

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101724\  
 Data File : VY019928.D  
 Acq On : 17 Oct 2024 13:41  
 Operator : SY/MD  
 Sample : P4425-05  
 Misc : 5.53g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Oct 18 01:40:56 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100924S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 16 05:44:48 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.713  | 168  | 239321   | 50.000 | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 491804   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 442546   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 156184   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 165349   | 56.112   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 112.220% |
| 35) Dibromofluoromethane    | 7.640  | 113   | 163231   | 50.297   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 100.600% |
| 50) Toluene-d8              | 10.109 | 98    | 601562   | 50.194   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 100.380% |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 185264   | 42.782   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =    | 85.560%  |

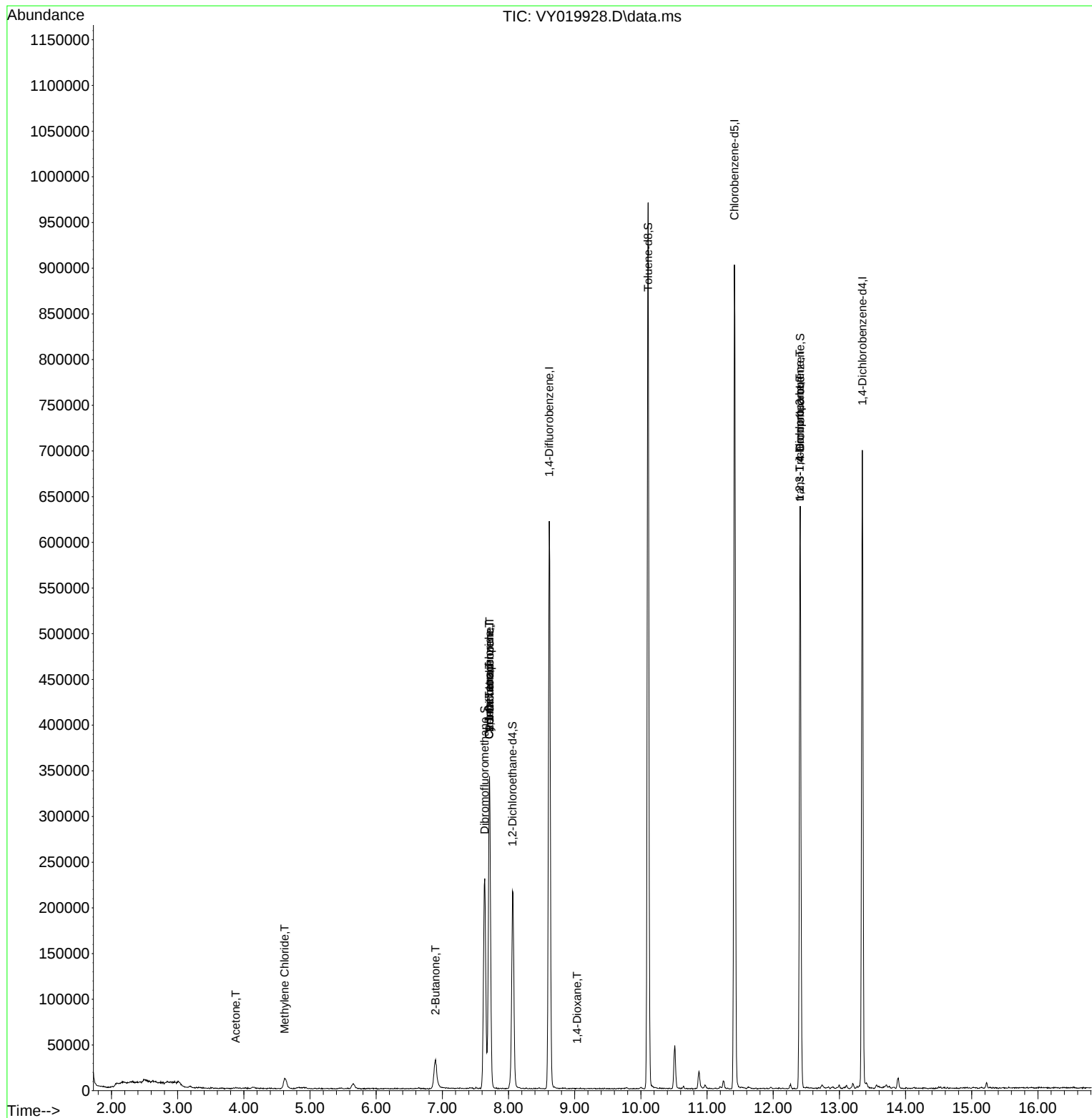
| Target Compounds              |        |     |        |           | Qvalue |     |
|-------------------------------|--------|-----|--------|-----------|--------|-----|
| 11) Tert butyl alcohol        | 4.830  | 59  | 1110   | Below Cal | #      | 88  |
| 16) Acetone                   | 3.879  | 43  | 1886   | 2.459     | ug/l # | 57  |
| 20) Methylene Chloride        | 4.616  | 84  | 7871   | 2.003     | ug/l # | 72  |
| 25) 2-Butanone                | 6.896  | 43  | 2692   | 2.622     | ug/l # | 60  |
| 31) Cyclohexane               | 7.707  | 56  | 7378   | 1.498     | ug/l # | 48  |
| 36) 1,1-Dichloropropene       | 7.713  | 75  | 24834  | 5.311     | ug/l # | 48  |
| 38) Carbon Tetrachloride      | 7.707  | 117 | 27449  | 5.476     | ug/l # | 14  |
| 49) 1,4-Dioxane               | 9.036  | 88  | 47     | 2.170     | ug/l # | 78  |
| 76) 1,2,3-Trichloropropane    | 12.401 | 75  | 109467 | 35.778    | ug/l # | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.401 | 75  | 109467 | 144.413   | ug/l # | 16  |

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

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MSVOA\_Y  
ClientSampleId :

Quant Time: Oct 18 01:40:56 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100924S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 16 05:44:48 2024  
Response via : Initial Calibration

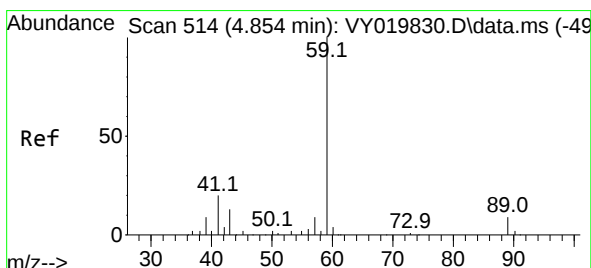
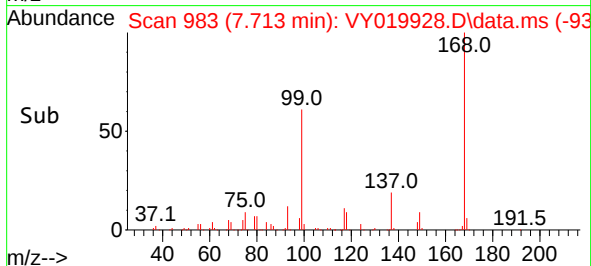
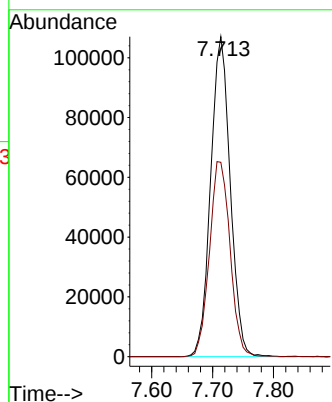
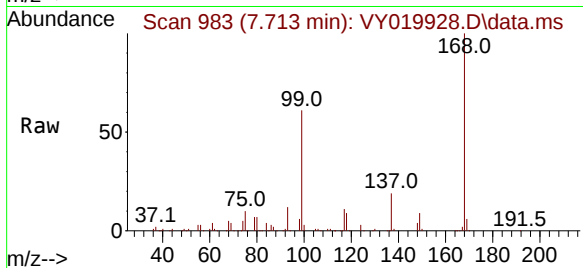




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY019928.D  
Acq: 17 Oct 2024 13:41

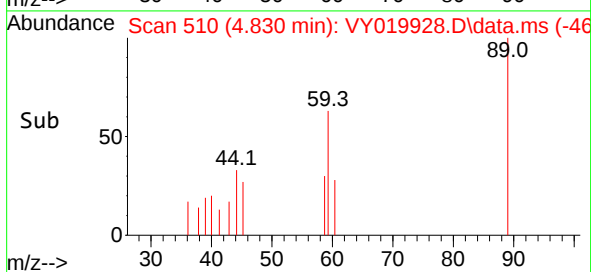
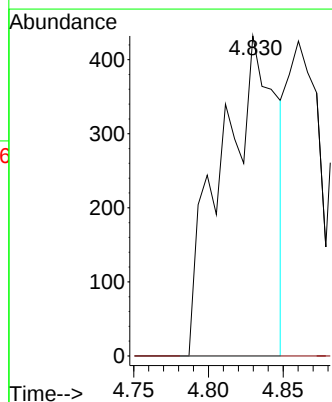
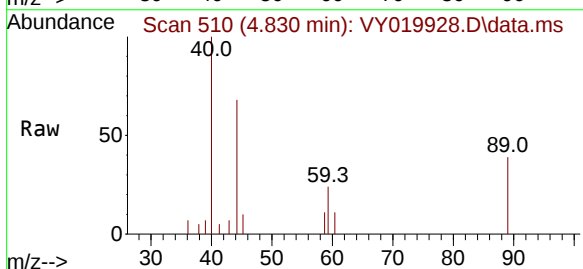
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion:168 Resp: 239321  
Ion Ratio Lower Upper  
168 100  
99 60.8 39.1 58.7#



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.830 min Scan# 510  
Delta R.T. -0.030 min  
Lab File: VY019928.D  
Acq: 17 Oct 2024 13:41

Tgt Ion: 59 Resp: 1110  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.0 4.6#

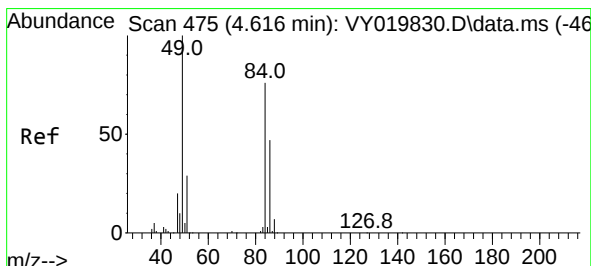
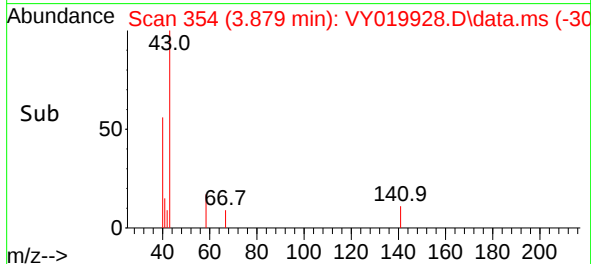
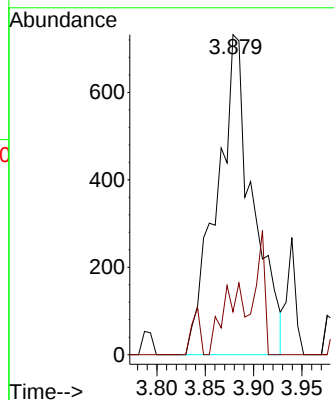
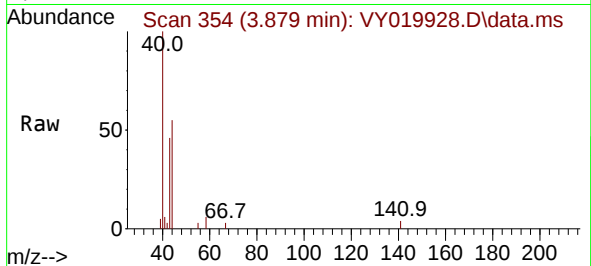




#16  
Acetone  
Concen: 2.459 ug/l  
RT: 3.879 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VY019928.D  
Acq: 17 Oct 2024 13:41

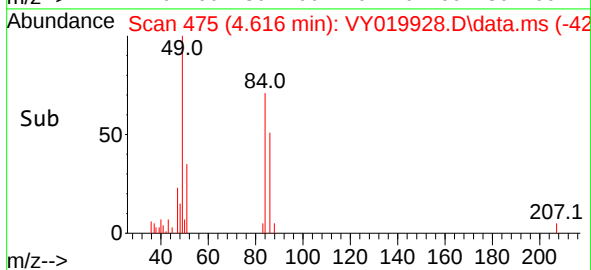
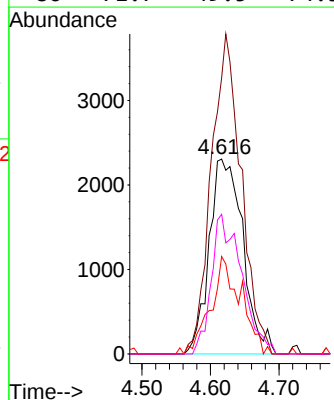
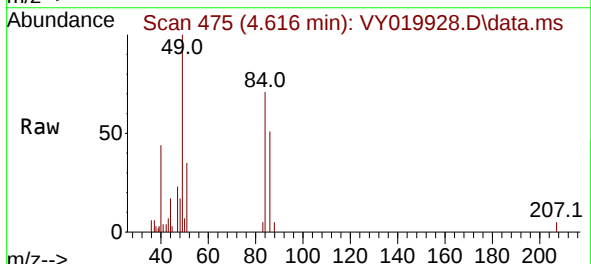
Instrument :  
MSVOA\_Y  
ClientSampleId :

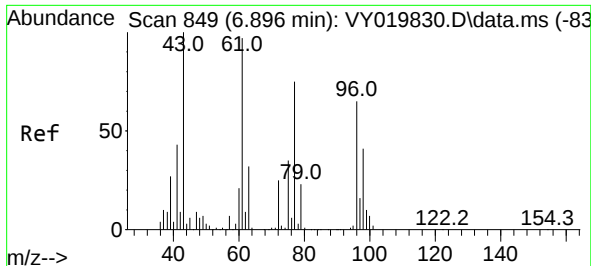
Tgt Ion: 43 Resp: 1886  
Ion Ratio Lower Upper  
43 100  
58 13.4 31.7 47.5#



#20  
Methylene Chloride  
Concen: 2.003 ug/l  
RT: 4.616 min Scan# 475  
Delta R.T. 0.000 min  
Lab File: VY019928.D  
Acq: 17 Oct 2024 13:41

Tgt Ion: 84 Resp: 7871  
Ion Ratio Lower Upper  
84 100  
49 141.7 84.4 126.6#  
51 49.9 26.0 39.0#  
86 71.7 49.5 74.3

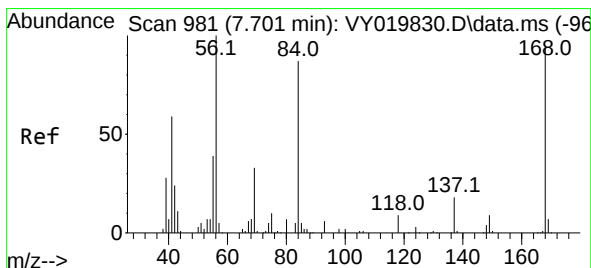
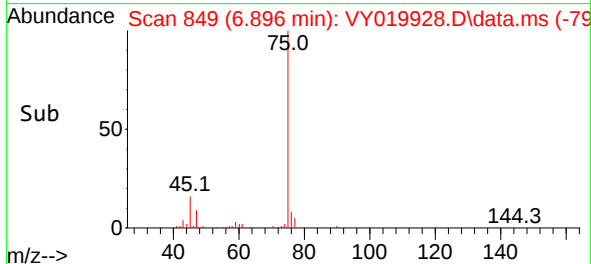
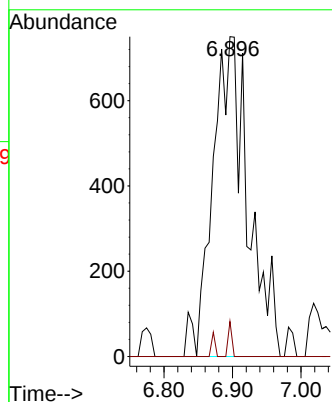
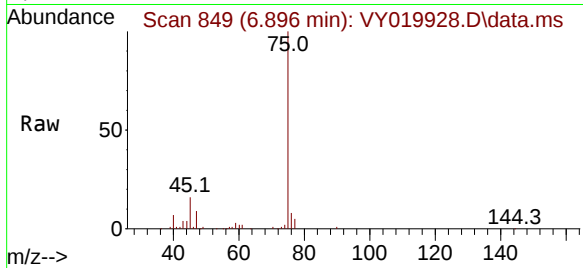




#25  
2-Butanone  
Concen: 2.622 ug/l  
RT: 6.896 min Scan# 849  
Delta R.T. 0.006 min  
Lab File: VY019928.D  
Acq: 17 Oct 2024 13:41

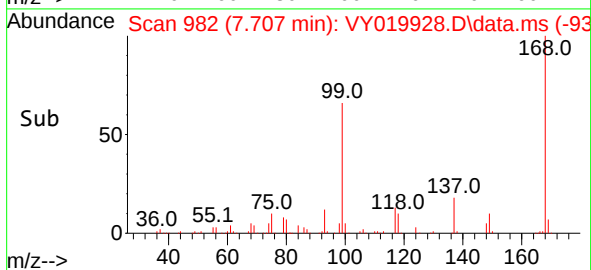
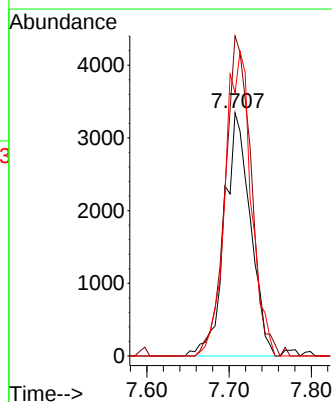
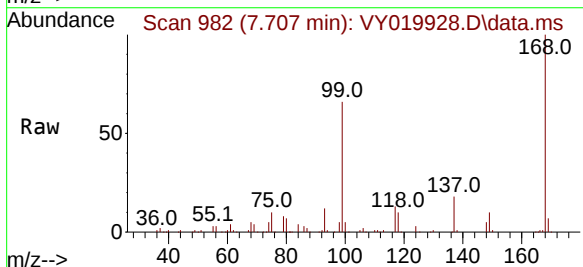
Instrument :  
MSVOA\_Y  
ClientSampleId :

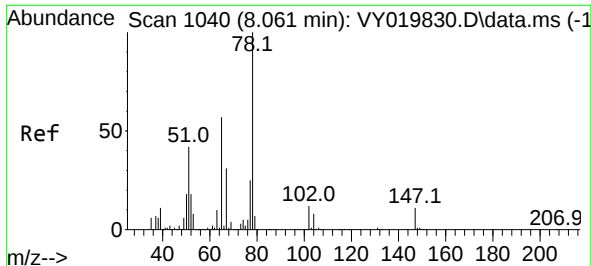
Tgt Ion: 43 Resp: 2692  
Ion Ratio Lower Upper  
43 100  
72 10.9 27.3 40.9#



#31  
Cyclohexane  
Concen: 1.498 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. 0.006 min  
Lab File: VY019928.D  
Acq: 17 Oct 2024 13:41

Tgt Ion: 56 Resp: 7378  
Ion Ratio Lower Upper  
56 100  
69 131.6 28.7 43.1#  
84 108.2 77.7 116.5





#33

1,2-Dichloroethane-d4

Concen: 56.112 ug/l

RT: 8.061 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY019928.D

Acq: 17 Oct 2024 13:41

Instrument :

MSVOA\_Y

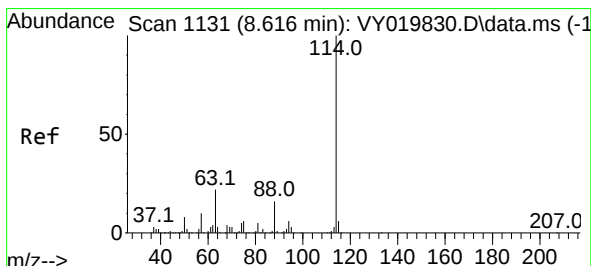
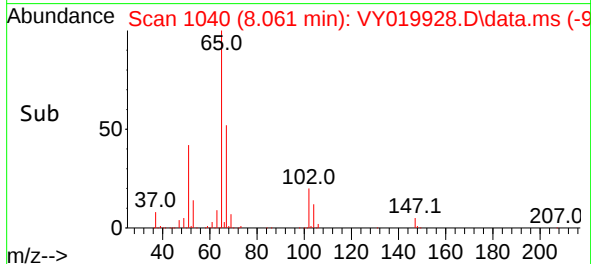
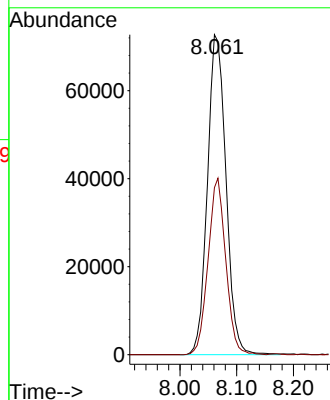
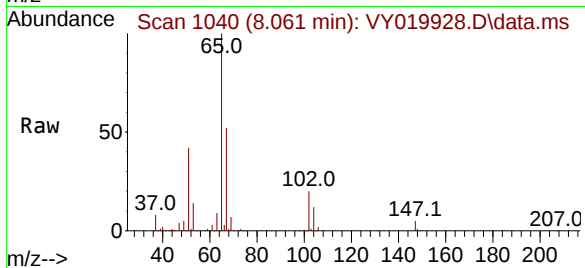
ClientSampleId :

Tgt Ion: 65 Resp: 165349

Ion Ratio Lower Upper

65 100

67 52.6 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019928.D

Acq: 17 Oct 2024 13:41

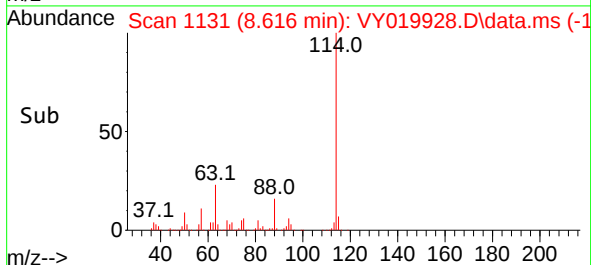
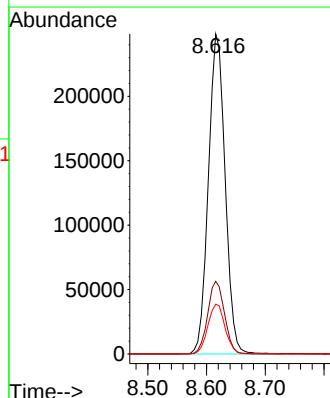
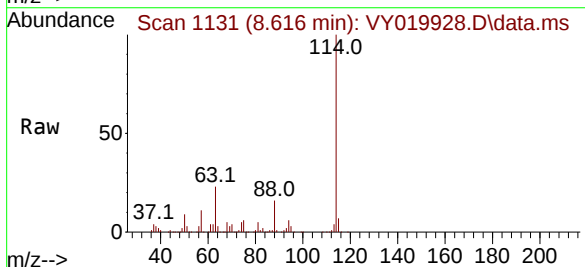
Tgt Ion: 114 Resp: 491804

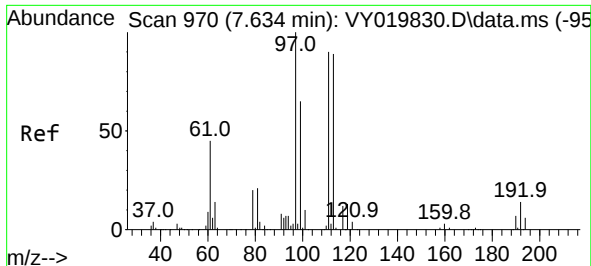
Ion Ratio Lower Upper

114 100

63 22.7 0.0 35.0

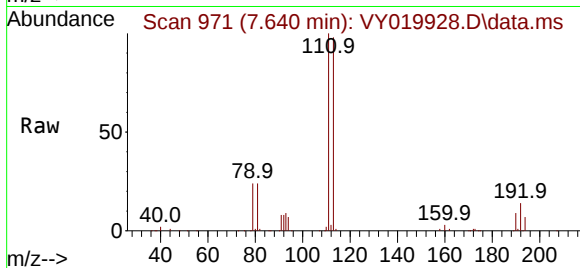
88 15.6 0.0 27.2



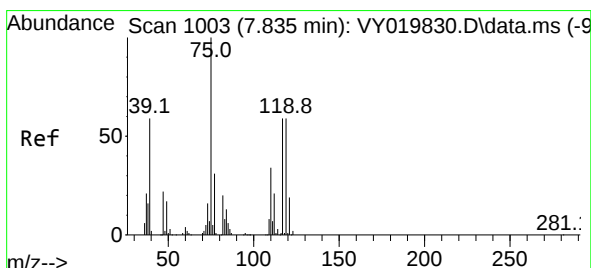
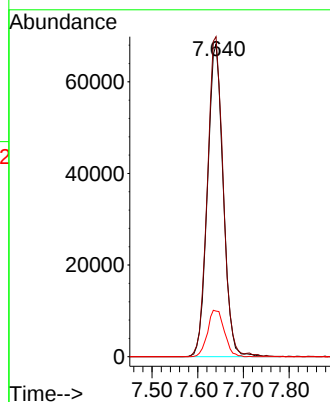
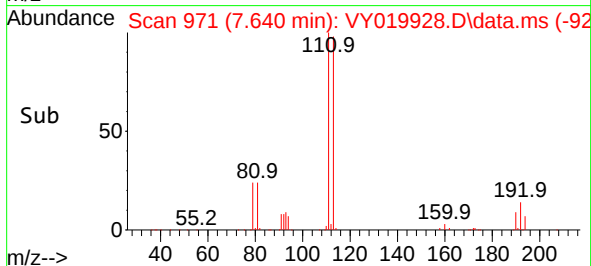


#35  
Dibromofluoromethane  
Concen: 50.297 ug/l  
RT: 7.640 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY019928.D  
Acq: 17 Oct 2024 13:41

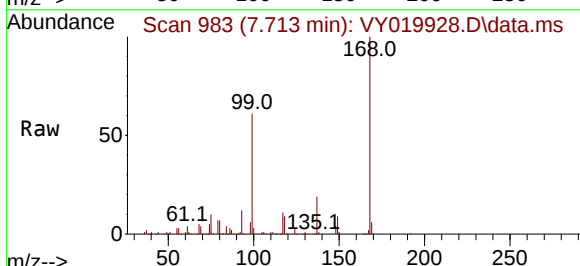
Instrument :  
MSVOA\_Y  
ClientSampleId :



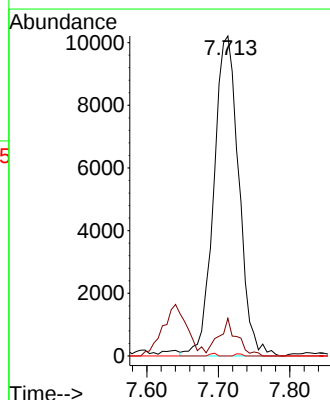
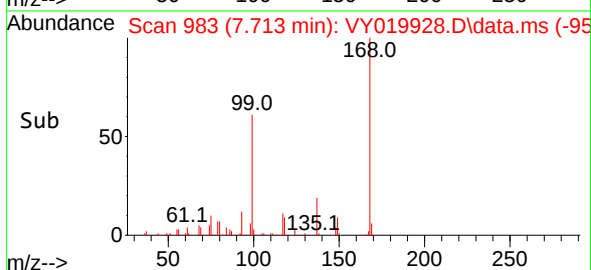
Tgt Ion:113 Resp: 163231  
Ion Ratio Lower Upper  
113 100  
111 102.8 82.2 123.4  
192 15.8 15.9 23.9#

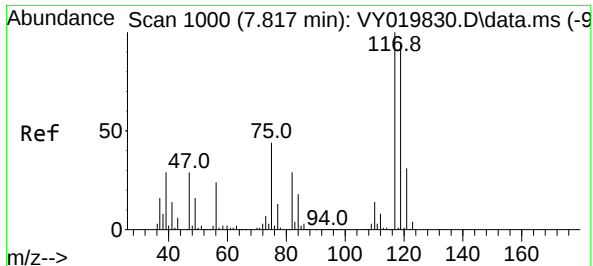


#36  
1,1-Dichloropropene  
Concen: 5.311 ug/l  
RT: 7.713 min Scan# 983  
Delta R.T. -0.122 min  
Lab File: VY019928.D  
Acq: 17 Oct 2024 13:41



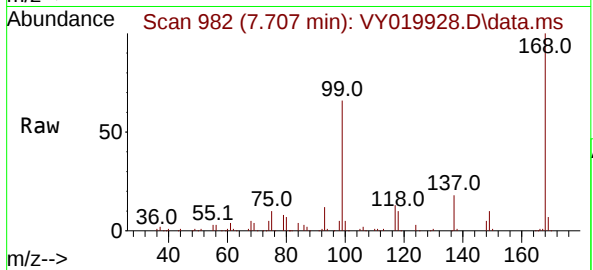
Tgt Ion: 75 Resp: 24834  
Ion Ratio Lower Upper  
75 100  
110 8.5 19.0 57.0#  
77 0.2 25.3 37.9#



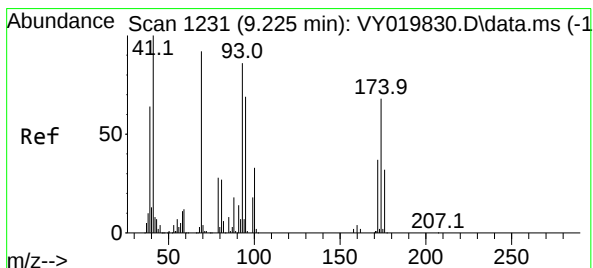
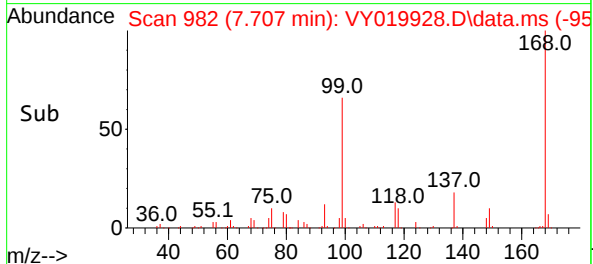
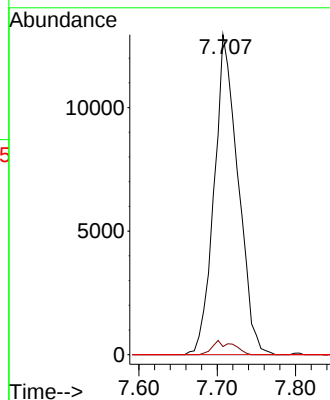


#38  
Carbon Tetrachloride  
Concen: 5.476 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.109 min  
Lab File: VY019928.D  
Acq: 17 Oct 2024 13:41

Instrument :  
MSVOA\_Y  
ClientSampleId :

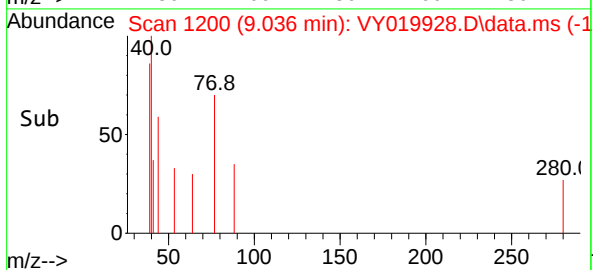
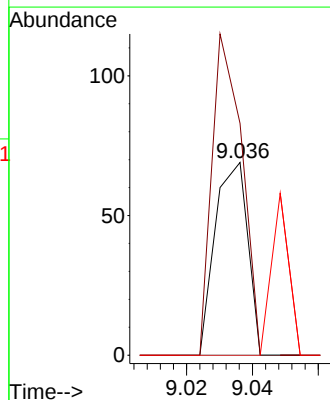
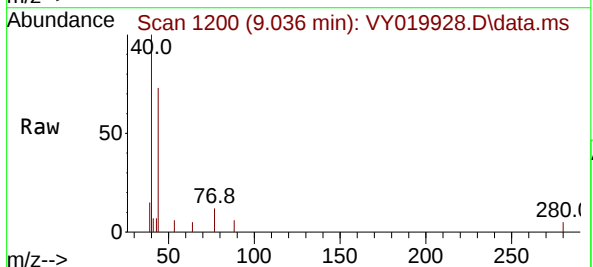


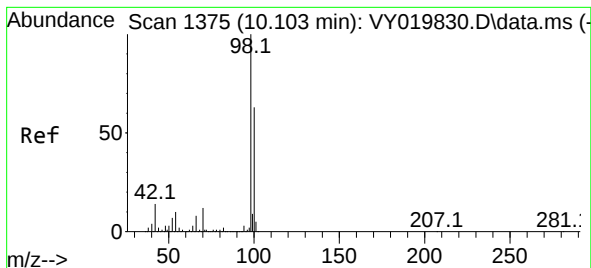
Tgt Ion:117 Resp: 27449  
Ion Ratio Lower Upper  
117 100  
119 2.5 75.8 113.6#  
121 0.0 24.0 36.0#



#49  
1,4-Dioxane  
Concen: 2.170 ug/l  
RT: 9.036 min Scan# 1200  
Delta R.T. -0.195 min  
Lab File: VY019928.D  
Acq: 17 Oct 2024 13:41

Tgt Ion: 88 Resp: 47  
Ion Ratio Lower Upper  
88 100  
43 153.2 0.0 0.0#  
58 44.7 49.3 73.9#





#50

Toluene-d8

Concen: 50.194 ug/l

RT: 10.109 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019928.D

Acq: 17 Oct 2024 13:41

Instrument :

MSVOA\_Y

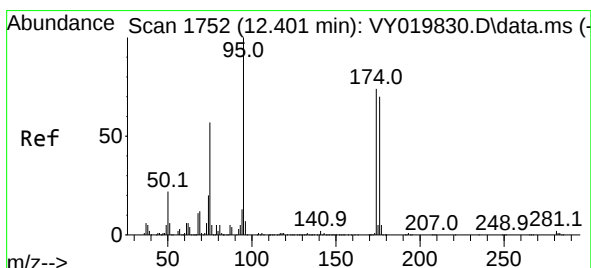
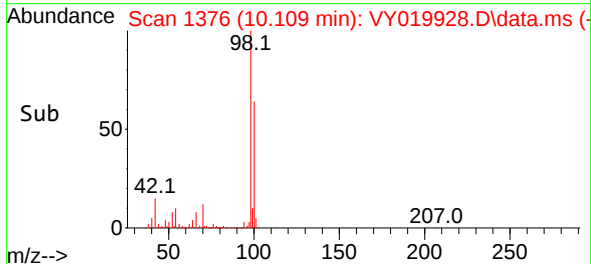
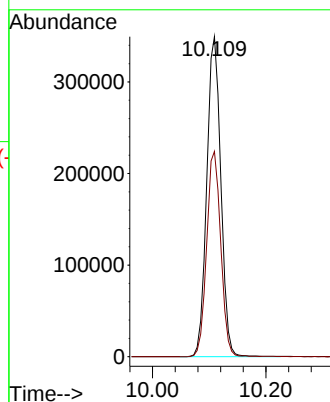
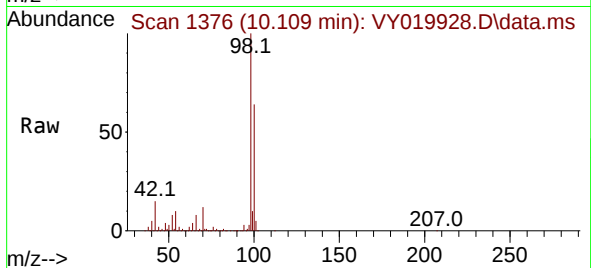
ClientSampleId :

Tgt Ion: 98 Resp: 601562

Ion Ratio Lower Upper

98 100

100 64.1 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 42.782 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY019928.D

Acq: 17 Oct 2024 13:41

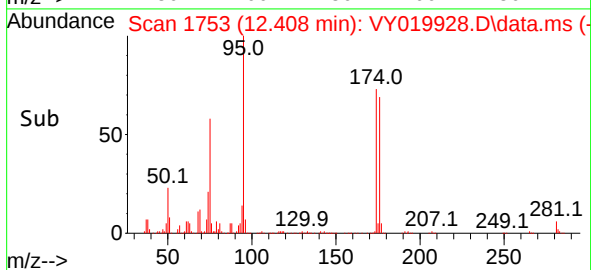
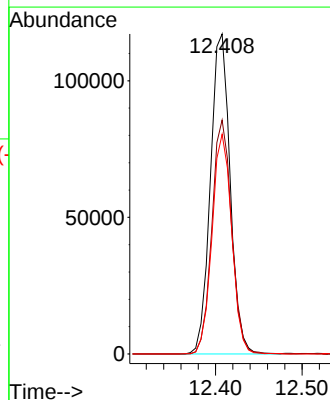
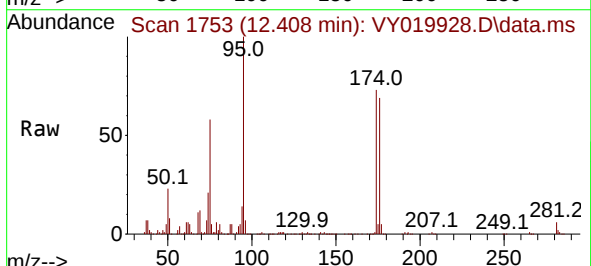
Tgt Ion: 95 Resp: 185264

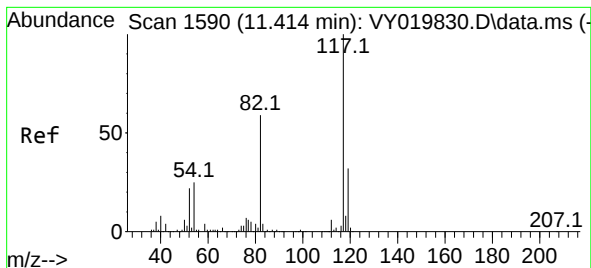
Ion Ratio Lower Upper

95 100

174 73.1 0.0 175.6

176 68.7 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019928.D

Acq: 17 Oct 2024 13:41

Instrument :

MSVOA\_Y

ClientSampleId :

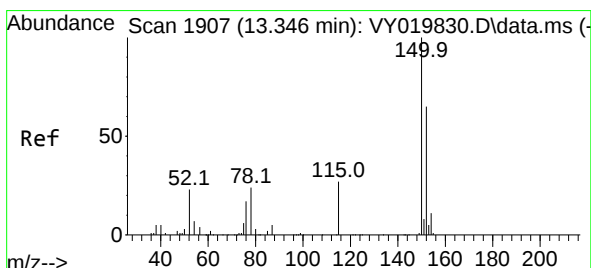
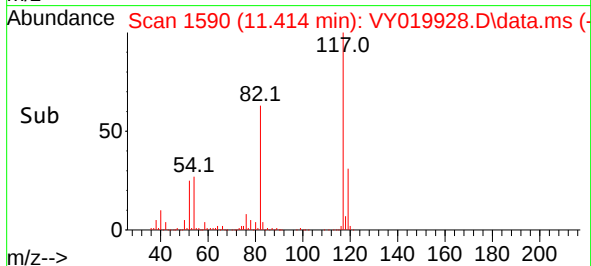
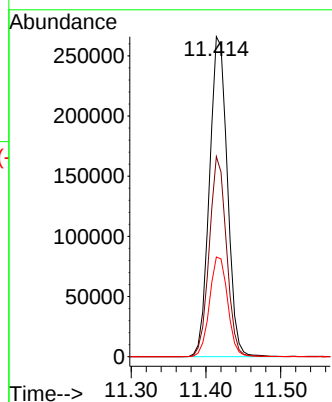
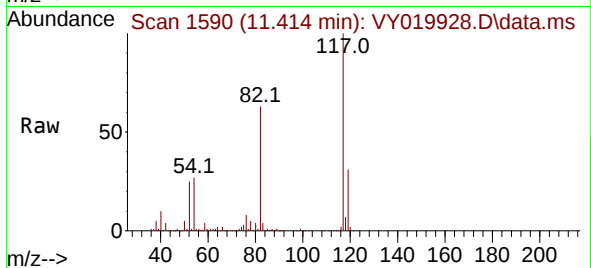
Tgt Ion:117 Resp: 442546

Ion Ratio Lower Upper

117 100

82 62.6 42.4 63.6

119 31.1 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019928.D

Acq: 17 Oct 2024 13:41

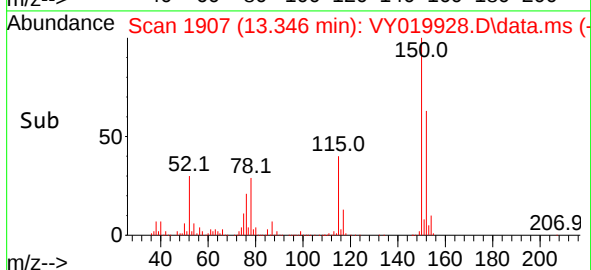
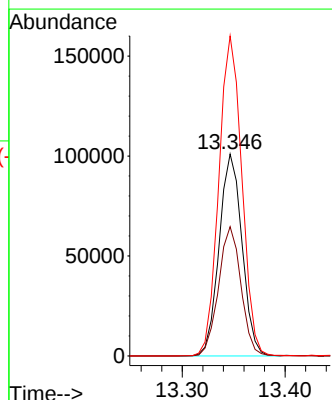
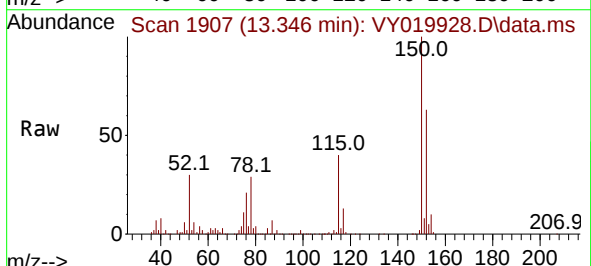
Tgt Ion:152 Resp: 156184

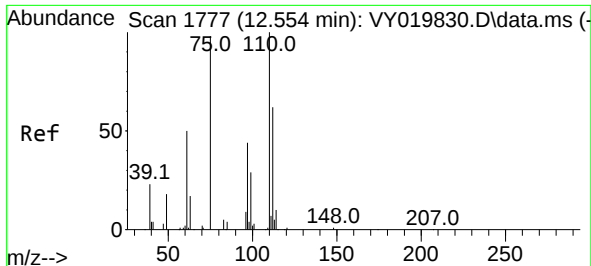
Ion Ratio Lower Upper

152 100

115 62.7 28.2 84.7

150 159.2 0.0 345.6

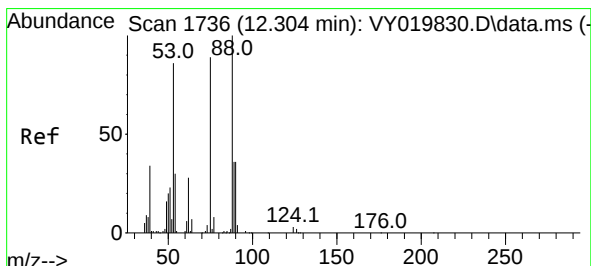
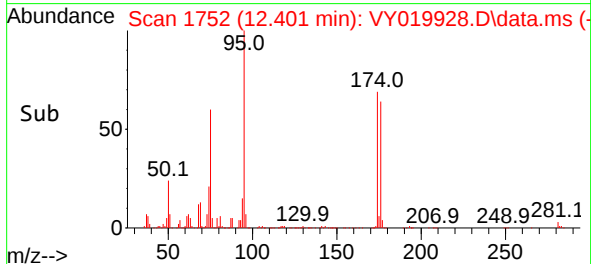
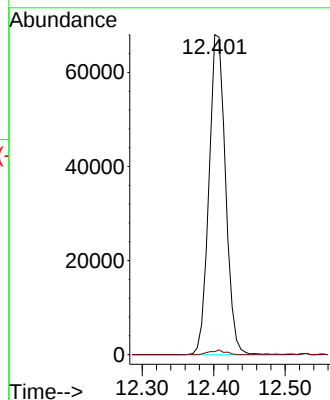
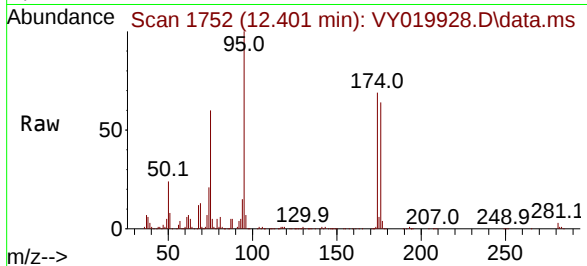




#76  
1,2,3-Trichloropropane  
Concen: 35.778 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. -0.158 min  
Lab File: VY019928.D  
Acq: 17 Oct 2024 13:41

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 109467  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 144.413 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. 0.098 min  
Lab File: VY019928.D  
Acq: 17 Oct 2024 13:41

Tgt Ion: 75 Resp: 109467  
Ion Ratio Lower Upper  
75 100  
53 0.0 66.8 100.2#  
89 0.0 35.8 53.6#

