

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021623\  
 Data File : VY012633.D  
 Acq On : 16 Feb 2023 13:15  
 Operator : KP/MD  
 Sample : 01559-03  
 Misc : 5.06g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Feb 16 21:58:48 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020723S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 08 01:09:03 2023  
 Response via : Initial Calibration

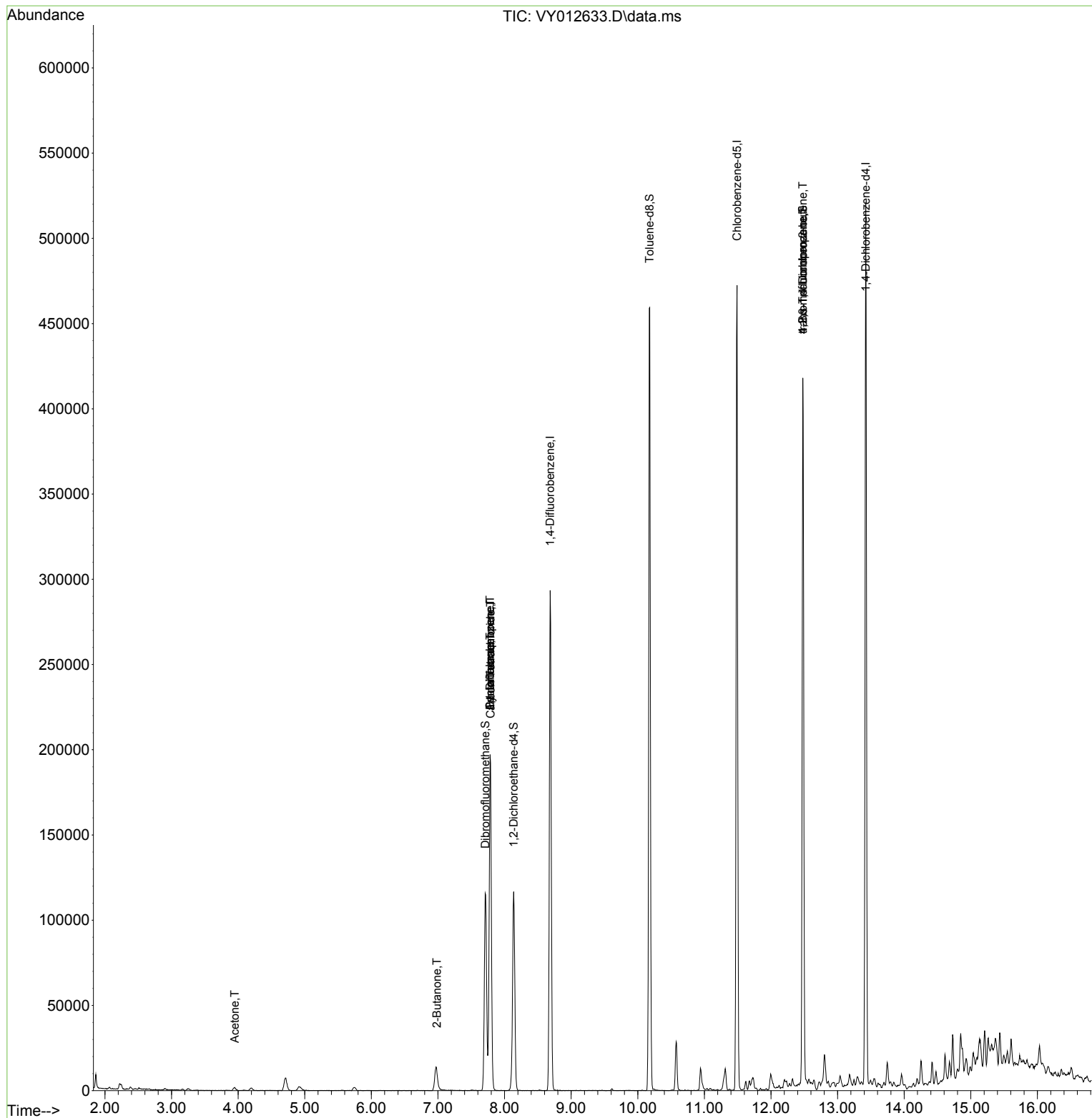
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.783  | 168   | 158412   | 50.000    | ug/l   | -0.01    |
| 34) 1,4-Difluorobenzene       | 8.685  | 114   | 264553   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.490 | 117   | 271132   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422 | 152   | 137675   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.137  | 65    | 97092    | 48.199    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 96.400%  |
| 35) Dibromofluoromethane      | 7.710  | 113   | 79396    | 41.210    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 82.420%  |
| 50) Toluene-d8                | 10.179 | 98    | 315322   | 39.321    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 78.640%  |
| 62) 4-Bromofluorobenzene      | 12.477 | 95    | 115264   | 41.208    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 82.420%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.900  | 85    | 62       | Below Cal | #      | 41       |
| 5) Bromomethane               | 2.650  | 94    | 39       | Below Cal | #      | 3        |
| 11) Tert butyl alcohol        | 4.918  | 59    | 1291     | Below Cal | #      | 75       |
| 16) Acetone                   | 3.948  | 43    | 2987     | 6.161     | ug/l # | 88       |
| 20) Methylene Chloride        | 4.716  | 84    | 6319     | Below Cal |        | 98       |
| 25) 2-Butanone                | 6.984  | 43    | 1061     | 1.972     | ug/l   | 94       |
| 31) Cyclohexane               | 7.783  | 56    | 2594     | 1.114     | ug/l # | 39       |
| 36) 1,1-Dichloropropene       | 7.783  | 75    | 10483    | 4.020     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 15227    | 4.350     | ug/l # | 17       |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75    | 62060    | 40.347    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75    | 62060    | 90.985    | ug/l # | 12       |
| -----                         |        |       |          |           |        |          |

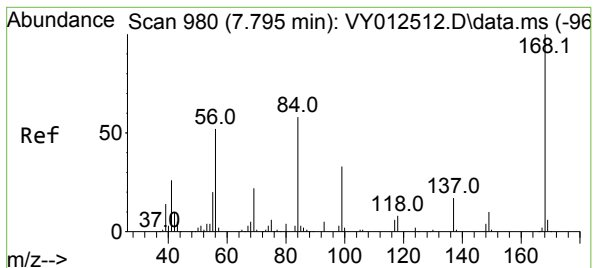
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021623\  
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MSVOA\_Y  
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Quant Time: Feb 16 21:58:48 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020723S.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 08 01:09:03 2023  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.012 min

Lab File: VY012633.D

Acq: 16 Feb 2023 13:15

Instrument :

MSVOA\_Y

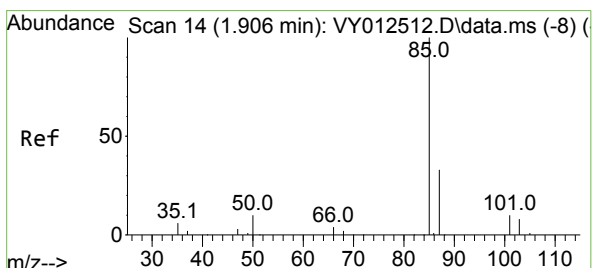
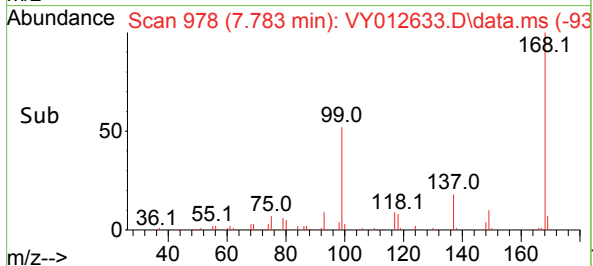
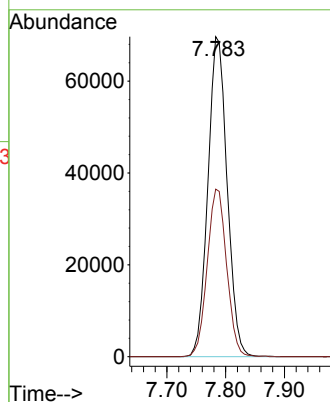
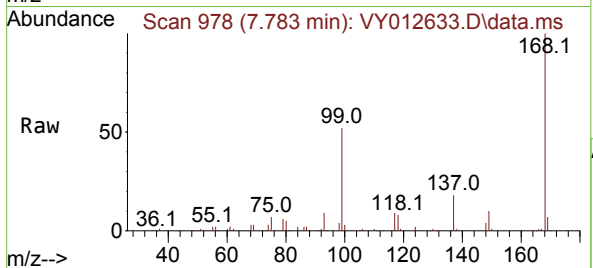
ClientSampleId :

Tgt Ion:168 Resp: 158412

Ion Ratio Lower Upper

168 100

99 52.4 40.8 61.2



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.900 min Scan# 13

Delta R.T. -0.006 min

Lab File: VY012633.D

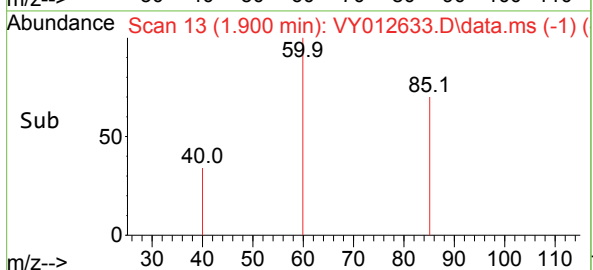
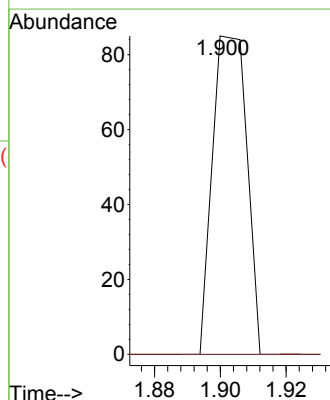
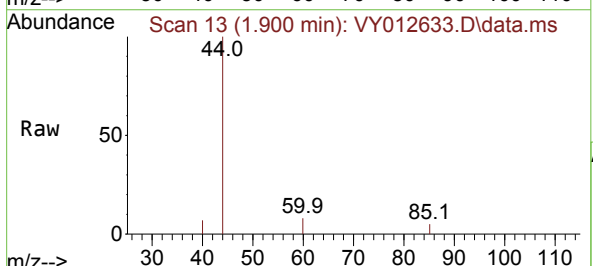
Acq: 16 Feb 2023 13:15

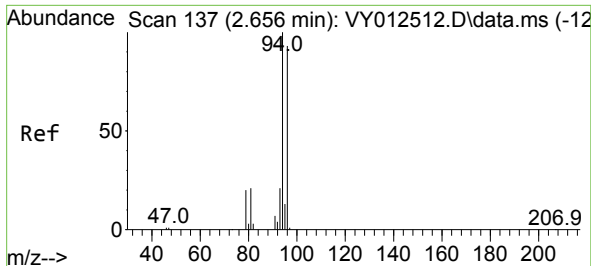
Tgt Ion: 85 Resp: 62

Ion Ratio Lower Upper

85 100

87 0.0 16.6 49.8#

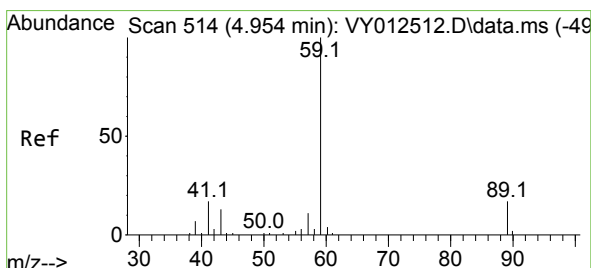
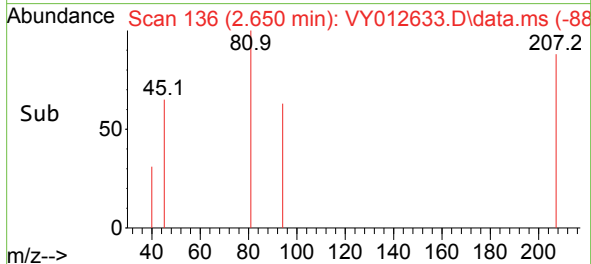
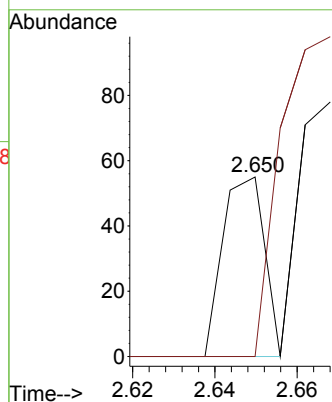
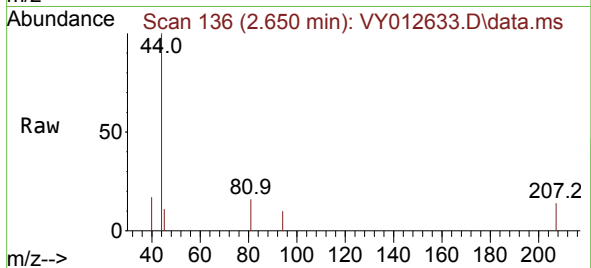




#5  
Bromomethane  
Concen: Below Cal  
RT: 2.650 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY012633.D  
Acq: 16 Feb 2023 13:15

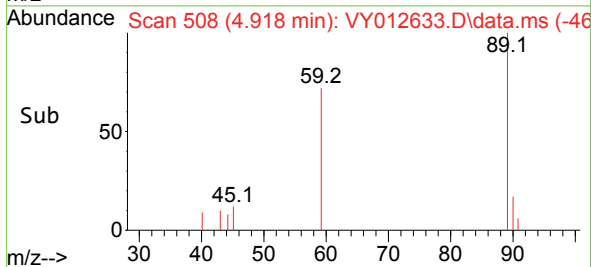
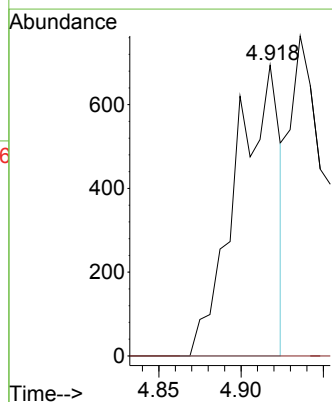
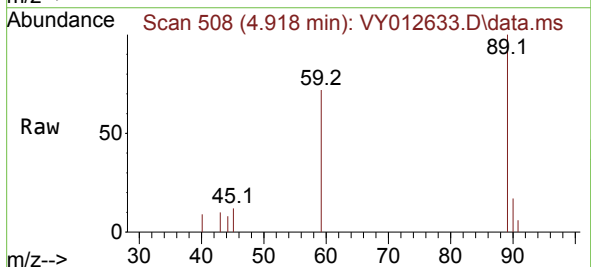
Instrument :  
MSVOA\_Y  
ClientSampleId :

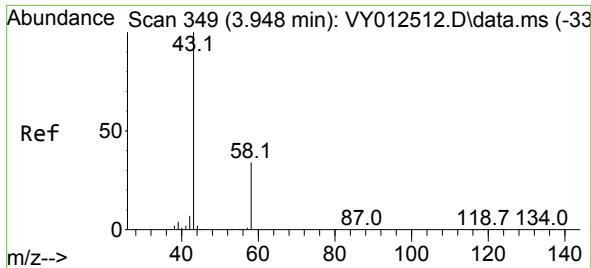
Tgt Ion: 94 Resp: 39  
Ion Ratio Lower Upper  
94 100  
96 0.0 74.7 112.1#



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.918 min Scan# 508  
Delta R.T. -0.036 min  
Lab File: VY012633.D  
Acq: 16 Feb 2023 13:15

Tgt Ion: 59 Resp: 1291  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.2 10.8#





#16

Acetone

Concen: 6.161 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY012633.D

Acq: 16 Feb 2023 13:15

Instrument :

MSVOA\_Y

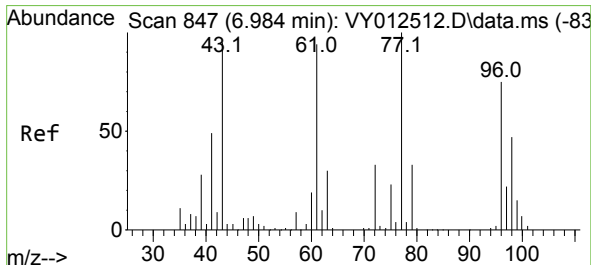
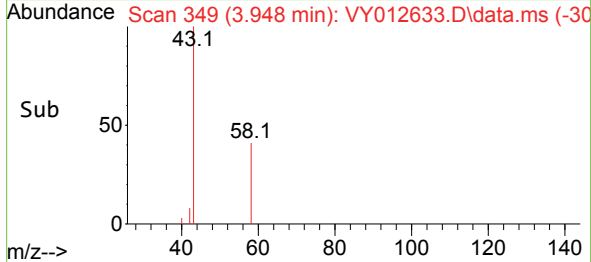
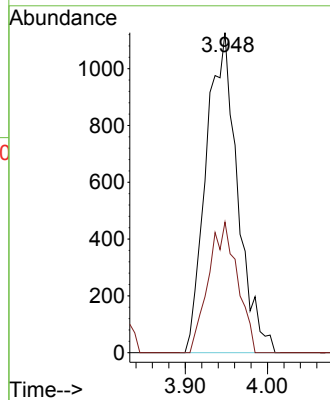
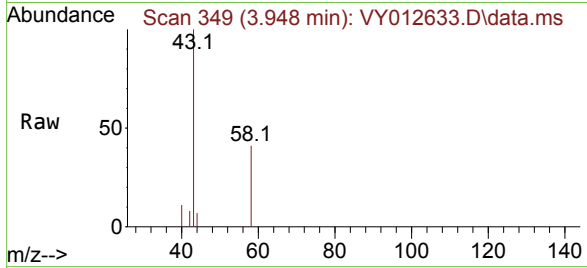
ClientSampleId :

Tgt Ion: 43 Resp: 2987

Ion Ratio Lower Upper

43 100

58 40.8 27.1 40.7#



#25

2-Butanone

Concen: 1.972 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY012633.D

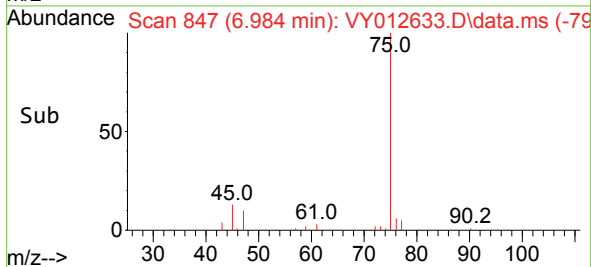
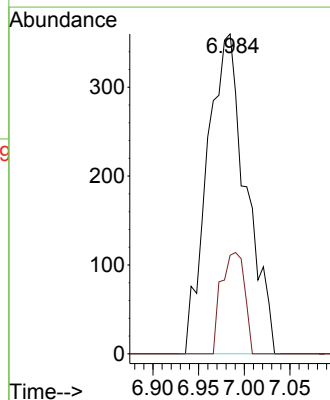
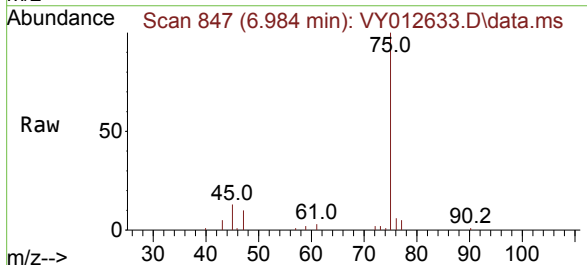
Acq: 16 Feb 2023 13:15

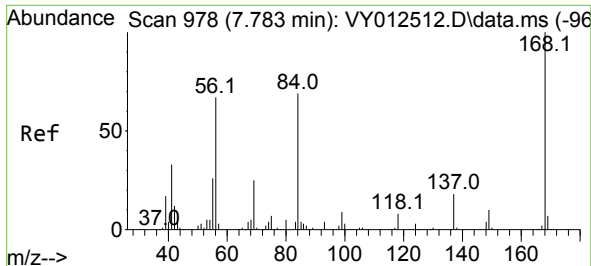
Tgt Ion: 43 Resp: 1061

Ion Ratio Lower Upper

43 100

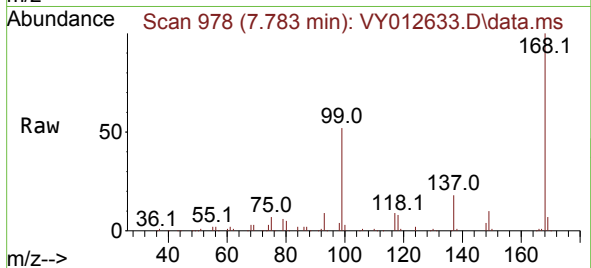
72 30.8 27.4 41.2



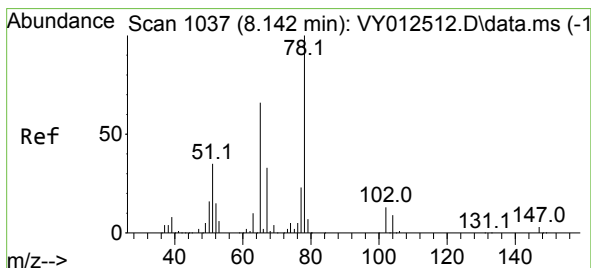
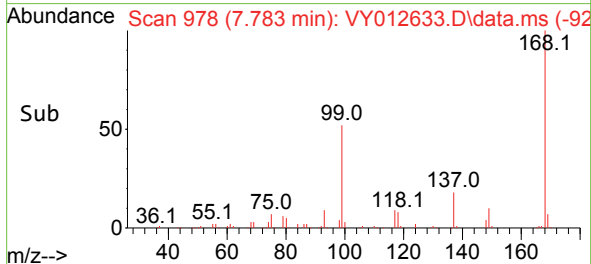
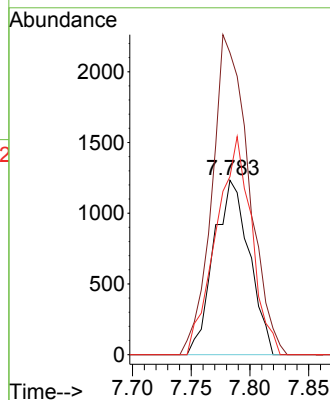


#31  
Cyclohexane  
Concen: 1.114 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY012633.D  
Acq: 16 Feb 2023 13:15

Instrument :  
MSVOA\_Y  
ClientSampleId :

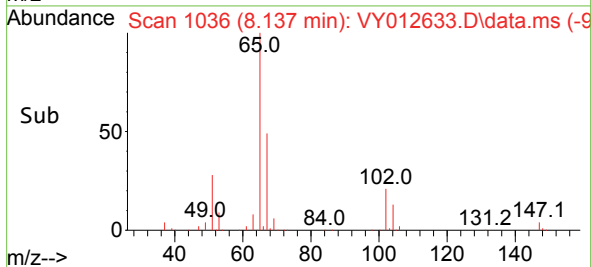
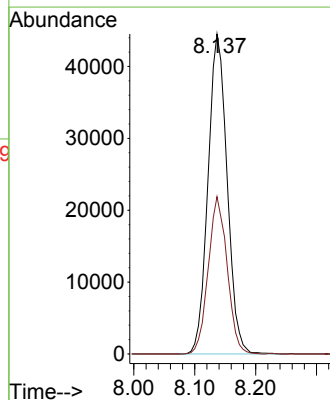
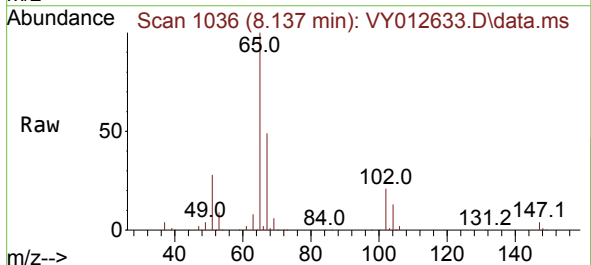


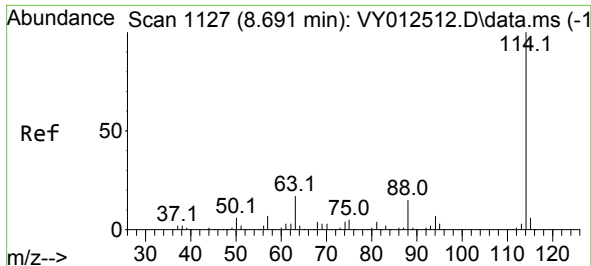
Tgt Ion: 56 Resp: 2594  
Ion Ratio Lower Upper  
56 100  
69 173.1 29.5 44.3#  
84 102.1 81.9 122.9



#33  
1,2-Dichloroethane-d4  
Concen: 48.199 ug/l  
RT: 8.137 min Scan# 1036  
Delta R.T. -0.006 min  
Lab File: VY012633.D  
Acq: 16 Feb 2023 13:15

Tgt Ion: 65 Resp: 97092  
Ion Ratio Lower Upper  
65 100  
67 48.6 0.0 98.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY012633.D

Acq: 16 Feb 2023 13:15

Instrument :

MSVOA\_Y

ClientSampleId :

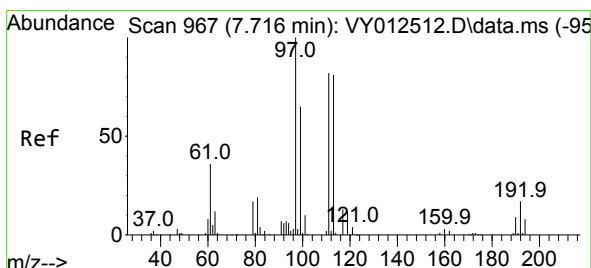
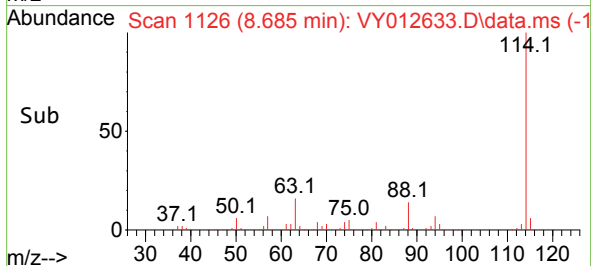
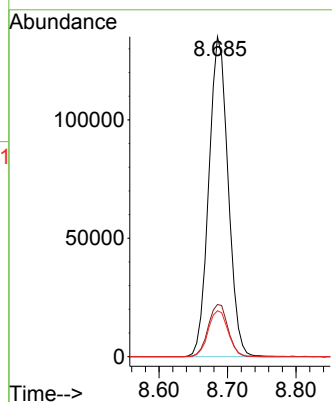
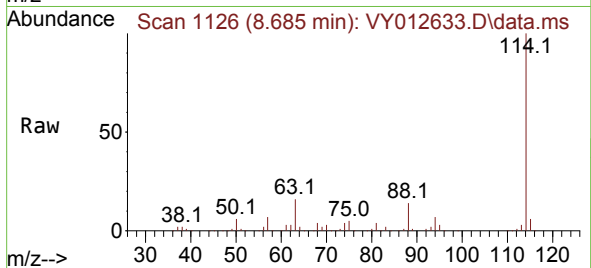
Tgt Ion:114 Resp: 264553

Ion Ratio Lower Upper

114 100

63 16.3 0.0 33.6

88 14.4 0.0 29.8



#35

Dibromofluoromethane

Concen: 41.210 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY012633.D

Acq: 16 Feb 2023 13:15

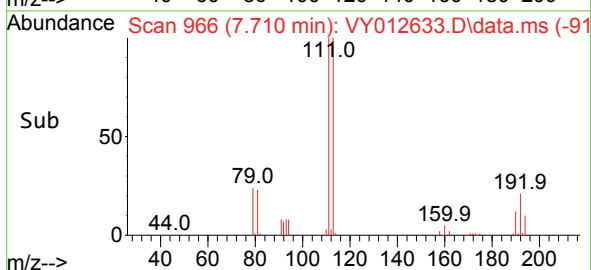
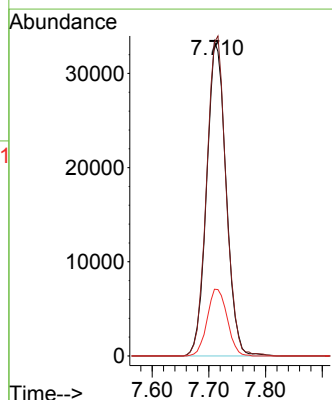
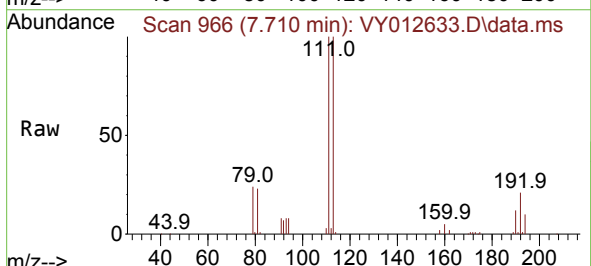
Tgt Ion:113 Resp: 79396

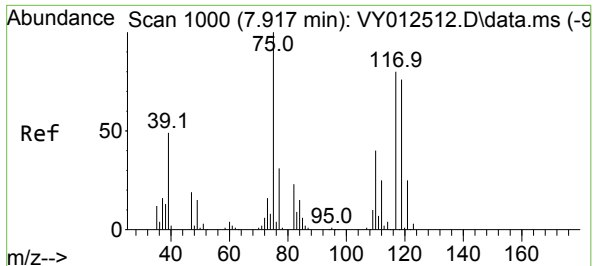
Ion Ratio Lower Upper

113 100

111 101.8 81.9 122.9

192 21.9 17.5 26.3





#36

1,1-Dichloropropene

Concen: 4.020 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY012633.D

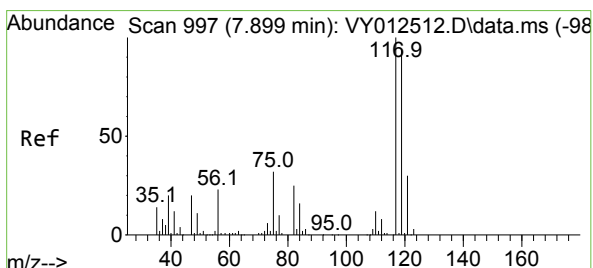
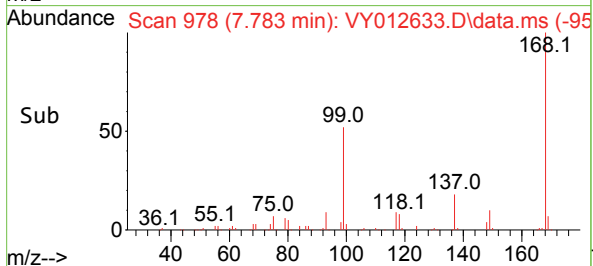
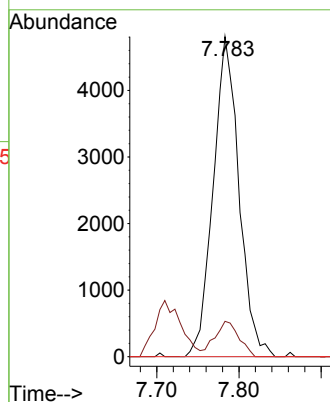
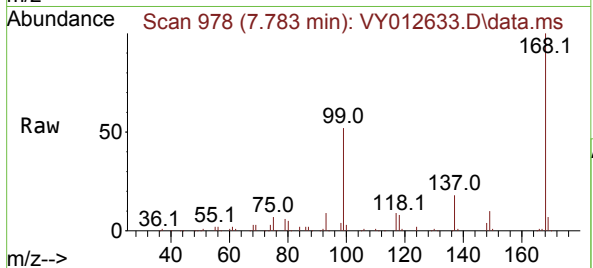
Acq: 16 Feb 2023 13:15

Instrument :

MSVOA\_Y

ClientSampleId :

|             |                 |
|-------------|-----------------|
| Tgt Ion: 75 | Resp: 10483     |
| Ion Ratio   | Lower Upper     |
| 75          | 100             |
| 110         | 10.4 19.5 58.5# |
| 77          | 0.0 24.9 37.3#  |



#38

Carbon Tetrachloride

Concen: 4.350 ug/l

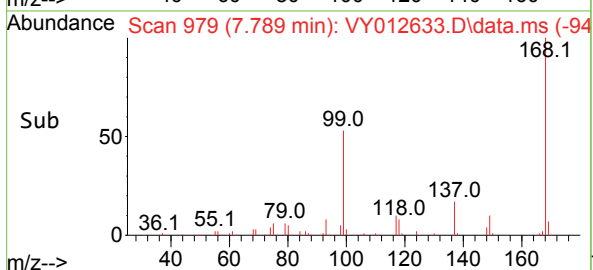
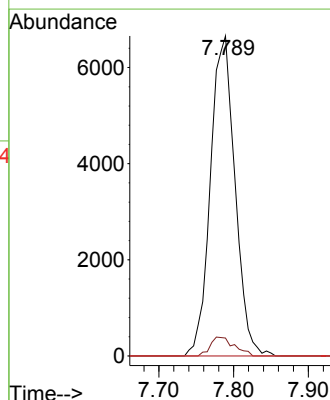
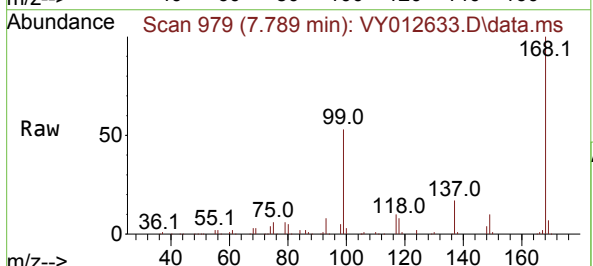
RT: 7.789 min Scan# 979

Delta R.T. -0.109 min

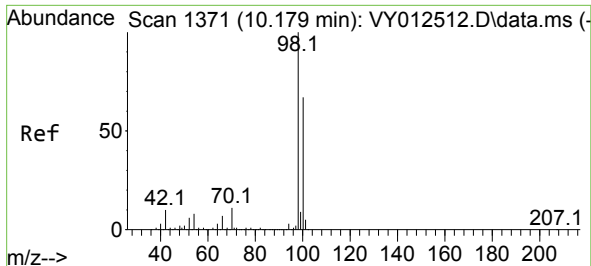
Lab File: VY012633.D

Acq: 16 Feb 2023 13:15

|              |                 |
|--------------|-----------------|
| Tgt Ion: 117 | Resp: 15227     |
| Ion Ratio    | Lower Upper     |
| 117          | 100             |
| 119          | 5.6 75.1 112.7# |
| 121          | 0.0 24.3 36.5#  |



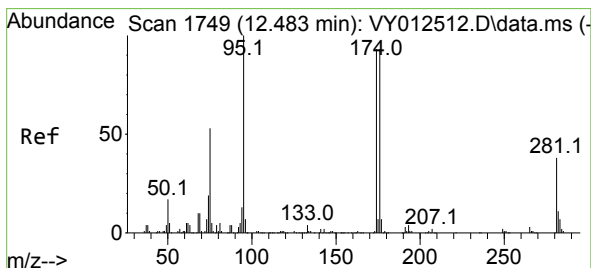
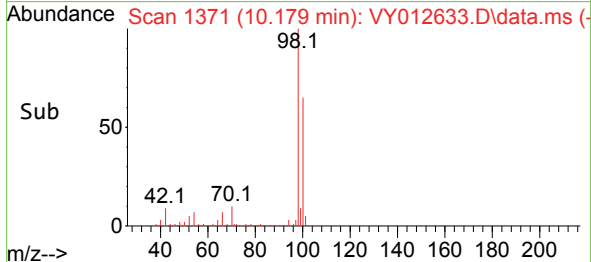
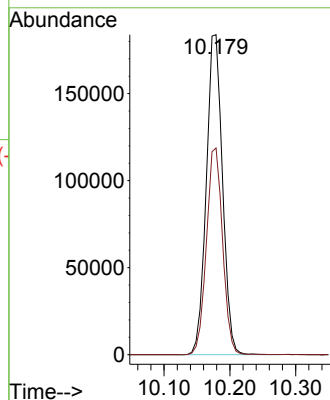
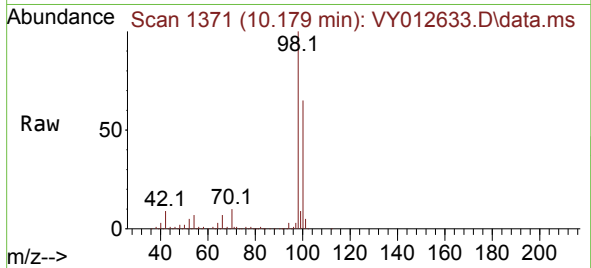




#50  
Toluene-d8  
Concen: 39.321 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY012633.D  
Acq: 16 Feb 2023 13:15

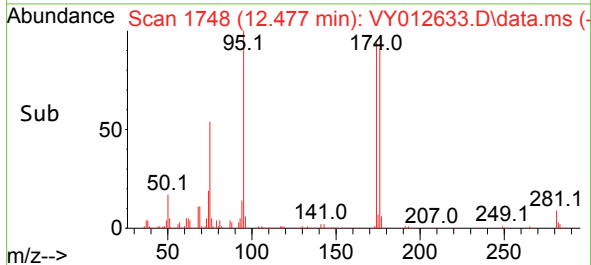
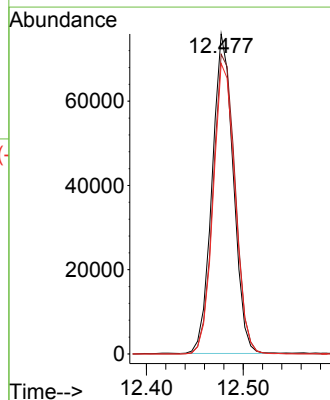
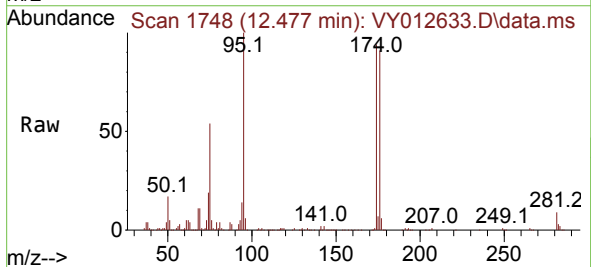
Instrument :  
MSVOA\_Y  
ClientSampleId :

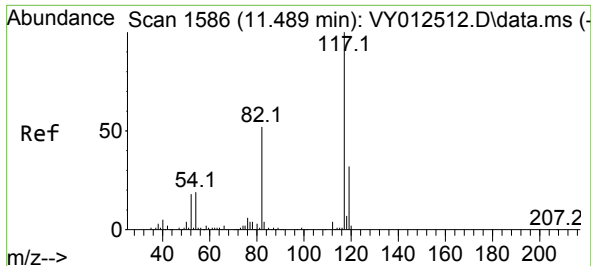
Tgt Ion: 98 Resp: 315322  
Ion Ratio Lower Upper  
98 100  
100 64.5 52.2 78.2



#62  
4-Bromofluorobenzene  
Concen: 41.208 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY012633.D  
Acq: 16 Feb 2023 13:15

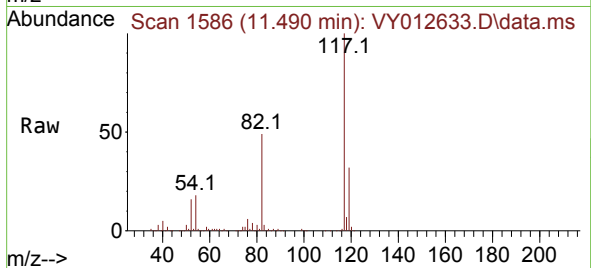
Tgt Ion: 95 Resp: 115264  
Ion Ratio Lower Upper  
95 100  
174 98.4 0.0 188.0  
176 93.9 0.0 183.6



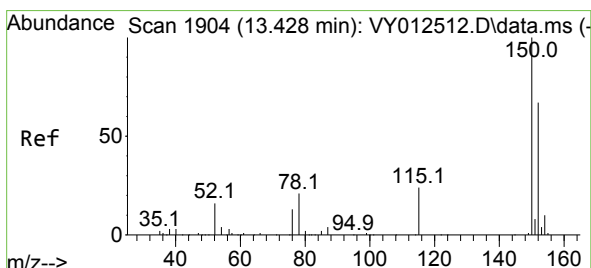
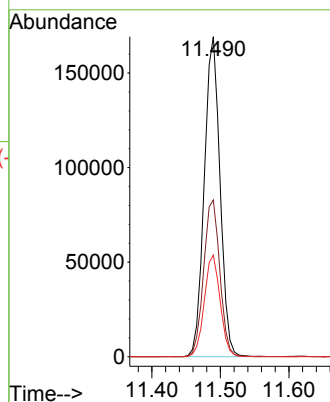
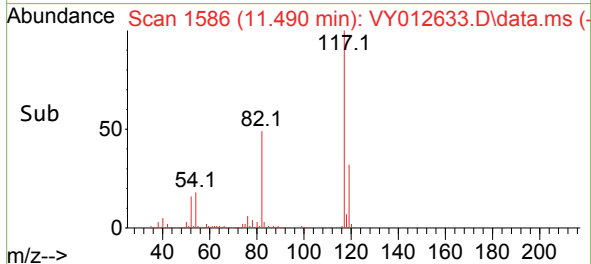


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY012633.D  
Acq: 16 Feb 2023 13:15

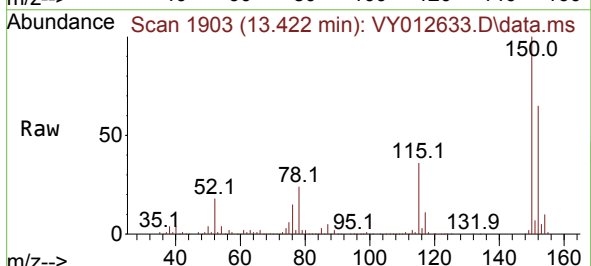
Instrument :  
MSVOA\_Y  
ClientSampleId :



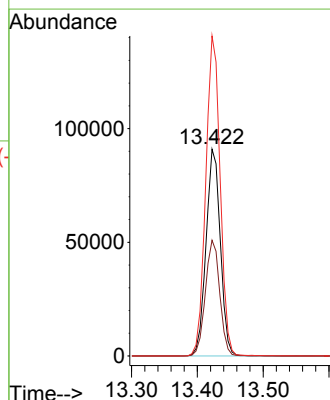
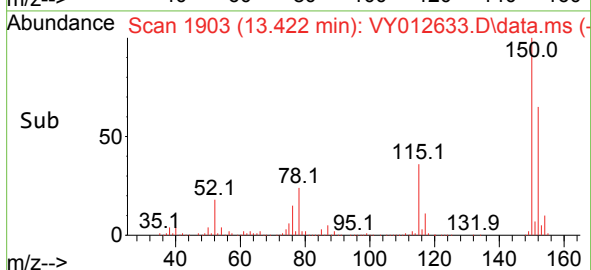
Tgt Ion:117 Resp: 271132  
Ion Ratio Lower Upper  
117 100  
82 49.0 41.7 62.5  
119 31.7 25.8 38.8

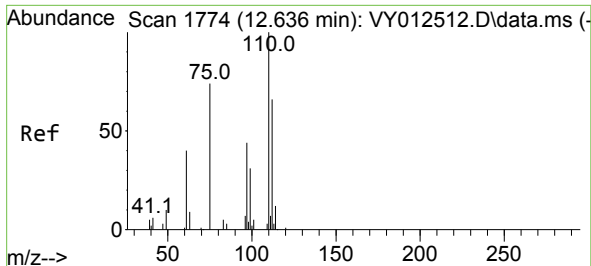


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. -0.006 min  
Lab File: VY012633.D  
Acq: 16 Feb 2023 13:15



Tgt Ion:152 Resp: 137675  
Ion Ratio Lower Upper  
152 100  
115 56.2 28.1 84.3  
150 155.3 0.0 351.0

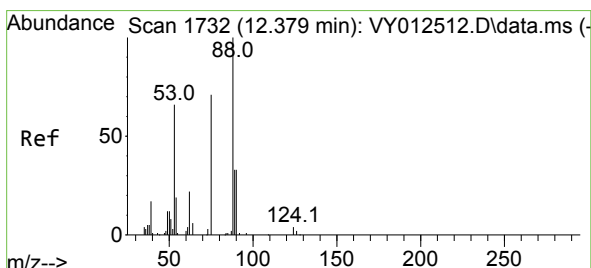
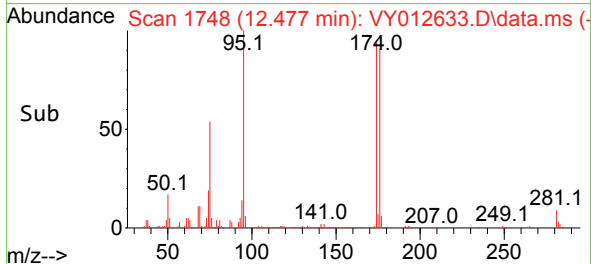
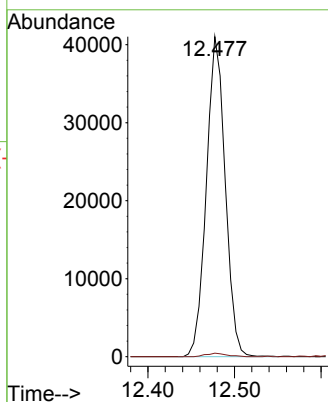
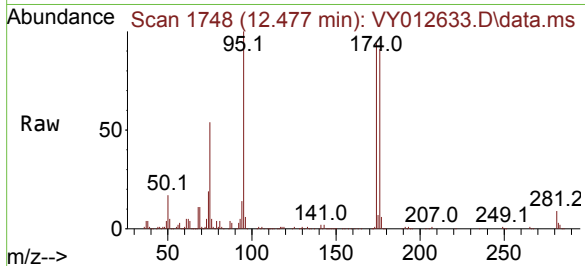




#76  
1,2,3-Trichloropropane  
Concen: 40.347 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.158 min  
Lab File: VY012633.D  
Acq: 16 Feb 2023 13:15

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 62060  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 90.985 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.098 min  
Lab File: VY012633.D  
Acq: 16 Feb 2023 13:15

Tgt Ion: 75 Resp: 62060  
Ion Ratio Lower Upper  
75 100  
53 0.3 73.1 109.7#  
89 0.1 39.9 59.9#

