

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY111124\  
 Data File : VY020240.D  
 Acq On : 11 Nov 2024 11:39  
 Operator : SY/MD  
 Sample : VY1111SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Nov 11 23:12:15 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y103024S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 31 15:23:13 2024  
 Response via : Initial Calibration

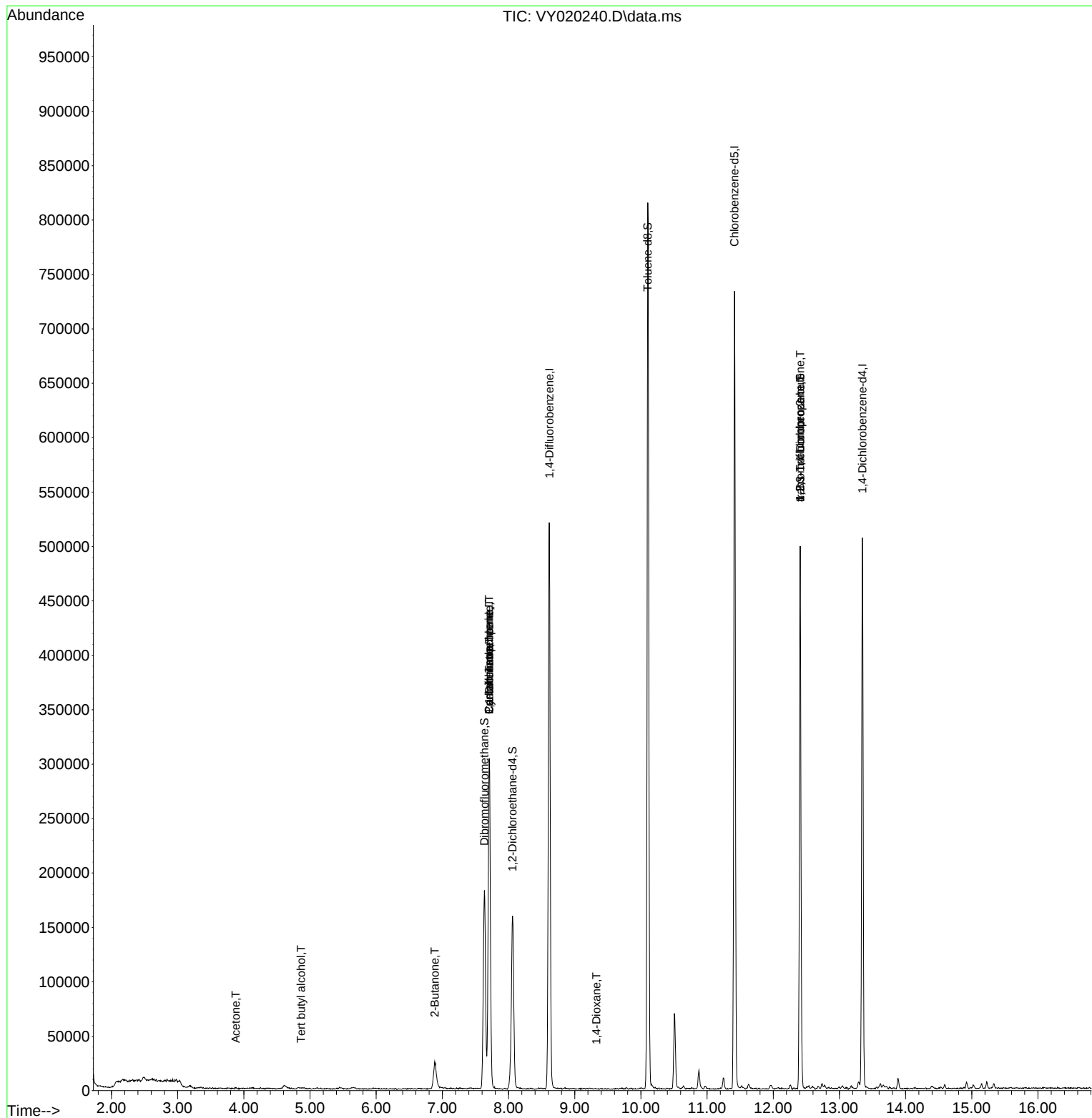
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 7.707  | 168   | 215426   | 50.000   | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.616  | 114   | 422891   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.414 | 117   | 356582   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346 | 152   | 111959   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.061  | 65    | 116401   | 43.293   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | =      | 86.580%  |
| 35) Dibromofluoromethane      | 7.634  | 113   | 124770   | 46.405   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | =      | 92.800%  |
| 50) Toluene-d8                | 10.103 | 98    | 512470   | 47.884   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery | =      | 95.760%  |
| 62) 4-Bromofluorobenzene      | 12.408 | 95    | 139172   | 40.035   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 29 - 146 | Recovery | =      | 80.060%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 11) Tert butyl alcohol        | 4.866  | 59    | 454      | 2.348    | ug/l   | # 88     |
| 16) Acetone                   | 3.879  | 43    | 1029     | 1.646    | ug/l   | # 52     |
| 25) 2-Butanone                | 6.884  | 43    | 1178     | 1.390    | ug/l   | # 59     |
| 31) Cyclohexane               | 7.707  | 56    | 6434     | 1.319    | ug/l   | # 32     |
| 36) 1,1-Dichloropropene       | 7.707  | 75    | 21572    | 5.194    | ug/l   | # 47     |
| 38) Carbon Tetrachloride      | 7.707  | 117   | 24394    | 5.841    | ug/l   | # 16     |
| 49) 1,4-Dioxane               | 9.329  | 88    | 23       | 1.421    | ug/l   | # 20     |
| 76) 1,2,3-Trichloropropane    | 12.408 | 75    | 81231    | 77.400   | ug/l   | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.408 | 75    | 81231    | 166.484  | ug/l   | # 16     |
| -----                         |        |       |          |          |        |          |

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

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Sample : VY1111SBL01  
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Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Nov 11 23:12:15 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y103024S.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 31 15:23:13 2024  
Response via : Initial Calibration

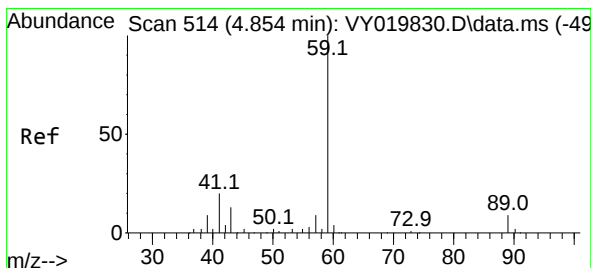
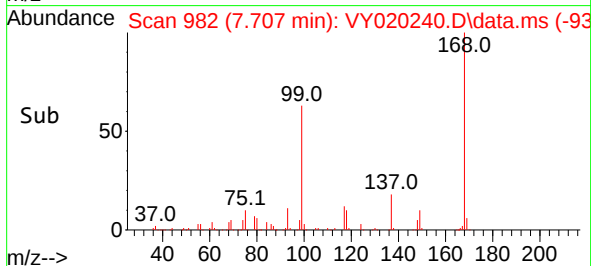
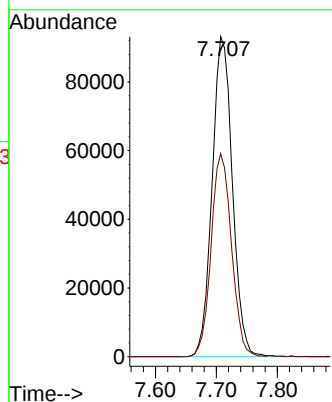
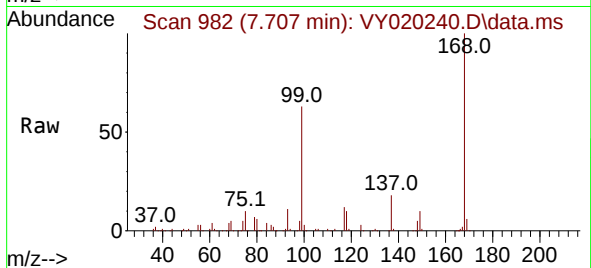




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY020240.D  
Acq: 11 Nov 2024 11:39

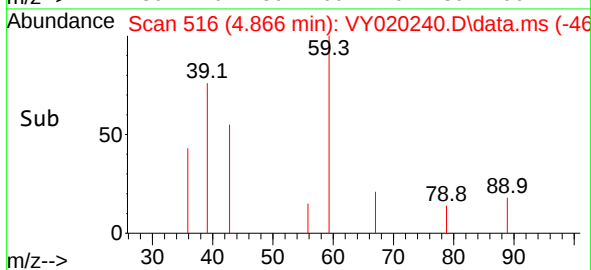
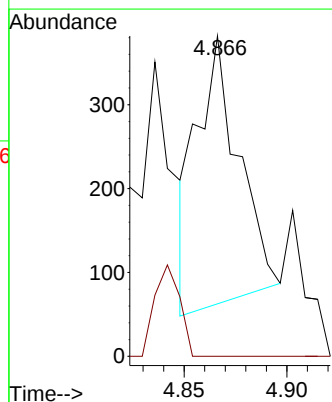
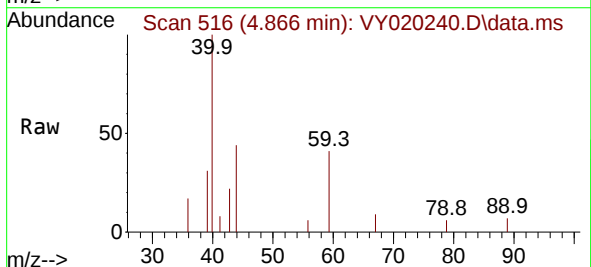
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion:168 Resp: 215426  
Ion Ratio Lower Upper  
168 100  
99 63.5 39.1 58.7#



#11  
Tert butyl alcohol  
Concen: 2.348 ug/l  
RT: 4.866 min Scan# 516  
Delta R.T. 0.006 min  
Lab File: VY020240.D  
Acq: 11 Nov 2024 11:39

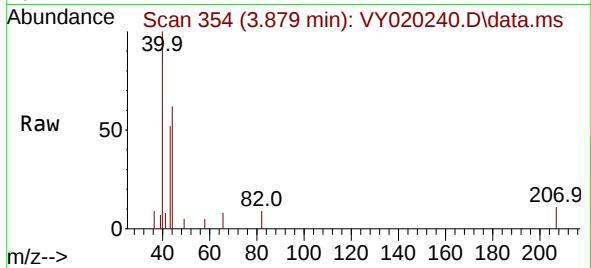
Tgt Ion: 59 Resp: 454  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.0 4.6#



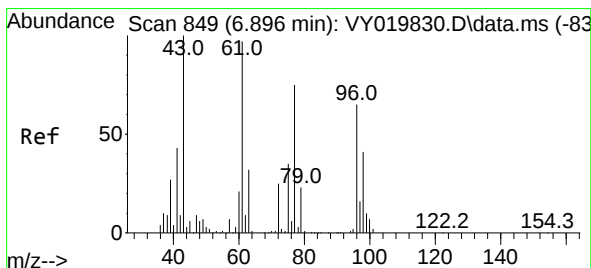
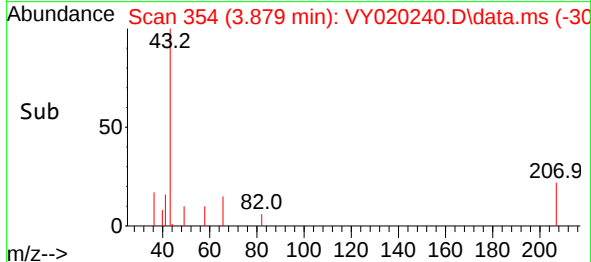
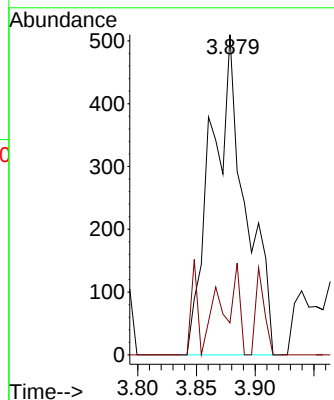


#16  
Acetone  
Concen: 1.646 ug/l  
RT: 3.879 min Scan# 311  
Delta R.T. 0.006 min  
Lab File: VY020240.D  
Acq: 11 Nov 2024 11:39

Instrument :  
MSVOA\_Y  
ClientSampleId :

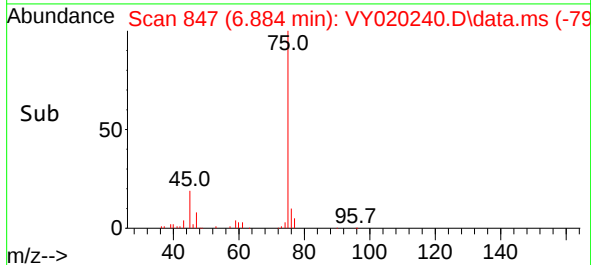
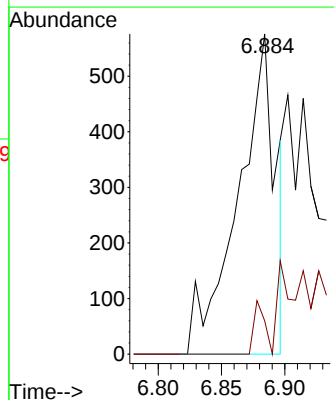
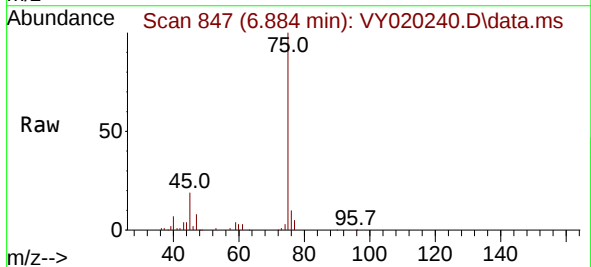


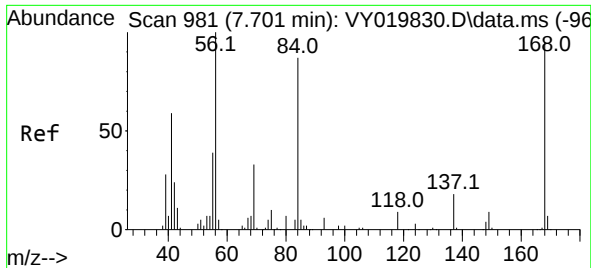
Tgt Ion: 43 Resp: 1029  
Ion Ratio Lower Upper  
43 100  
58 10.0 31.7 47.5#



#25  
2-Butanone  
Concen: 1.390 ug/l  
RT: 6.884 min Scan# 847  
Delta R.T. -0.006 min  
Lab File: VY020240.D  
Acq: 11 Nov 2024 11:39

Tgt Ion: 43 Resp: 1178  
Ion Ratio Lower Upper  
43 100  
72 10.4 27.3 40.9#

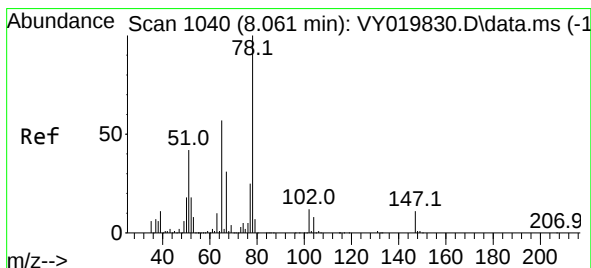
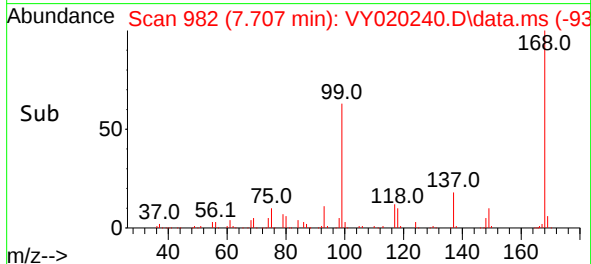
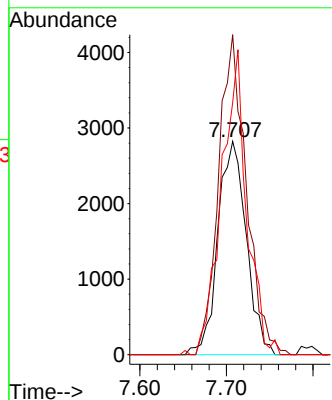
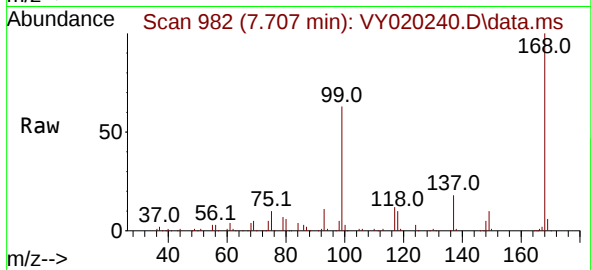




#31  
Cyclohexane  
Concen: 1.319 ug/l  
RT: 7.707 min Scan# 981  
Delta R.T. 0.006 min  
Lab File: VY020240.D  
Acq: 11 Nov 2024 11:39

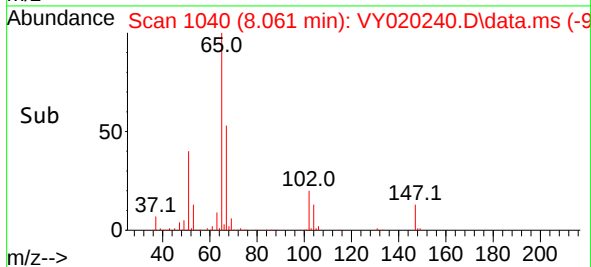
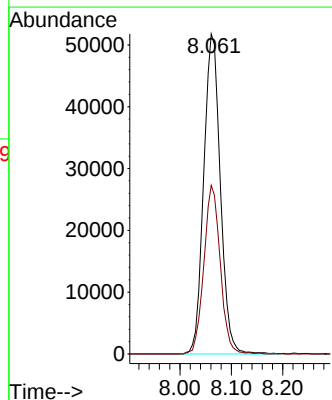
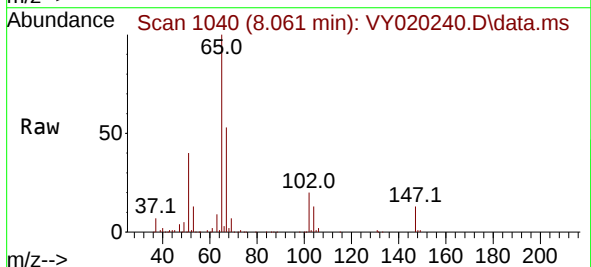
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 56 Resp: 6434  
Ion Ratio Lower Upper  
56 100  
69 150.1 28.7 43.1#  
84 118.2 77.7 116.5#



#33  
1,2-Dichloroethane-d4  
Concen: 43.293 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: VY020240.D  
Acq: 11 Nov 2024 11:39

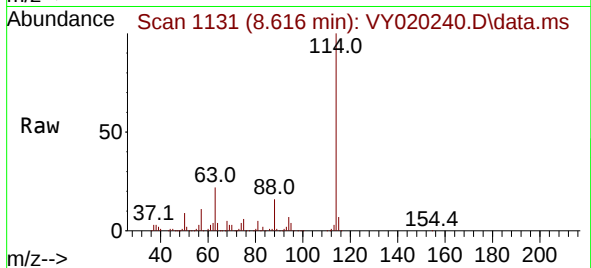
Tgt Ion: 65 Resp: 116401  
Ion Ratio Lower Upper  
65 100  
67 51.9 0.0 109.6



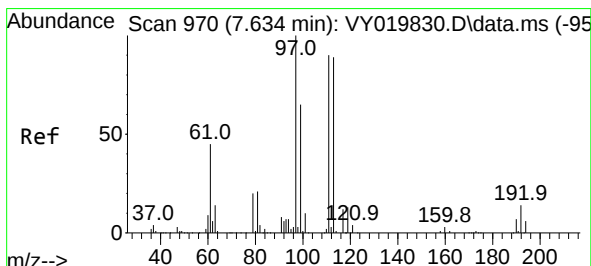
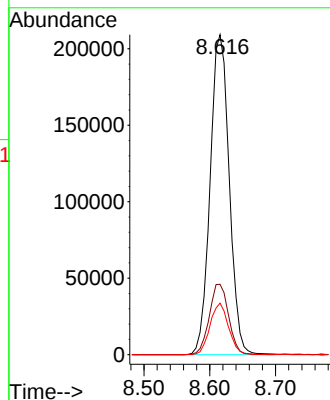
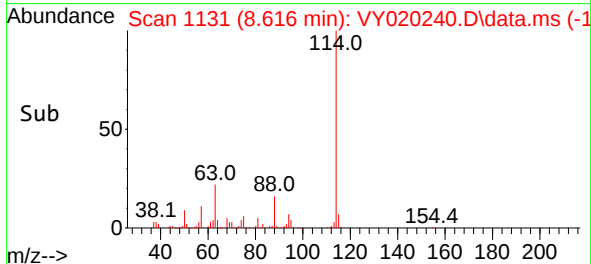


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 1131  
Delta R.T. 0.000 min  
Lab File: VY020240.D  
Acq: 11 Nov 2024 11:39

Instrument :  
MSVOA\_Y  
ClientSampleId :

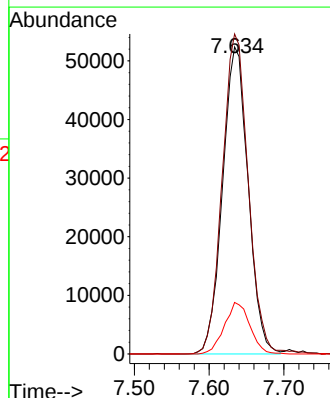
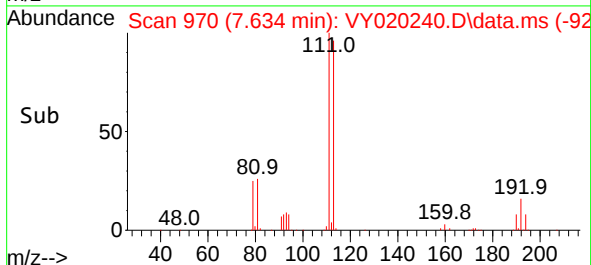
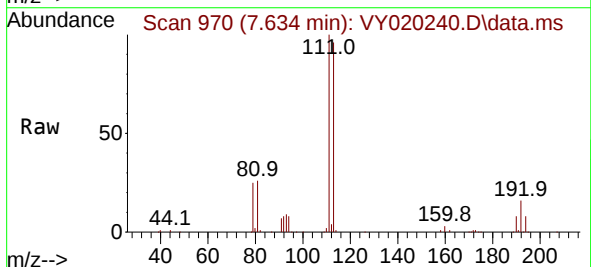


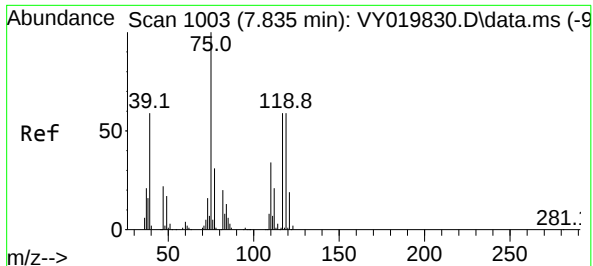
Tgt Ion:114 Resp: 422891  
Ion Ratio Lower Upper  
114 100  
63 22.0 0.0 35.0  
88 16.1 0.0 27.2



#35  
Dibromofluoromethane  
Concen: 46.405 ug/l  
RT: 7.634 min Scan# 970  
Delta R.T. 0.000 min  
Lab File: VY020240.D  
Acq: 11 Nov 2024 11:39

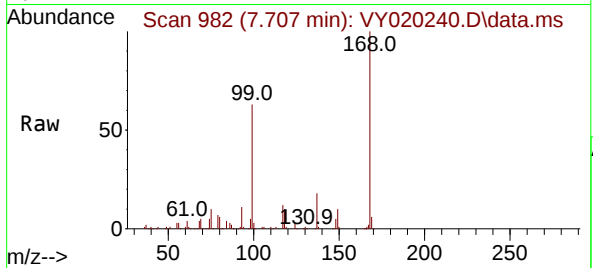
Tgt Ion:113 Resp: 124770  
Ion Ratio Lower Upper  
113 100  
111 106.1 82.2 123.4  
192 16.7 15.9 23.9



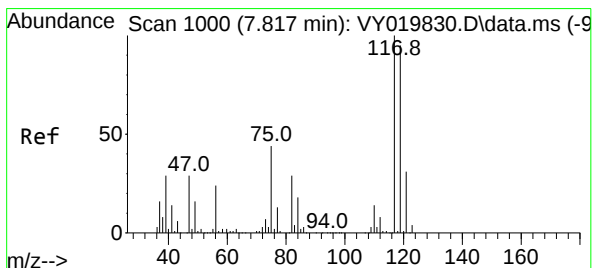
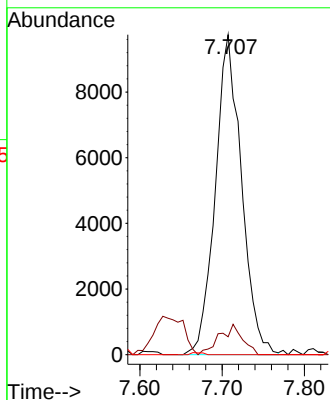
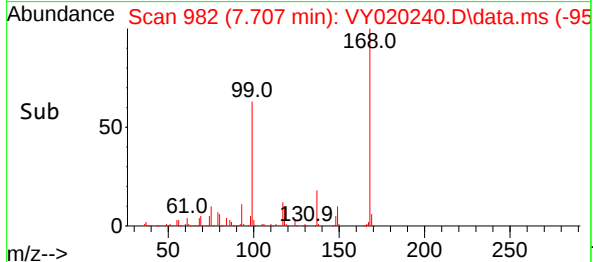


#36  
1,1-Dichloropropene  
Concen: 5.194 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. -0.128 min  
Lab File: VY020240.D  
Acq: 11 Nov 2024 11:39

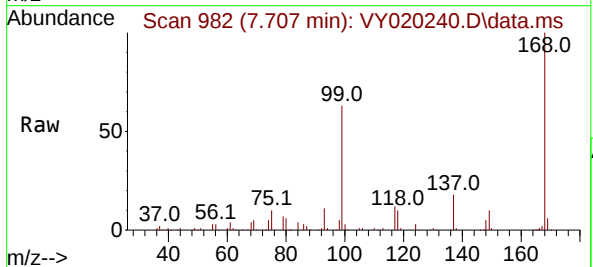
Instrument :  
MSVOA\_Y  
ClientSampleId :



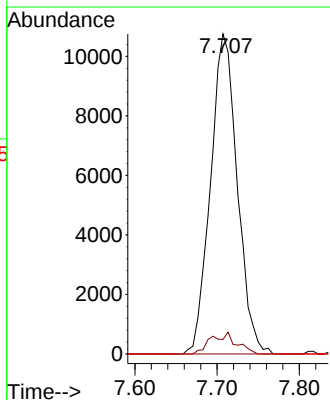
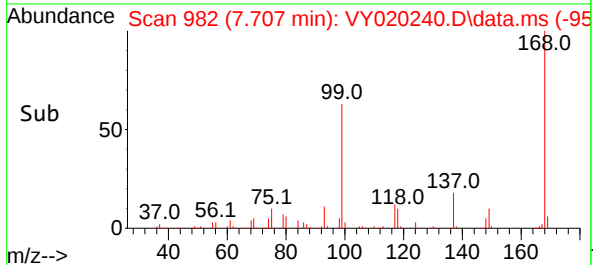
Tgt Ion: 75 Resp: 21572  
Ion Ratio Lower Upper  
75 100  
110 8.4 19.0 57.0#  
77 0.0 25.3 37.9#

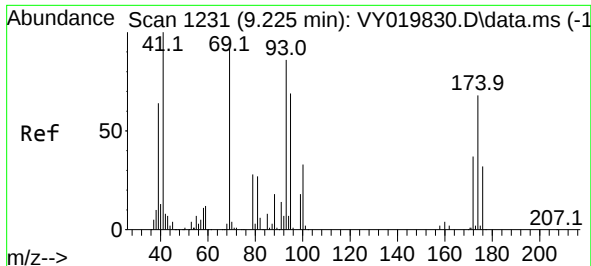


#38  
Carbon Tetrachloride  
Concen: 5.841 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. -0.109 min  
Lab File: VY020240.D  
Acq: 11 Nov 2024 11:39



Tgt Ion: 117 Resp: 24394  
Ion Ratio Lower Upper  
117 100  
119 4.6 75.8 113.6#  
121 0.0 24.0 36.0#





#49

1,4-Dioxane

Concen: 1.421 ug/l

RT: 9.329 min Scan# 11

Delta R.T. 0.098 min

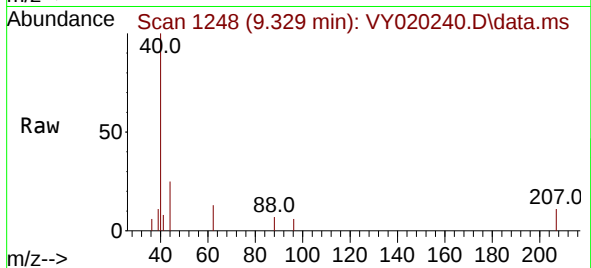
Lab File: VY020240.D

Acq: 11 Nov 2024 11:39

Instrument :

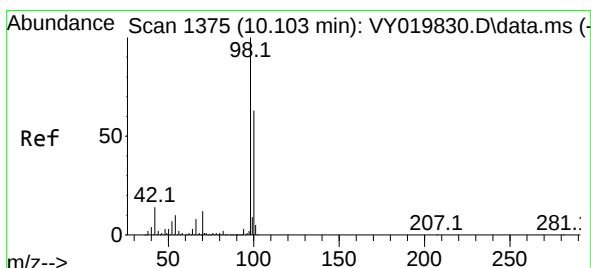
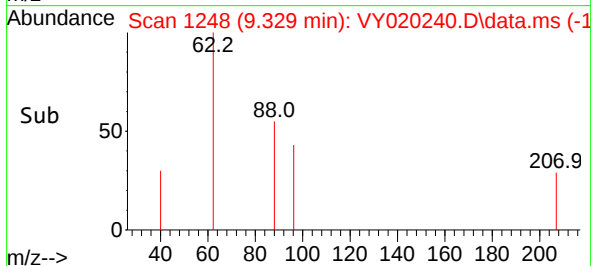
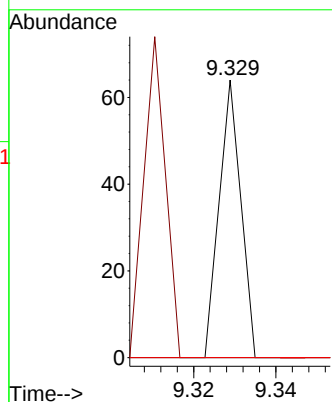
MSVOA\_Y

ClientSampleId :



Tgt Ion: 88 Resp: 23

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 43  | 117.4 | 0.0   | 0.0#  |
| 58  | 0.0   | 49.3  | 73.9# |



#50

Toluene-d8

Concen: 47.884 ug/l

RT: 10.103 min Scan# 1375

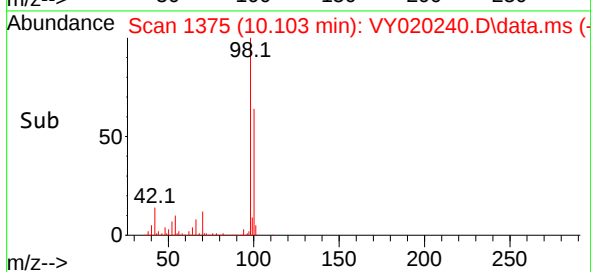
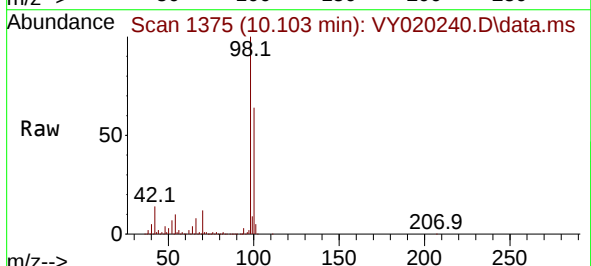
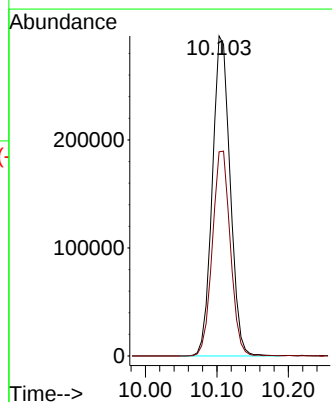
Delta R.T. -0.006 min

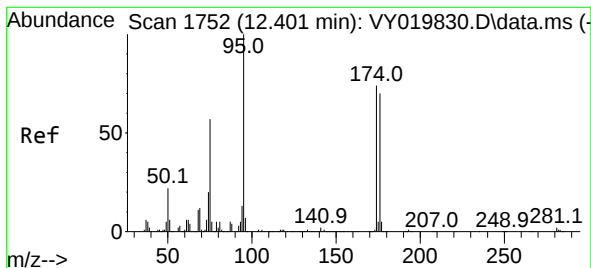
Lab File: VY020240.D

Acq: 11 Nov 2024 11:39

Tgt Ion: 98 Resp: 512470

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 98  | 100   |       |       |
| 100 | 64.6  | 52.0  | 78.0  |

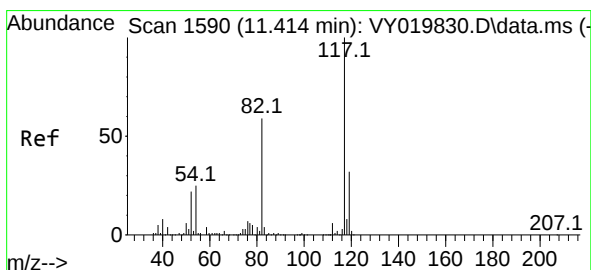
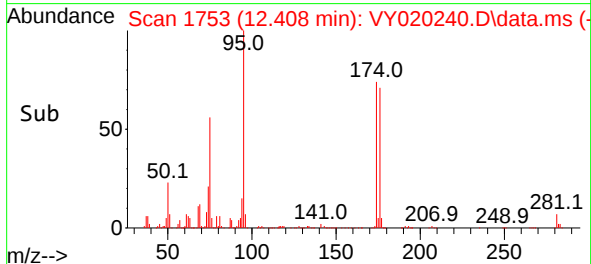
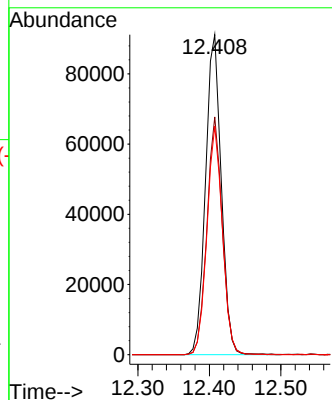
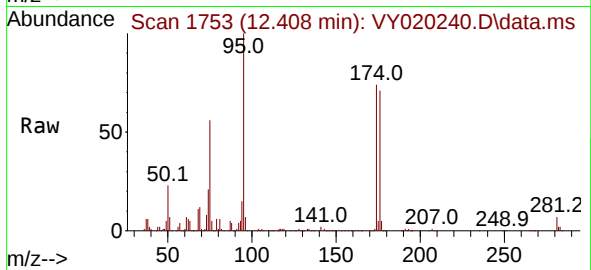




#62  
4-Bromofluorobenzene  
Concen: 40.035 ug/l  
RT: 12.408 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY020240.D  
Acq: 11 Nov 2024 11:39

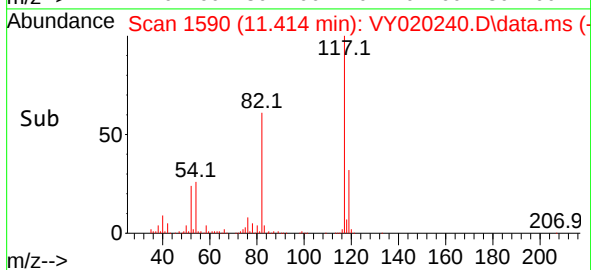
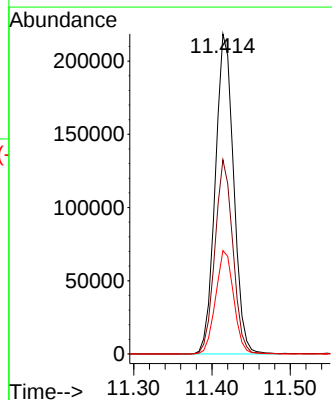
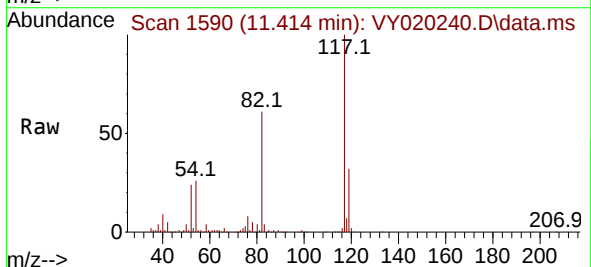
Instrument :  
MSVOA\_Y  
ClientSampleId :

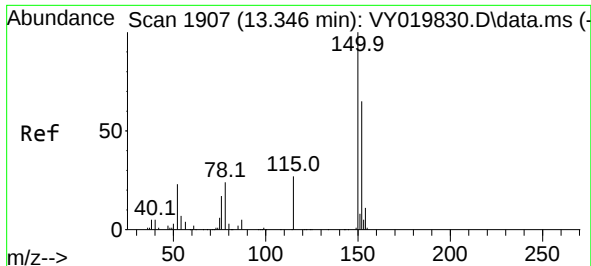
Tgt Ion: 95 Resp: 139172  
Ion Ratio Lower Upper  
95 100  
174 72.8 0.0 175.6  
176 70.4 0.0 171.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. -0.006 min  
Lab File: VY020240.D  
Acq: 11 Nov 2024 11:39

Tgt Ion: 117 Resp: 356582  
Ion Ratio Lower Upper  
117 100  
82 60.7 42.4 63.6  
119 32.3 25.9 38.9

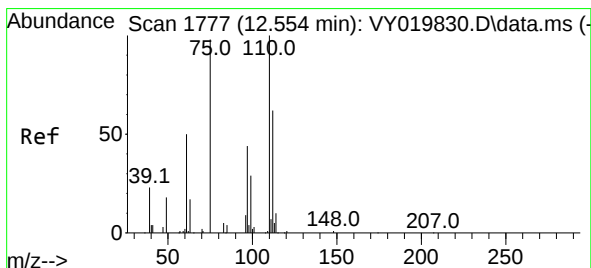
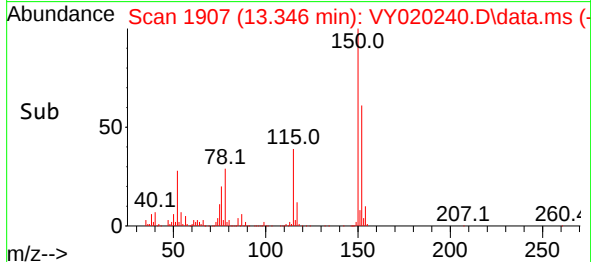
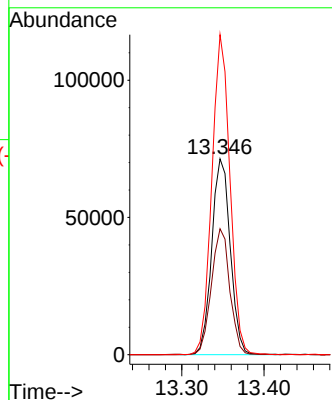
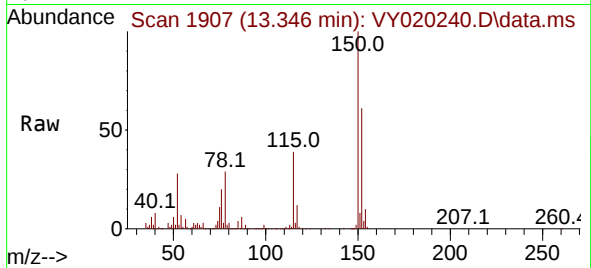




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.346 min Scan# 1907  
 Delta R.T. 0.000 min  
 Lab File: VY020240.D  
 Acq: 11 Nov 2024 11:39

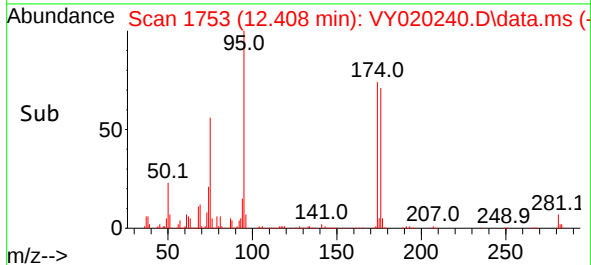
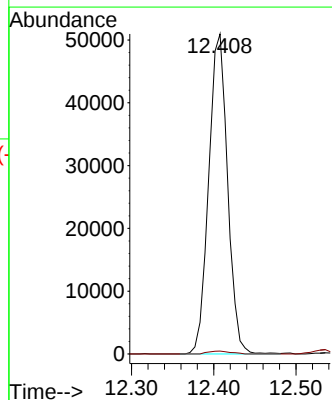
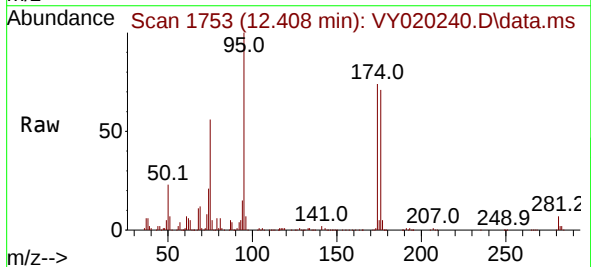
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

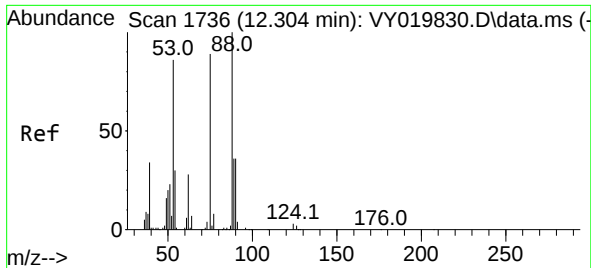
Tgt Ion:152 Resp: 111959  
 Ion Ratio Lower Upper  
 152 100  
 115 63.8 28.2 84.7  
 150 159.5 0.0 345.6



#76  
 1,2,3-Trichloropropane  
 Concen: 77.400 ug/l  
 RT: 12.408 min Scan# 1753  
 Delta R.T. -0.152 min  
 Lab File: VY020240.D  
 Acq: 11 Nov 2024 11:39

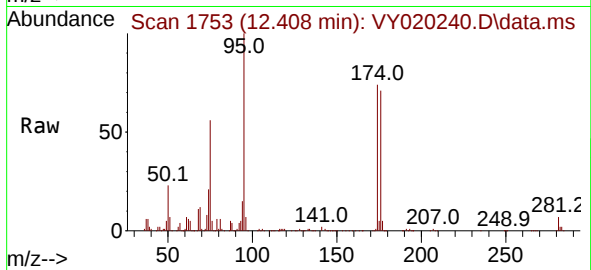
Tgt Ion: 75 Resp: 81231  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 0.0 0.0#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 166.484 ug/l  
RT: 12.408 min Scan# 11  
Delta R.T. 0.104 min  
Lab File: VY020240.D  
Acq: 11 Nov 2024 11:39

Instrument :  
MSVOA\_Y  
ClientSampleId :



| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 75      | 100   |       |        |
| 53      | 0.0   | 66.8  | 100.2# |
| 89      | 0.3   | 35.8  | 53.6#  |

