

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY030623\  
 Data File : VY012813.D  
 Acq On : 06 Mar 2023 11:19  
 Operator : KP/MD  
 Sample : VY0306SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0306SBL01

Quant Time: Mar 06 14:13:36 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030223S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 03 01:13:13 2023  
 Response via : Initial Calibration

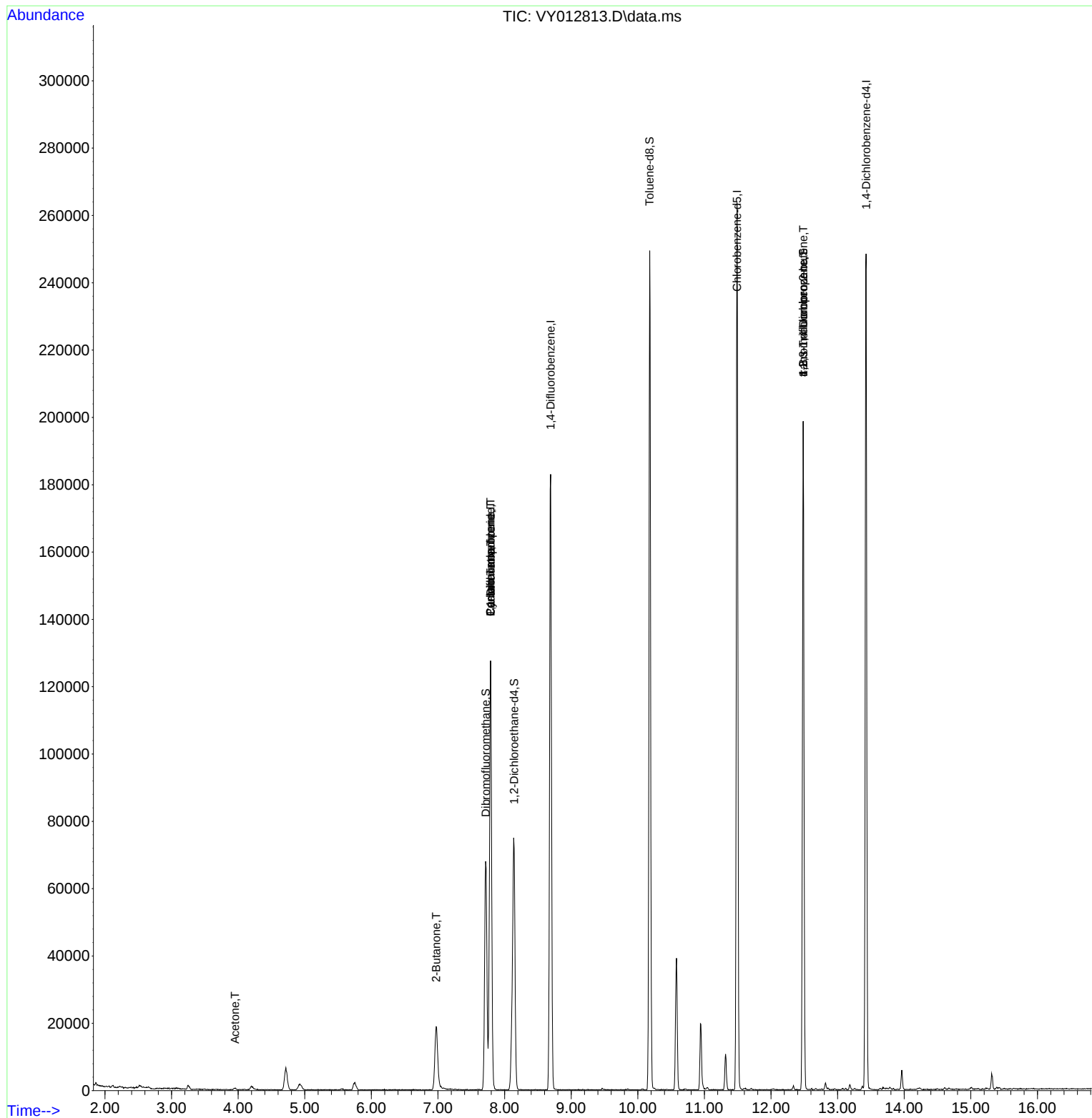
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.789     | 168   | 99141    | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691     | 114   | 159235   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.489    | 117   | 142146   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428    | 152   | 66686    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.142     | 65    | 50365    | 51.166    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 102.340% |          |
| 35) Dibromofluoromethane      | 7.716     | 113   | 48985    | 50.974    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 101.940% |          |
| 50) Toluene-d8                | 10.179    | 98    | 160569   | 45.705    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery  | = 91.420%  |          |
| 62) 4-Bromofluorobenzene      | 12.483    | 95    | 52821    | 44.546    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery  | = 89.100%  |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.911     | 59    | 1932     | Below Cal | #          | 74       |
| 16) Acetone                   | 3.954     | 43    | 750      | 1.941     | ug/l       | 100      |
| 20) Methylene Chloride        | 4.710     | 84    | 4584     | Below Cal |            | 88       |
| 25) 2-Butanone                | 6.972     | 43    | 1097     | 2.292     | ug/l       | # 78     |
| 31) Cyclohexane               | 7.789     | 56    | 2089     | 1.108     | ug/l       | # 1      |
| 36) 1,1-Dichloropropene       | 7.789     | 75    | 7214     | 4.480     | ug/l       | # 50     |
| 38) Carbon Tetrachloride      | 7.789     | 117   | 9450     | 5.683     | ug/l       | # 17     |
| 76) 1,2,3-Trichloropropane    | 12.483    | 75    | 27363    | 34.361    | ug/l       | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.483    | 75    | 27363    | 71.197    | ug/l       | # 13     |
| -----                         |           |       |          |           |            |          |

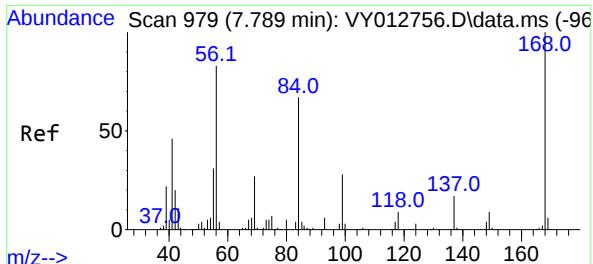
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY030623\  
Data File : VY012813.D  
Acq On : 06 Mar 2023 11:19  
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Sample : VY0306SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0306SBL01

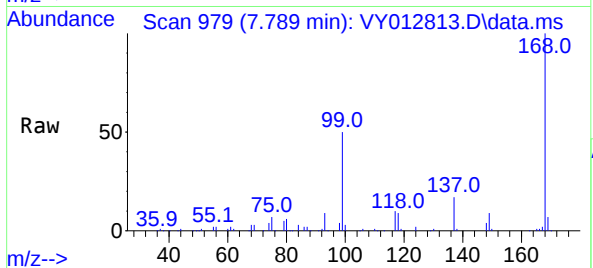
Quant Time: Mar 06 14:13:36 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030223S.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 03 01:13:13 2023  
Response via : Initial Calibration



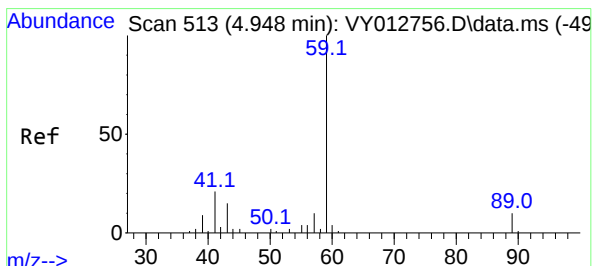
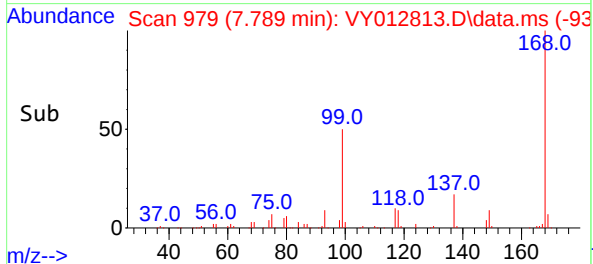
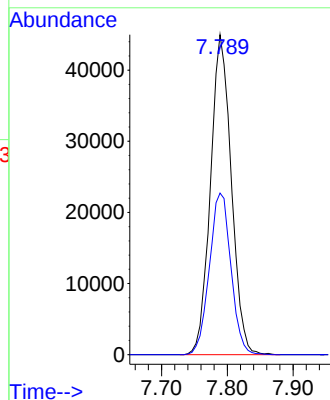


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY012813.D  
Acq: 06 Mar 2023 11:19

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0306SBL01

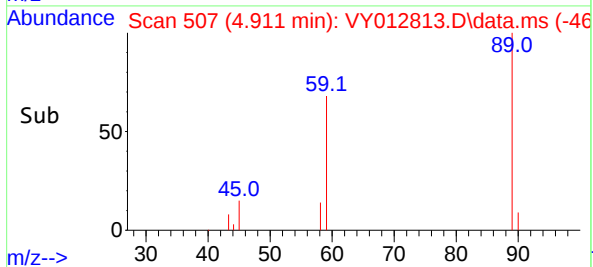
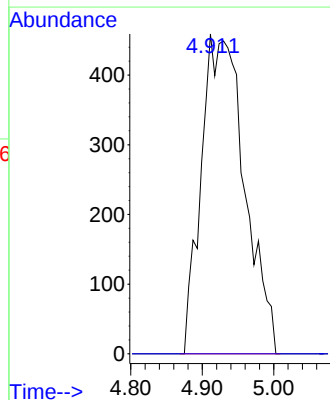
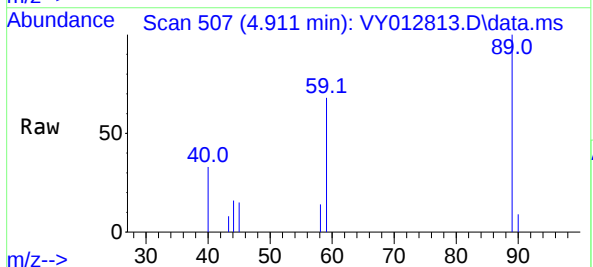


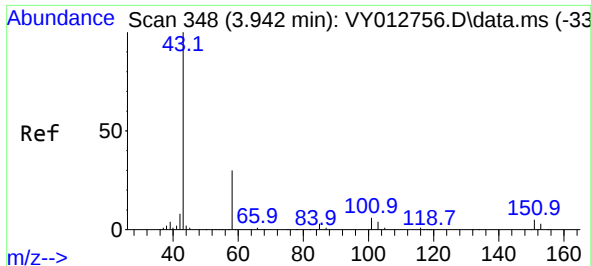
Tgt Ion:168 Resp: 99141  
Ion Ratio Lower Upper  
168 100  
99 50.5 41.7 62.5



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.911 min Scan# 507  
Delta R.T. -0.037 min  
Lab File: VY012813.D  
Acq: 06 Mar 2023 11:19

Tgt Ion: 59 Resp: 1932  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.7 11.5#





#16

Acetone

Concen: 1.941 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.012 min

Lab File: VY012813.D

Acq: 06 Mar 2023 11:19

Instrument :

MSVOA\_Y

ClientSampleId :

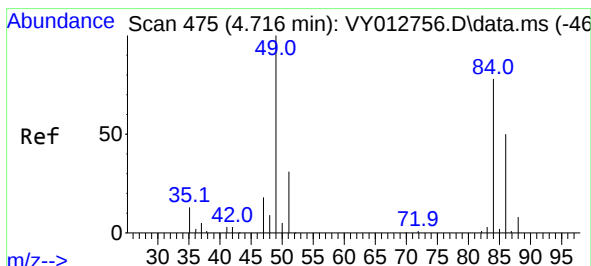
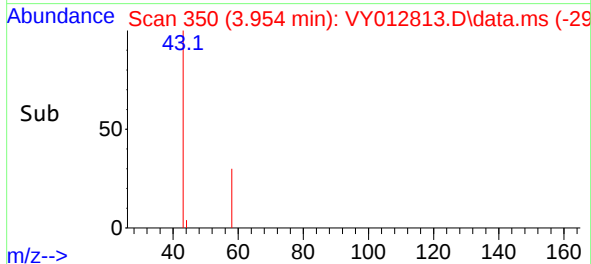
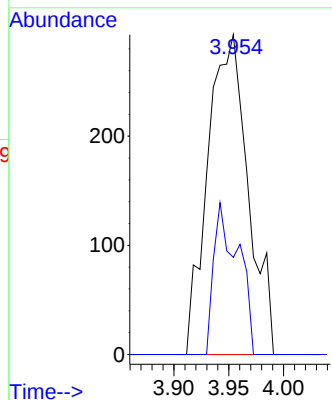
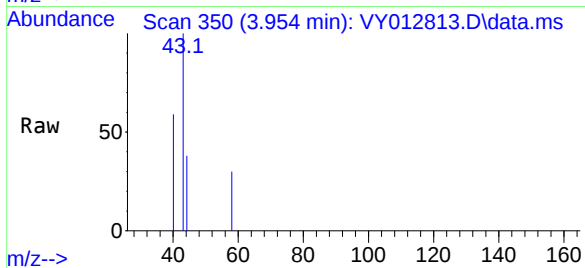
VY0306SBL01

Tgt Ion: 43 Resp: 750

Ion Ratio Lower Upper

43 100

58 30.4 24.2 36.2



#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY012813.D

Acq: 06 Mar 2023 11:19

Tgt Ion: 84 Resp: 4584

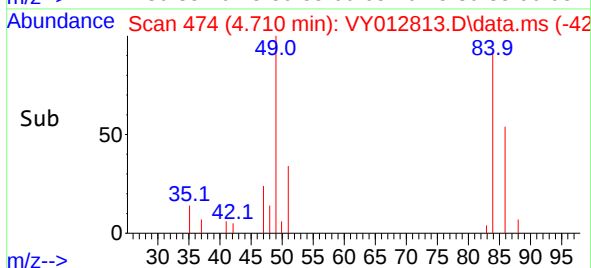
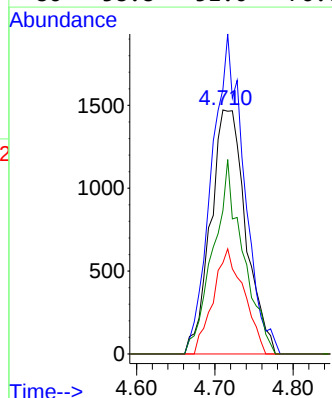
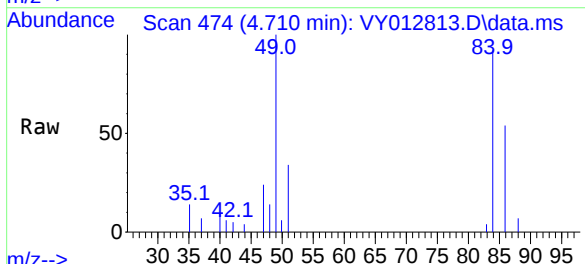
Ion Ratio Lower Upper

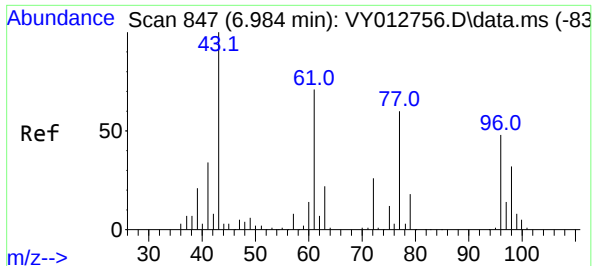
84 100

49 108.5 102.6 154.0

51 37.4 31.9 47.9

86 58.8 51.0 76.6





#25

2-Butanone

Concen: 2.292 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY012813.D

Acq: 06 Mar 2023 11:19

Instrument :

MSVOA\_Y

ClientSampleId :

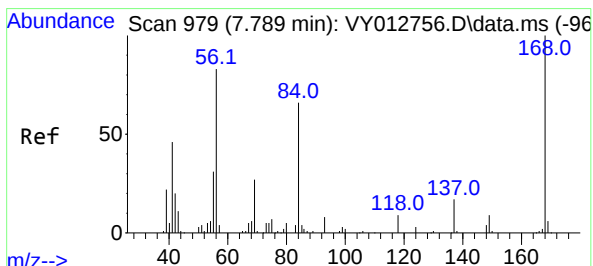
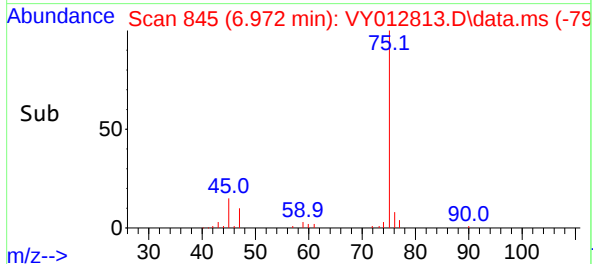
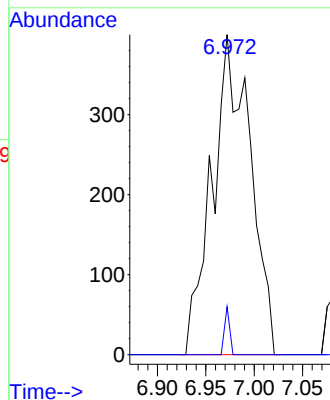
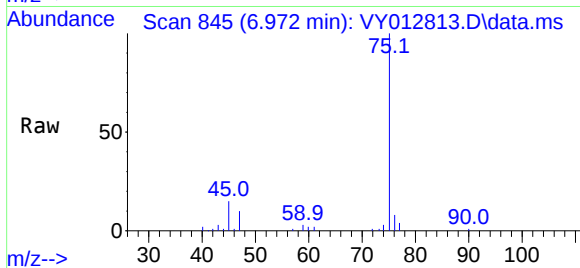
VY0306SBL01

Tgt Ion: 43 Resp: 1097

Ion Ratio Lower Upper

43 100

72 15.0 21.0 31.4#



#31

Cyclohexane

Concen: 1.108 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.000 min

Lab File: VY012813.D

Acq: 06 Mar 2023 11:19

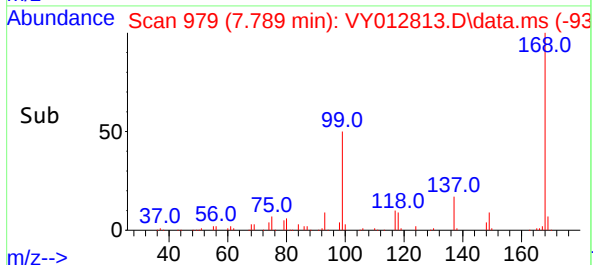
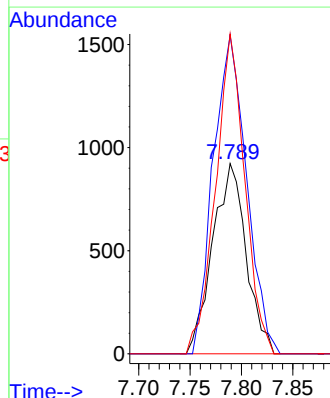
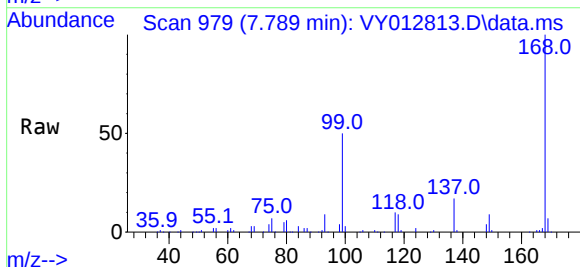
Tgt Ion: 56 Resp: 2089

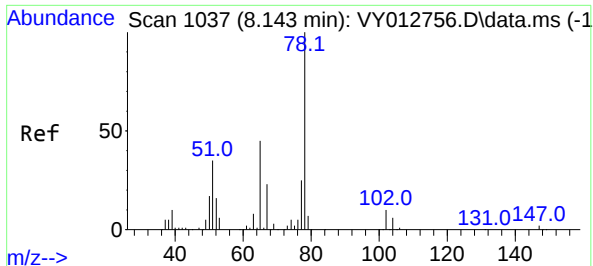
Ion Ratio Lower Upper

56 100

69 167.4 25.7 38.5#

84 168.0 64.3 96.5#

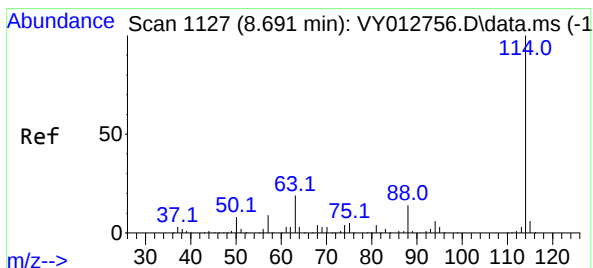
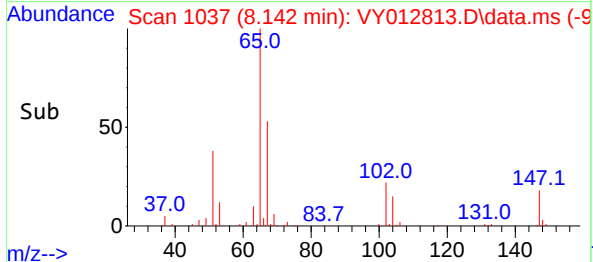
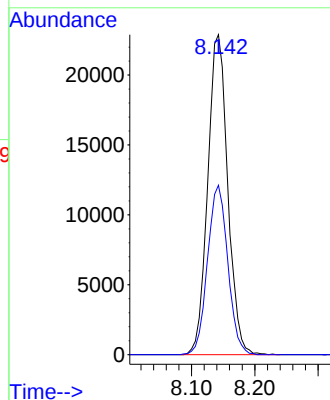
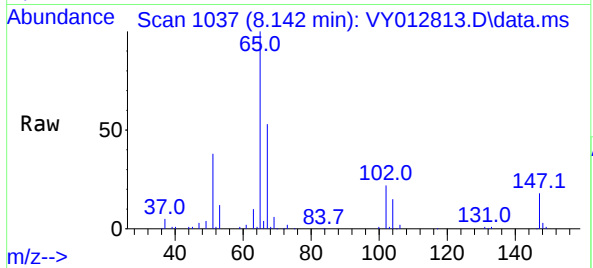




#33  
1,2-Dichloroethane-d4  
Concen: 51.166 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. -0.001 min  
Lab File: VY012813.D  
Acq: 06 Mar 2023 11:19

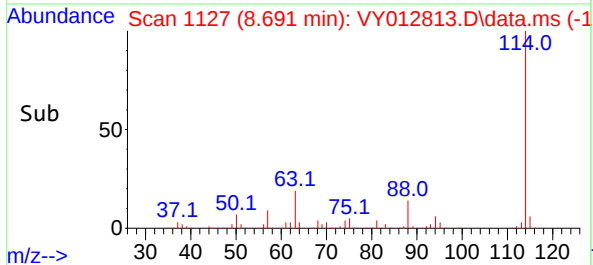
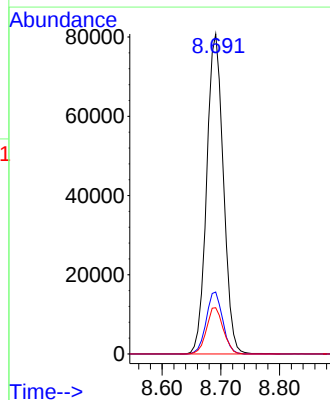
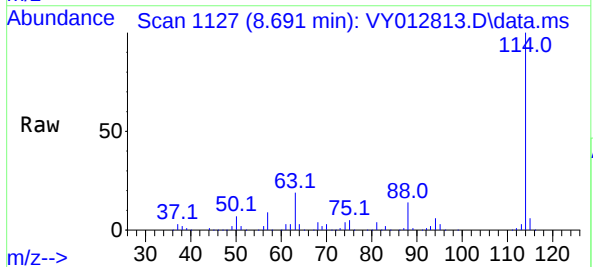
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0306SBL01

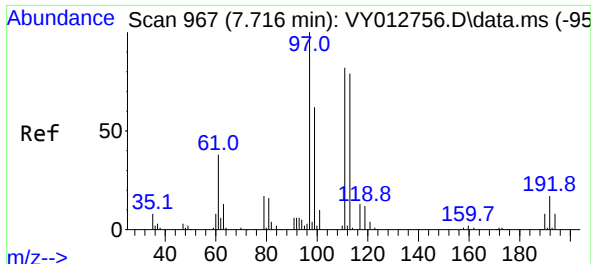
Tgt Ion: 65 Resp: 50365  
Ion Ratio Lower Upper  
65 100  
67 53.7 0.0 104.0



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. -0.000 min  
Lab File: VY012813.D  
Acq: 06 Mar 2023 11:19

Tgt Ion: 114 Resp: 159235  
Ion Ratio Lower Upper  
114 100  
63 19.4 0.0 37.4  
88 14.4 0.0 28.6

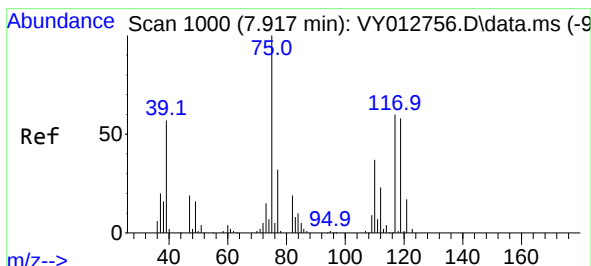
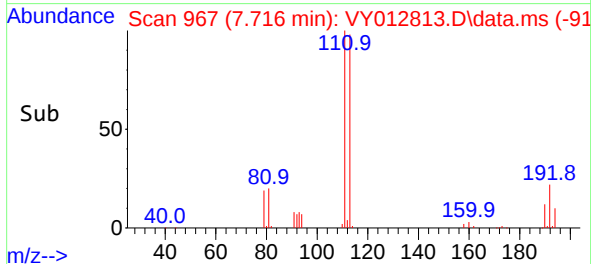
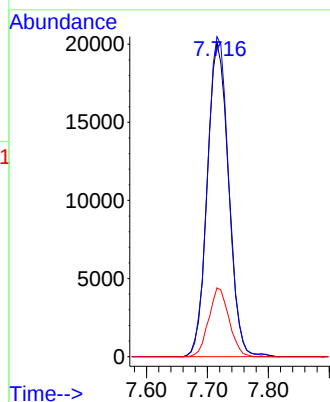
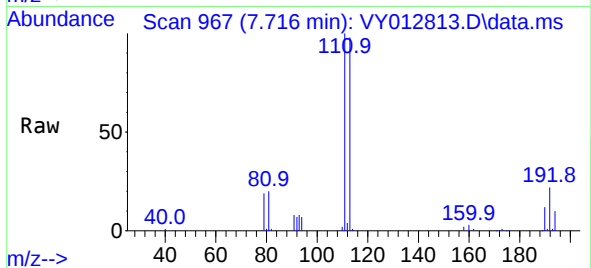




#35  
Dibromofluoromethane  
Concen: 50.974 ug/l  
RT: 7.716 min Scan# 911  
Delta R.T. -0.000 min  
Lab File: VY012813.D  
Acq: 06 Mar 2023 11:19

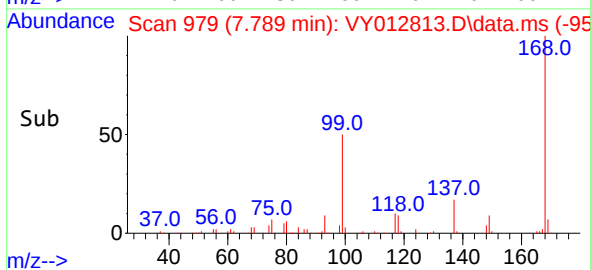
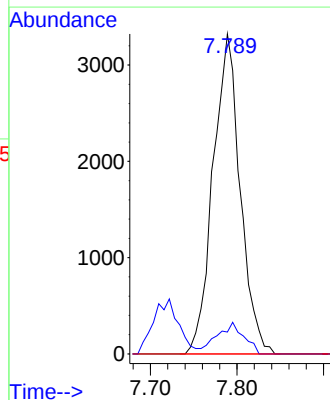
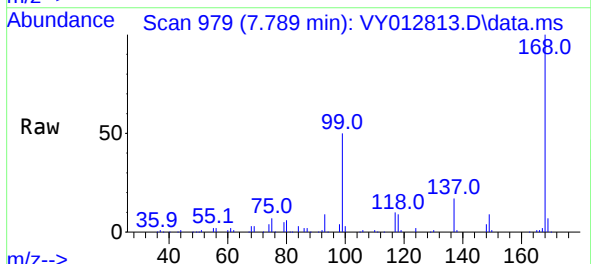
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0306SBL01

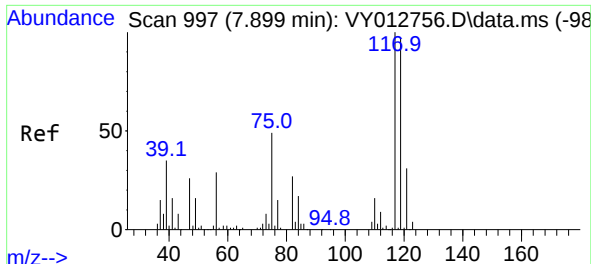
Tgt Ion:113 Resp: 48985  
Ion Ratio Lower Upper  
113 100  
111 101.5 82.2 123.2  
192 20.8 16.8 25.2



#36  
1,1-Dichloropropene  
Concen: 4.480 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.128 min  
Lab File: VY012813.D  
Acq: 06 Mar 2023 11:19

Tgt Ion: 75 Resp: 7214  
Ion Ratio Lower Upper  
75 100  
110 9.5 17.8 53.3#  
77 0.0 25.0 37.4#

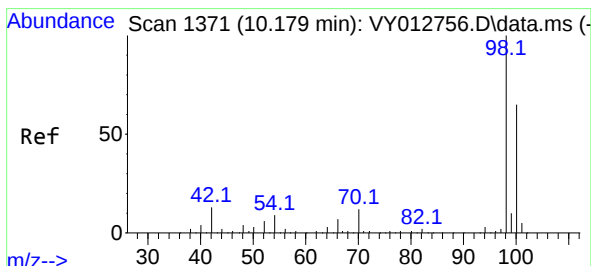
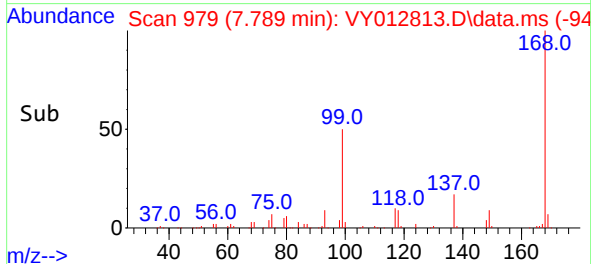
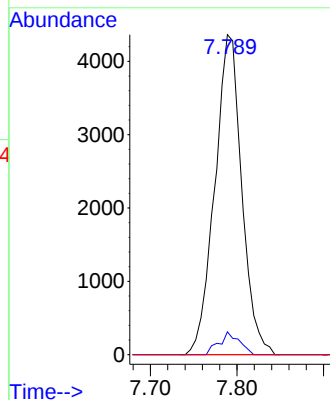
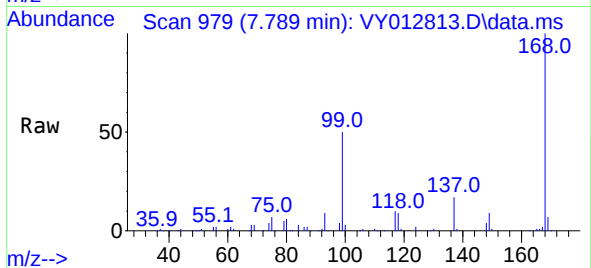




#38  
Carbon Tetrachloride  
Concen: 5.683 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY012813.D  
Acq: 06 Mar 2023 11:19

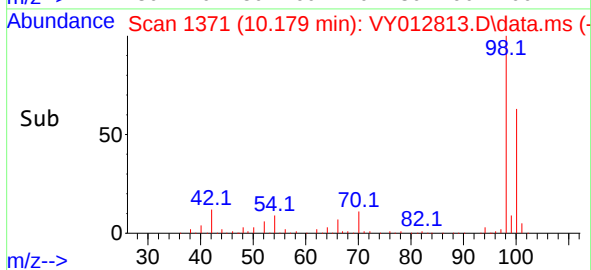
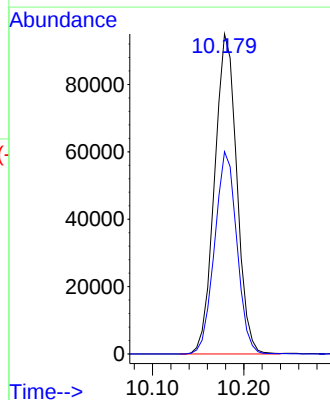
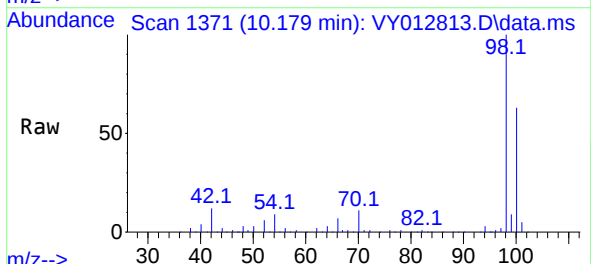
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0306SBL01

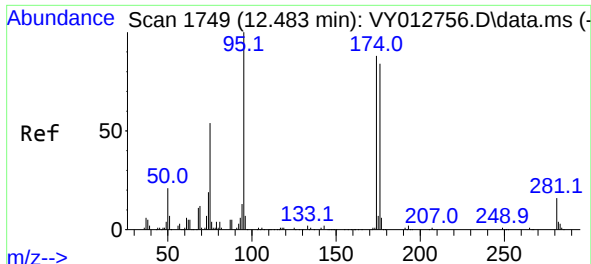
Tgt Ion:117 Resp: 9450  
Ion Ratio Lower Upper  
117 100  
119 7.2 77.2 115.8#  
121 0.0 24.7 37.1#



#50  
Toluene-d8  
Concen: 45.705 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY012813.D  
Acq: 06 Mar 2023 11:19

Tgt Ion: 98 Resp: 160569  
Ion Ratio Lower Upper  
98 100  
100 63.3 50.9 76.3



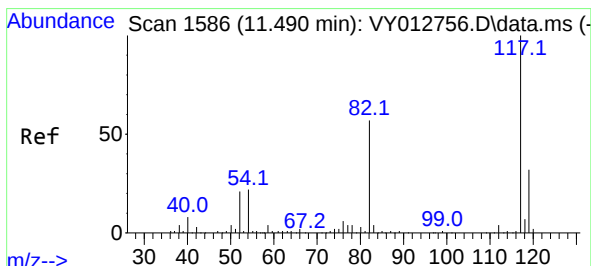
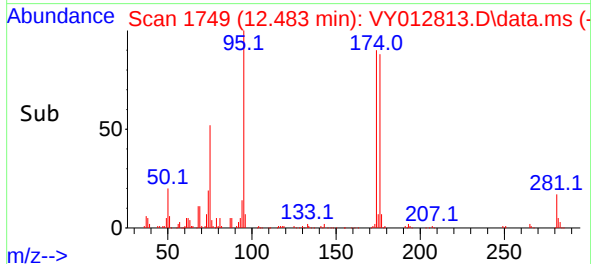
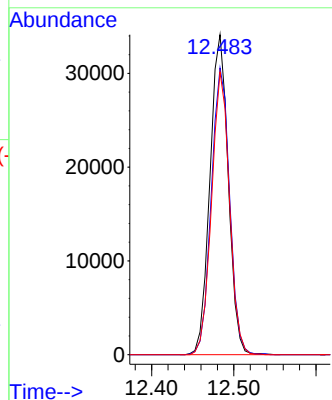
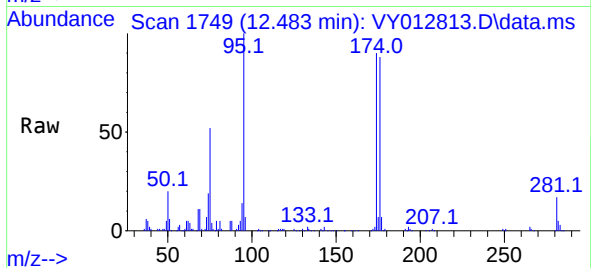


#62  
4-Bromofluorobenzene  
Concen: 44.546 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY012813.D  
Acq: 06 Mar 2023 11:19

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0306SBL01

Tgt Ion: 95 Resp: 52821

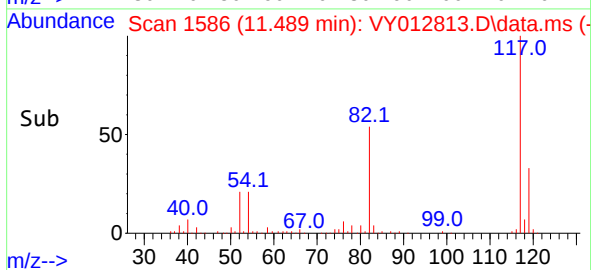
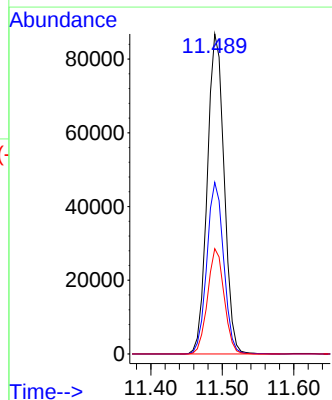
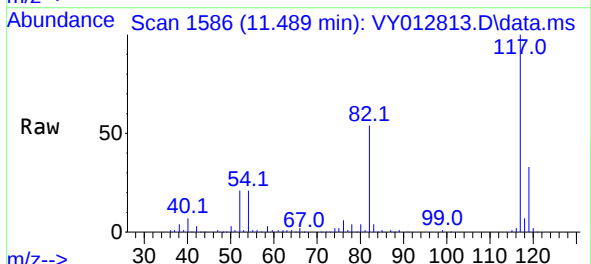
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 174 | 89.9  | 0.0   | 176.6 |
| 176 | 86.3  | 0.0   | 170.2 |

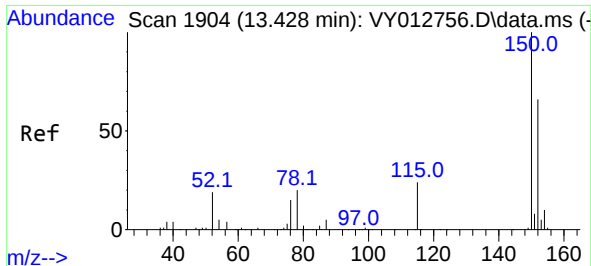


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: VY012813.D  
Acq: 06 Mar 2023 11:19

Tgt Ion: 117 Resp: 142146

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 53.6  | 45.4  | 68.0  |
| 119 | 32.9  | 25.6  | 38.4  |

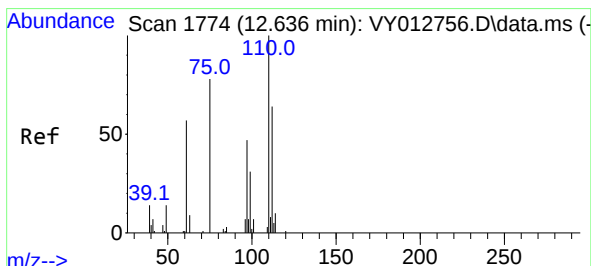
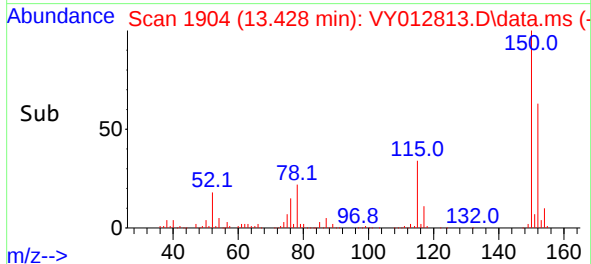
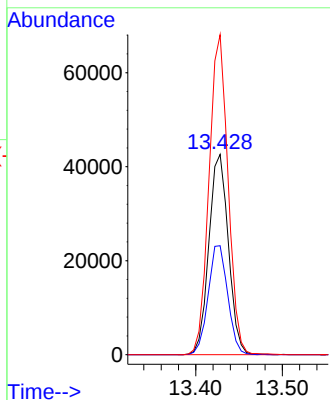
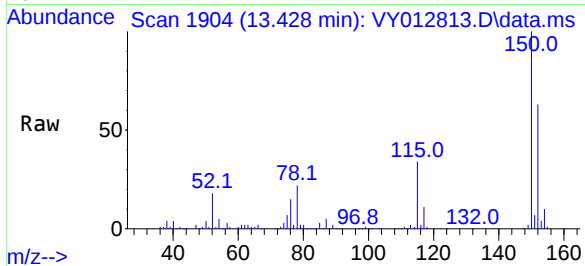




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY012813.D  
Acq: 06 Mar 2023 11:19

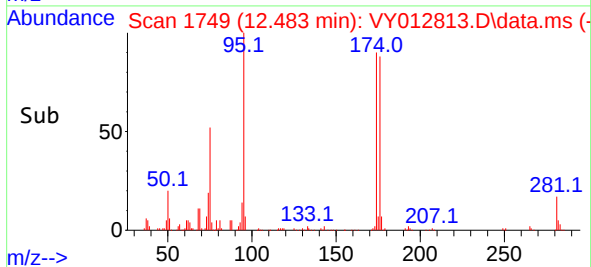
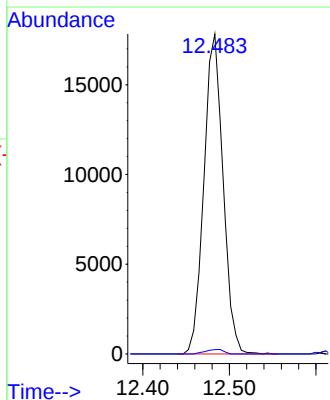
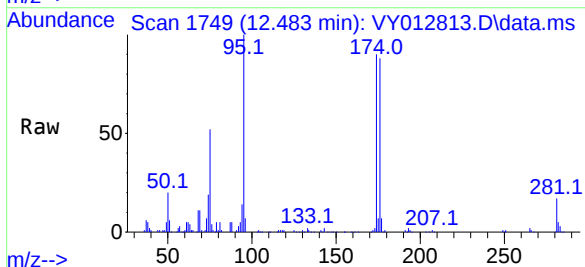
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0306SBL01

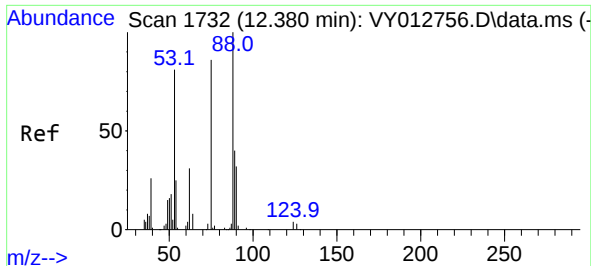
Tgt Ion:152 Resp: 66686  
Ion Ratio Lower Upper  
152 100  
115 54.7 27.1 81.3  
150 155.6 0.0 347.8



#76  
1,2,3-Trichloropropane  
Concen: 34.361 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.152 min  
Lab File: VY012813.D  
Acq: 06 Mar 2023 11:19

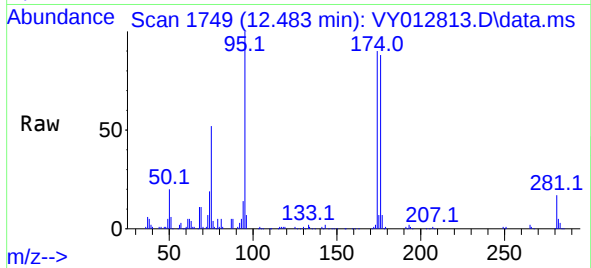
Tgt Ion: 75 Resp: 27363  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 71.197 ug/l  
RT: 12.483 min Scan# 11  
Delta R.T. 0.104 min  
Lab File: VY012813.D  
Acq: 06 Mar 2023 11:19

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0306SBL01



Tgt Ion: 75 Resp: 27363  
Ion Ratio Lower Upper  
75 100  
53 0.1 73.4 110.0#  
89 0.0 36.6 55.0#

