

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY011525\  
 Data File : VY020839.D  
 Acq On : 15 Jan 2025 18:00  
 Operator : SY/MD  
 Sample : VIBLK  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Jan 16 01:01:34 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010625S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 07 01:31:46 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.713  | 168  | 201113   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.622  | 114  | 345709   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.420 | 117  | 305033   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.352 | 152  | 124094   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.067  | 65    | 101369   | 59.301   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 118.600% |
| 35) Dibromofluoromethane    | 7.640  | 113   | 109536   | 50.574   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 101.140% |
| 50) Toluene-d8              | 10.109 | 98    | 401629   | 53.195   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 106.380% |
| 62) 4-Bromofluorobenzene    | 12.407 | 95    | 127229   | 45.632   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =    | 91.260%  |

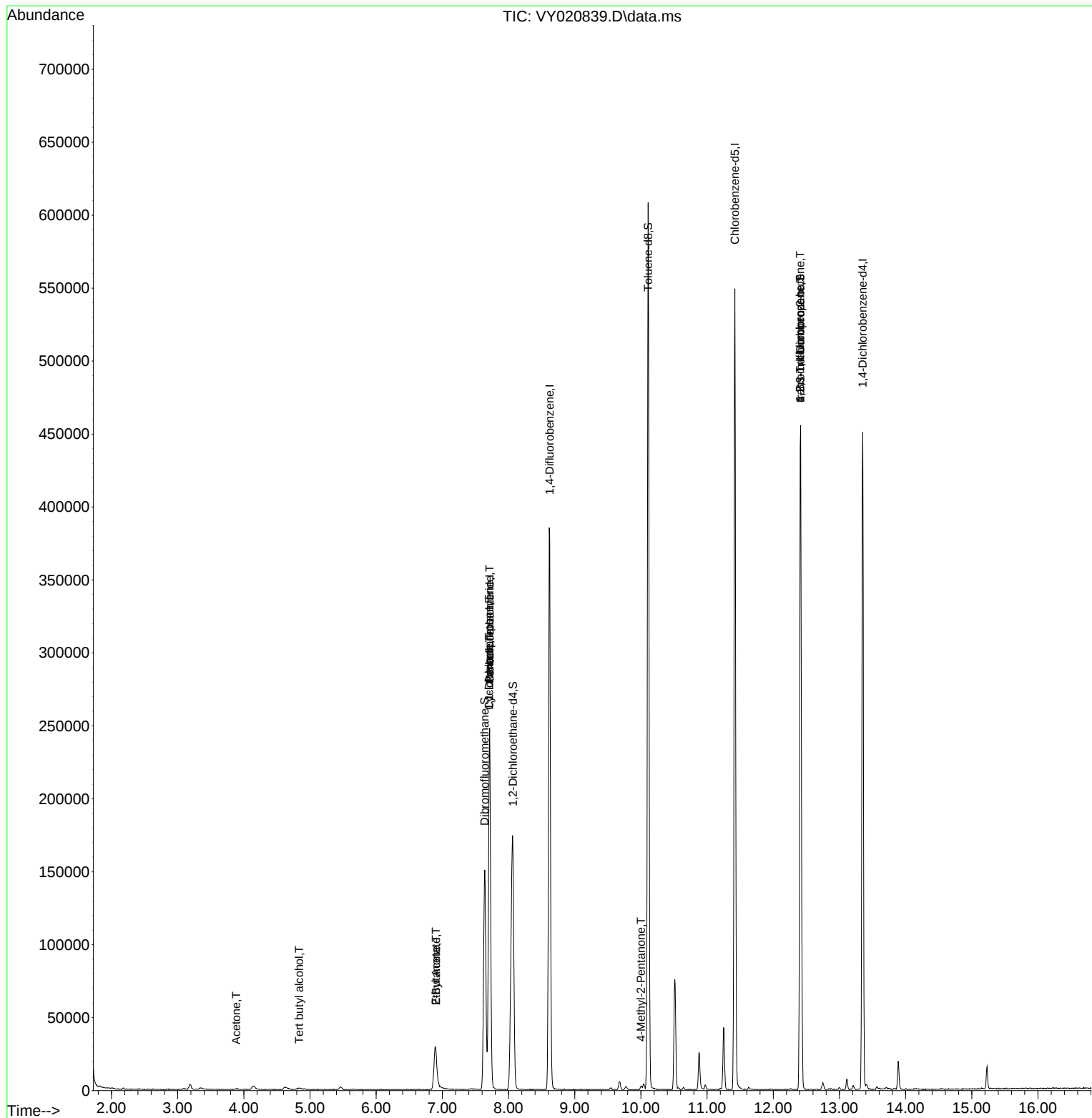
| Target Compounds              |        |     |       |         | Qvalue |     |
|-------------------------------|--------|-----|-------|---------|--------|-----|
| 11) Tert butyl alcohol        | 4.836  | 59  | 1449  | 11.218  | ug/l # | 73  |
| 16) Acetone                   | 3.885  | 43  | 980   | 4.032   | ug/l # | 54  |
| 25) 2-Butanone                | 6.902  | 43  | 1545  | 3.869   | ug/l # | 69  |
| 31) Cyclohexane               | 7.707  | 56  | 3314  | 1.332   | ug/l # | 23  |
| 36) 1,1-Dichloropropene       | 7.707  | 75  | 14017 | 5.074   | ug/l # | 48  |
| 37) Ethyl Acetate             | 6.902  | 43  | 1545  | 1.405   | ug/l # | 1   |
| 38) Carbon Tetrachloride      | 7.713  | 117 | 19000 | 4.941   | ug/l # | 16  |
| 51) 4-Methyl-2-Pentanone      | 9.999  | 43  | 1859  | 1.664   | ug/l   | 94  |
| 76) 1,2,3-Trichloropropane    | 12.407 | 75  | 63614 | 58.587  | ug/l # | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.407 | 75  | 63614 | 123.534 | ug/l # | 14  |

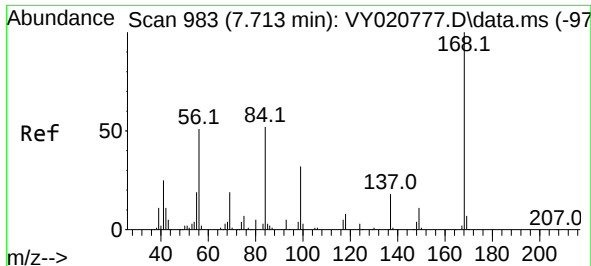
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VIBLK  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Jan 16 01:01:34 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010625S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 07 01:31:46 2025  
Response via : Initial Calibration

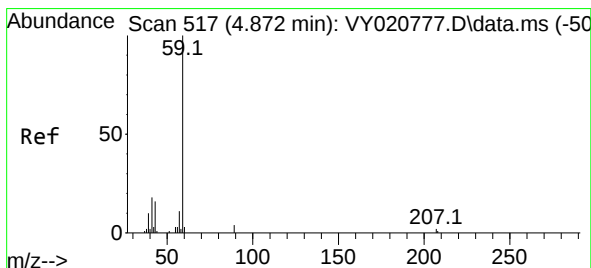
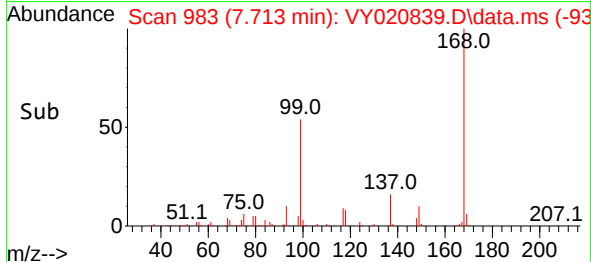
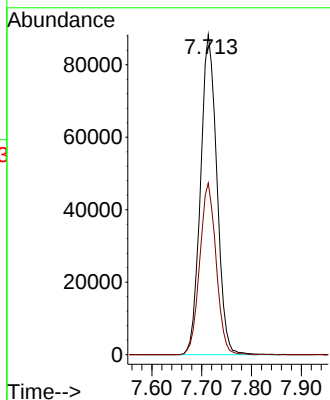
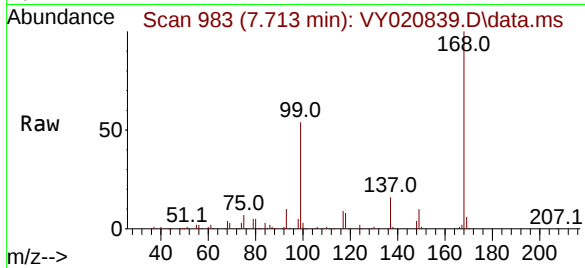




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY020839.D  
Acq: 15 Jan 2025 18:00

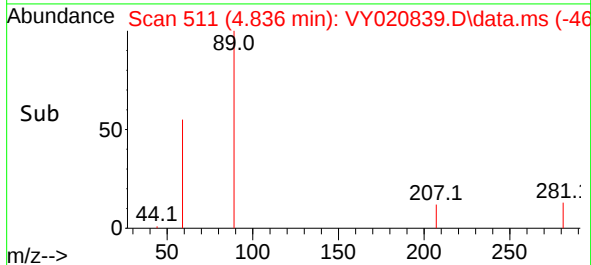
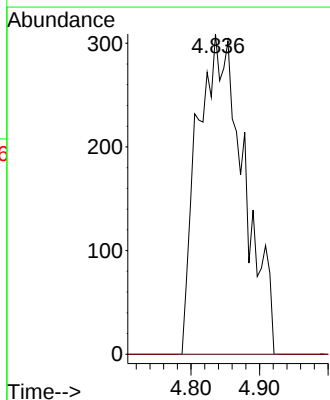
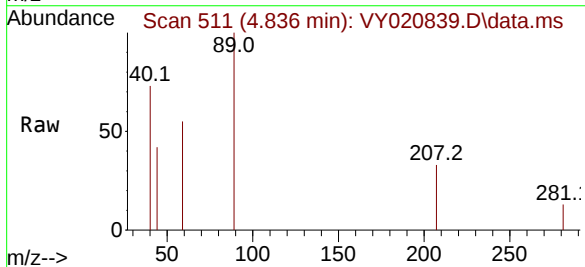
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion:168 Resp: 201113  
Ion Ratio Lower Upper  
168 100  
99 53.6 44.3 66.5



#11  
Tert butyl alcohol  
Concen: 11.218 ug/l  
RT: 4.836 min Scan# 511  
Delta R.T. -0.037 min  
Lab File: VY020839.D  
Acq: 15 Jan 2025 18:00

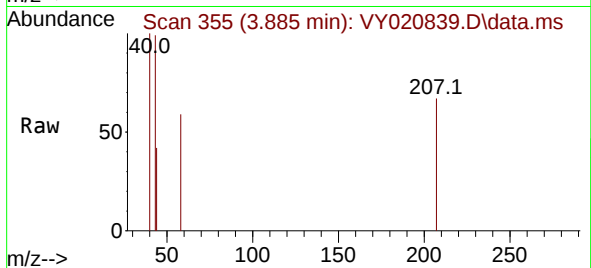
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Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#



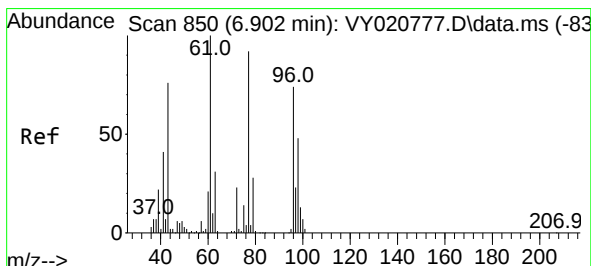
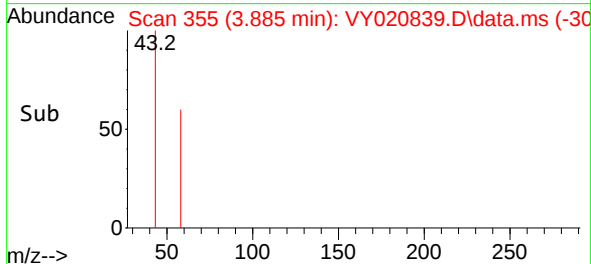
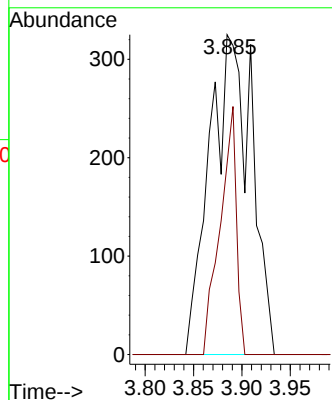


#16  
Acetone  
Concen: 4.032 ug/l  
RT: 3.885 min Scan# 316  
Delta R.T. 0.006 min  
Lab File: VY020839.D  
Acq: 15 Jan 2025 18:00

Instrument :  
MSVOA\_Y  
ClientSampleId :

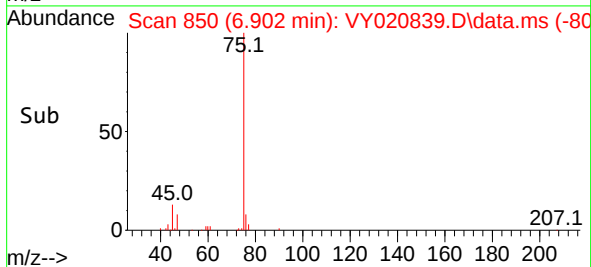
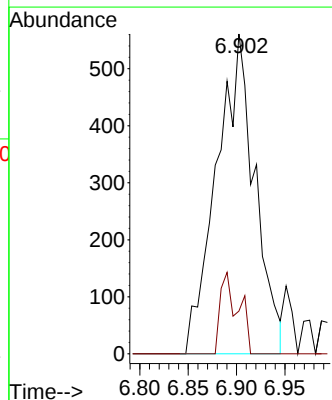
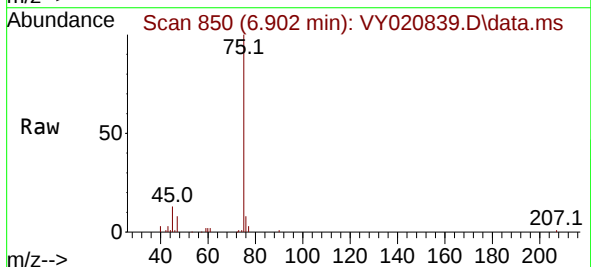


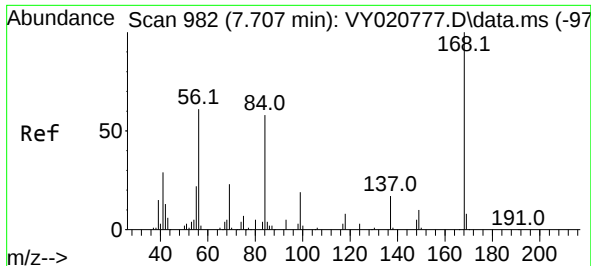
Tgt Ion: 43 Resp: 980  
Ion Ratio Lower Upper  
43 100  
58 59.7 26.7 40.1#



#25  
2-Butanone  
Concen: 3.869 ug/l  
RT: 6.902 min Scan# 850  
Delta R.T. -0.000 min  
Lab File: VY020839.D  
Acq: 15 Jan 2025 18:00

Tgt Ion: 43 Resp: 1545  
Ion Ratio Lower Upper  
43 100  
72 13.4 24.0 36.0#

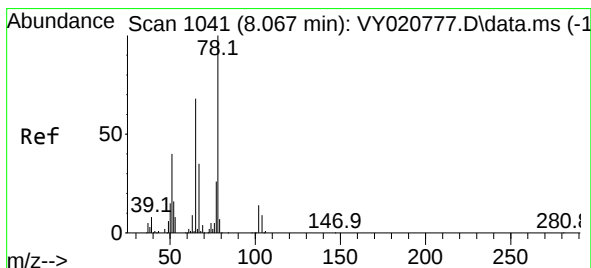
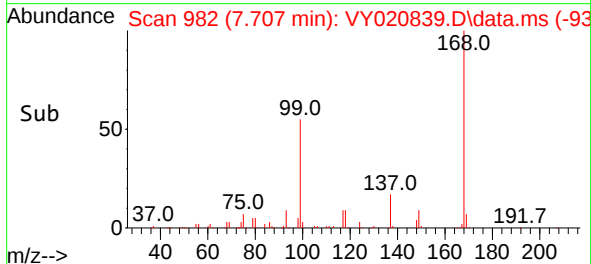
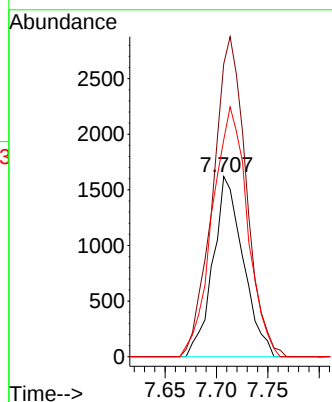
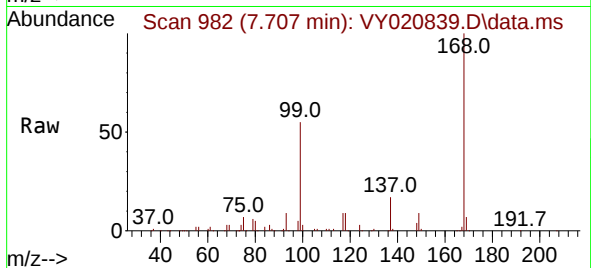




#31  
Cyclohexane  
Concen: 1.332 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY020839.D  
Acq: 15 Jan 2025 18:00

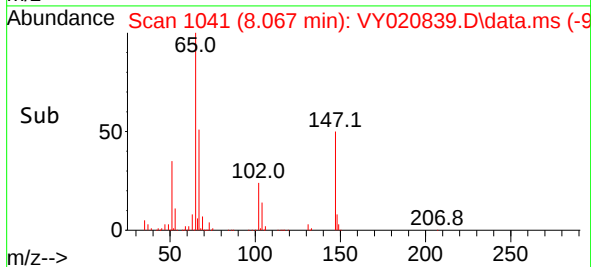
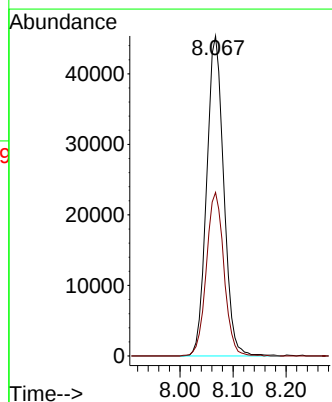
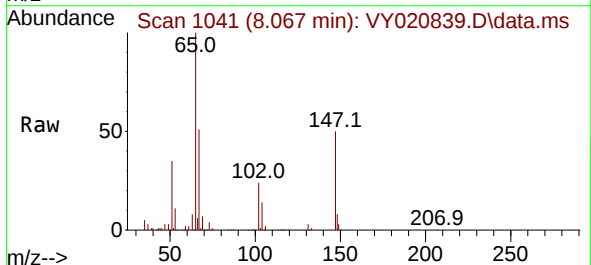
Instrument :  
MSVOA\_Y  
ClientSampleId :

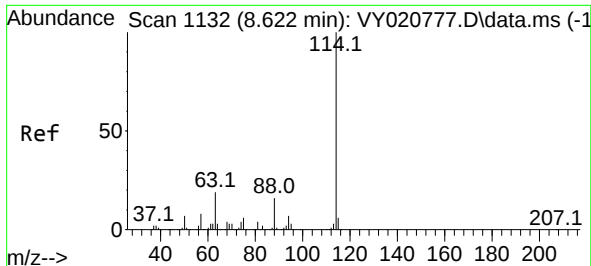
Tgt Ion: 56 Resp: 3314  
Ion Ratio Lower Upper  
56 100  
69 162.5 30.5 45.7#  
84 120.3 76.6 115.0#



#33  
1,2-Dichloroethane-d4  
Concen: 59.301 ug/l  
RT: 8.067 min Scan# 1041  
Delta R.T. -0.000 min  
Lab File: VY020839.D  
Acq: 15 Jan 2025 18:00

Tgt Ion: 65 Resp: 101369  
Ion Ratio Lower Upper  
65 100  
67 52.7 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY020839.D

Acq: 15 Jan 2025 18:00

Instrument :

MSVOA\_Y

ClientSampleId :

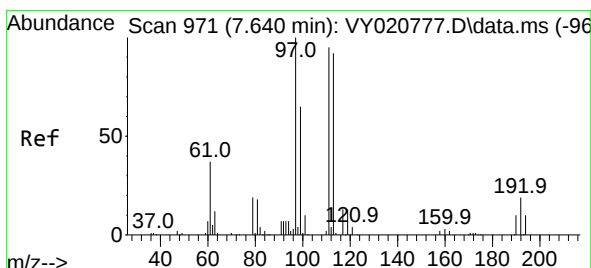
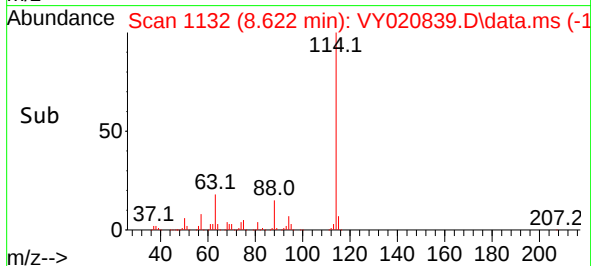
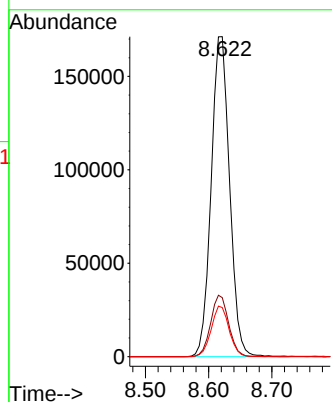
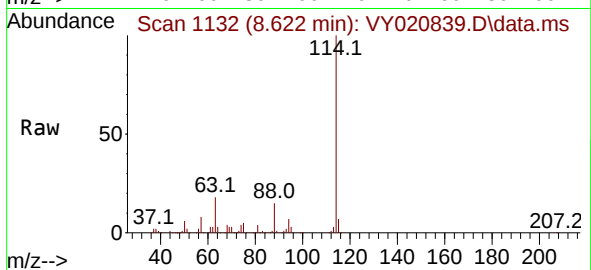
Tgt Ion:114 Resp: 345709

Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.4

88 15.4 0.0 31.2



#35

Dibromofluoromethane

Concen: 50.574 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY020839.D

Acq: 15 Jan 2025 18:00

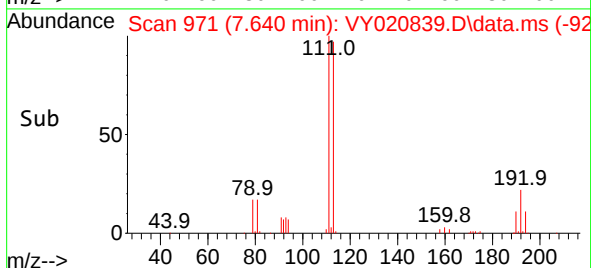
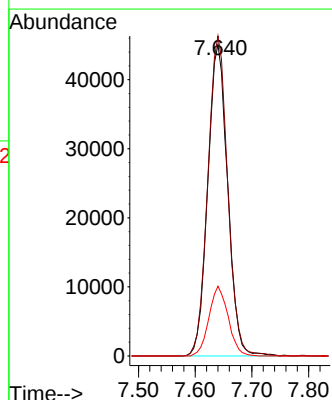
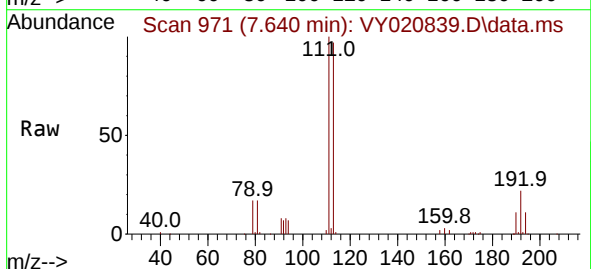
Tgt Ion:113 Resp: 109536

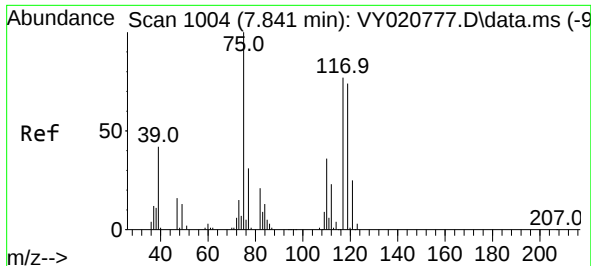
Ion Ratio Lower Upper

113 100

111 102.6 81.7 122.5

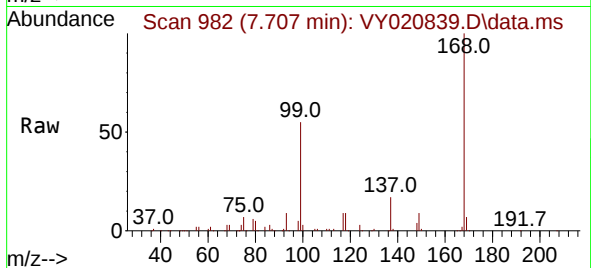
192 21.7 16.7 25.1



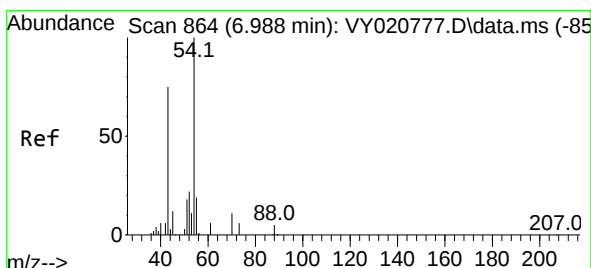
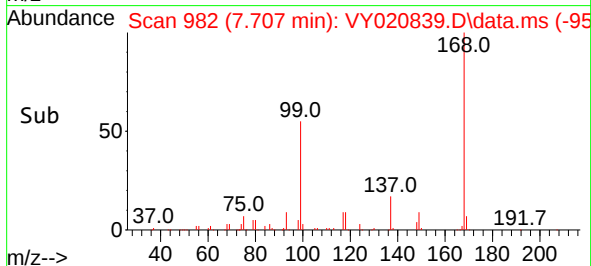
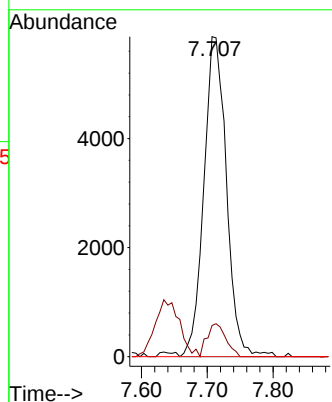


#36  
1,1-Dichloropropene  
Concen: 5.074 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.134 min  
Lab File: VY020839.D  
Acq: 15 Jan 2025 18:00

Instrument :  
MSVOA\_Y  
ClientSampleId :

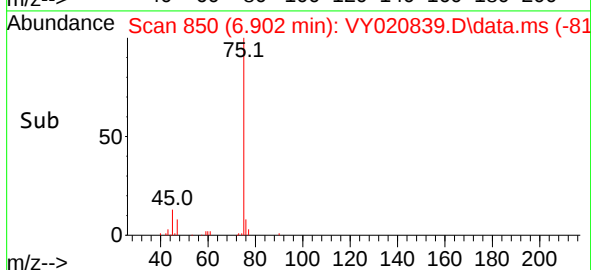
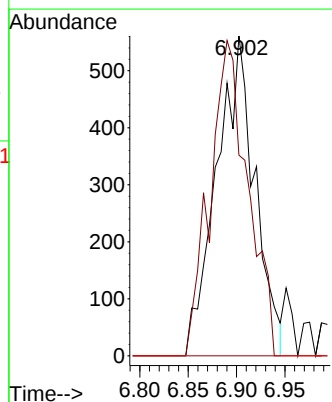
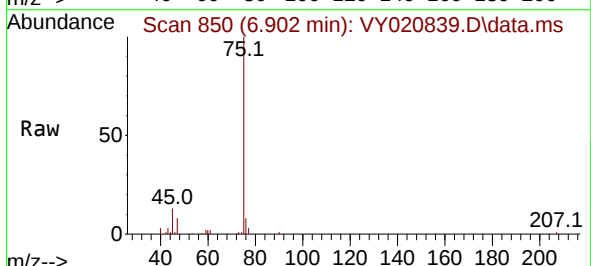


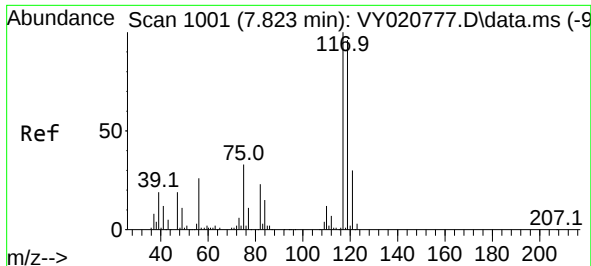
Tgt Ion: 75 Resp: 14017  
Ion Ratio Lower Upper  
75 100  
110 8.6 18.5 55.5#  
77 0.0 25.0 37.4#



#37  
Ethyl Acetate  
Concen: 1.405 ug/l  
RT: 6.902 min Scan# 850  
Delta R.T. -0.085 min  
Lab File: VY020839.D  
Acq: 15 Jan 2025 18:00

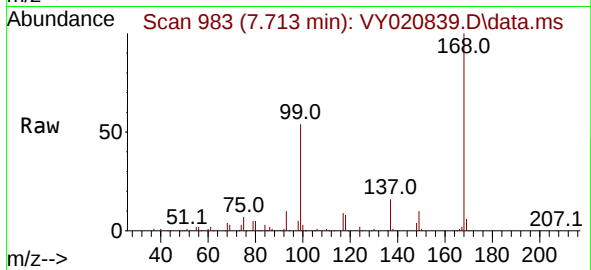
Tgt Ion: 43 Resp: 1545  
Ion Ratio Lower Upper  
43 100  
61 97.3 11.8 17.6#  
70 0.0 9.8 14.8#



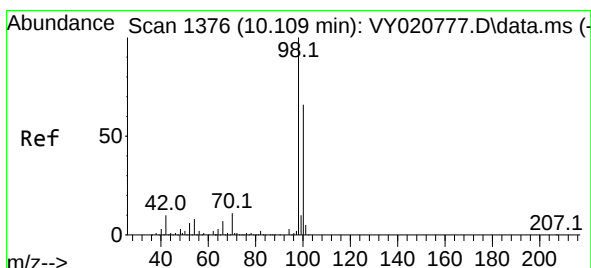
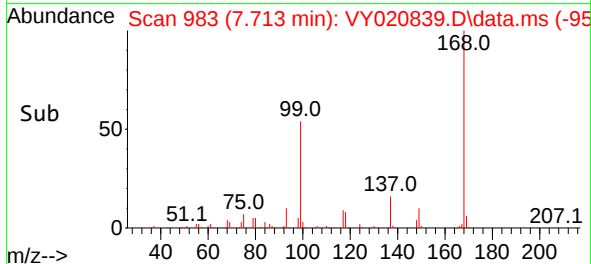
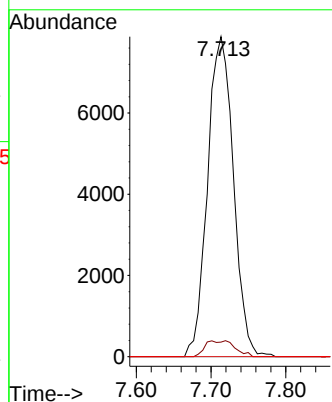


#38  
Carbon Tetrachloride  
Concen: 4.941 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY020839.D  
Acq: 15 Jan 2025 18:00

Instrument :  
MSVOA\_Y  
ClientSampleId :

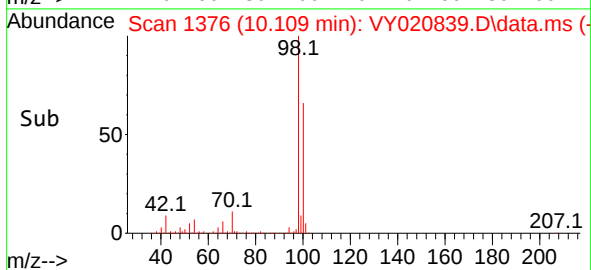
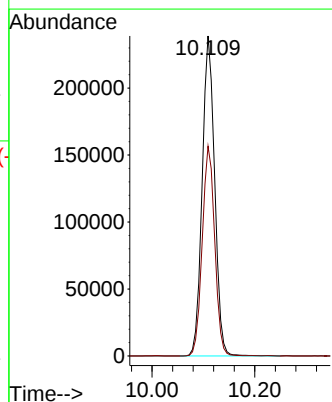
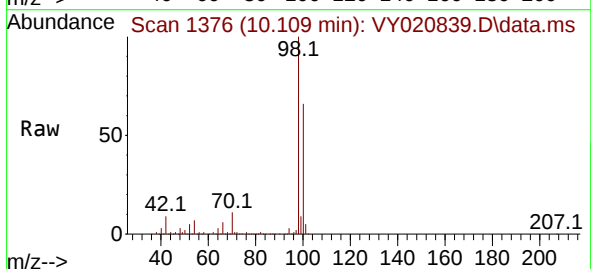


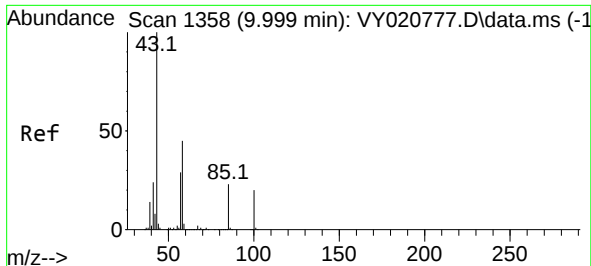
Tgt Ion:117 Resp: 19000  
Ion Ratio Lower Upper  
117 100  
119 4.6 76.5 114.7#  
121 0.0 24.3 36.5#



#50  
Toluene-d8  
Concen: 53.195 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. -0.000 min  
Lab File: VY020839.D  
Acq: 15 Jan 2025 18:00

Tgt Ion: 98 Resp: 401629  
Ion Ratio Lower Upper  
98 100  
100 65.7 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 1.664 ug/l

RT: 9.999 min Scan# 1358

Delta R.T. -0.000 min

Lab File: VY020839.D

Acq: 15 Jan 2025 18:00

Instrument :

MSVOA\_Y

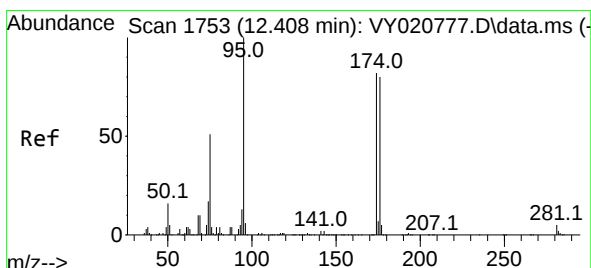
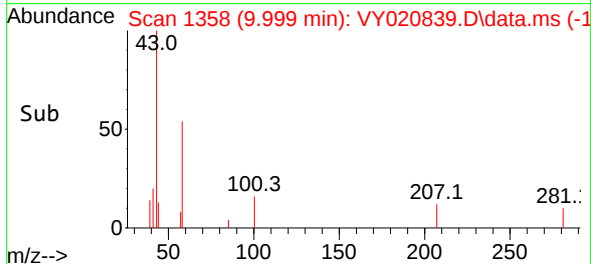
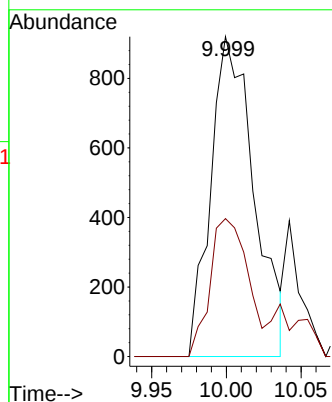
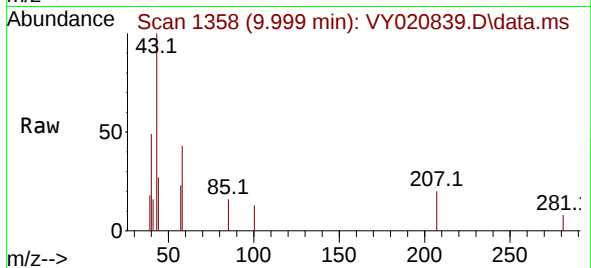
ClientSampleId :

Tgt Ion: 43 Resp: 1859

Ion Ratio Lower Upper

43 100

58 39.5 34.8 52.2



#62

4-Bromofluorobenzene

Concen: 45.632 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.000 min

Lab File: VY020839.D

Acq: 15 Jan 2025 18:00

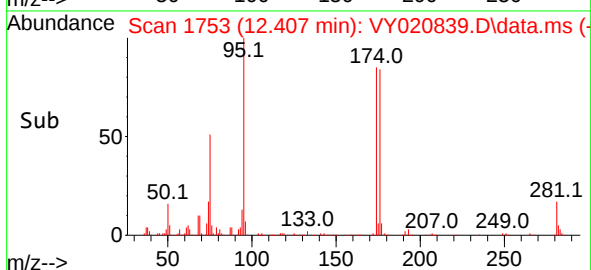
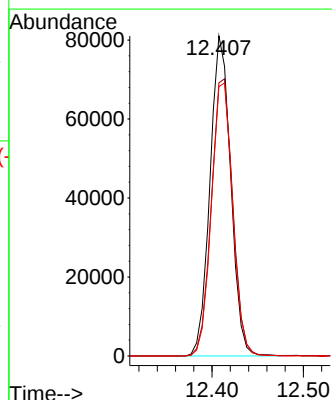
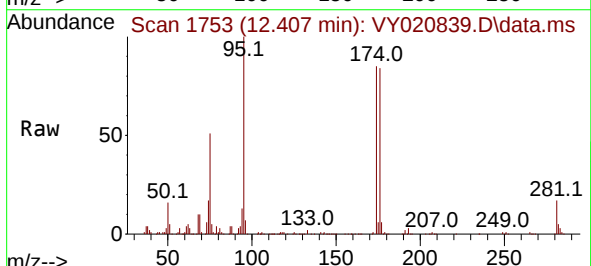
Tgt Ion: 95 Resp: 127229

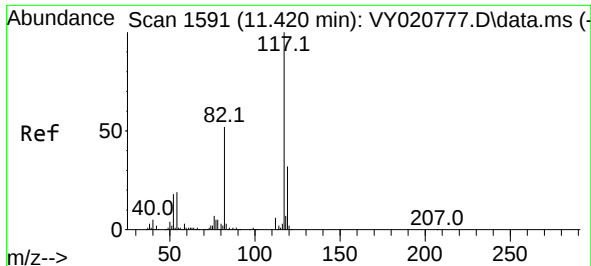
Ion Ratio Lower Upper

95 100

174 89.8 0.0 178.0

176 87.5 0.0 172.0

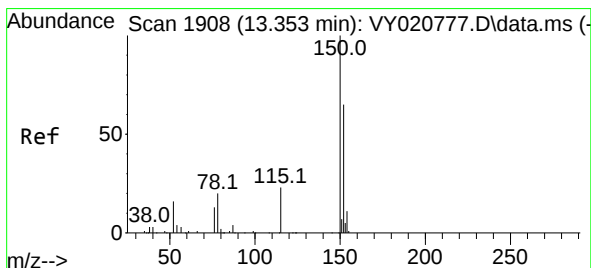
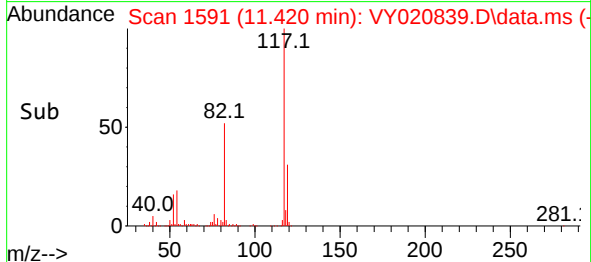
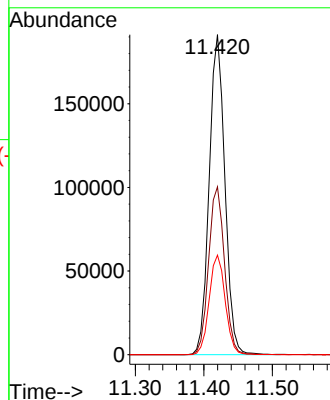
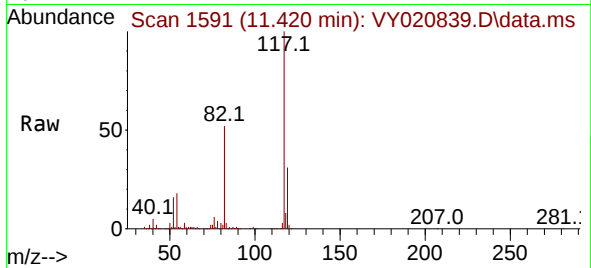




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.420 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY020839.D  
Acq: 15 Jan 2025 18:00

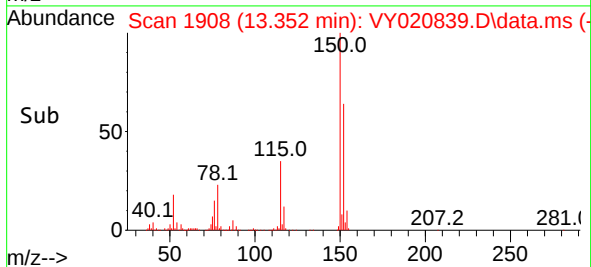
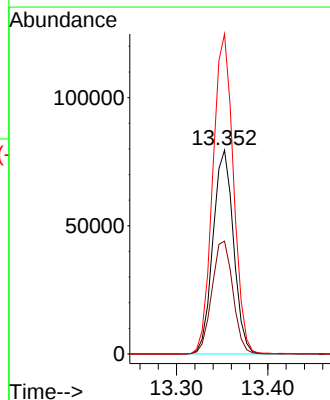
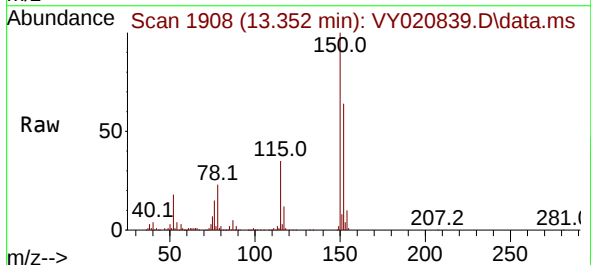
Instrument :  
MSVOA\_Y  
ClientSampleId :

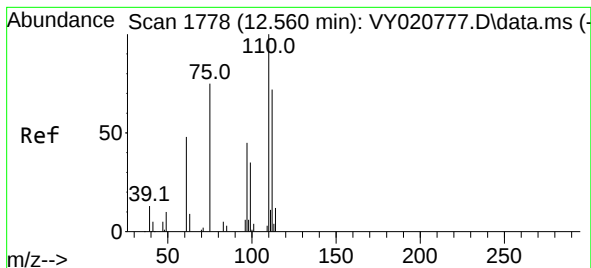
Tgt Ion:117 Resp: 305033  
Ion Ratio Lower Upper  
117 100  
82 52.5 41.8 62.6  
119 31.1 25.8 38.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.352 min Scan# 1908  
Delta R.T. -0.000 min  
Lab File: VY020839.D  
Acq: 15 Jan 2025 18:00

Tgt Ion:152 Resp: 124094  
Ion Ratio Lower Upper  
152 100  
115 56.7 29.0 87.0  
150 157.9 0.0 347.4





#76

1,2,3-Trichloropropane

Concen: 58.587 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.153 min

Lab File: VY020839.D

Acq: 15 Jan 2025 18:00

Instrument :

MSVOA\_Y

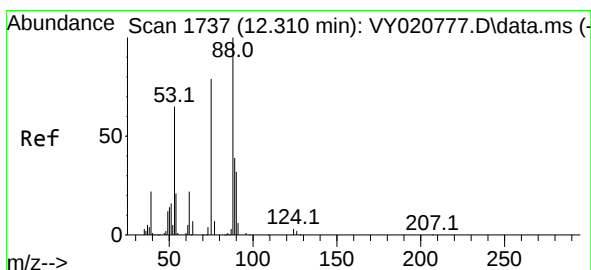
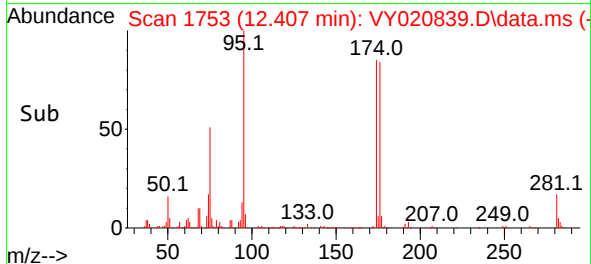
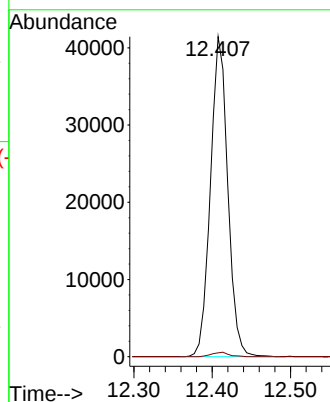
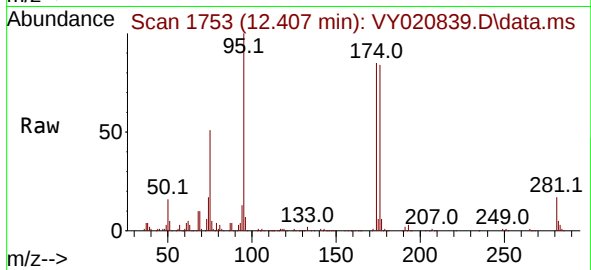
ClientSampleId :

Tgt Ion: 75 Resp: 63614

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 123.534 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. 0.097 min

Lab File: VY020839.D

Acq: 15 Jan 2025 18:00

Tgt Ion: 75 Resp: 63614

Ion Ratio Lower Upper

75 100

53 0.0 69.4 104.0#

89 0.6 39.6 59.4#

