File: VY023474.D  
Acq: 15 Oct 2025 12:51

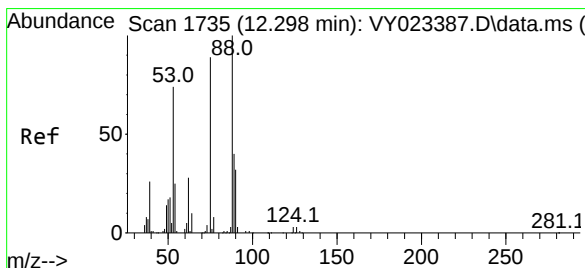
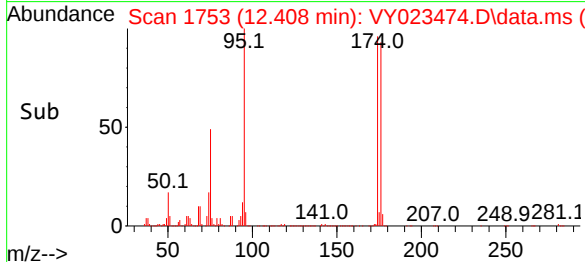
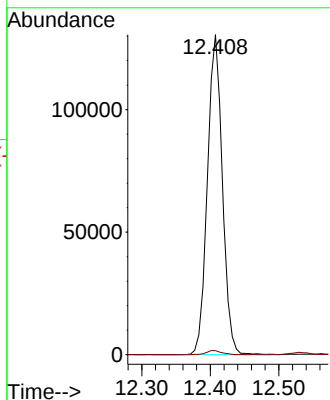
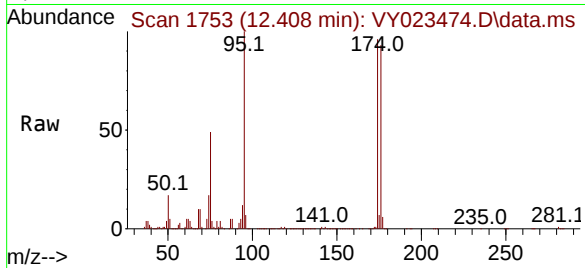
Tgt Ion:152 Resp: 443497  
Ion Ratio Lower Upper  
152 100  
115 54.6 27.1 81.2  
150 158.0 0.0 347.4





#76  
1,2,3-Trichloropropane  
Concen: 50.730 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. -0.146 min  
Lab File: VY023474.D  
Acq: 15 Oct 2025 12:51

Tgt Ion: 75 Resp: 198497  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 124.399 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.110 min  
Lab File: VY023474.D  
Acq: 15 Oct 2025 12:51

Tgt Ion: 75 Resp: 198497  
Ion Ratio Lower Upper  
75 100  
53 0.3 68.6 102.8#  
89 0.0 39.0 58.4#

