

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY122723\  
 Data File : VY016873.D  
 Acq On : 27 Dec 2023 13:26  
 Operator : SY/MD  
 Sample : 06027-05  
 Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 CURB

Quant Time: Dec 28 03:44:29 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y122023S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 21 01:49:45 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.795  | 168  | 103491   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.697  | 114  | 219203   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.496 | 117  | 217304   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.434 | 152  | 85943    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 56816    | 60.138   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 120.280% |
| 35) Dibromofluoromethane    | 7.728  | 113   | 44721    | 35.616   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 71.240%  |
| 50) Toluene-d8              | 10.185 | 98    | 217457   | 48.041   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 96.080%  |
| 62) 4-Bromofluorobenzene    | 12.489 | 95    | 69786    | 47.521   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 95.040%  |

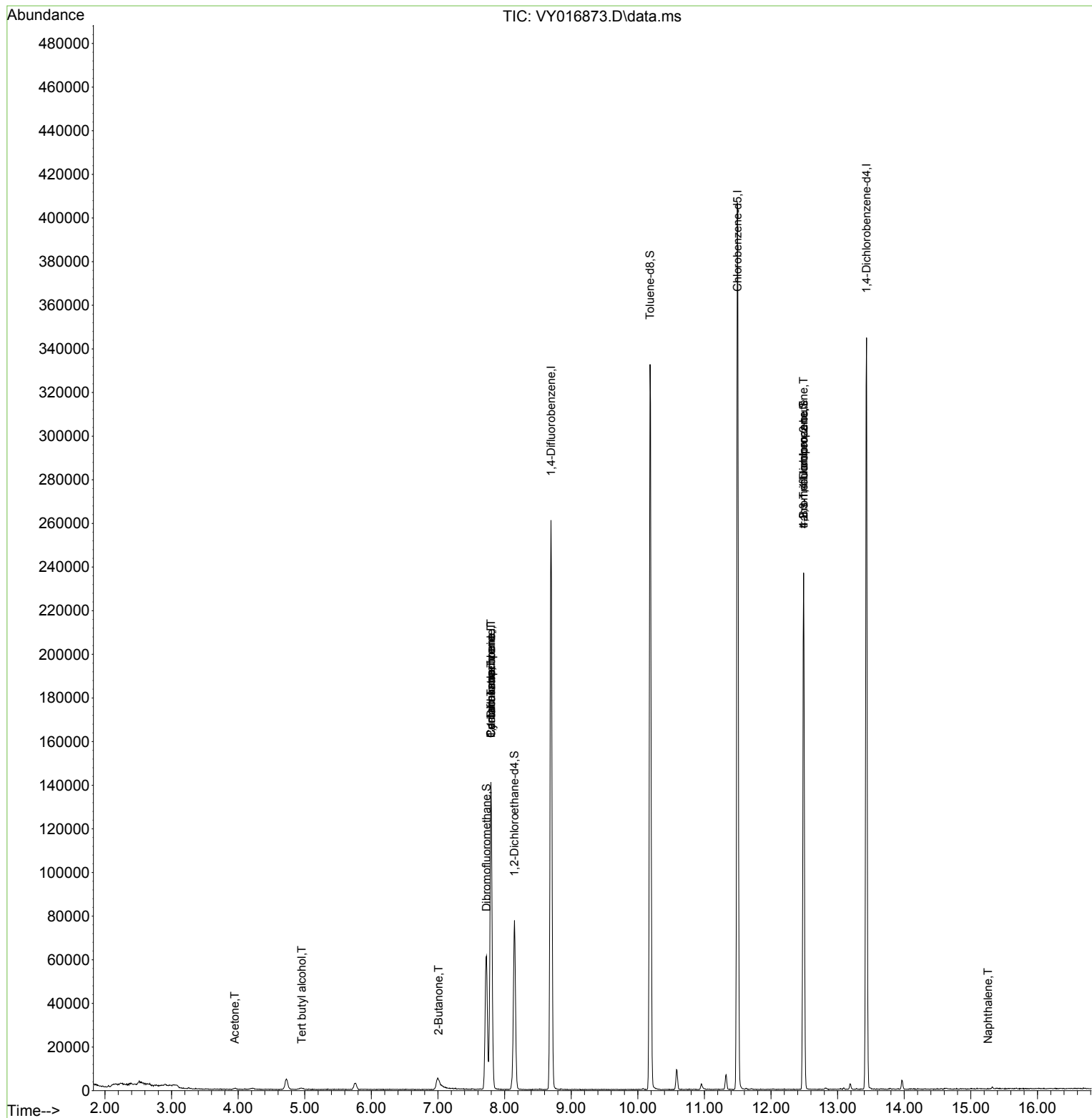
| Target Compounds              |        |     |       |        | Qvalue |     |
|-------------------------------|--------|-----|-------|--------|--------|-----|
| 11) Tert butyl alcohol        | 4.954  | 59  | 1171  | 15.117 | ug/l # | 75  |
| 16) Acetone                   | 3.948  | 43  | 908   | 3.554  | ug/l # | 85  |
| 25) 2-Butanone                | 7.009  | 43  | 376   | 1.069  | ug/l # | 48  |
| 31) Cyclohexane               | 7.795  | 56  | 2419  | 1.336  | ug/l # | 1   |
| 36) 1,1-Dichloropropene       | 7.795  | 75  | 9164  | 4.552  | ug/l # | 49  |
| 38) Carbon Tetrachloride      | 7.795  | 117 | 10619 | 5.331  | ug/l # | 18  |
| 76) 1,2,3-Trichloropropane    | 12.489 | 75  | 37825 | 39.814 | ug/l # | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.489 | 75  | 37825 | 93.500 | ug/l # | 12  |
| 95) Naphthalene               | 15.257 | 128 | 38    | 3.607  | ug/l # | 69  |

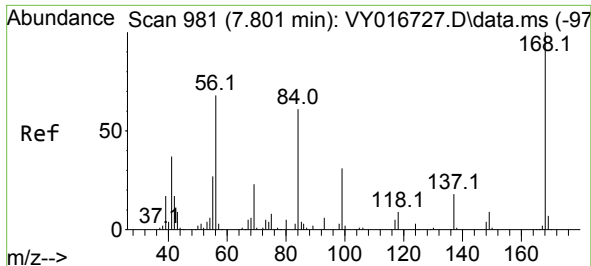
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY122723\  
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Sample : 06027-05  
Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
CURB

Quant Time: Dec 28 03:44:29 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y122023S.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 21 01:49:45 2023  
Response via : Initial Calibration

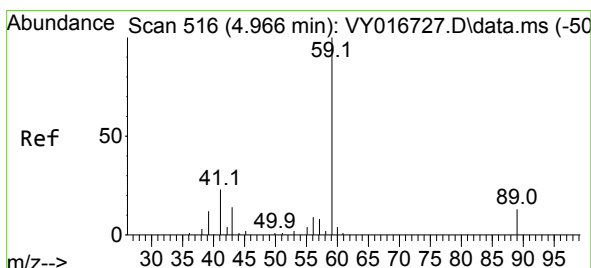
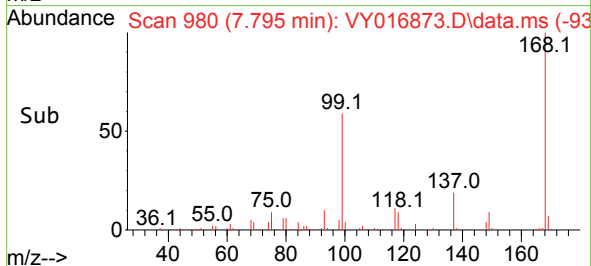
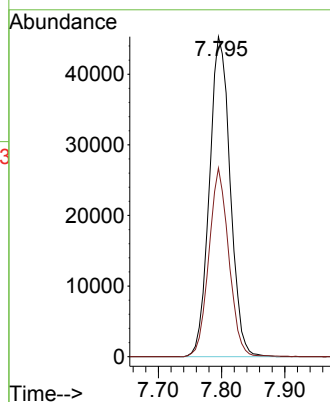
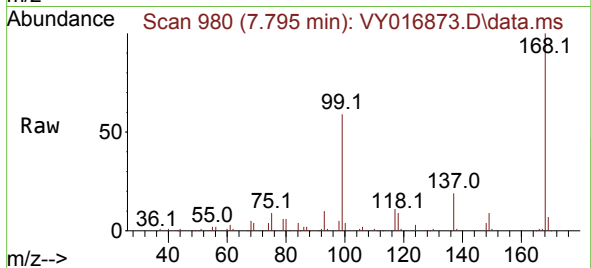




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY016873.D  
Acq: 27 Dec 2023 13:26

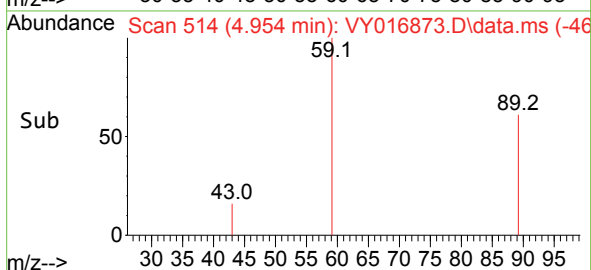
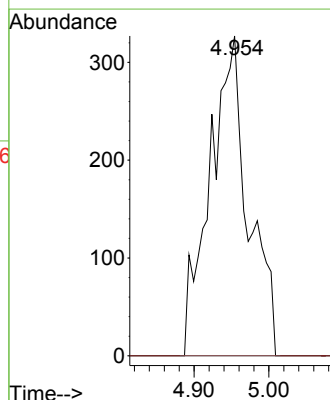
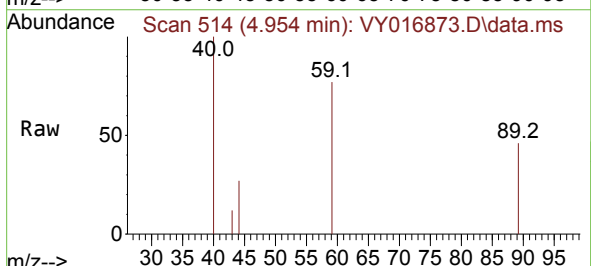
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CURB

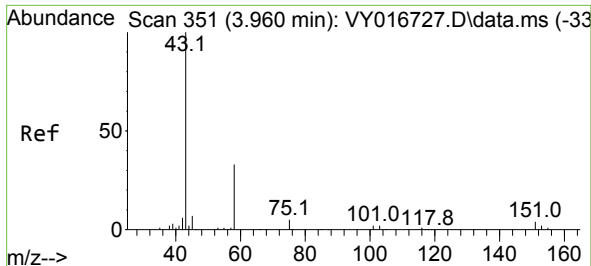
Tgt Ion:168 Resp: 103491  
Ion Ratio Lower Upper  
168 100  
99 58.9 44.2 66.4



#11  
Tert butyl alcohol  
Concen: 15.117 ug/l  
RT: 4.954 min Scan# 514  
Delta R.T. -0.012 min  
Lab File: VY016873.D  
Acq: 27 Dec 2023 13:26

Tgt Ion: 59 Resp: 1171  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.4 11.0#

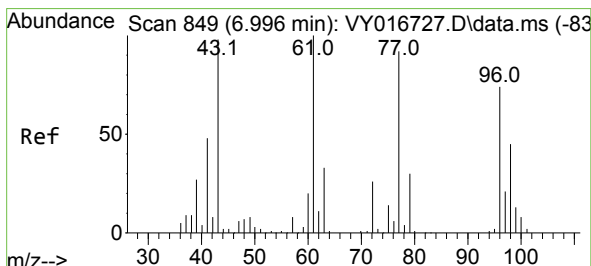
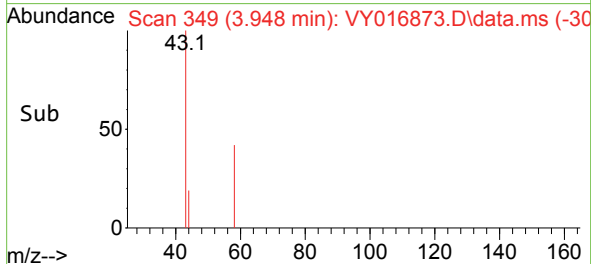
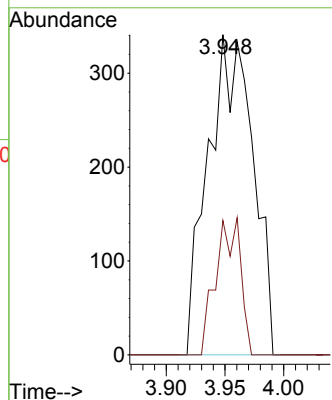
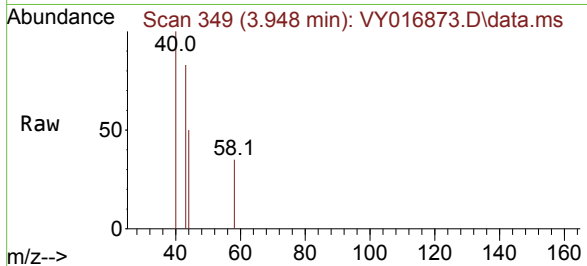




#16  
Acetone  
Concen: 3.554 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. -0.012 min  
Lab File: VY016873.D  
Acq: 27 Dec 2023 13:26

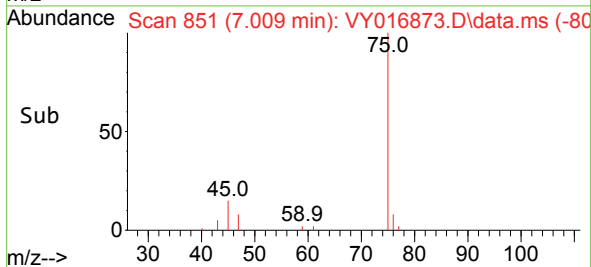
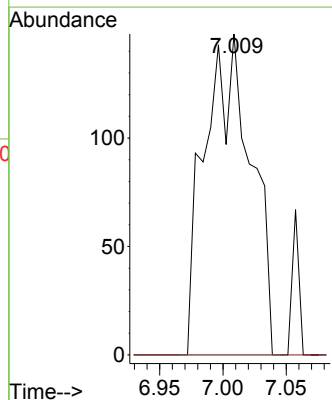
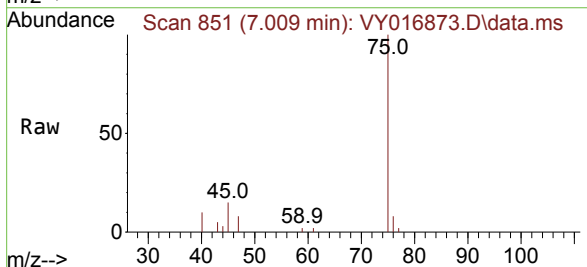
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CURB

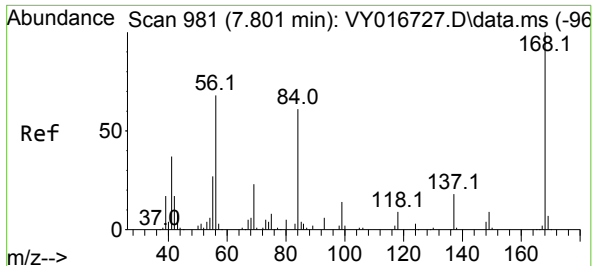
Tgt Ion: 43 Resp: 908  
Ion Ratio Lower Upper  
43 100  
58 41.9 26.6 39.8#



#25  
2-Butanone  
Concen: 1.069 ug/l  
RT: 7.009 min Scan# 851  
Delta R.T. 0.013 min  
Lab File: VY016873.D  
Acq: 27 Dec 2023 13:26

Tgt Ion: 43 Resp: 376  
Ion Ratio Lower Upper  
43 100  
72 0.0 21.4 32.2#

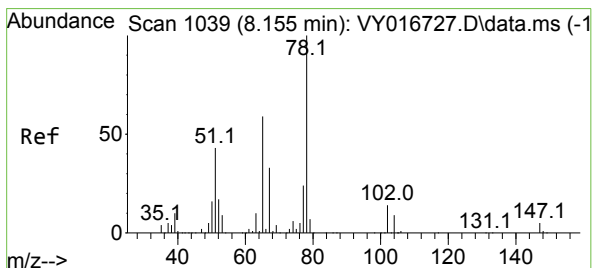
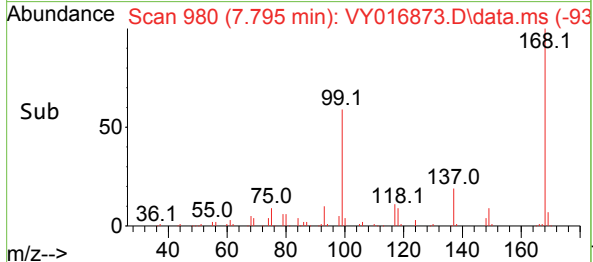
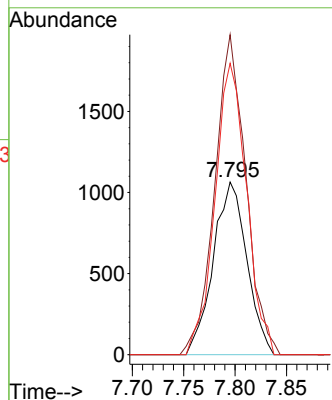
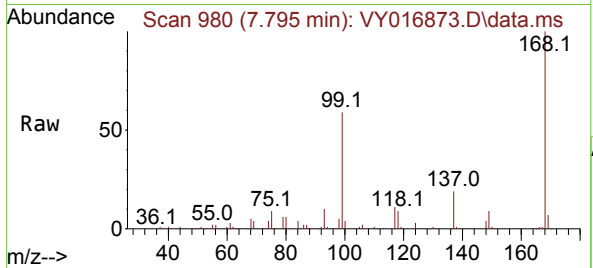




#31  
Cyclohexane  
Concen: 1.336 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY016873.D  
Acq: 27 Dec 2023 13:26

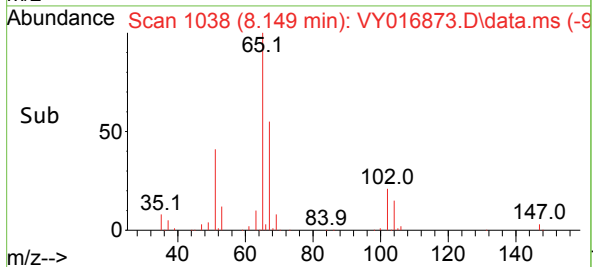
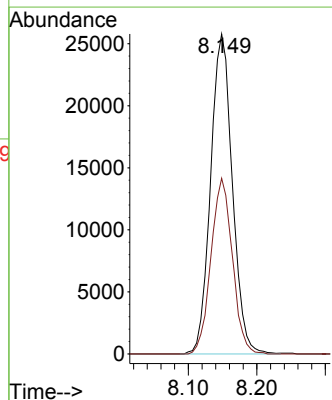
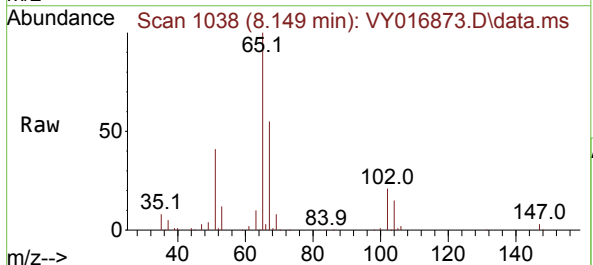
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CURB

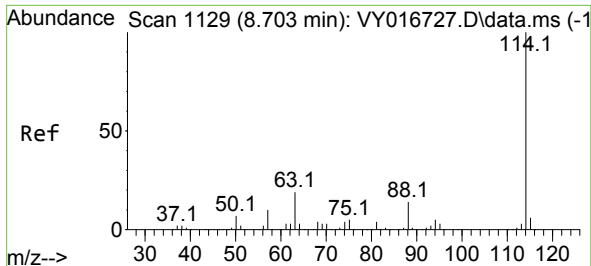
Tgt Ion: 56 Resp: 2419  
Ion Ratio Lower Upper  
56 100  
69 185.3 27.0 40.6#  
84 168.6 71.8 107.6#



#33  
1,2-Dichloroethane-d4  
Concen: 60.138 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.006 min  
Lab File: VY016873.D  
Acq: 27 Dec 2023 13:26

Tgt Ion: 65 Resp: 56816  
Ion Ratio Lower Upper  
65 100  
67 54.0 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VY016873.D

Acq: 27 Dec 2023 13:26

Instrument :

MSVOA\_Y

ClientSampleId :

CURB

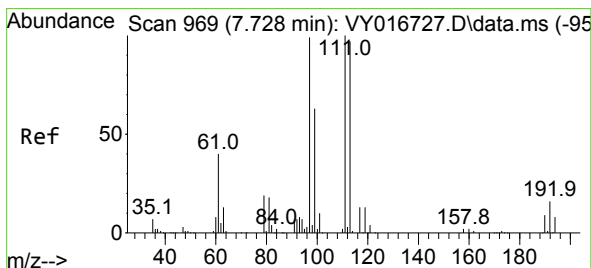
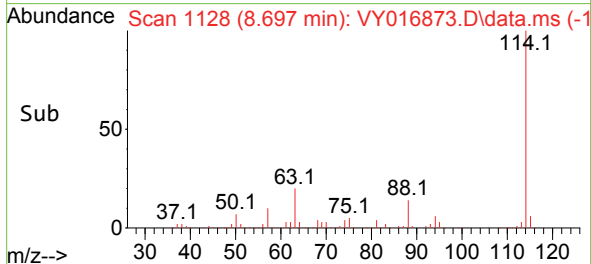
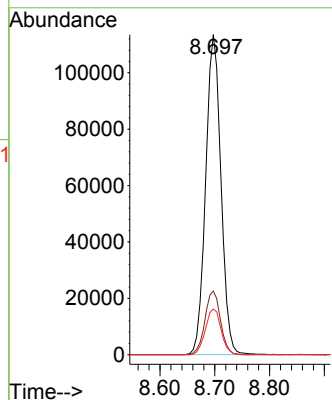
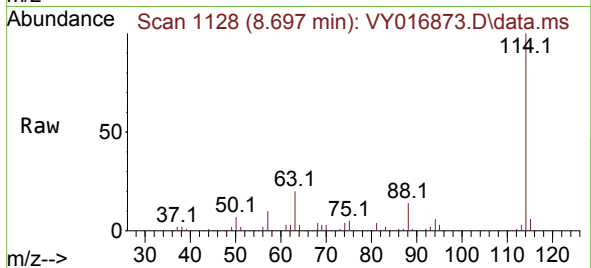
Tgt Ion:114 Resp: 219203

Ion Ratio Lower Upper

114 100

63 19.9 0.0 37.4

88 14.2 0.0 29.0



#35

Dibromofluoromethane

Concen: 35.616 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.000 min

Lab File: VY016873.D

Acq: 27 Dec 2023 13:26

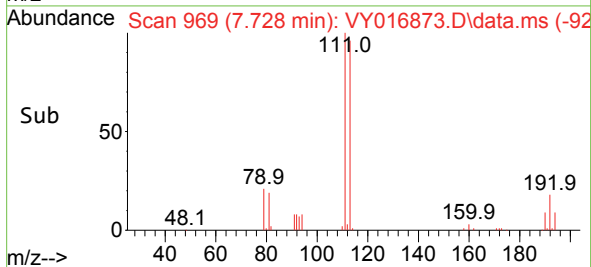
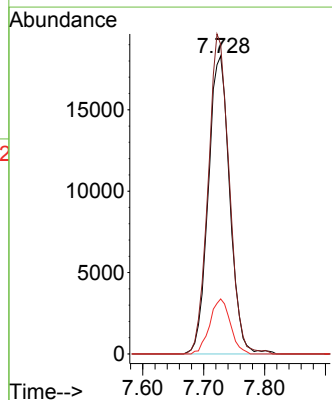
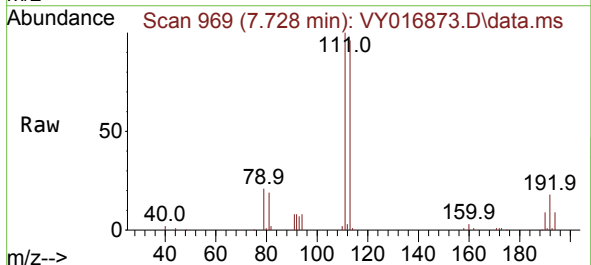
Tgt Ion:113 Resp: 44721

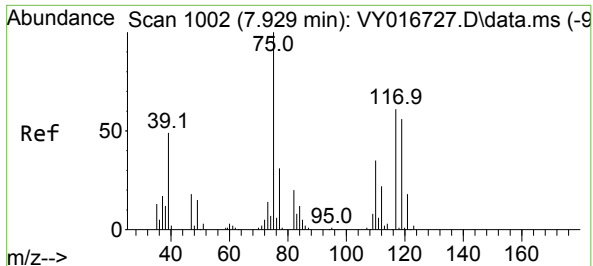
Ion Ratio Lower Upper

113 100

111 105.4 83.8 125.6

192 17.7 14.5 21.7





#36

1,1-Dichloropropene

Concen: 4.552 ug/l

RT: 7.795 min Scan# 9

Delta R.T. -0.134 min

Lab File: VY016873.D

Acq: 27 Dec 2023 13:26

Instrument :

MSVOA\_Y

ClientSampleId :

CURB

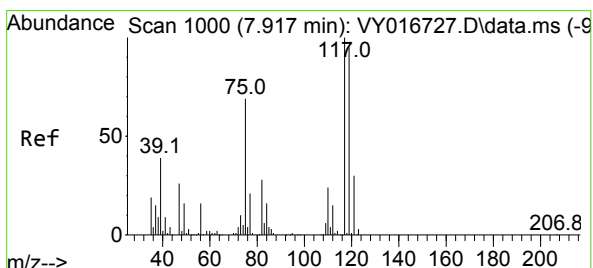
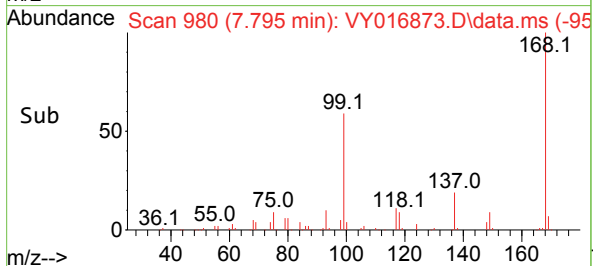
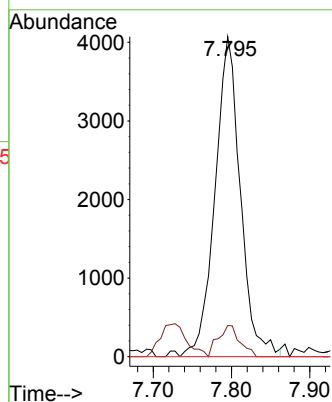
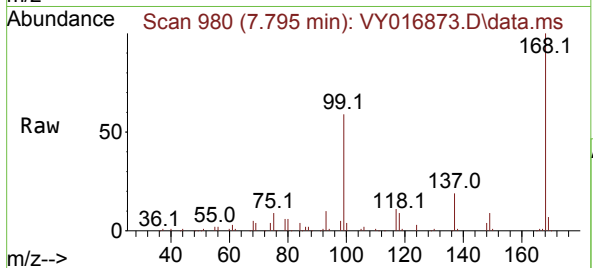
Tgt Ion: 75 Resp: 9164

Ion Ratio Lower Upper

75 100

110 8.3 17.4 52.3#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.331 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.122 min

Lab File: VY016873.D

Acq: 27 Dec 2023 13:26

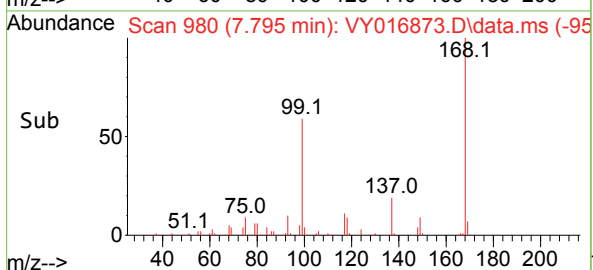
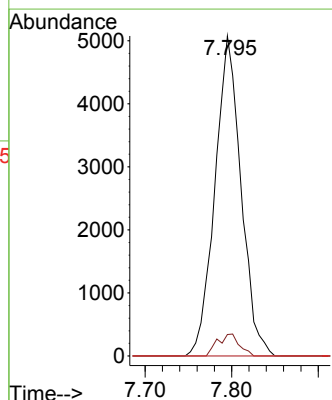
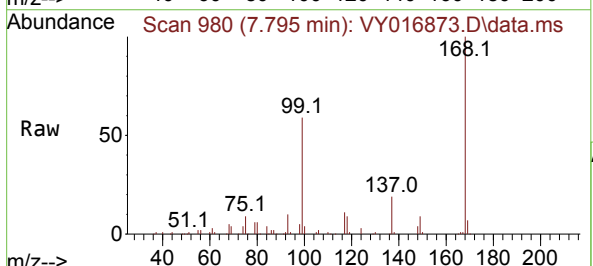
Tgt Ion: 117 Resp: 10619

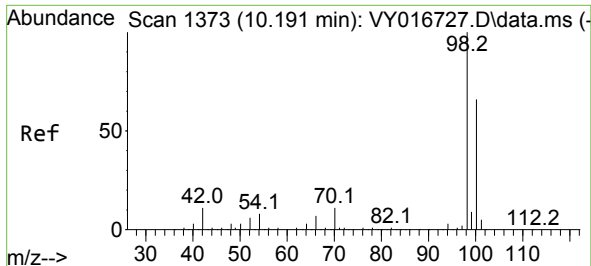
Ion Ratio Lower Upper

117 100

119 6.7 76.0 114.0#

121 0.0 24.2 36.2#

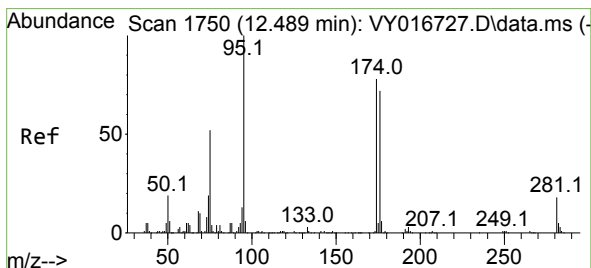
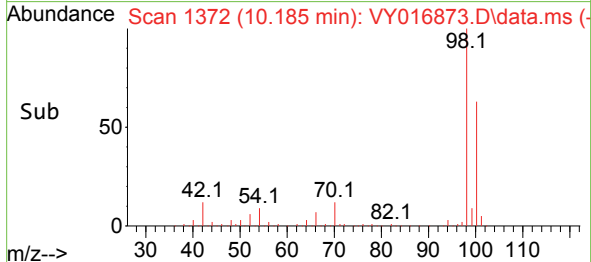
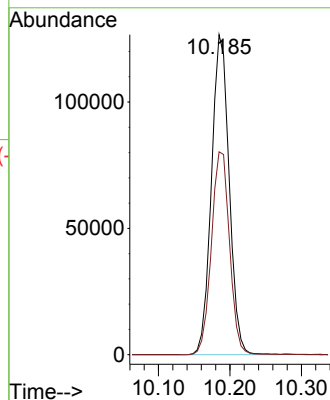
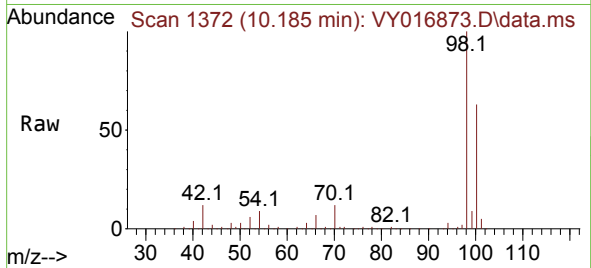




#50  
Toluene-d8  
Concen: 48.041 ug/l  
RT: 10.185 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY016873.D  
Acq: 27 Dec 2023 13:26

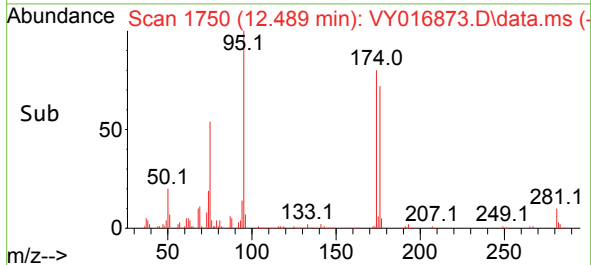
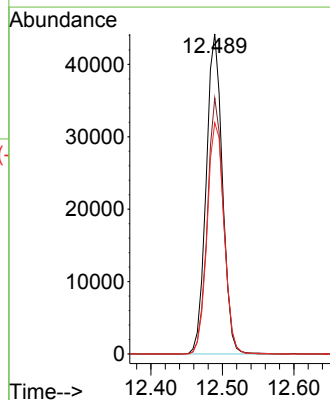
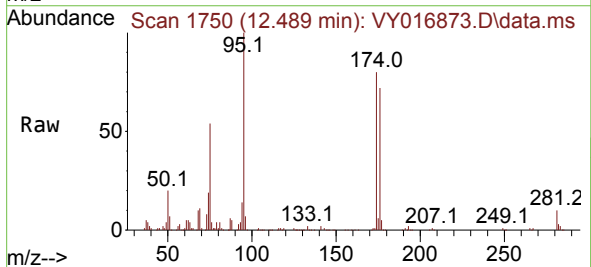
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CURB

Tgt Ion: 98 Resp: 217457  
Ion Ratio Lower Upper  
98 100  
100 65.1 52.3 78.5

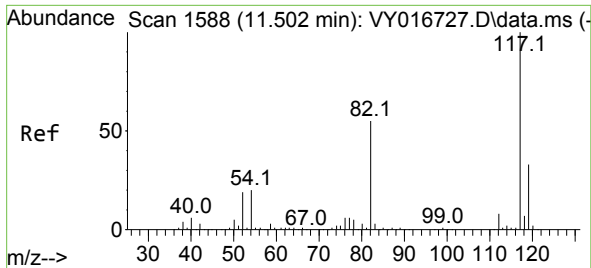


#62  
4-Bromofluorobenzene  
Concen: 47.521 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.000 min  
Lab File: VY016873.D  
Acq: 27 Dec 2023 13:26

Tgt Ion: 95 Resp: 69786  
Ion Ratio Lower Upper  
95 100  
174 79.1 0.0 160.0  
176 75.2 0.0 151.8



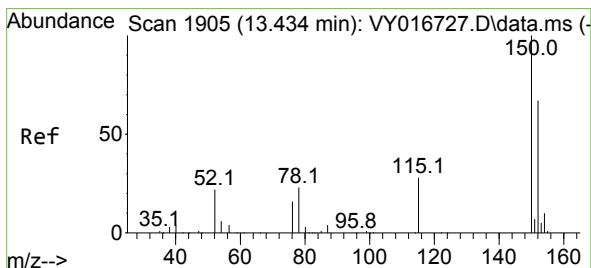
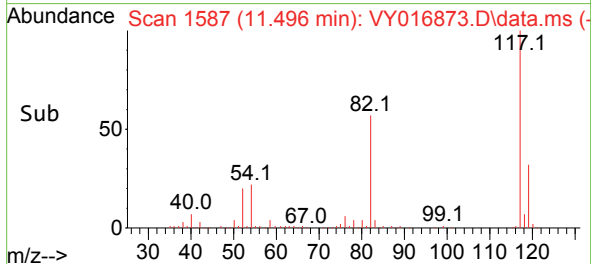
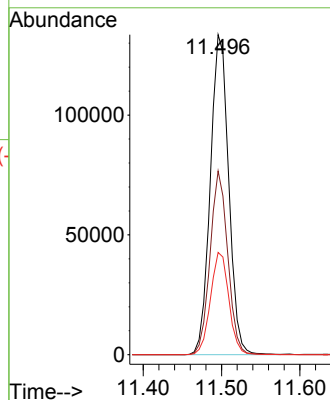
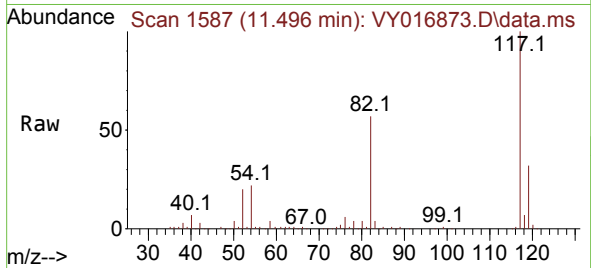




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY016873.D  
Acq: 27 Dec 2023 13:26

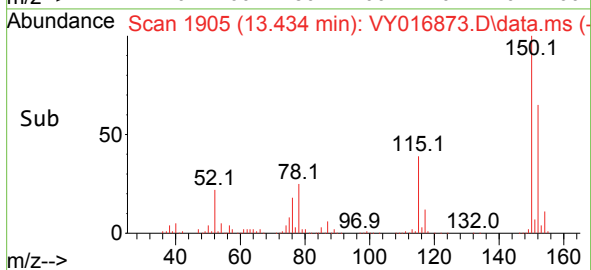
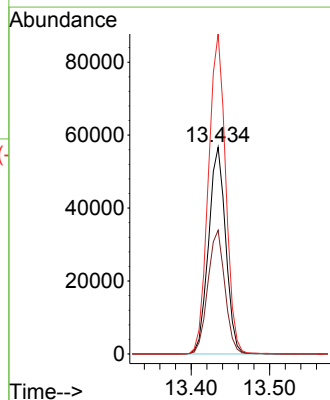
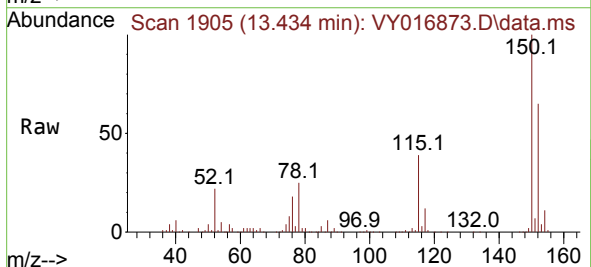
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CURB

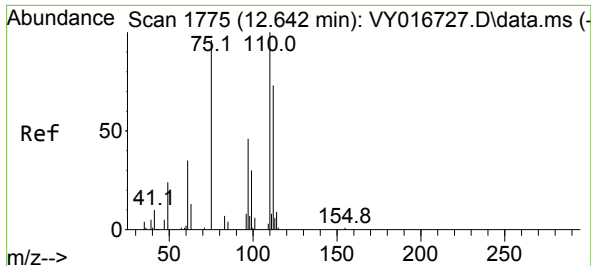
Tgt Ion:117 Resp: 217304  
Ion Ratio Lower Upper  
117 100  
82 57.4 43.8 65.8  
119 31.9 26.5 39.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.434 min Scan# 1905  
Delta R.T. 0.000 min  
Lab File: VY016873.D  
Acq: 27 Dec 2023 13:26

Tgt Ion:152 Resp: 85943  
Ion Ratio Lower Upper  
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115 59.7 30.0 90.0  
150 156.0 0.0 344.6

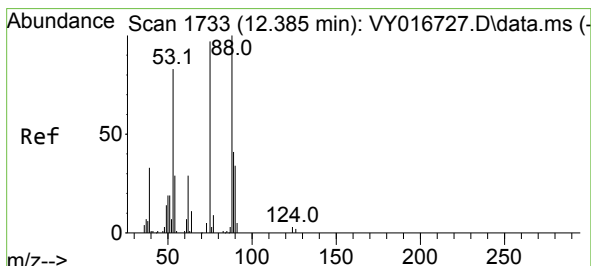
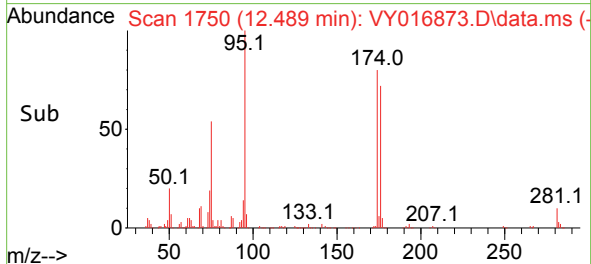
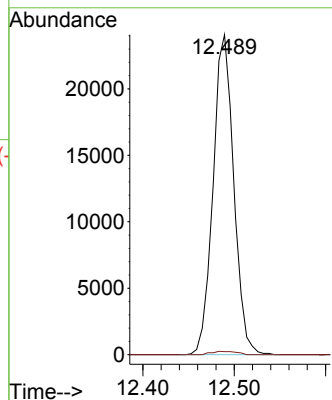
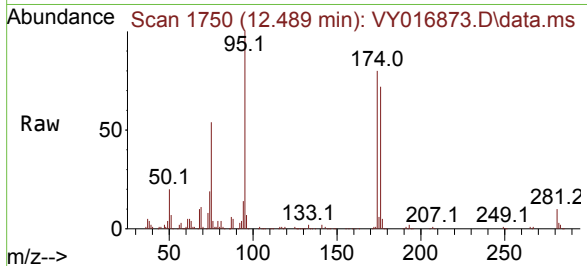




#76  
1,2,3-Trichloropropane  
Concen: 39.814 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. -0.152 min  
Lab File: VY016873.D  
Acq: 27 Dec 2023 13:26

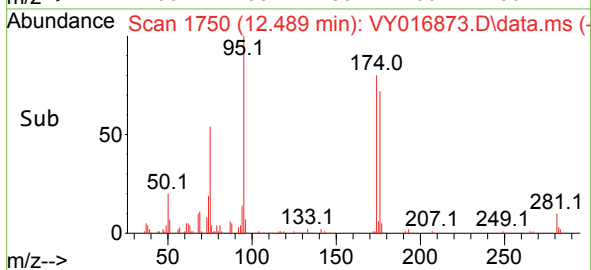
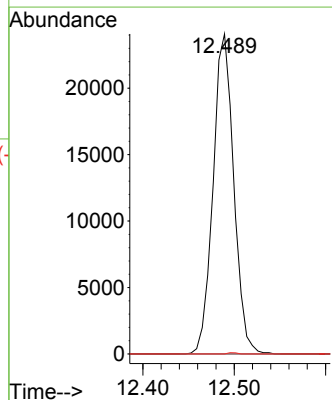
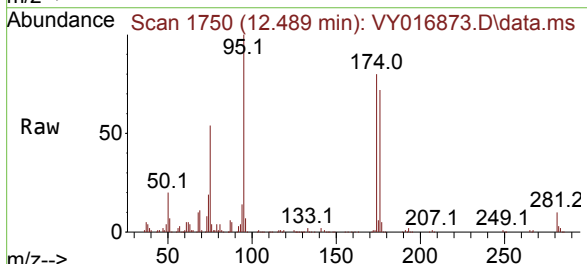
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CURB

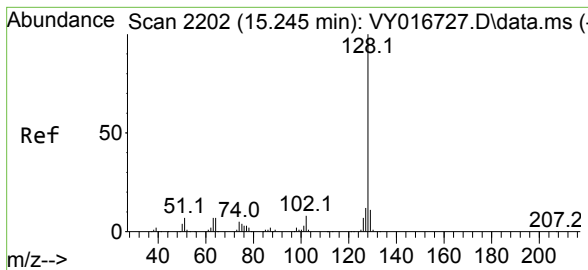
Tgt Ion: 75 Resp: 37825  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 93.500 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.104 min  
Lab File: VY016873.D  
Acq: 27 Dec 2023 13:26

Tgt Ion: 75 Resp: 37825  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.0 111.0#  
89 0.2 36.5 54.7#





#95  
 Naphthalene  
 Concen: 3.607 ug/l  
 RT: 15.257 min Scan# 21  
 Delta R.T. 0.012 min  
 Lab File: VY016873.D  
 Acq: 27 Dec 2023 13:26

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 CURB

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 38    |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 0.0   | 10.2  | 15.4# |
| 129      | 0.0   | 8.6   | 12.8# |

