

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY091123\  
 Data File : VY015492.D  
 Acq On : 11 Sep 2023 17:16  
 Operator : SY/MD  
 Sample : 04371-01  
 Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Sep 12 01:20:14 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y082923S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 31 20:01:47 2023  
 Response via : Initial Calibration

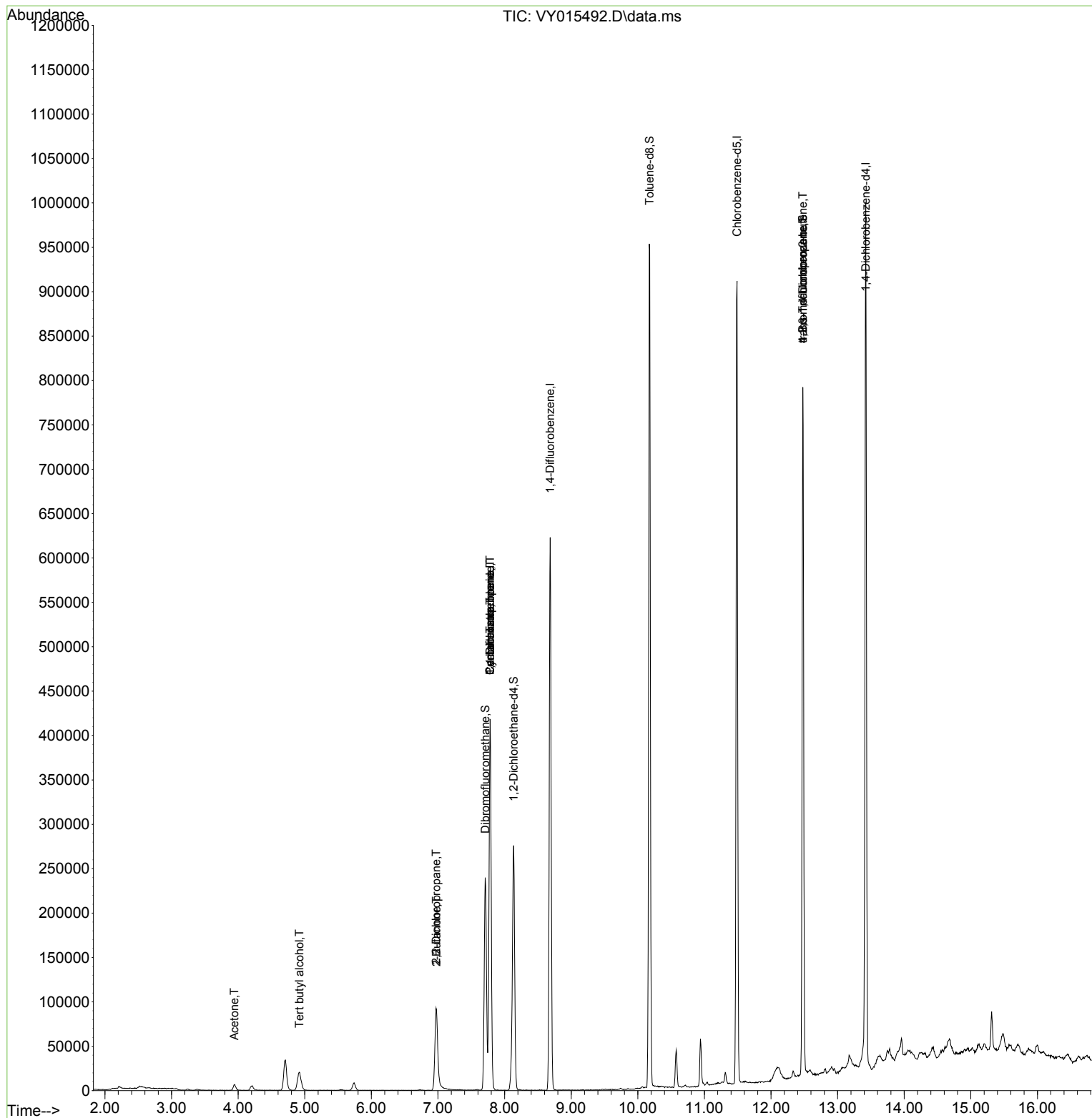
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.783  | 168   | 325541   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685  | 114   | 538945   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 494059   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422 | 152   | 241324   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.136  | 65    | 205930   | 59.010    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 118.020% |          |
| 35) Dibromofluoromethane      | 7.710  | 113   | 168276   | 54.209    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 108.420% |          |
| 50) Toluene-d8                | 10.179 | 98    | 628198   | 55.882    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | = 111.760% |          |
| 62) 4-Bromofluorobenzene      | 12.477 | 95    | 227370   | 54.483    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | = 108.960% |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.917  | 59    | 20989    | 10.810    | ug/l #     | 91       |
| 16) Acetone                   | 3.942  | 43    | 11194    | 7.685     | ug/l       | 96       |
| 20) Methylene Chloride        | 4.704  | 84    | 26745    | Below Cal | #          | 88       |
| 25) 2-Butanone                | 6.978  | 43    | 4944     | 2.393     | ug/l #     | 77       |
| 26) 2,2-Dichloropropane       | 6.972  | 77    | 6655     | 1.203     | ug/l #     | 54       |
| 31) Cyclohexane               | 7.783  | 56    | 6738     | 1.087     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.783  | 75    | 25002    | 4.587     | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 7.783  | 117   | 31848    | 5.657     | ug/l #     | 16       |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75    | 123097   | 38.465    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75    | 123097   | 84.850    | ug/l #     | 11       |
| -----                         |        |       |          |           |            |          |

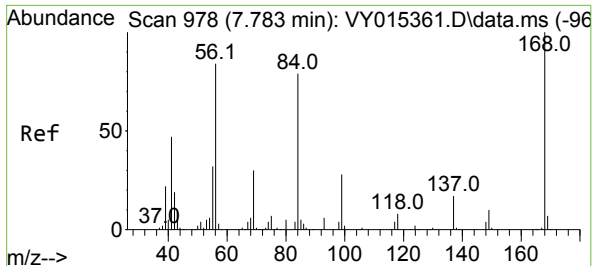
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 14 Sample Multiplier: 1

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MSVOA\_Y  
ClientSampleId :

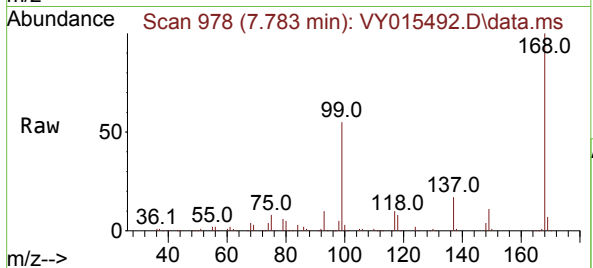
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y082923S.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 31 20:01:47 2023  
Response via : Initial Calibration



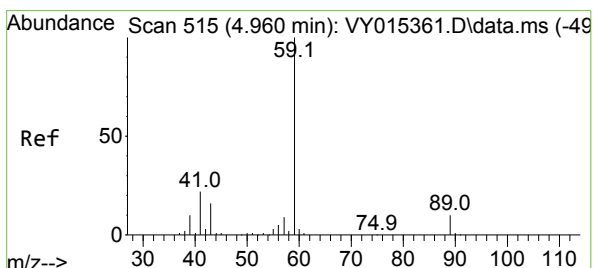
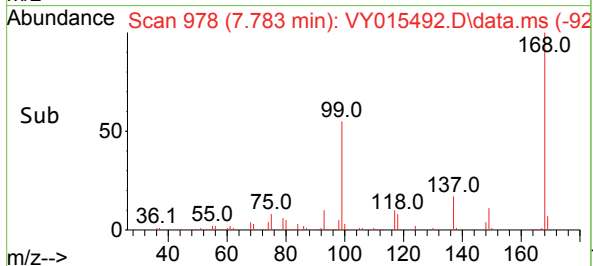
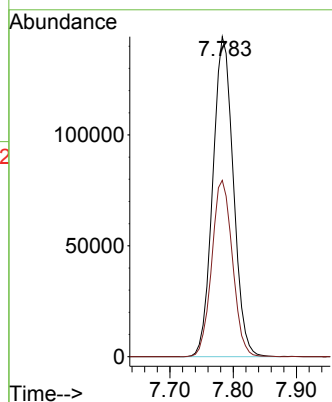


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY015492.D  
Acq: 11 Sep 2023 17:16

Instrument :  
MSVOA\_Y  
ClientSampleId :

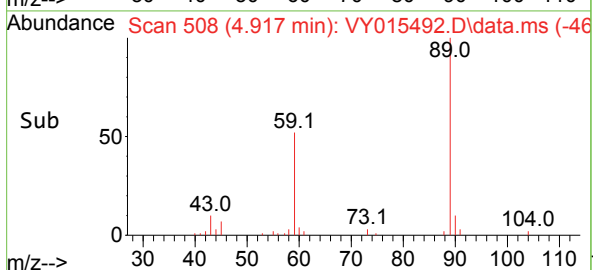
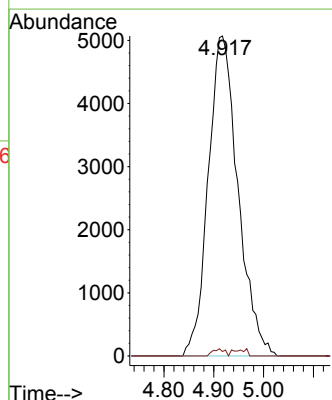
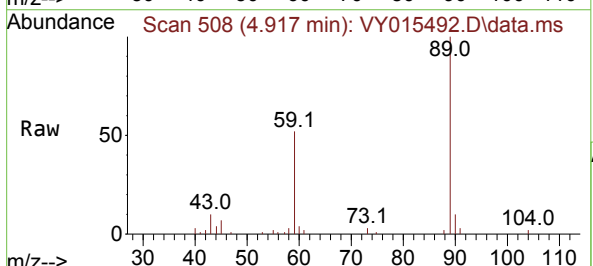


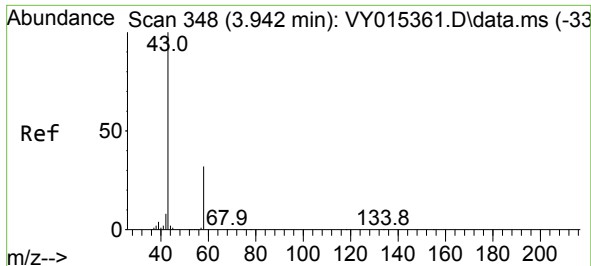
Tgt Ion:168 Resp: 325541  
Ion Ratio Lower Upper  
168 100  
99 55.1 43.4 65.0



#11  
Tert butyl alcohol  
Concen: 10.810 ug/l  
RT: 4.917 min Scan# 508  
Delta R.T. -0.037 min  
Lab File: VY015492.D  
Acq: 11 Sep 2023 17:16

Tgt Ion: 59 Resp: 20989  
Ion Ratio Lower Upper  
59 100  
57 0.9 3.0 4.4#

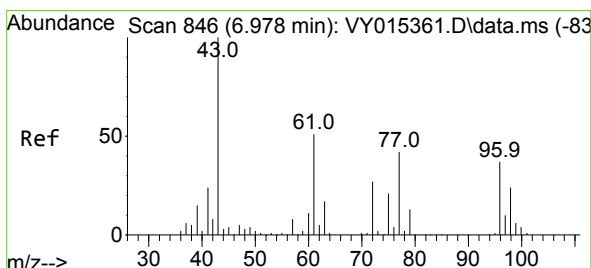
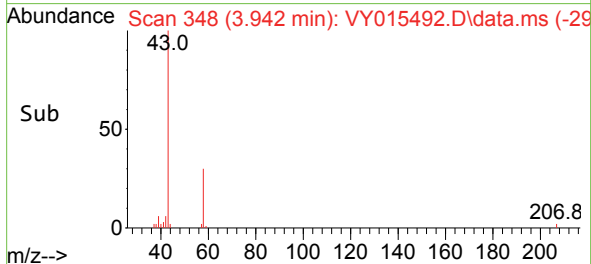
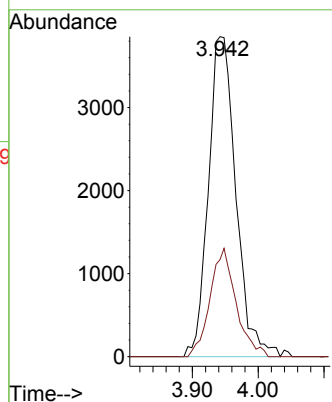
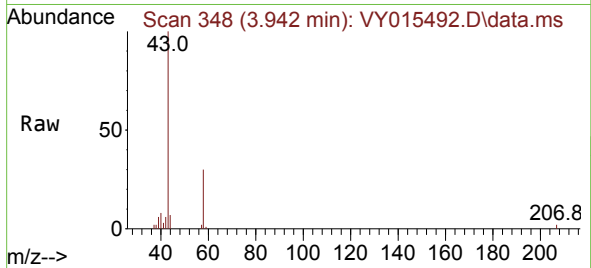




#16  
Acetone  
Concen: 7.685 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. -0.000 min  
Lab File: VY015492.D  
Acq: 11 Sep 2023 17:16

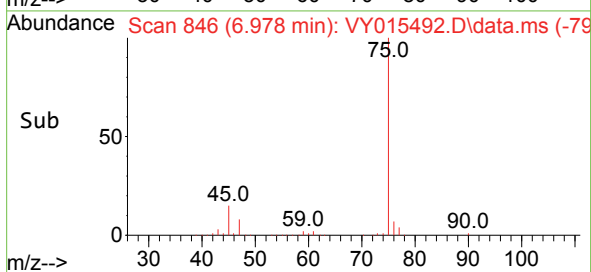
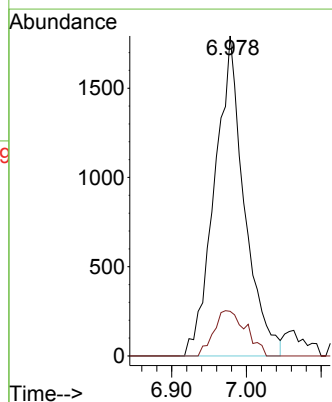
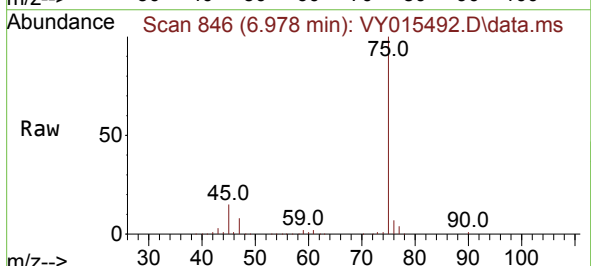
Instrument :  
MSVOA\_Y  
ClientSampleId :

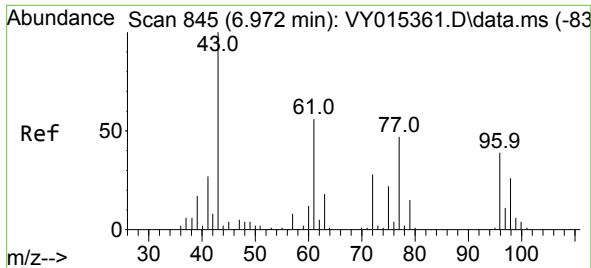
Tgt Ion: 43 Resp: 11194  
Ion Ratio Lower Upper  
43 100  
58 30.3 22.7 34.1



#25  
2-Butanone  
Concen: 2.393 ug/l  
RT: 6.978 min Scan# 846  
Delta R.T. -0.000 min  
Lab File: VY015492.D  
Acq: 11 Sep 2023 17:16

Tgt Ion: 43 Resp: 4944  
Ion Ratio Lower Upper  
43 100  
72 13.9 20.5 30.7#

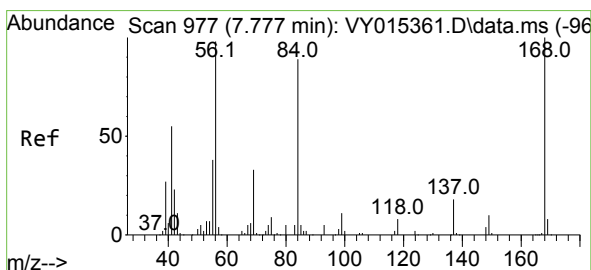
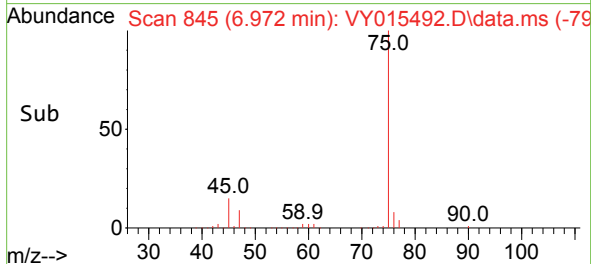
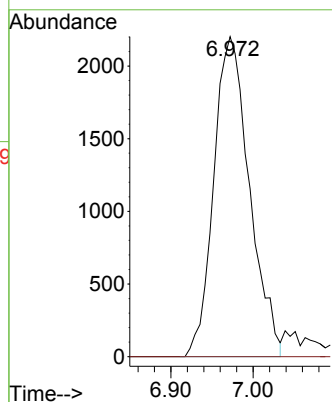
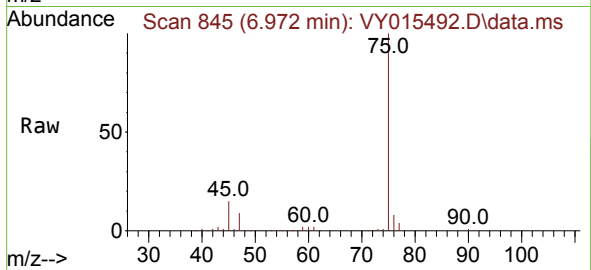




#26  
2,2-Dichloropropane  
Concen: 1.203 ug/l  
RT: 6.972 min Scan# 845  
Delta R.T. -0.000 min  
Lab File: VY015492.D  
Acq: 11 Sep 2023 17:16

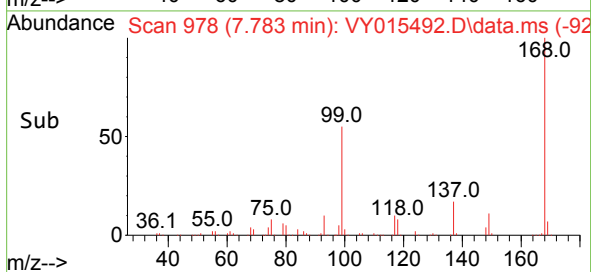
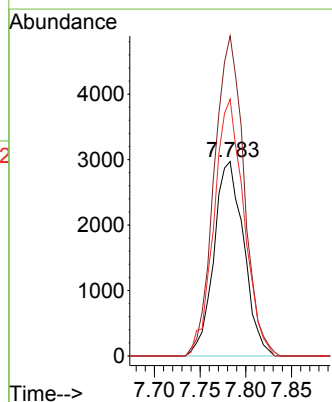
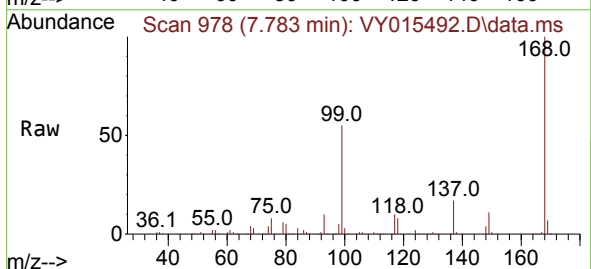
Instrument :  
MSVOA\_Y  
ClientSampleId :

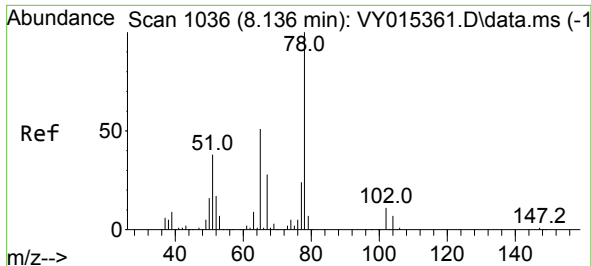
Tgt Ion: 77 Resp: 6655  
Ion Ratio Lower Upper  
77 100  
97 0.0 10.9 32.9#



#31  
Cyclohexane  
Concen: 1.087 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.000 min  
Lab File: VY015492.D  
Acq: 11 Sep 2023 17:16

Tgt Ion: 56 Resp: 6738  
Ion Ratio Lower Upper  
56 100  
69 164.7 27.8 41.6#  
84 132.1 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 59.010 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY015492.D

Acq: 11 Sep 2023 17:16

Instrument :

MSVOA\_Y

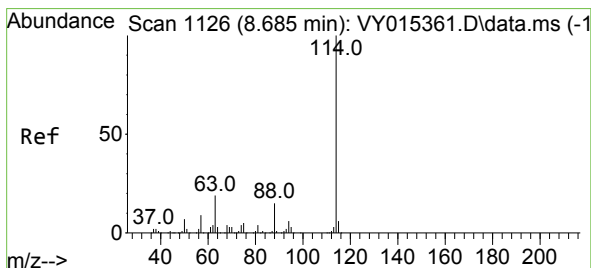
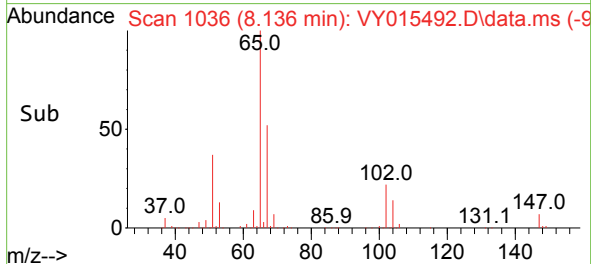
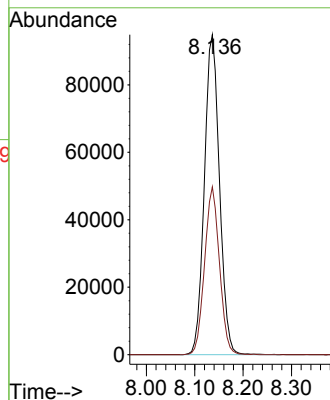
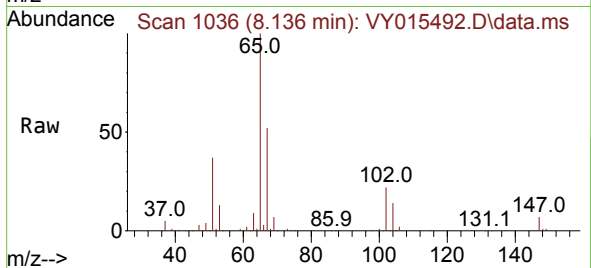
ClientSampleId :

Tgt Ion: 65 Resp: 205930

Ion Ratio Lower Upper

65 100

67 51.7 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY015492.D

Acq: 11 Sep 2023 17:16

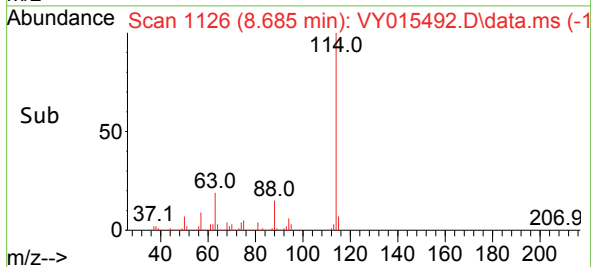
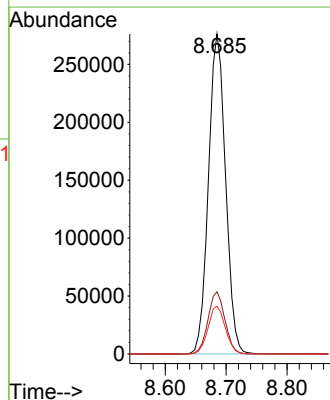
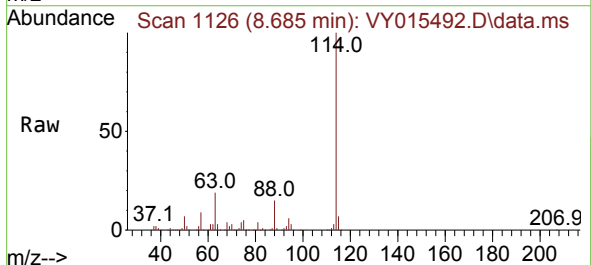
Tgt Ion:114 Resp: 538945

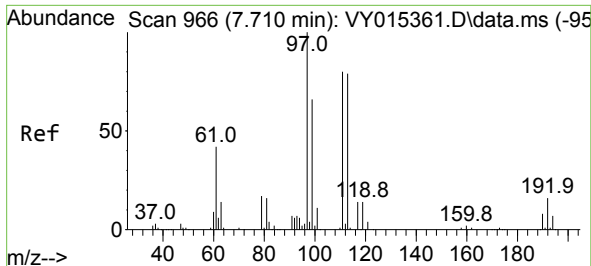
Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.4

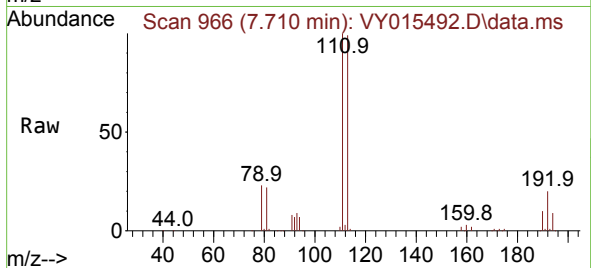
88 14.9 0.0 30.6



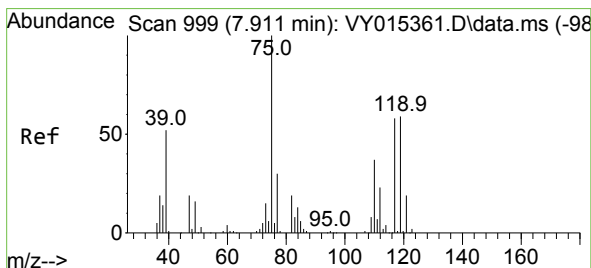
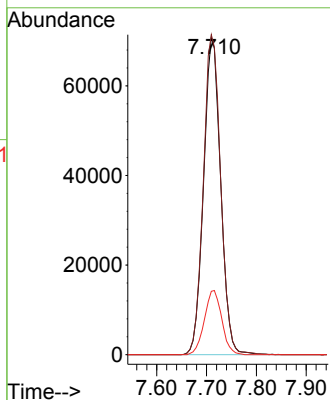
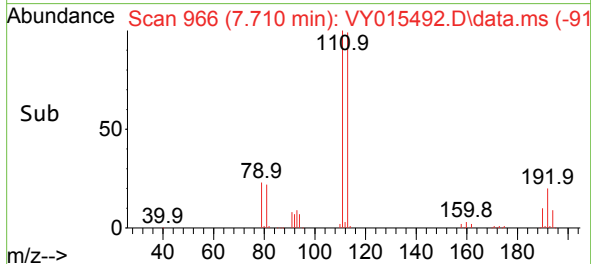


#35  
Dibromofluoromethane  
Concen: 54.209 ug/l  
RT: 7.710 min Scan# 910  
Delta R.T. -0.006 min  
Lab File: VY015492.D  
Acq: 11 Sep 2023 17:16

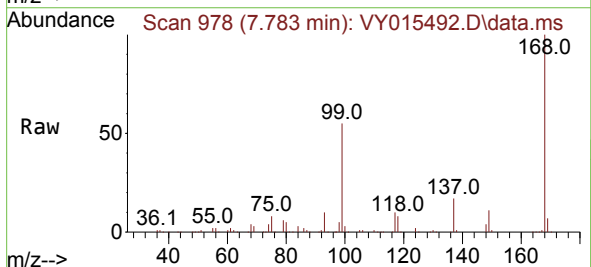
Instrument :  
MSVOA\_Y  
ClientSampleId :



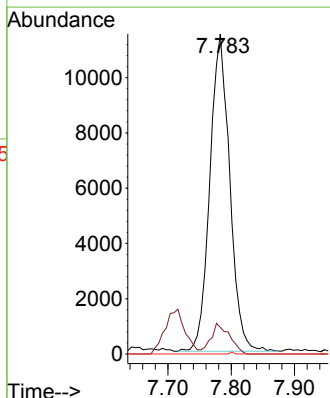
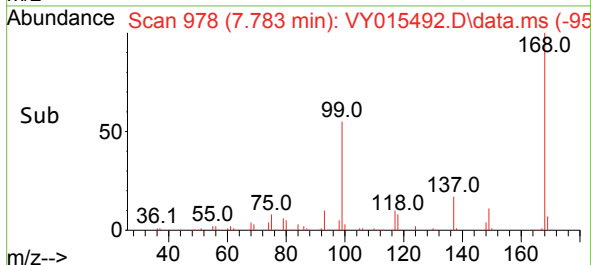
Tgt Ion:113 Resp: 168276  
Ion Ratio Lower Upper  
113 100  
111 102.4 81.3 121.9  
192 20.6 16.9 25.3

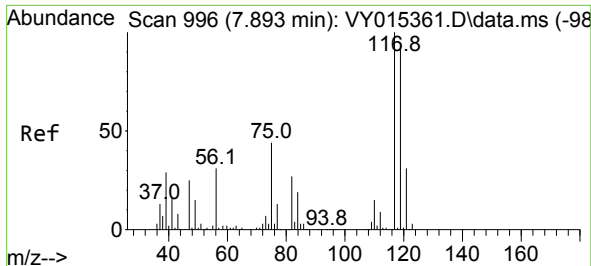


#36  
1,1-Dichloropropene  
Concen: 4.587 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.128 min  
Lab File: VY015492.D  
Acq: 11 Sep 2023 17:16



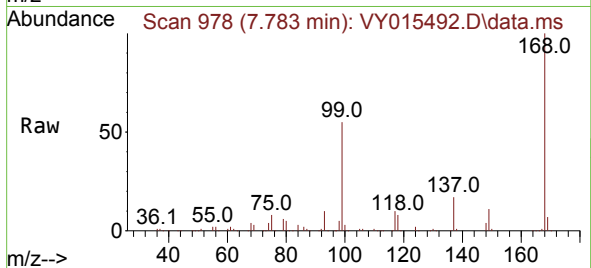
Tgt Ion: 75 Resp: 25002  
Ion Ratio Lower Upper  
75 100  
110 9.0 17.8 53.5#  
77 0.0 24.4 36.6#



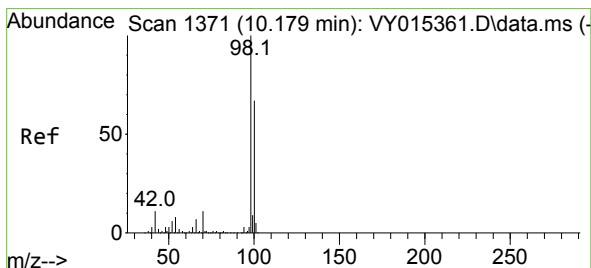
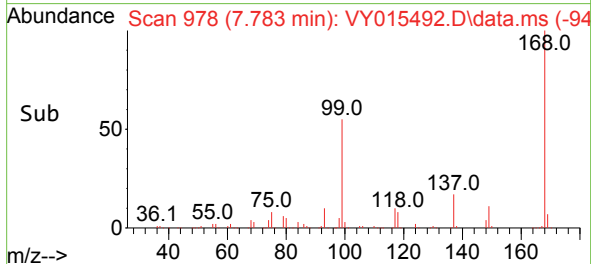
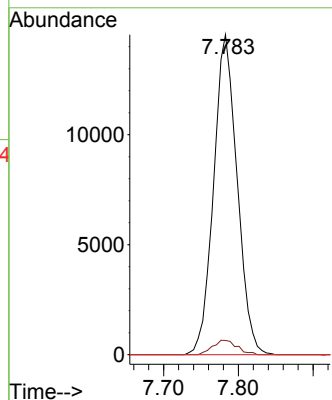


#38  
Carbon Tetrachloride  
Concen: 5.657 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY015492.D  
Acq: 11 Sep 2023 17:16

Instrument :  
MSVOA\_Y  
ClientSampleId :

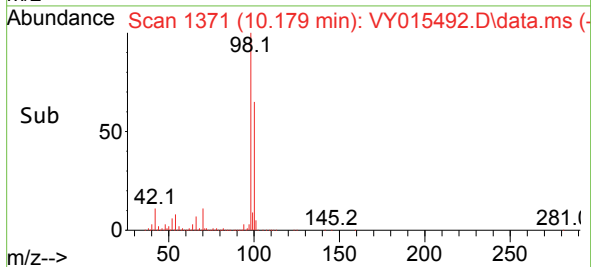
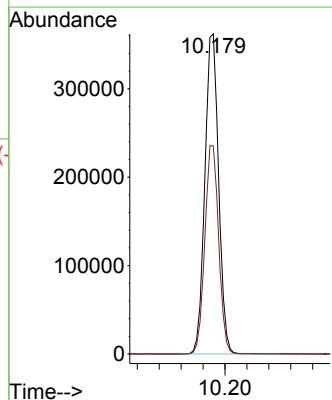
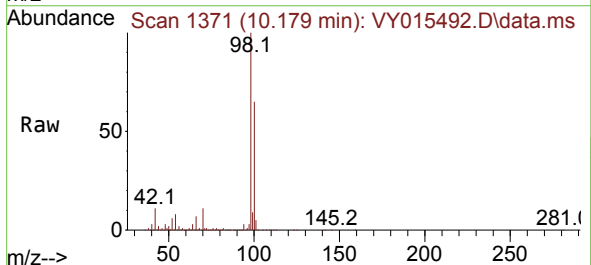


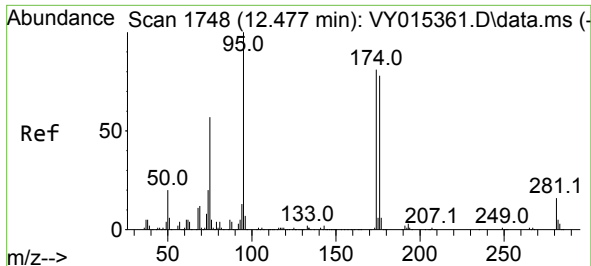
Tgt Ion:117 Resp: 31848  
Ion Ratio Lower Upper  
117 100  
119 4.4 76.4 114.6#  
121 0.0 25.8 38.6#



#50  
Toluene-d8  
Concen: 55.882 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY015492.D  
Acq: 11 Sep 2023 17:16

Tgt Ion: 98 Resp: 628198  
Ion Ratio Lower Upper  
98 100  
100 65.4 50.1 75.1

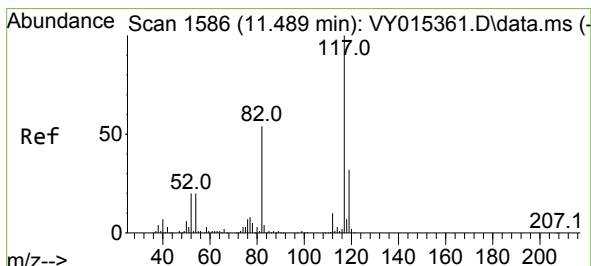
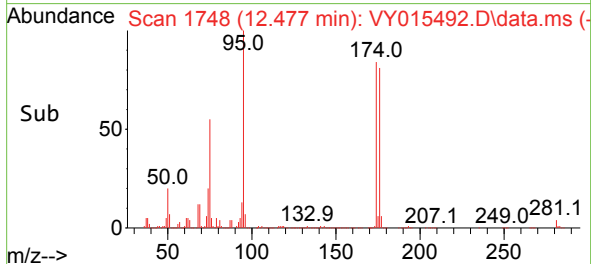
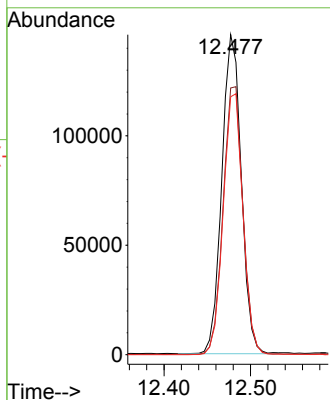
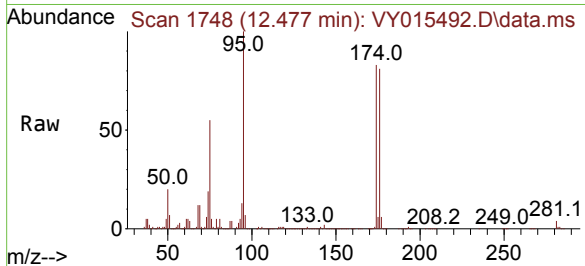




#62  
4-Bromofluorobenzene  
Concen: 54.483 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.000 min  
Lab File: VY015492.D  
Acq: 11 Sep 2023 17:16

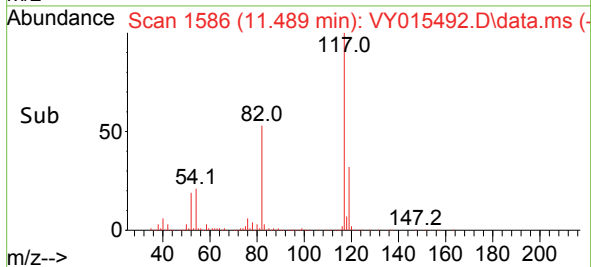
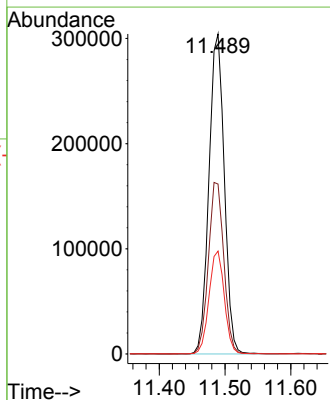
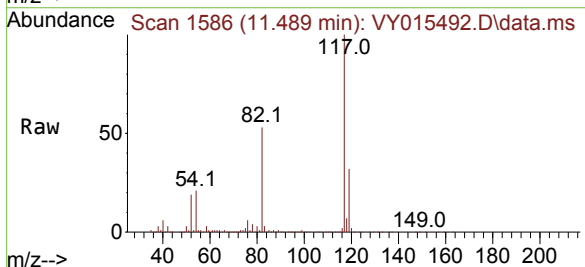
Instrument :  
MSVOA\_Y  
ClientSampleId :

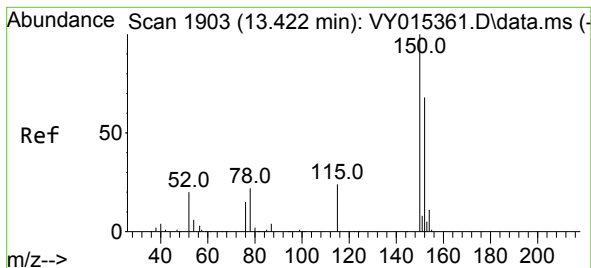
Tgt Ion: 95 Resp: 227370  
Ion Ratio Lower Upper  
95 100  
174 85.4 0.0 178.2  
176 83.2 0.0 173.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: VY015492.D  
Acq: 11 Sep 2023 17:16

Tgt Ion: 117 Resp: 494059  
Ion Ratio Lower Upper  
117 100  
82 53.1 43.4 65.0  
119 32.1 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY015492.D

Acq: 11 Sep 2023 17:16

Instrument :

MSVOA\_Y

ClientSampleId :

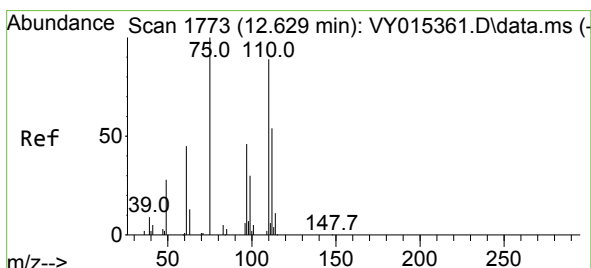
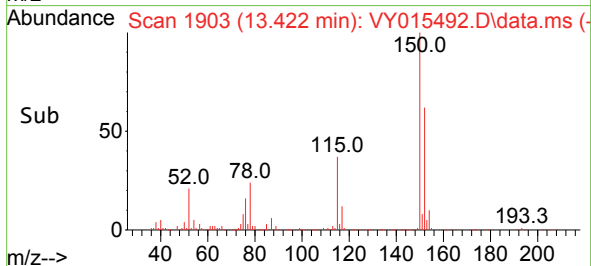
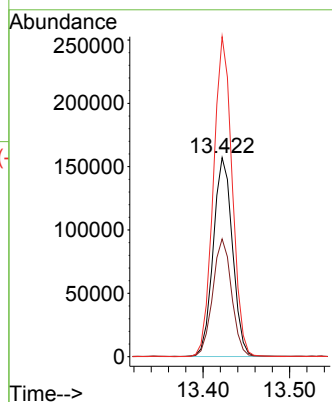
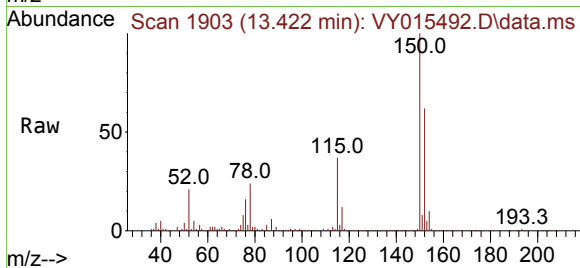
Tgt Ion:152 Resp: 241324

Ion Ratio Lower Upper

152 100

115 58.0 28.8 86.5

150 157.7 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 38.465 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015492.D

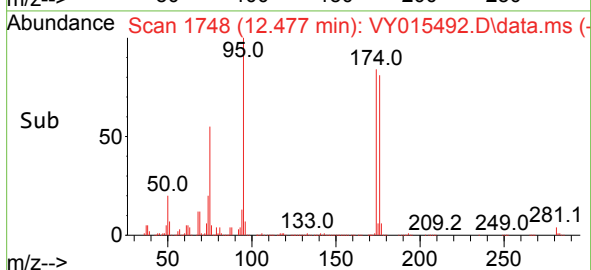
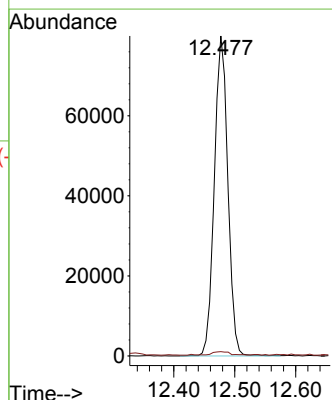
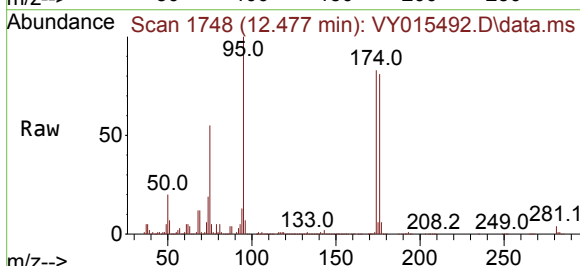
Acq: 11 Sep 2023 17:16

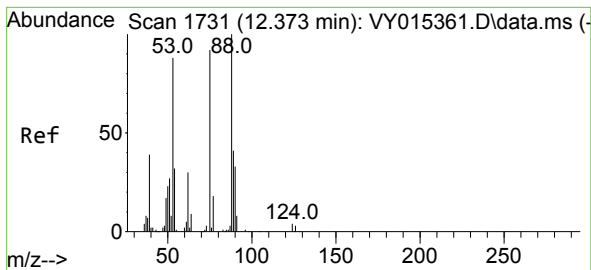
Tgt Ion: 75 Resp: 123097

Ion Ratio Lower Upper

75 100

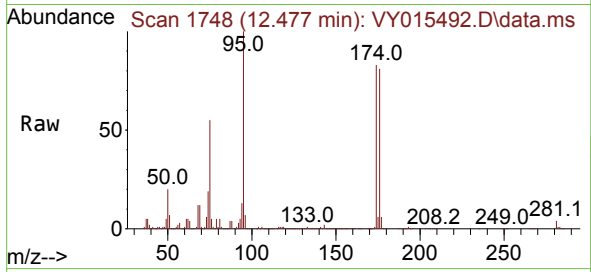
77 1.3 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 84.850 ug/l  
 RT: 12.477 min Scan# 11  
 Delta R.T. 0.097 min  
 Lab File: VY015492.D  
 Acq: 11 Sep 2023 17:16

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion: 75 Resp: 123097  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 77.8 116.8#  
 89 0.1 37.4 56.0#

