

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102422\  
 Data File : VY011072.D  
 Acq On : 24 Oct 2022 16:21  
 Operator : KP/MD  
 Sample : N5253-01  
 Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 164718

Quant Time: Oct 25 05:47:08 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y101722S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 18 01:42:42 2022  
 Response via : Initial Calibration

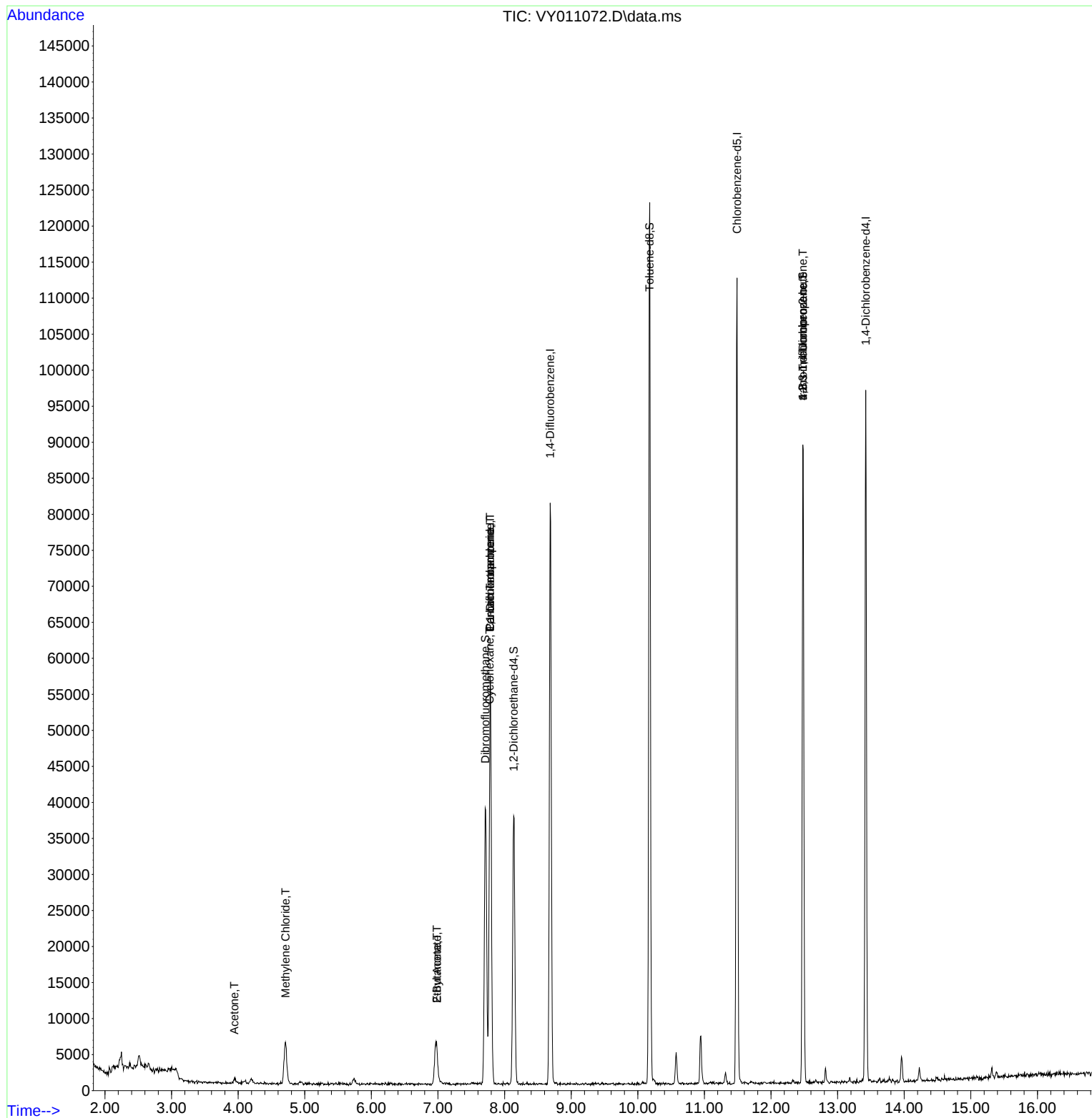
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.783  | 168   | 45033    | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685  | 114   | 72247    | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 65181    | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422 | 152   | 25489    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.136  | 65    | 29470    | 71.043    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 142.080% |          |
| 35) Dibromofluoromethane      | 7.710  | 113   | 28279    | 71.130    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 142.260% |          |
| 50) Toluene-d8                | 10.179 | 98    | 85103    | 56.415    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 112.820% |          |
| 62) 4-Bromofluorobenzene      | 12.477 | 95    | 26218    | 49.003    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 98.000%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.936  | 59    | 510      | Below Cal | #          | 77       |
| 16) Acetone                   | 3.942  | 43    | 1132     | 9.397     | ug/l #     | 82       |
| 18) Methyl Acetate            | 4.192  | 43    | 232      | Below Cal | #          | 56       |
| 20) Methylene Chloride        | 4.710  | 84    | 4647     | 2.901     | ug/l #     | 76       |
| 25) 2-Butanone                | 6.984  | 43    | 579      | 3.169     | ug/l #     | 54       |
| 31) Cyclohexane               | 7.777  | 56    | 876      | 1.104     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.783  | 75    | 3478     | 5.171     | ug/l #     | 47       |
| 37) Ethyl Acetate             | 6.984  | 43    | 579      | 1.555     | ug/l #     | 30       |
| 38) Carbon Tetrachloride      | 7.783  | 117   | 4187     | 6.031     | ug/l #     | 15       |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75    | 13106    | 45.290    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75    | 13106    | 97.405    | ug/l #     | 7        |
| -----                         |        |       |          |           |            |          |

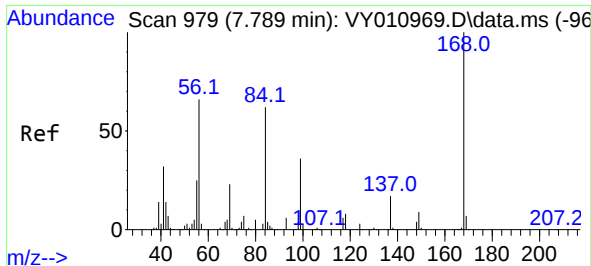
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102422\  
Data File : VY011072.D  
Acq On : 24 Oct 2022 16:21  
Operator : KP/MD  
Sample : N5253-01  
Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
164718

Quant Time: Oct 25 05:47:08 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y101722S.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 18 01:42:42 2022  
Response via : Initial Calibration

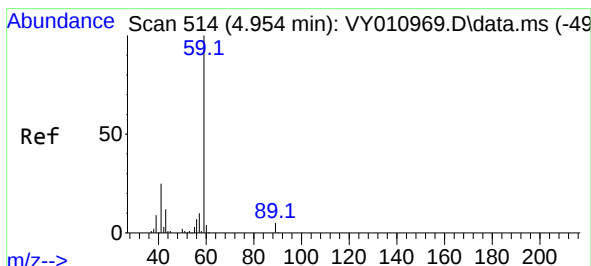
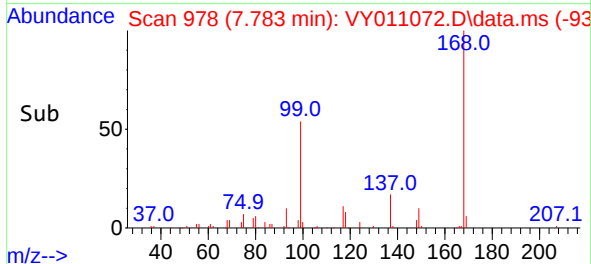
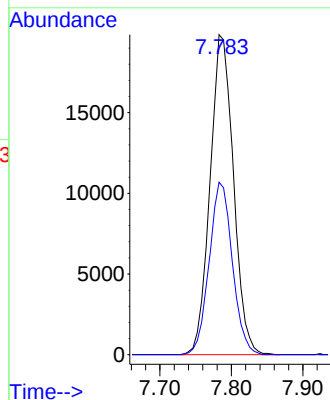
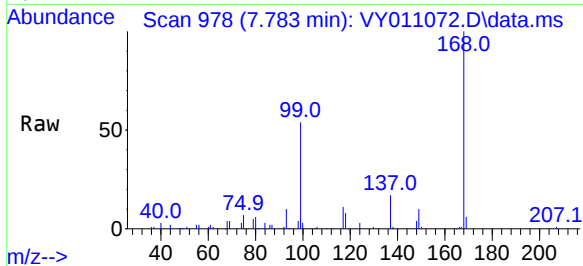




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY011072.D  
Acq: 24 Oct 2022 16:21

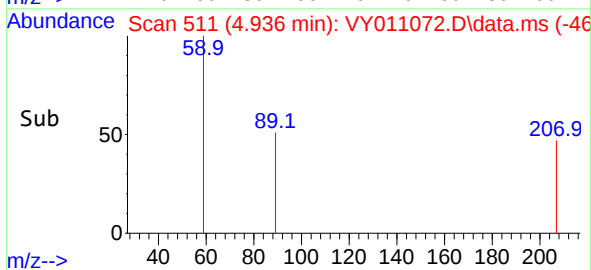
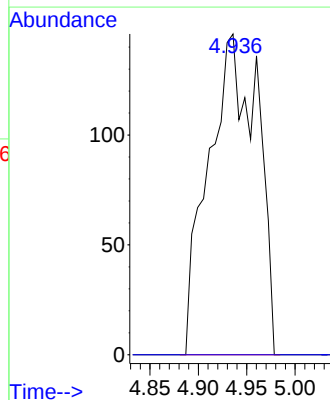
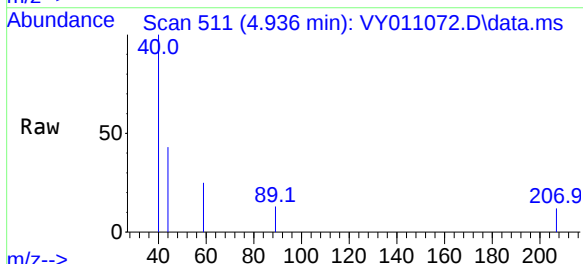
Instrument :  
MSVOA\_Y  
ClientSampleId :  
164718

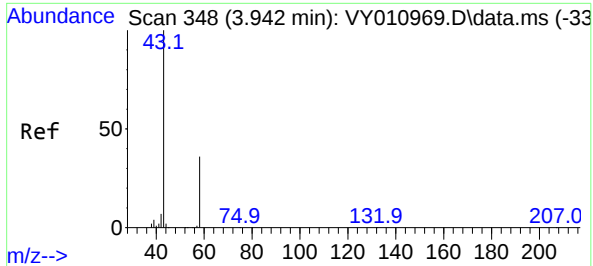
Tgt Ion:168 Resp: 45033  
Ion Ratio Lower Upper  
168 100  
99 53.9 46.9 70.3



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.936 min Scan# 511  
Delta R.T. -0.018 min  
Lab File: VY011072.D  
Acq: 24 Oct 2022 16:21

Tgt Ion: 59 Resp: 510  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.4 9.6#

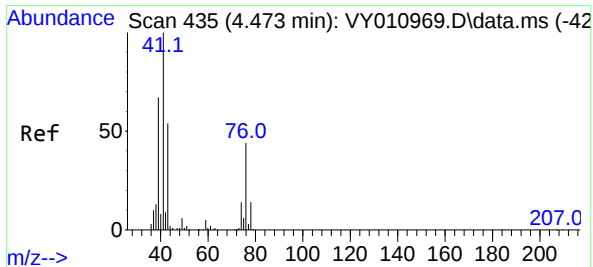
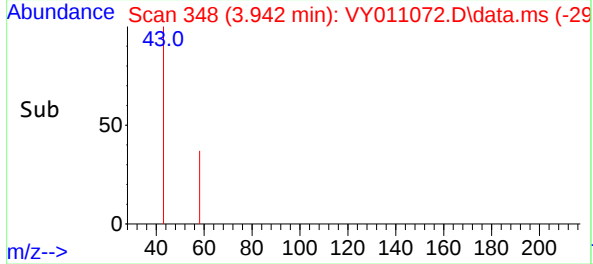
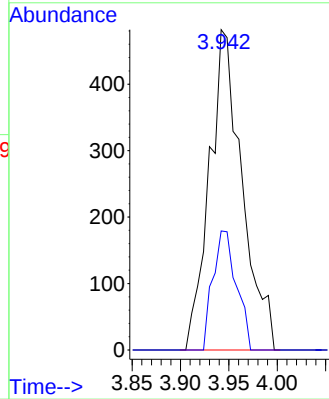
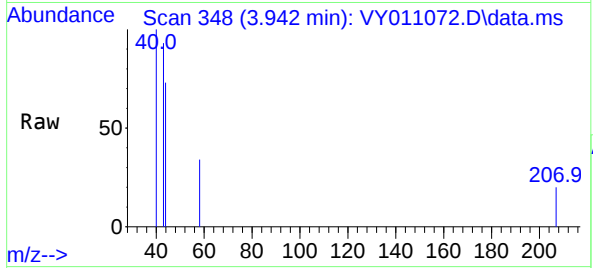




#16  
Acetone  
Concen: 9.397 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. 0.000 min  
Lab File: VY011072.D  
Acq: 24 Oct 2022 16:21

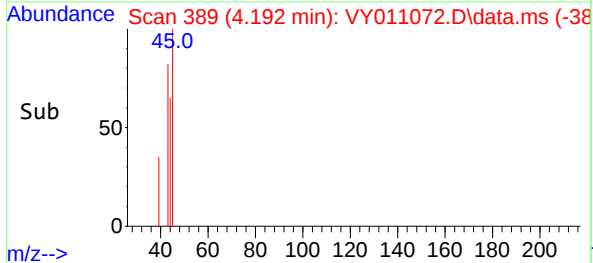
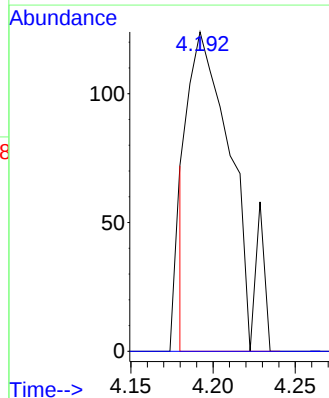
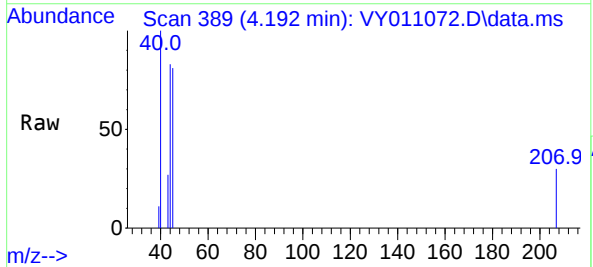
Instrument :  
MSVOA\_Y  
ClientSampleId :  
164718

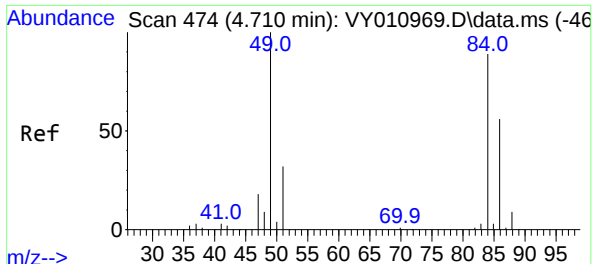
Tgt Ion: 43 Resp: 1132  
Ion Ratio Lower Upper  
43 100  
58 37.1 22.0 33.0#



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.192 min Scan# 389  
Delta R.T. -0.281 min  
Lab File: VY011072.D  
Acq: 24 Oct 2022 16:21

Tgt Ion: 43 Resp: 232  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.6 24.8#



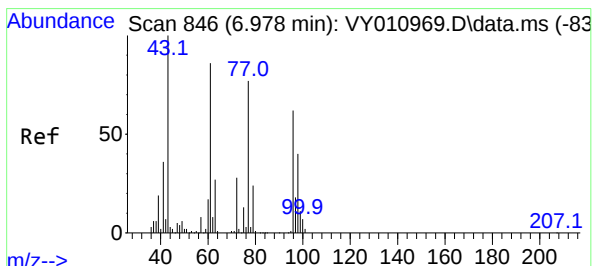
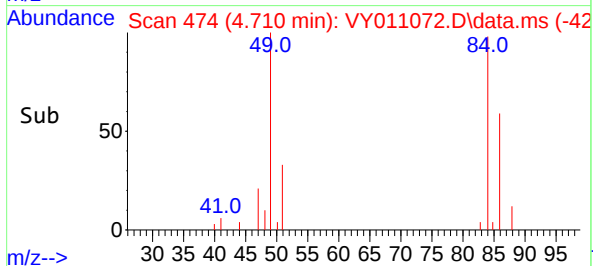
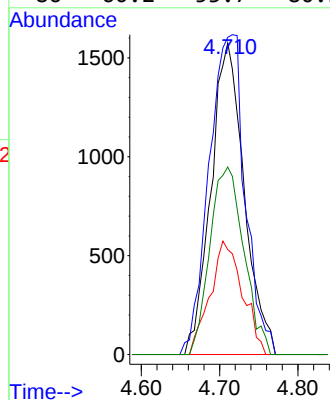
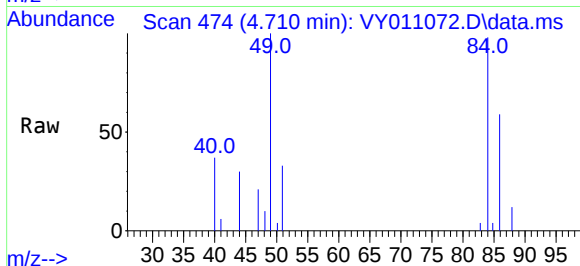


#20  
Methylene Chloride  
Concen: 2.901 ug/l  
RT: 4.710 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY011072.D  
Acq: 24 Oct 2022 16:21

Instrument :  
MSVOA\_Y  
ClientSampleId :  
164718

Tgt Ion: 84 Resp: 4647

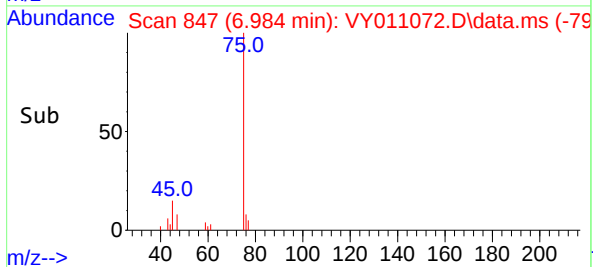
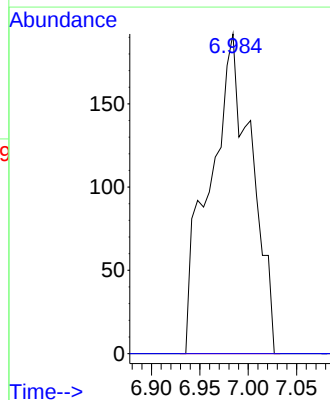
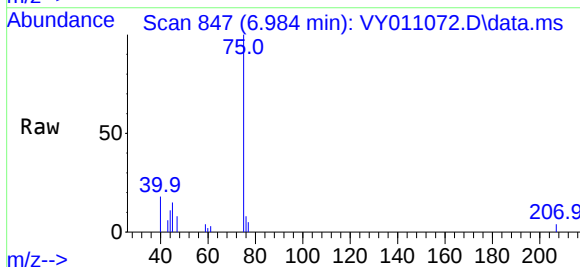
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 84  | 100   |       |        |
| 49  | 101.8 | 114.4 | 171.6# |
| 51  | 33.7  | 35.3  | 52.9#  |
| 86  | 60.2  | 53.7  | 80.5   |

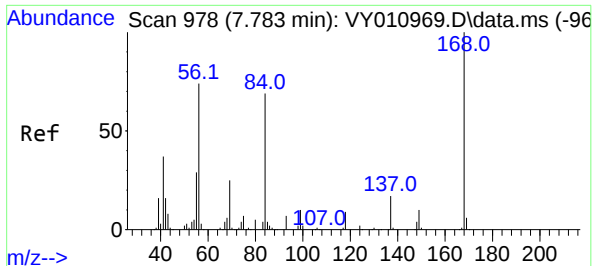


#25  
2-Butanone  
Concen: 3.169 ug/l  
RT: 6.984 min Scan# 847  
Delta R.T. 0.006 min  
Lab File: VY011072.D  
Acq: 24 Oct 2022 16:21

Tgt Ion: 43 Resp: 579

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 0.0   | 17.7  | 26.5# |

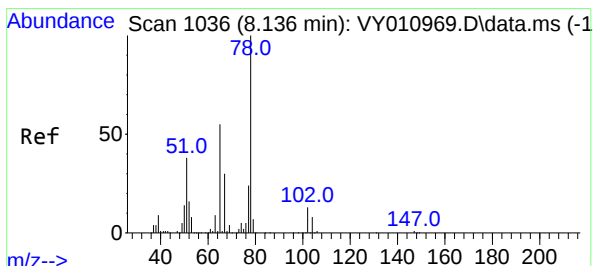
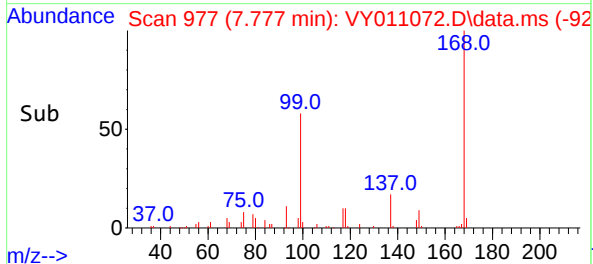
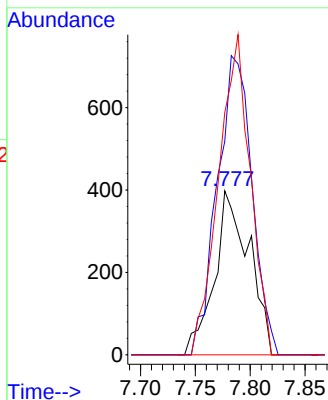
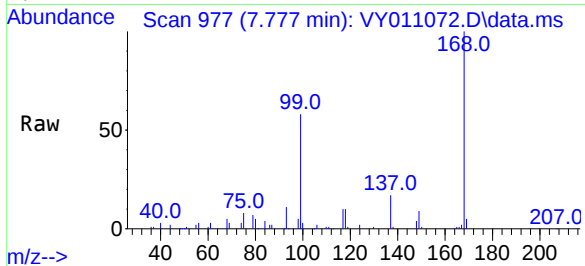




#31  
Cyclohexane  
Concen: 1.104 ug/l  
RT: 7.777 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY011072.D  
Acq: 24 Oct 2022 16:21

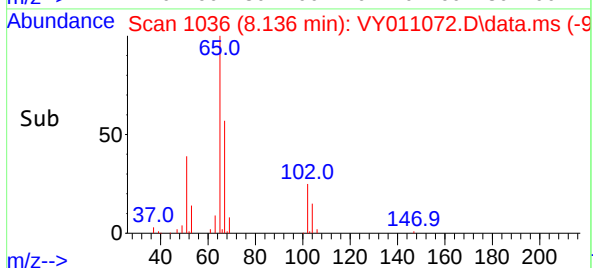
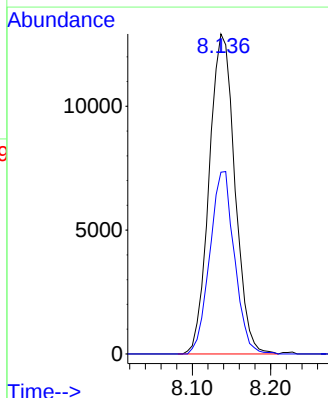
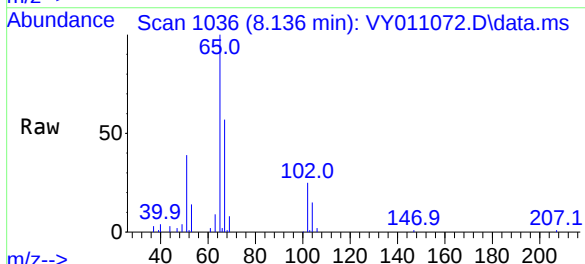
Instrument :  
MSVOA\_Y  
ClientSampleId :  
164718

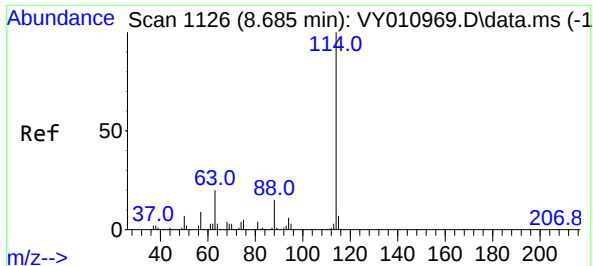
Tgt Ion: 56 Resp: 876  
Ion Ratio Lower Upper  
56 100  
69 130.2 26.7 40.1#  
84 147.7 67.2 100.8#



#33  
1,2-Dichloroethane-d4  
Concen: 71.043 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY011072.D  
Acq: 24 Oct 2022 16:21

Tgt Ion: 65 Resp: 29470  
Ion Ratio Lower Upper  
65 100  
67 54.8 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY011072.D

Acq: 24 Oct 2022 16:21

Instrument :

MSVOA\_Y

ClientSampleId :

164718

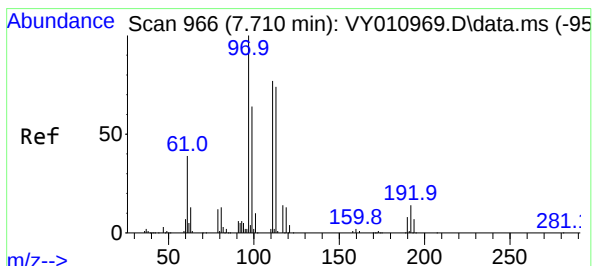
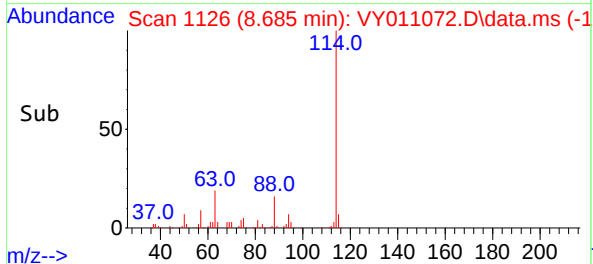
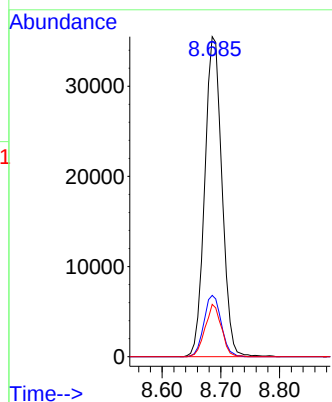
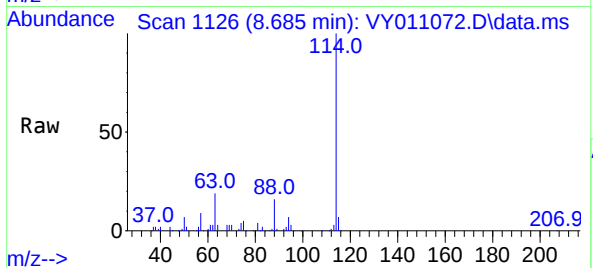
Tgt Ion:114 Resp: 72247

Ion Ratio Lower Upper

114 100

63 19.1 0.0 43.2

88 16.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 71.130 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY011072.D

Acq: 24 Oct 2022 16:21

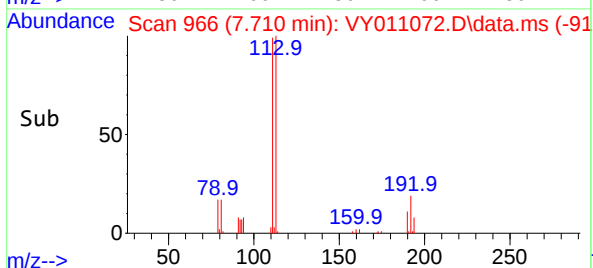
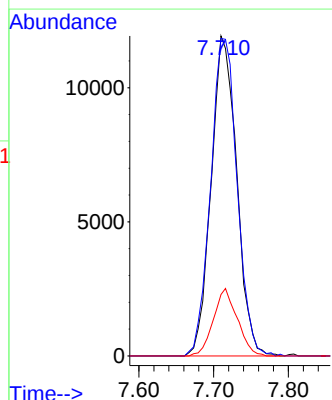
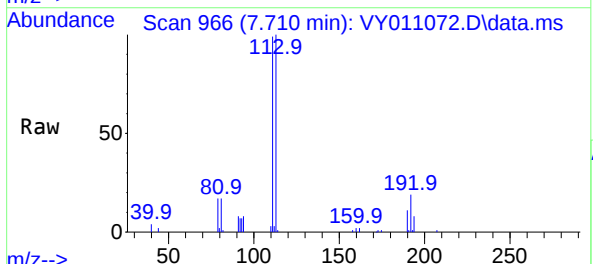
Tgt Ion:113 Resp: 28279

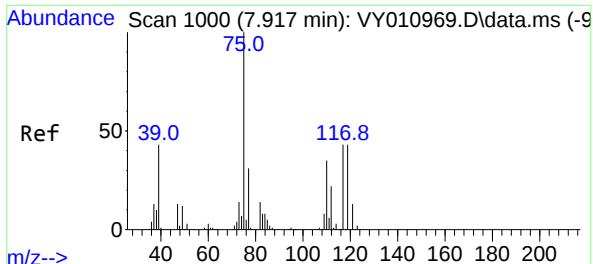
Ion Ratio Lower Upper

113 100

111 103.1 82.6 124.0

192 19.8 17.6 26.4





#36

1,1-Dichloropropene

Concen: 5.171 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY011072.D

Acq: 24 Oct 2022 16:21

Instrument :

MSVOA\_Y

ClientSampleId :

164718

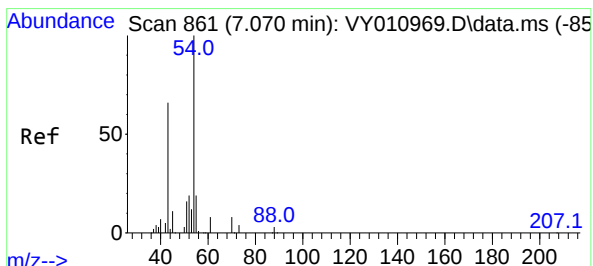
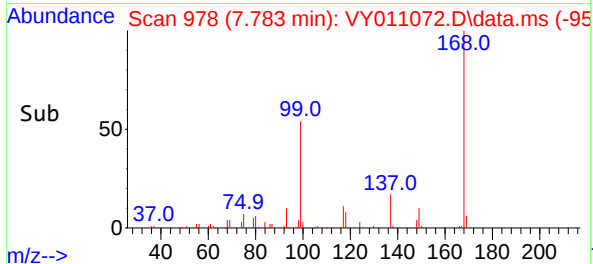
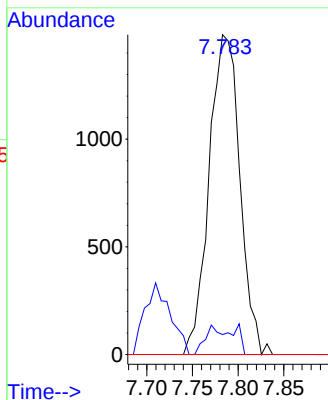
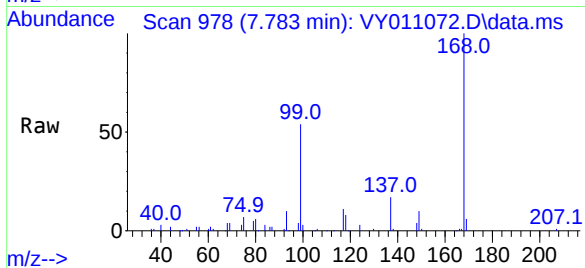
Tgt Ion: 75 Resp: 3478

Ion Ratio Lower Upper

75 100

110 4.8 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.555 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.086 min

Lab File: VY011072.D

Acq: 24 Oct 2022 16:21

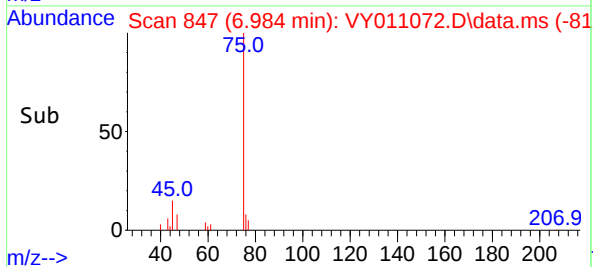
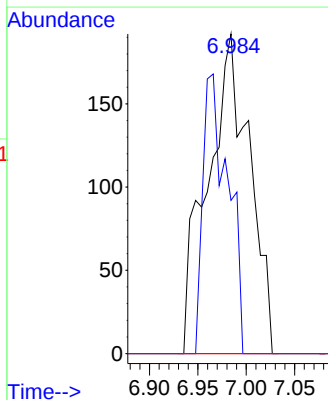
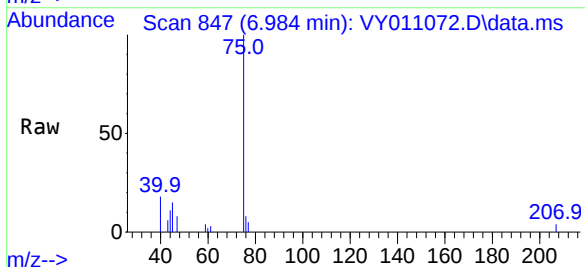
Tgt Ion: 43 Resp: 579

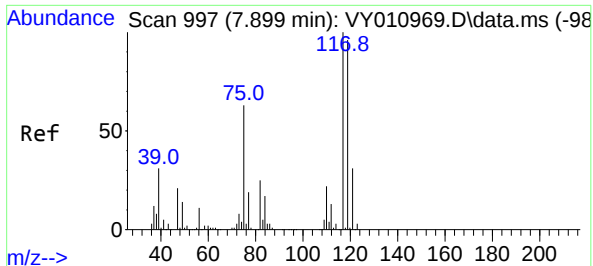
Ion Ratio Lower Upper

43 100

61 52.2 9.7 14.5#

70 0.0 7.1 10.7#

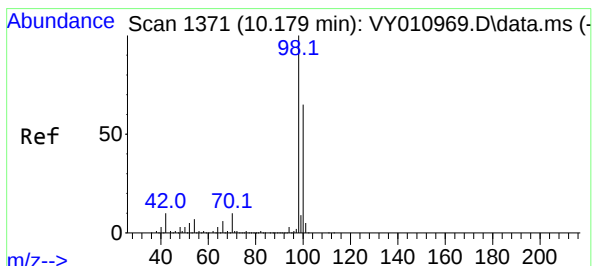
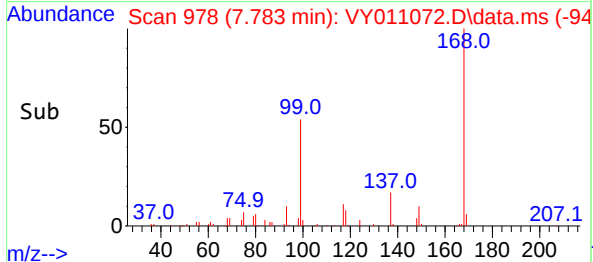
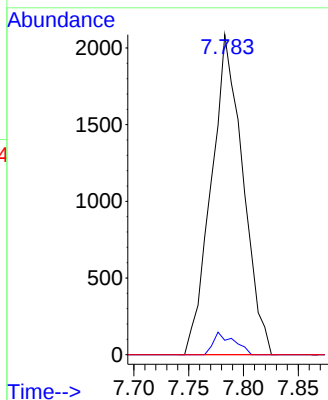
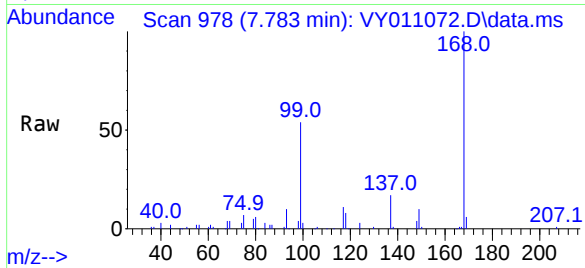




#38  
Carbon Tetrachloride  
Concen: 6.031 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.116 min  
Lab File: VY011072.D  
Acq: 24 Oct 2022 16:21

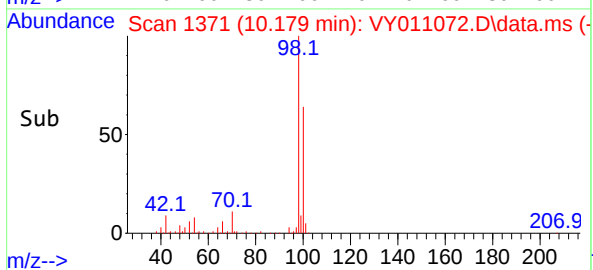
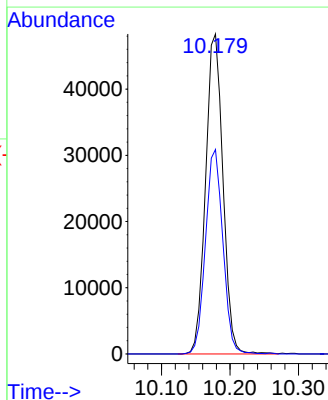
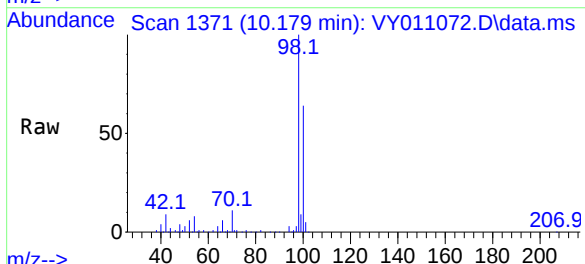
Instrument :  
MSVOA\_Y  
ClientSampleId :  
164718

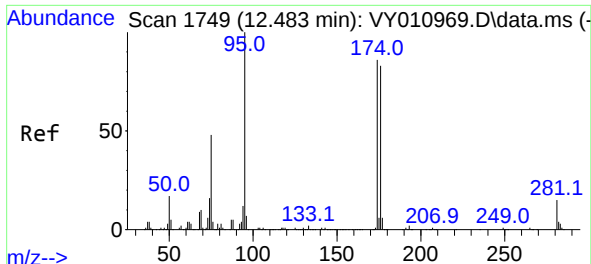
Tgt Ion:117 Resp: 4187  
Ion Ratio Lower Upper  
117 100  
119 4.5 77.9 116.9#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 56.415 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY011072.D  
Acq: 24 Oct 2022 16:21

Tgt Ion: 98 Resp: 85103  
Ion Ratio Lower Upper  
98 100  
100 64.0 50.2 75.2

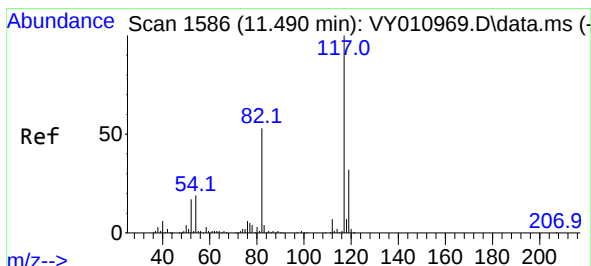
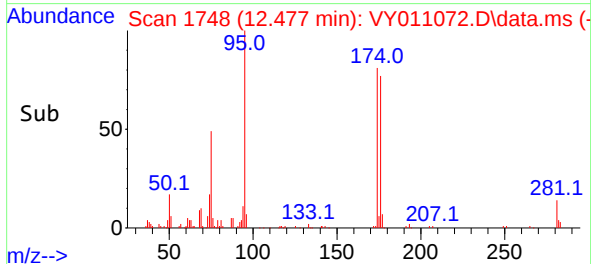
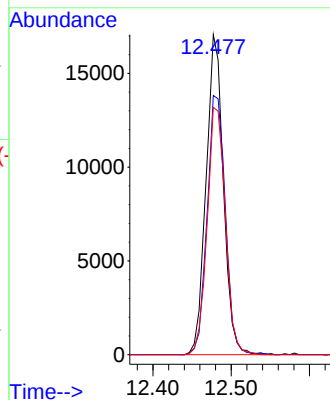
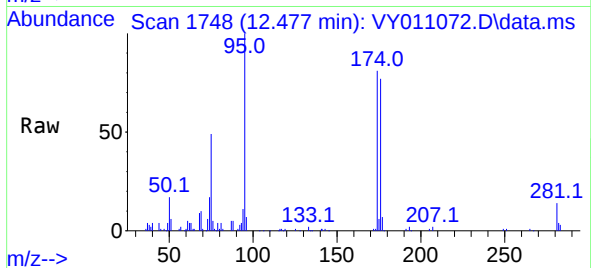




#62  
4-Bromofluorobenzene  
Concen: 49.003 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY011072.D  
Acq: 24 Oct 2022 16:21

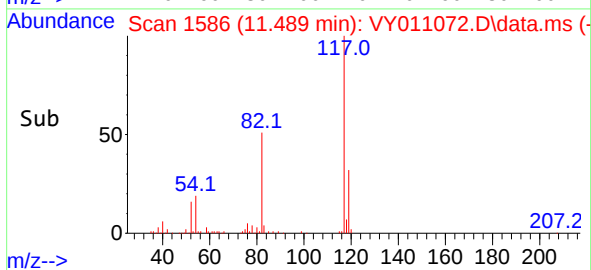
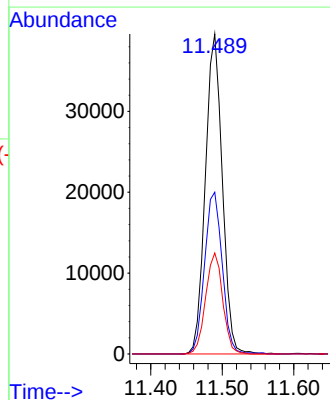
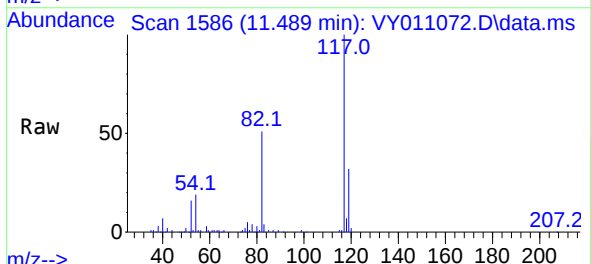
Instrument :  
MSVOA\_Y  
ClientSampleId :  
164718

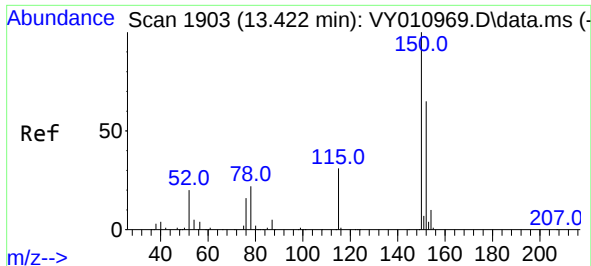
Tgt Ion: 95 Resp: 26218  
Ion Ratio Lower Upper  
95 100  
174 85.3 0.0 177.0  
176 81.2 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.001 min  
Lab File: VY011072.D  
Acq: 24 Oct 2022 16:21

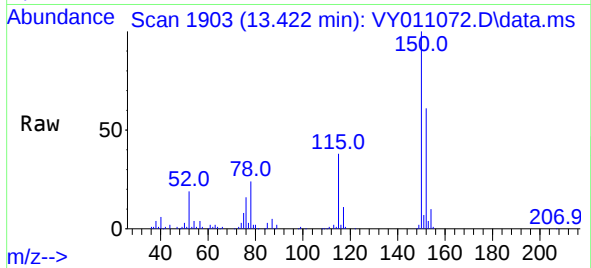
Tgt Ion: 117 Resp: 65181  
Ion Ratio Lower Upper  
117 100  
82 50.6 43.0 64.4  
119 31.5 25.4 38.0



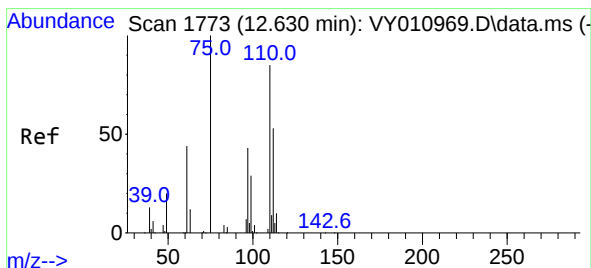
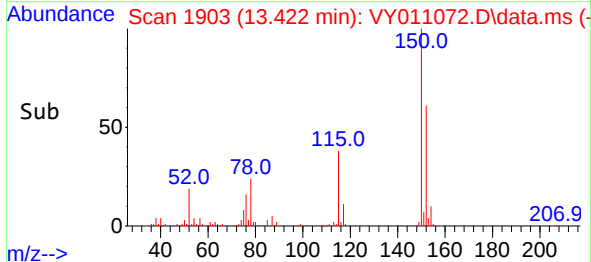
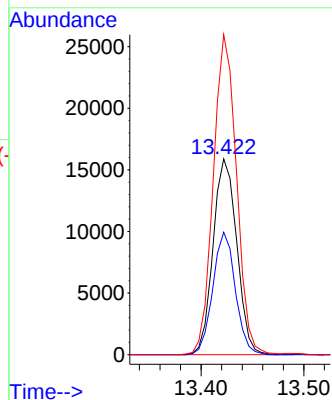


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.422 min Scan# 1903  
 Delta R.T. 0.000 min  
 Lab File: VY011072.D  
 Acq: 24 Oct 2022 16:21

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 164718

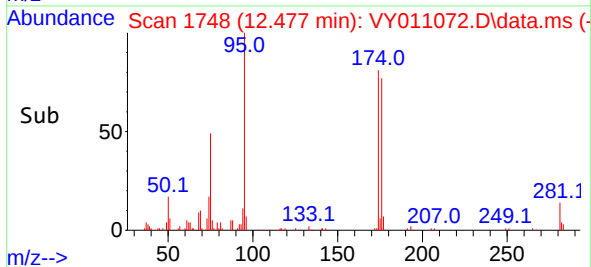
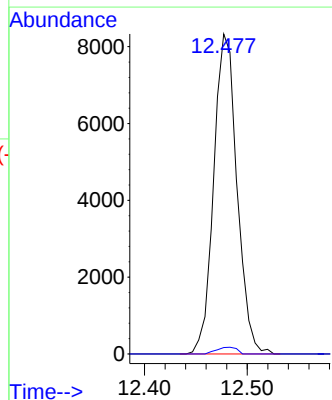
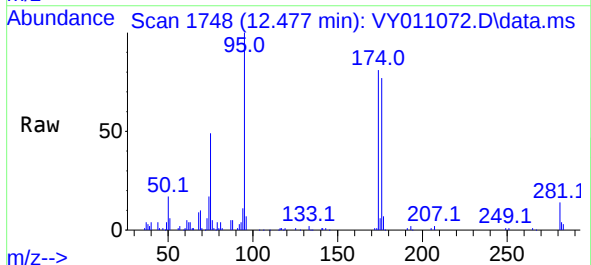


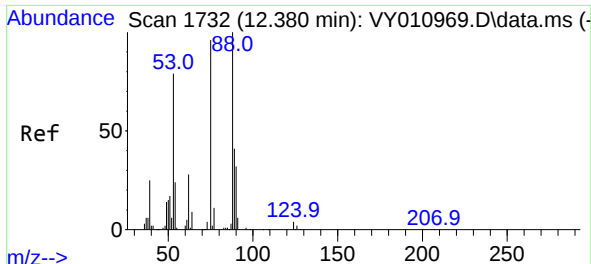
Tgt Ion:152 Resp: 25489  
 Ion Ratio Lower Upper  
 152 100  
 115 59.4 28.2 84.7  
 150 159.8 0.0 347.6



#76  
 1,2,3-Trichloropropane  
 Concen: 45.290 ug/l  
 RT: 12.477 min Scan# 1748  
 Delta R.T. -0.153 min  
 Lab File: VY011072.D  
 Acq: 24 Oct 2022 16:21

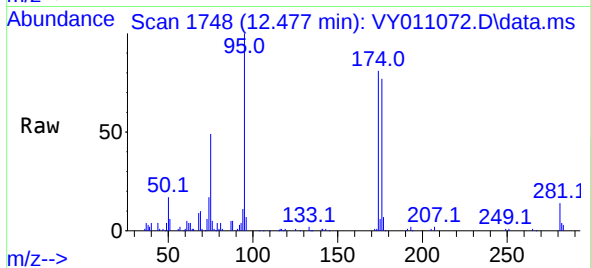
Tgt Ion: 75 Resp: 13106  
 Ion Ratio Lower Upper  
 75 100  
 77 1.8 0.0 0.0#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 97.405 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. 0.097 min  
Lab File: VY011072.D  
Acq: 24 Oct 2022 16:21

Instrument :  
MSVOA\_Y  
ClientSampleId :  
164718



Tgt Ion: 75 Resp: 13106  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.3 127.9#  
89 0.0 37.0 55.4#

