

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY112024\  
 Data File : VY020357.D  
 Acq On : 20 Nov 2024 14:17  
 Operator : SY/MD  
 Sample : P4916-11  
 Misc : 4.21g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Nov 21 00:47:44 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111924S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 20 04:38:24 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.707  | 168  | 153605   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 298657   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 281091   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.347 | 152  | 110395   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 98639    | 55.894   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 111.780% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 94704    | 49.452   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 98.900%  |
| 50) Toluene-d8              | 10.103 | 98    | 366156   | 48.537   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 97.080%  |
| 62) 4-Bromofluorobenzene    | 12.402 | 95    | 126187   | 52.033   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =    | 104.060% |

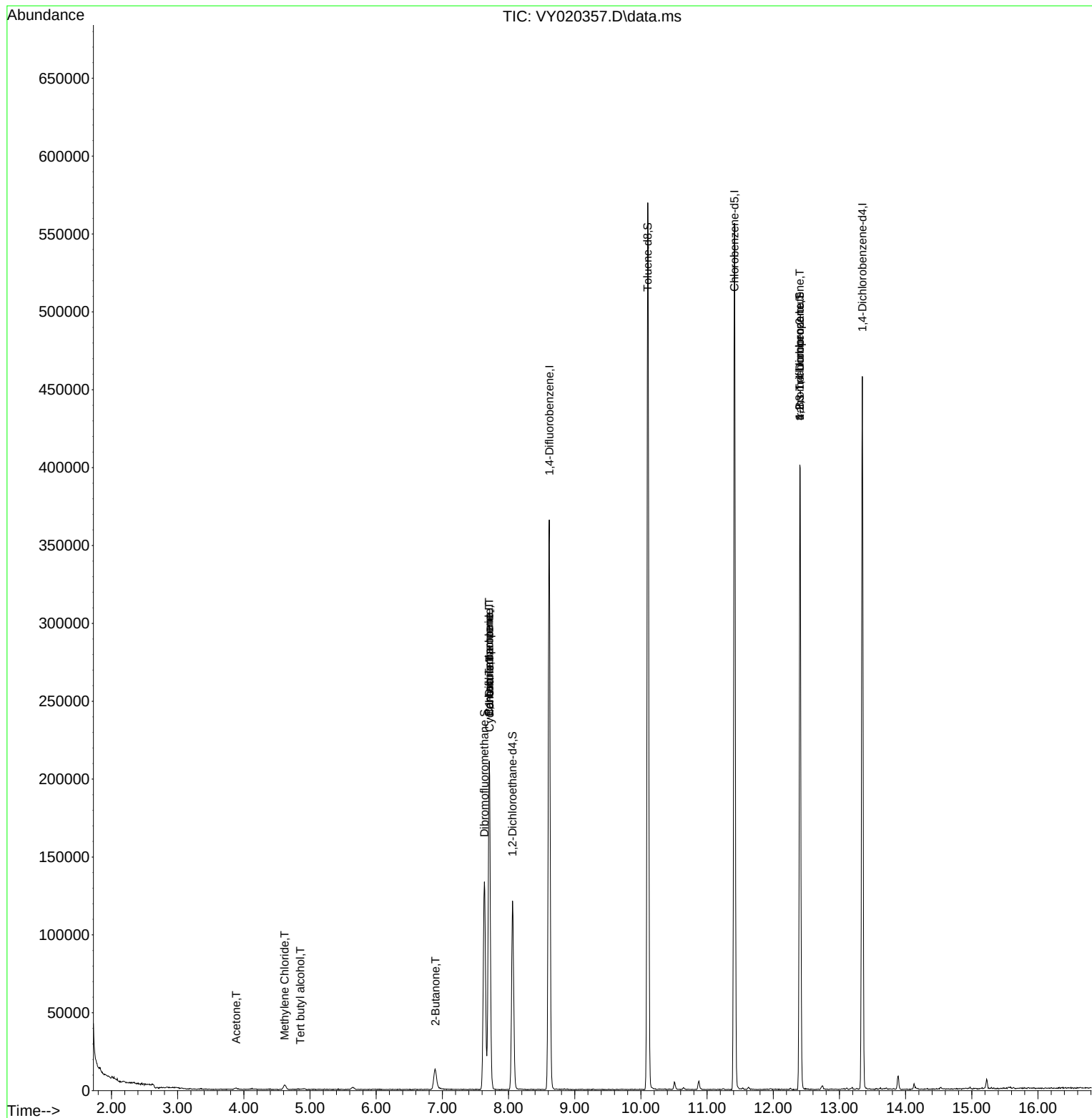
| Target Compounds              |        |     |       |           | Qvalue |     |
|-------------------------------|--------|-----|-------|-----------|--------|-----|
| 3) Chloromethane              | 2.062  | 50  | 85    | Below Cal | #      | 41  |
| 11) Tert butyl alcohol        | 4.854  | 59  | 481   | 2.810     | ug/l # | 73  |
| 16) Acetone                   | 3.885  | 43  | 1976  | 4.671     | ug/l # | 80  |
| 20) Methylene Chloride        | 4.616  | 84  | 2008  | 1.121     | ug/l # | 81  |
| 25) 2-Butanone                | 6.896  | 43  | 1089  | 1.999     | ug/l # | 86  |
| 31) Cyclohexane               | 7.713  | 56  | 3676  | 1.117     | ug/l # | 23  |
| 36) 1,1-Dichloropropene       | 7.707  | 75  | 13026 | 4.453     | ug/l # | 52  |
| 38) Carbon Tetrachloride      | 7.707  | 117 | 16433 | 5.381     | ug/l # | 15  |
| 76) 1,2,3-Trichloropropane    | 12.402 | 75  | 69748 | 67.033    | ug/l # | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.402 | 75  | 69748 | 131.348   | ug/l # | 9   |

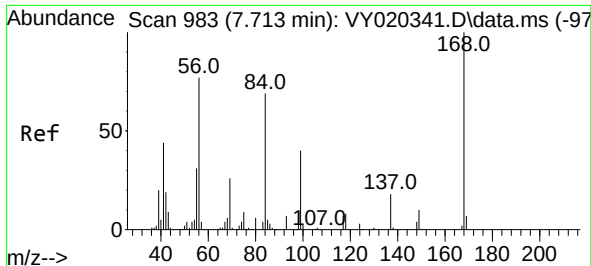
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY112024\  
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Sample : P4916-11  
Misc : 4.21g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Nov 21 00:47:44 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111924S.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 20 04:38:24 2024  
Response via : Initial Calibration

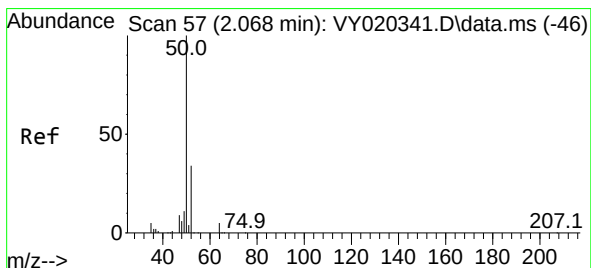
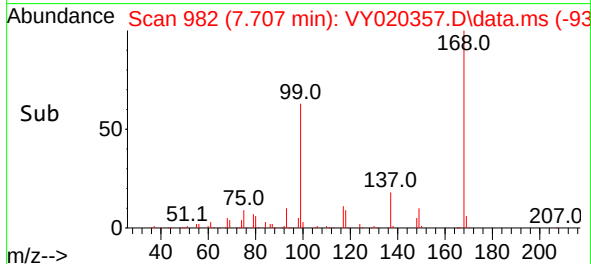
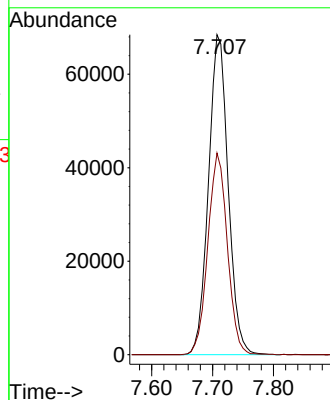
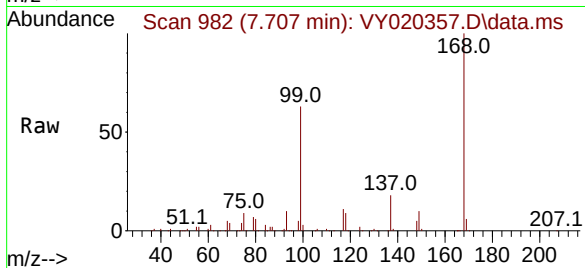




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY020357.D  
Acq: 20 Nov 2024 14:17

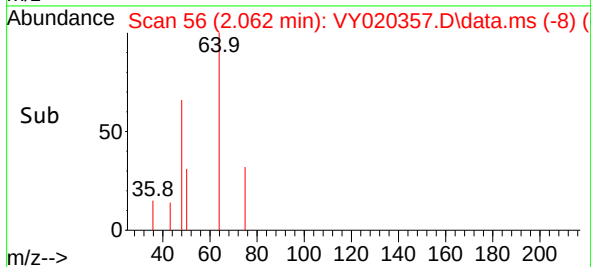
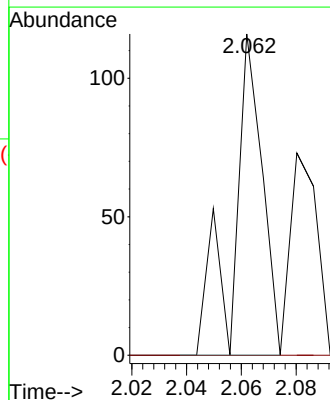
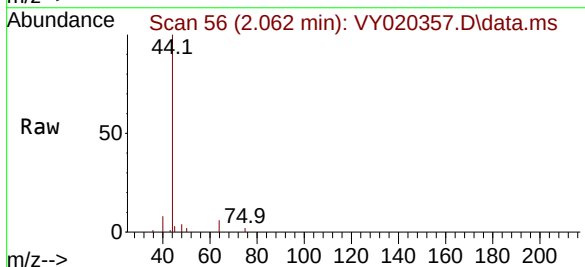
Instrument :  
MSVOA\_Y  
ClientSampleId :

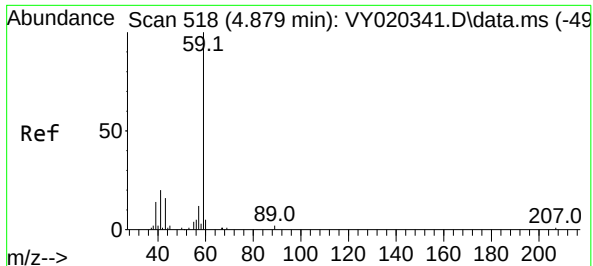
Tgt Ion:168 Resp: 153605  
Ion Ratio Lower Upper  
168 100  
99 63.0 46.6 69.8



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.062 min Scan# 56  
Delta R.T. -0.006 min  
Lab File: VY020357.D  
Acq: 20 Nov 2024 14:17

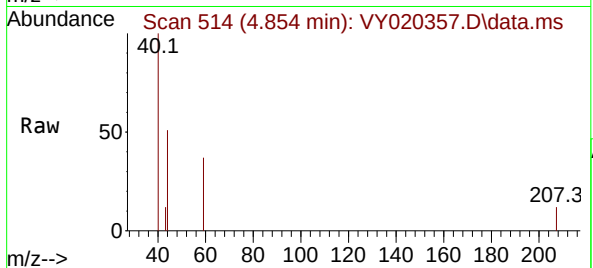
Tgt Ion: 50 Resp: 85  
Ion Ratio Lower Upper  
50 100  
52 0.0 26.9 40.3#



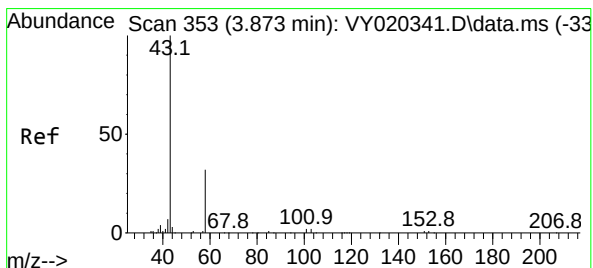
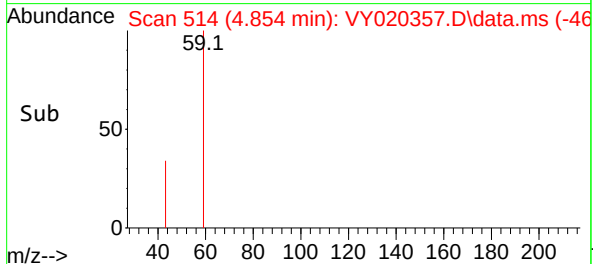
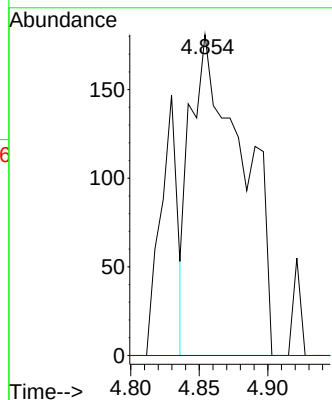


#11  
Tert butyl alcohol  
Concen: 2.810 ug/l  
RT: 4.854 min Scan# 518  
Delta R.T. -0.024 min  
Lab File: VY020357.D  
Acq: 20 Nov 2024 14:17

Instrument :  
MSVOA\_Y  
ClientSampleId :

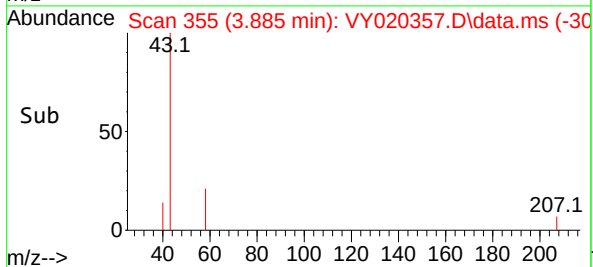
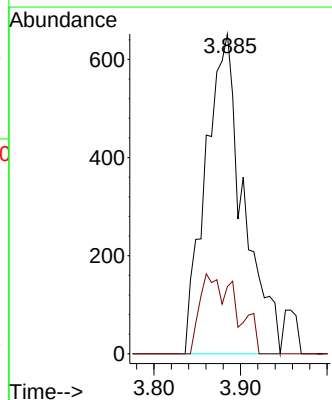
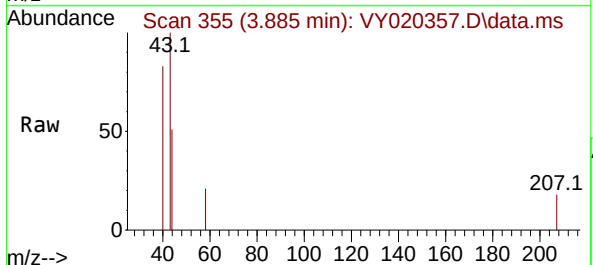


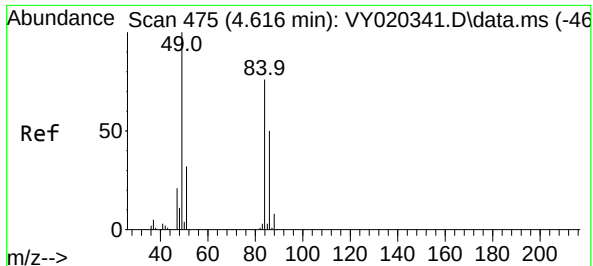
Tgt Ion: 59 Resp: 481  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.2#



#16  
Acetone  
Concen: 4.671 ug/l  
RT: 3.885 min Scan# 355  
Delta R.T. 0.012 min  
Lab File: VY020357.D  
Acq: 20 Nov 2024 14:17

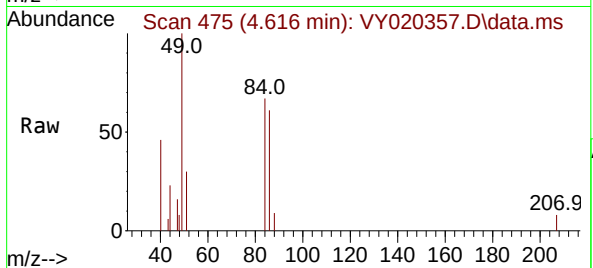
Tgt Ion: 43 Resp: 1976  
Ion Ratio Lower Upper  
43 100  
58 21.0 25.7 38.5#





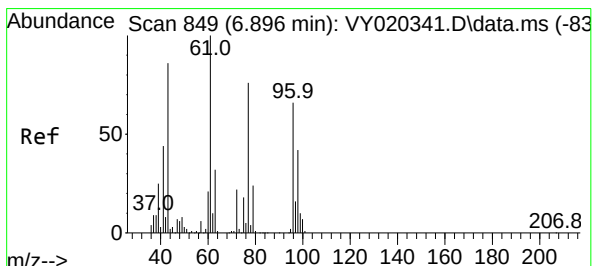
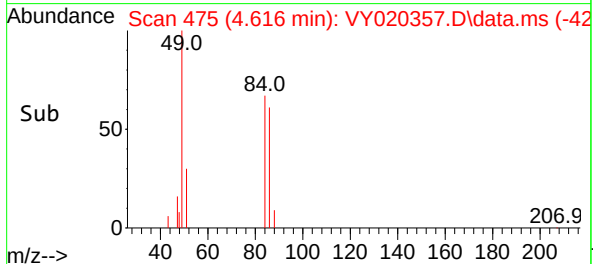
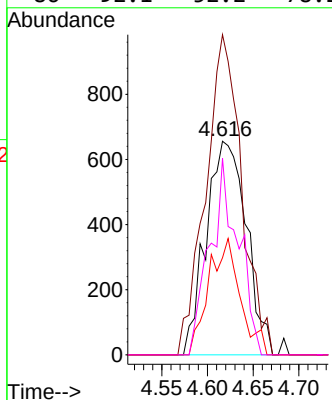
#20  
Methylene Chloride  
Concen: 1.121 ug/l  
RT: 4.616 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VY020357.D  
Acq: 20 Nov 2024 14:17

Instrument :  
MSVOA\_Y  
ClientSampleId :



Tgt Ion: 84 Resp: 2008

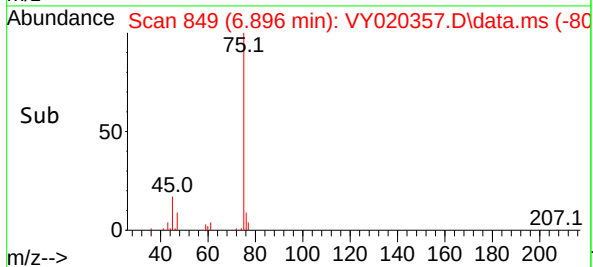
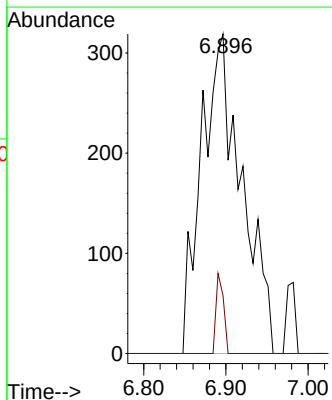
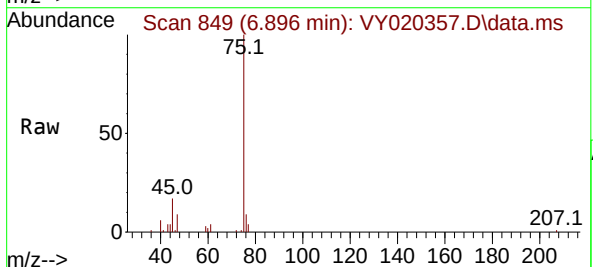
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 149.8 | 104.7 | 157.1 |
| 51  | 45.4  | 33.4  | 50.0  |
| 86  | 92.1  | 52.2  | 78.2  |

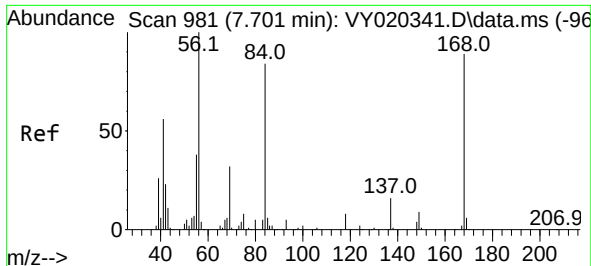


#25  
2-Butanone  
Concen: 1.999 ug/l  
RT: 6.896 min Scan# 849  
Delta R.T. -0.000 min  
Lab File: VY020357.D  
Acq: 20 Nov 2024 14:17

Tgt Ion: 43 Resp: 1089

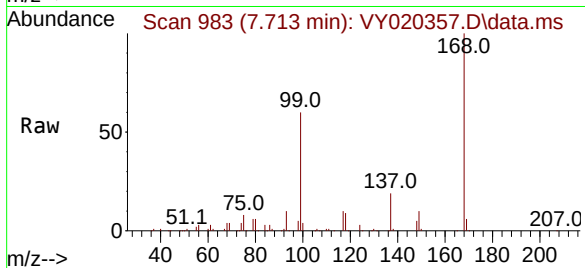
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 18.2  | 20.4  | 30.6  |



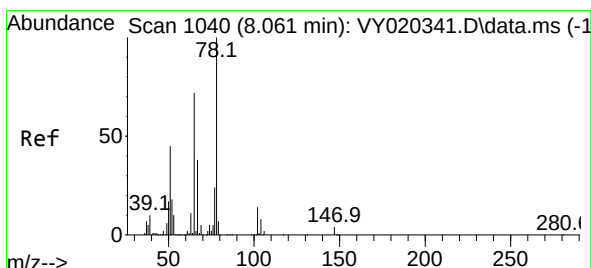
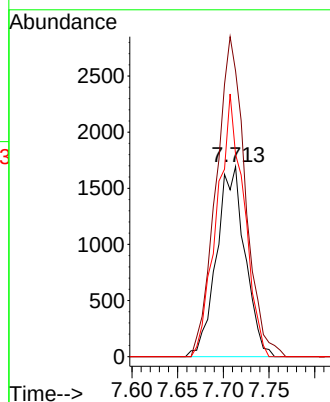
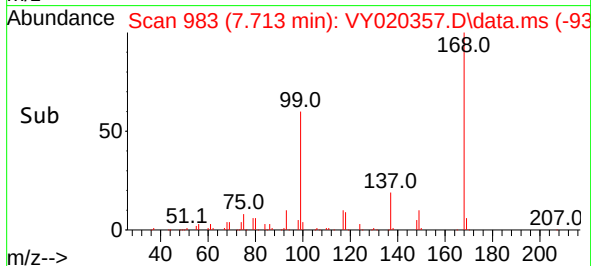


#31  
Cyclohexane  
Concen: 1.117 ug/l  
RT: 7.713 min Scan# 981  
Delta R.T. 0.012 min  
Lab File: VY020357.D  
Acq: 20 Nov 2024 14:17

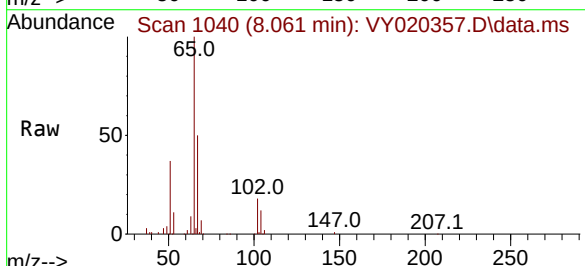
Instrument :  
MSVOA\_Y  
ClientSampleId :



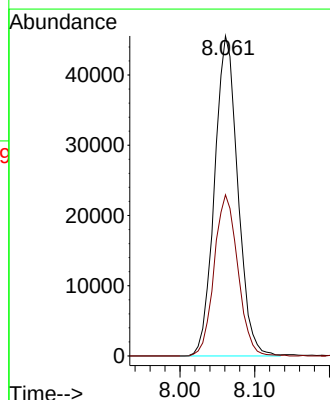
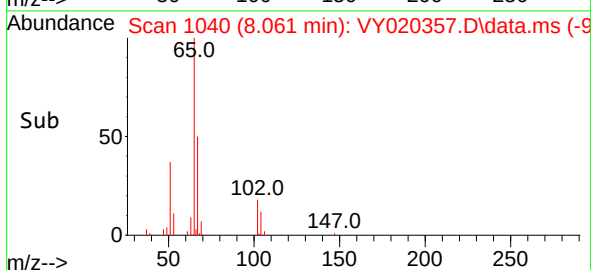
Tgt Ion: 56 Resp: 3676  
Ion Ratio Lower Upper  
56 100  
69 150.3 25.3 37.9#  
84 106.3 66.9 100.3#

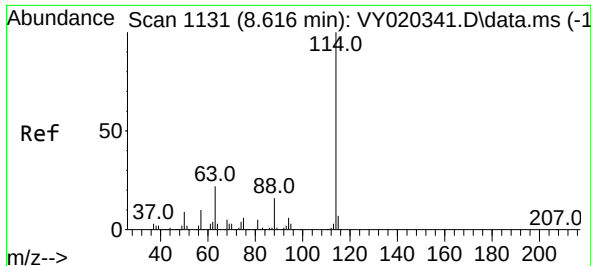


#33  
1,2-Dichloroethane-d4  
Concen: 55.894 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. -0.000 min  
Lab File: VY020357.D  
Acq: 20 Nov 2024 14:17



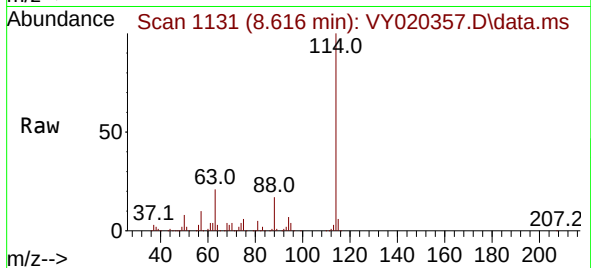
Tgt Ion: 65 Resp: 98639  
Ion Ratio Lower Upper  
65 100  
67 51.2 0.0 105.8



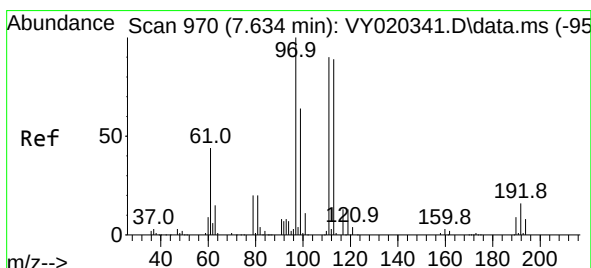
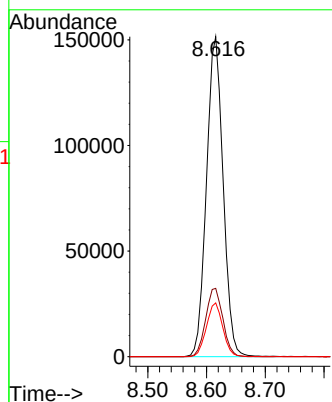
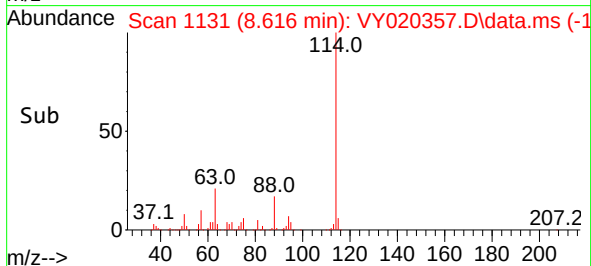


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 1131  
Delta R.T. -0.000 min  
Lab File: VY020357.D  
Acq: 20 Nov 2024 14:17

Instrument :  
MSVOA\_Y  
ClientSampleId :

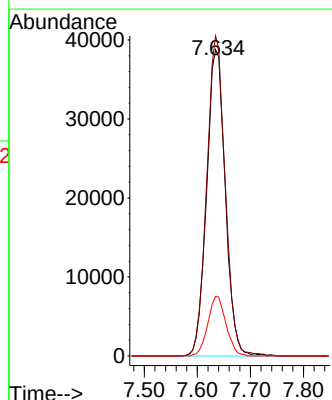
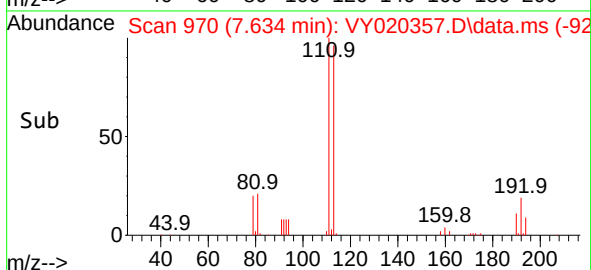
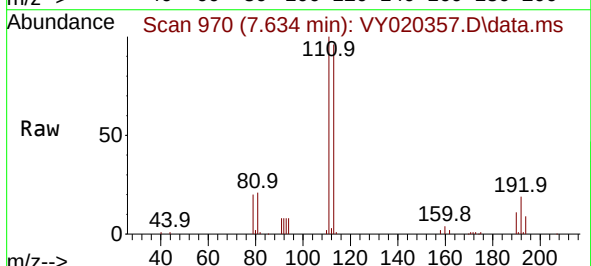


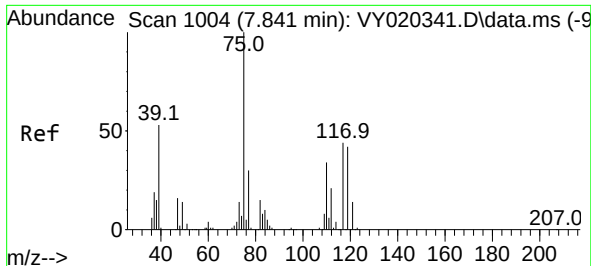
Tgt Ion:114 Resp: 298657  
Ion Ratio Lower Upper  
114 100  
63 21.4 0.0 44.8  
88 16.8 0.0 32.0



#35  
Dibromofluoromethane  
Concen: 49.452 ug/l  
RT: 7.634 min Scan# 970  
Delta R.T. -0.000 min  
Lab File: VY020357.D  
Acq: 20 Nov 2024 14:17

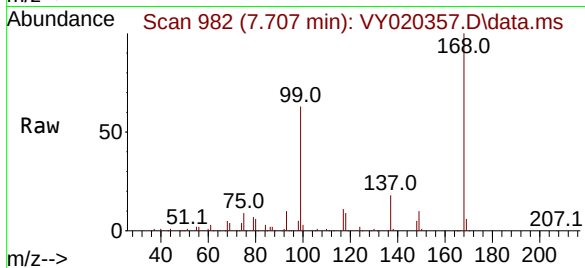
Tgt Ion:113 Resp: 94704  
Ion Ratio Lower Upper  
113 100  
111 103.4 81.4 122.0  
192 18.9 15.1 22.7



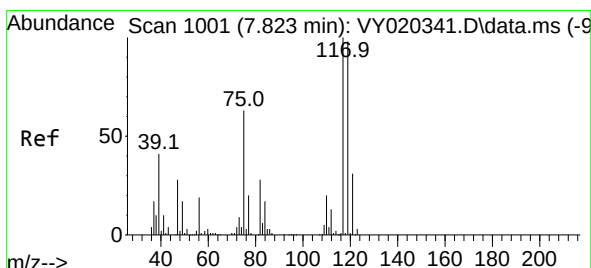
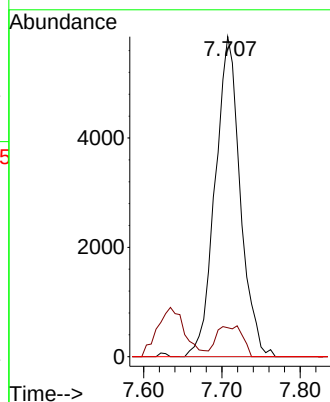
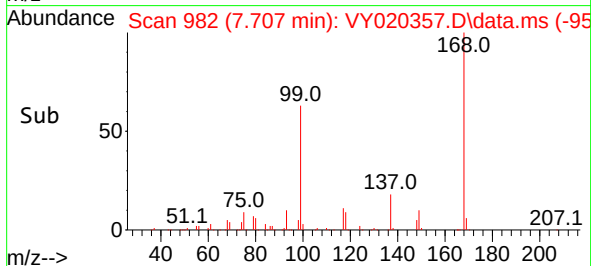


#36  
1,1-Dichloropropene  
Concen: 4.453 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. -0.134 min  
Lab File: VY020357.D  
Acq: 20 Nov 2024 14:17

Instrument :  
MSVOA\_Y  
ClientSampleId :

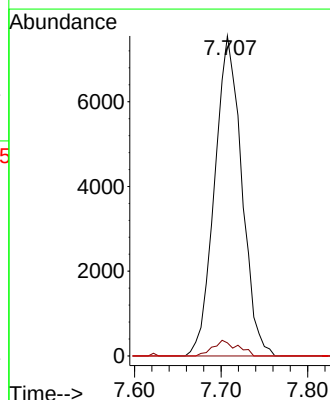
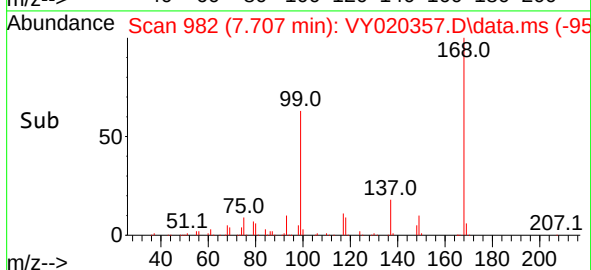
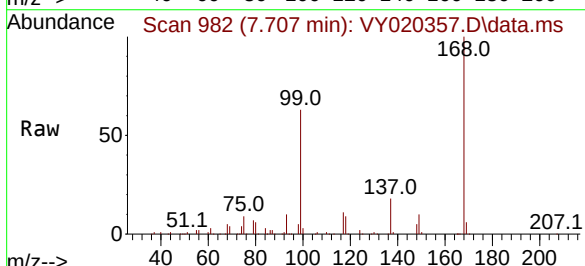


Tgt Ion: 75 Resp: 13026  
Ion Ratio Lower Upper  
75 100  
110 9.8 16.7 50.0#  
77 0.0 24.6 36.8#

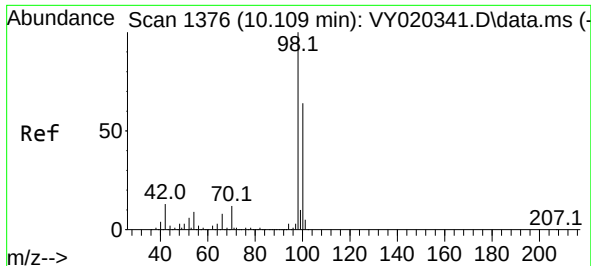


#38  
Carbon Tetrachloride  
Concen: 5.381 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. -0.116 min  
Lab File: VY020357.D  
Acq: 20 Nov 2024 14:17

Tgt Ion: 117 Resp: 16433  
Ion Ratio Lower Upper  
117 100  
119 4.1 77.8 116.6#  
121 0.0 24.6 37.0#



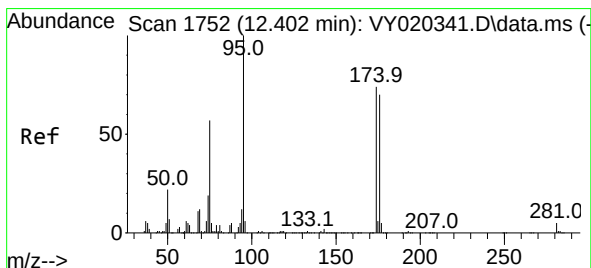
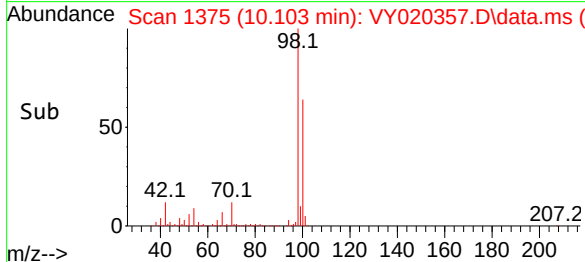
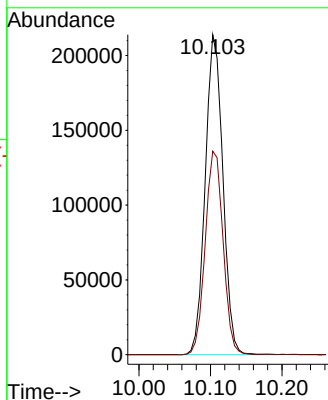
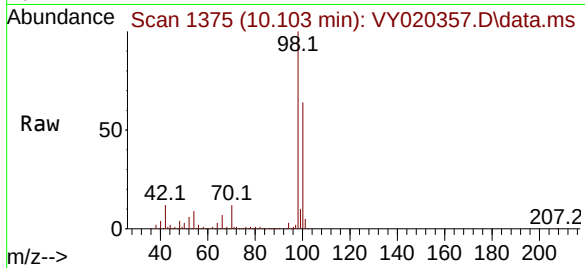




#50  
Toluene-d8  
Concen: 48.537 ug/l  
RT: 10.103 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: VY020357.D  
Acq: 20 Nov 2024 14:17

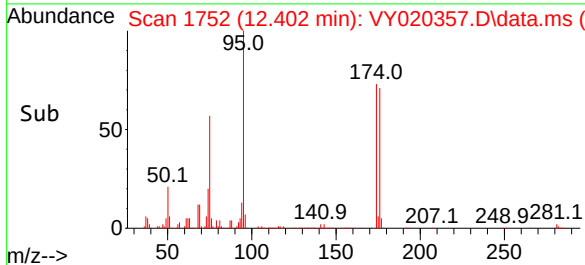
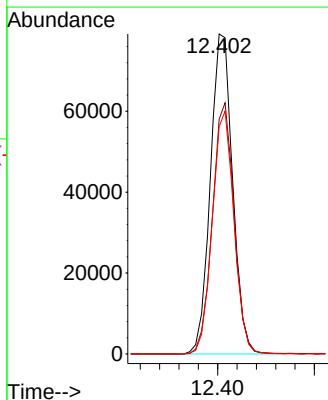
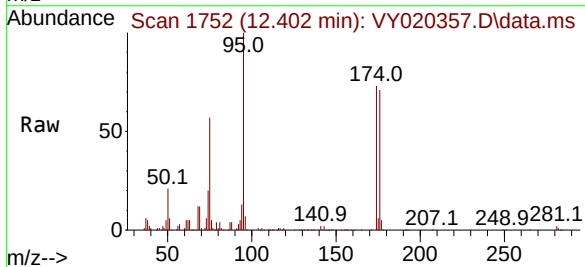
Instrument :  
MSVOA\_Y  
ClientSampleId :

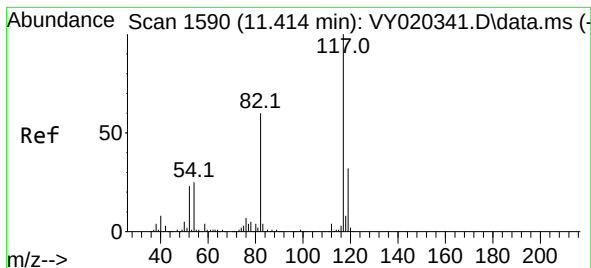
Tgt Ion: 98 Resp: 366156  
Ion Ratio Lower Upper  
98 100  
100 64.6 51.3 76.9



#62  
4-Bromofluorobenzene  
Concen: 52.033 ug/l  
RT: 12.402 min Scan# 1752  
Delta R.T. -0.000 min  
Lab File: VY020357.D  
Acq: 20 Nov 2024 14:17

Tgt Ion: 95 Resp: 126187  
Ion Ratio Lower Upper  
95 100  
174 76.7 0.0 156.8  
176 73.7 0.0 152.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY020357.D

Acq: 20 Nov 2024 14:17

Instrument :

MSVOA\_Y

ClientSampleId :

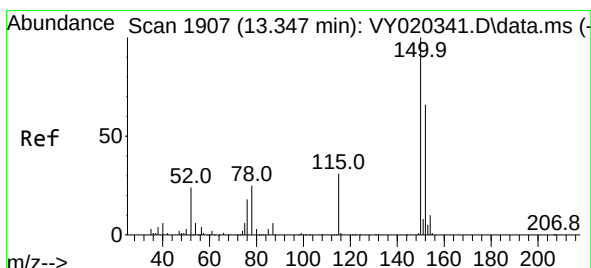
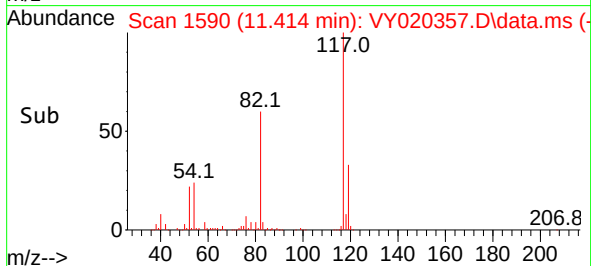
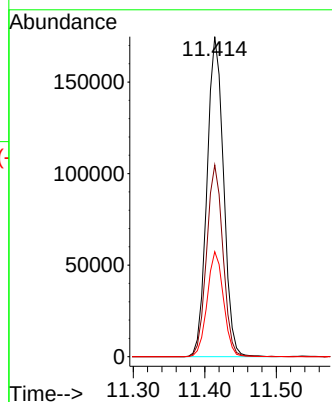
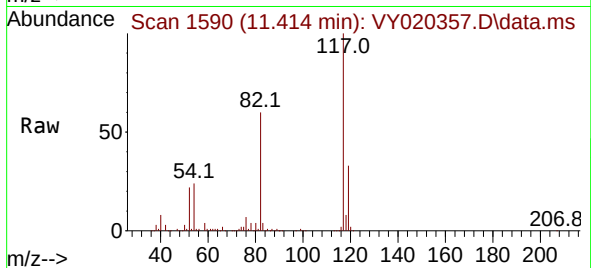
Tgt Ion:117 Resp: 281091

Ion Ratio Lower Upper

117 100

82 59.9 48.2 72.4

119 32.8 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY020357.D

Acq: 20 Nov 2024 14:17

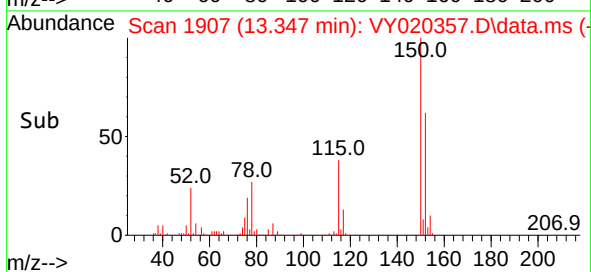
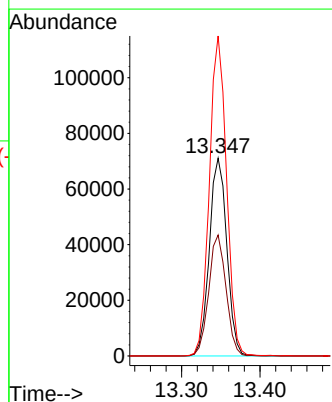
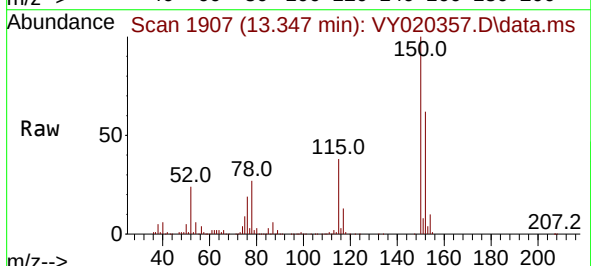
Tgt Ion:152 Resp: 110395

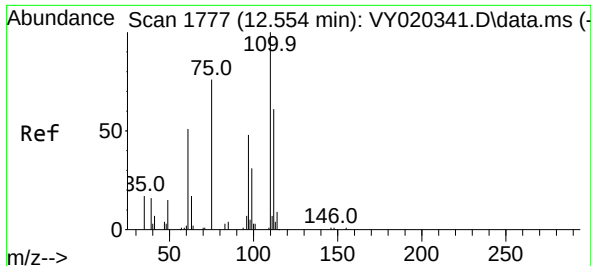
Ion Ratio Lower Upper

152 100

115 60.6 30.0 90.0

150 158.5 0.0 348.2

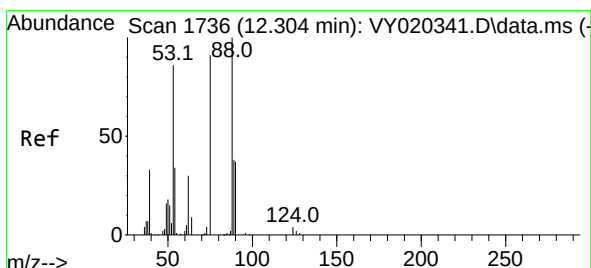
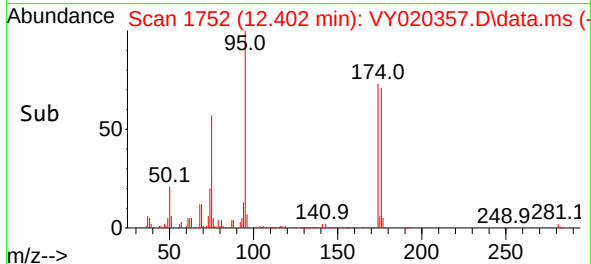
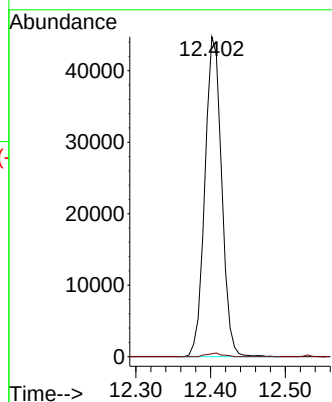
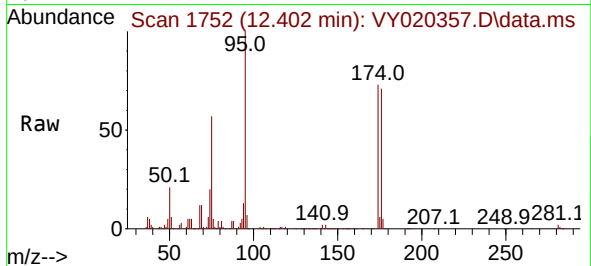




#76  
1,2,3-Trichloropropane  
Concen: 67.033 ug/l  
RT: 12.402 min Scan# 1752  
Delta R.T. -0.152 min  
Lab File: VY020357.D  
Acq: 20 Nov 2024 14:17

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 69748  
Ion Ratio Lower Upper  
75 100  
77 1.0 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 131.348 ug/l  
RT: 12.402 min Scan# 1752  
Delta R.T. 0.097 min  
Lab File: VY020357.D  
Acq: 20 Nov 2024 14:17

Tgt Ion: 75 Resp: 69748  
Ion Ratio Lower Upper  
75 100  
53 0.0 81.1 121.7#  
89 0.0 35.1 52.7#

