

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101923\  
 Data File : VY016051.D  
 Acq On : 19 Oct 2023 20:40  
 Operator : SY/MD  
 Sample : 04843-01  
 Misc : 5.08g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Oct 20 05:42:07 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y101823S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 19 03:15:44 2023  
 Response via : Initial Calibration

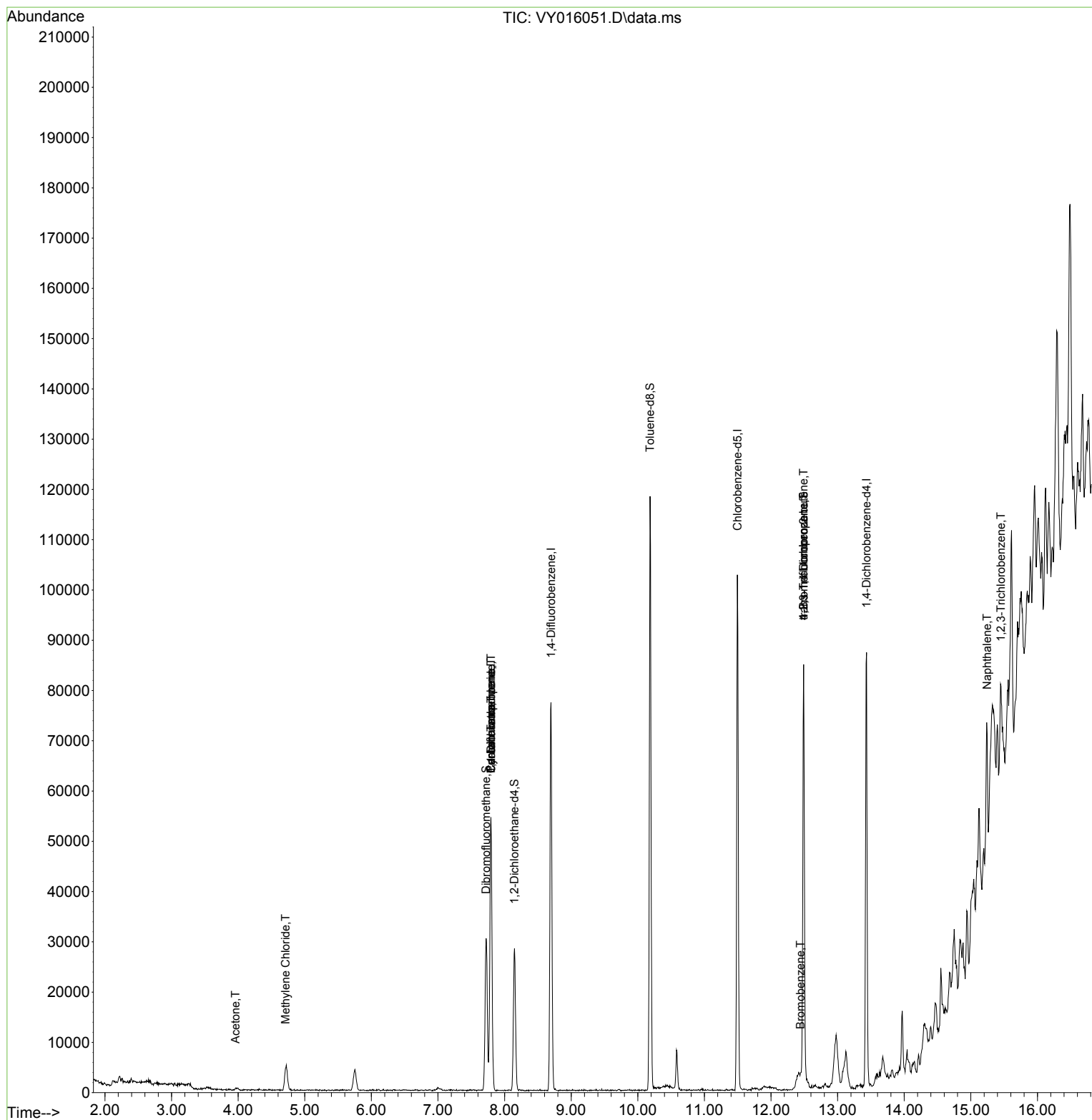
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 7.795  | 168   | 42827    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697  | 114   | 67700    | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.496 | 117   | 56392    | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.434 | 152   | 23337    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.149  | 65    | 22383    | 45.984   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | =      | 91.960%  |
| 35) Dibromofluoromethane      | 7.722  | 113   | 21794    | 48.908   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | =      | 97.820%  |
| 50) Toluene-d8                | 10.185 | 98    | 77314    | 47.772   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery | =      | 95.540%  |
| 62) 4-Bromofluorobenzene      | 12.489 | 95    | 22329    | 38.667   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery | =      | 77.340%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 16) Acetone                   | 3.960  | 43    | 364      | 2.017    | ug/l   | 95       |
| 20) Methylene Chloride        | 4.710  | 84    | 3997     | 7.457    | ug/l # | 74       |
| 31) Cyclohexane               | 7.795  | 56    | 791      | 1.038    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.795  | 75    | 3410     | 5.086    | ug/l # | 45       |
| 38) Carbon Tetrachloride      | 7.795  | 117   | 4222     | 5.925    | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 12.489 | 75    | 11917    | 36.065   | ug/l # | 100      |
| 77) Bromobenzene              | 12.441 | 156   | 479      | 1.130    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.489 | 75    | 11917    | 78.727   | ug/l # | 11       |
| 95) Naphthalene               | 15.245 | 128   | 20490    | 17.313   | ug/l   | 97       |
| 96) 1,2,3-Trichlorobenzene    | 15.452 | 180   | 788      | 1.789    | ug/l # | 26       |
| -----                         |        |       |          |          |        |          |

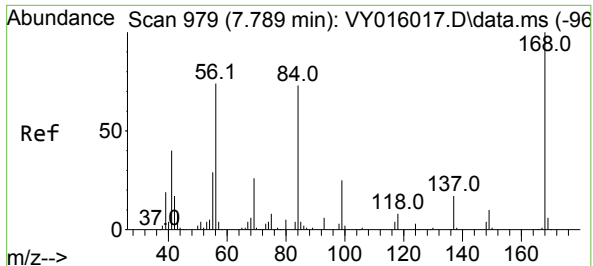
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101923\  
Data File : VY016051.D  
Acq On : 19 Oct 2023 20:40  
Operator : SY/MD  
Sample : 04843-01  
Misc : 5.08g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

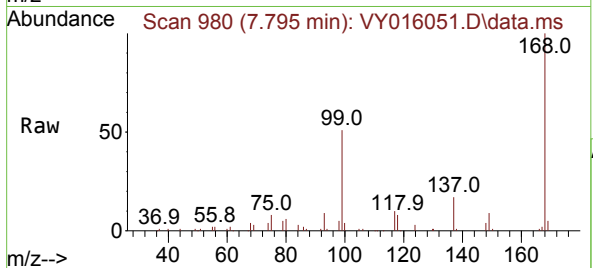
Quant Time: Oct 20 05:42:07 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y101823S.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 19 03:15:44 2023  
Response via : Initial Calibration



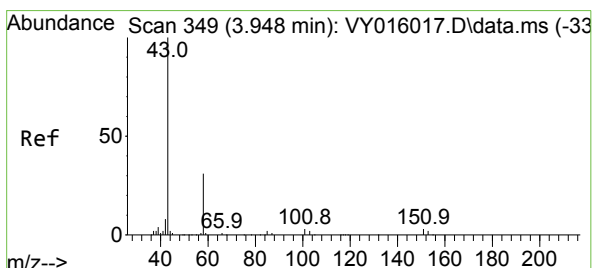
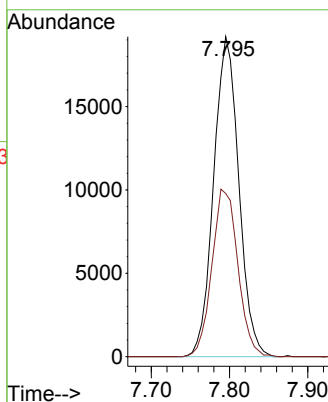
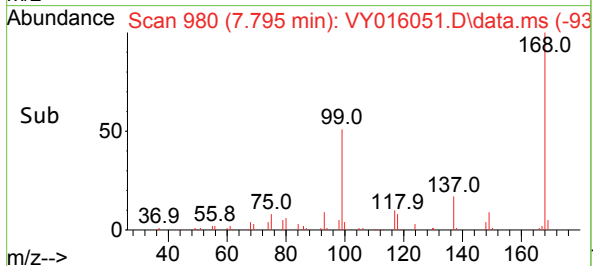


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY016051.D  
Acq: 19 Oct 2023 20:40

Instrument :  
MSVOA\_Y  
ClientSampleId :

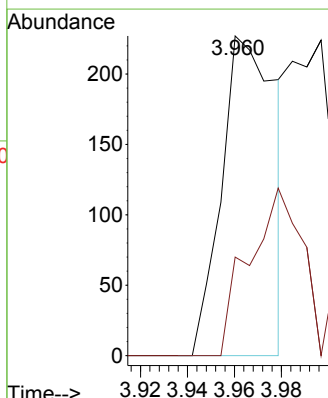
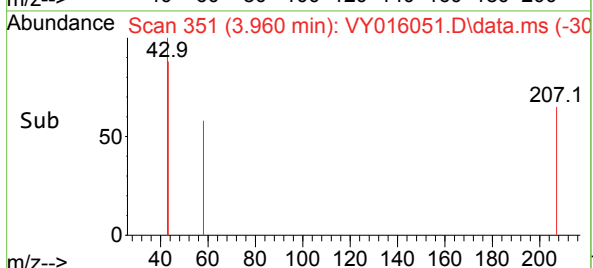
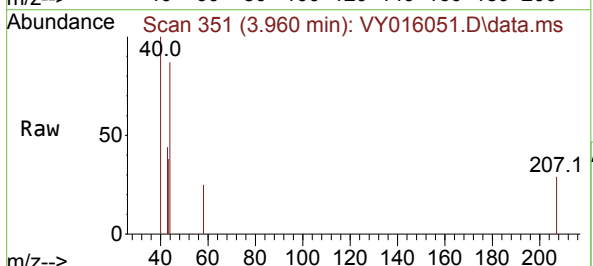


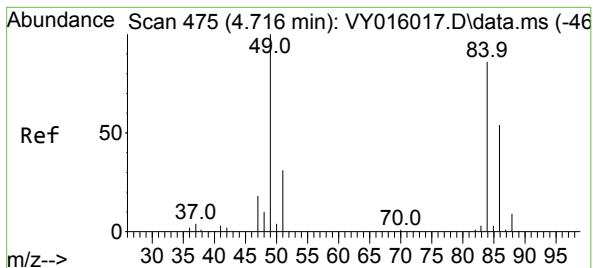
Tgt Ion:168 Resp: 42827  
Ion Ratio Lower Upper  
168 100  
99 51.0 43.4 65.0



#16  
Acetone  
Concen: 2.017 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. 0.012 min  
Lab File: VY016051.D  
Acq: 19 Oct 2023 20:40

Tgt Ion: 43 Resp: 364  
Ion Ratio Lower Upper  
43 100  
58 30.8 22.7 34.1





#20

Methylene Chloride

Concen: 7.457 ug/l

RT: 4.710 min Scan# 41

Delta R.T. -0.006 min

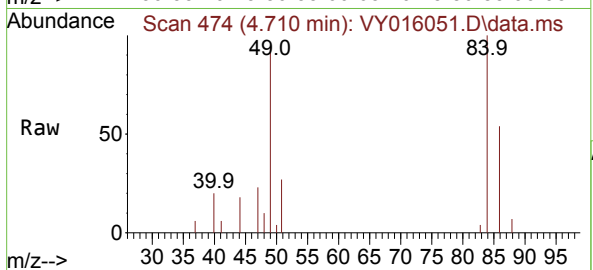
Lab File: VY016051.D

Acq: 19 Oct 2023 20:40

Instrument :

MSVOA\_Y

ClientSampleId :



Tgt Ion: 84 Resp: 3997

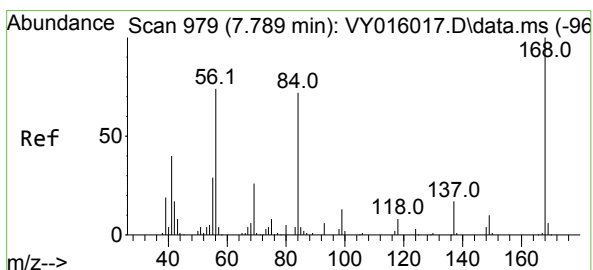
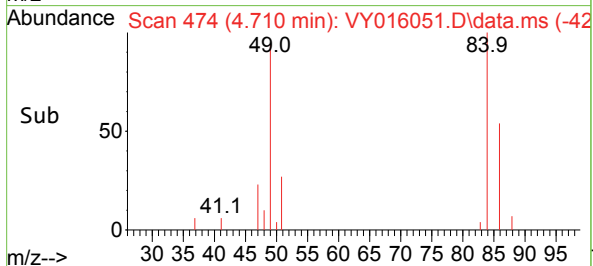
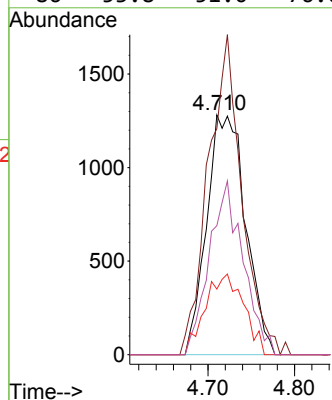
Ion Ratio Lower Upper

84 100

49 94.3 106.9 160.3#

51 27.4 33.2 49.8#

86 53.8 51.0 76.6



#31

Cyclohexane

Concen: 1.038 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY016051.D

Acq: 19 Oct 2023 20:40

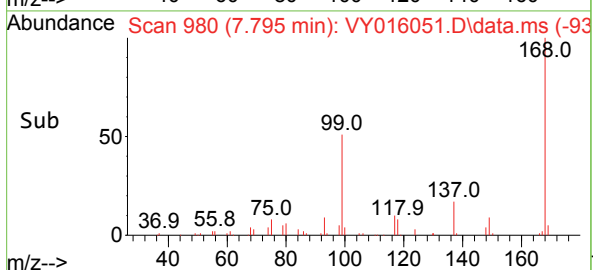
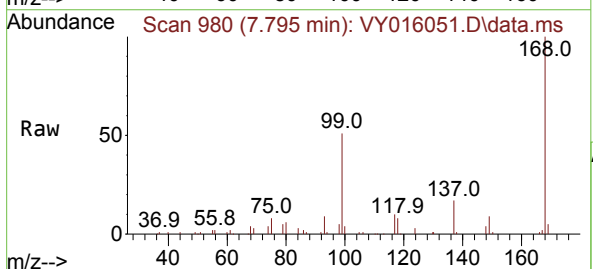
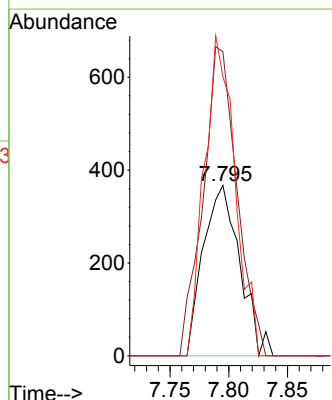
Tgt Ion: 56 Resp: 791

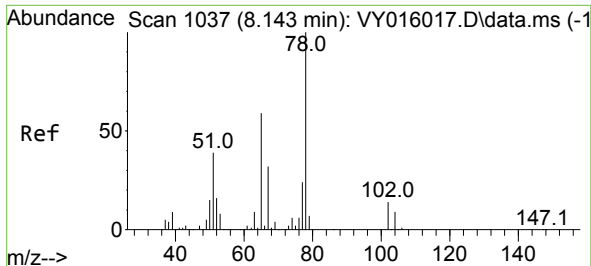
Ion Ratio Lower Upper

56 100

69 178.5 27.8 41.6#

84 163.8 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 45.984 ug/l

RT: 8.149 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY016051.D

Acq: 19 Oct 2023 20:40

Instrument :

MSVOA\_Y

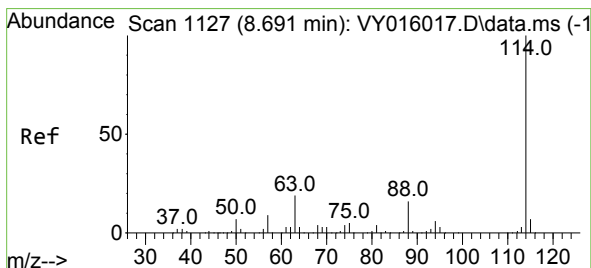
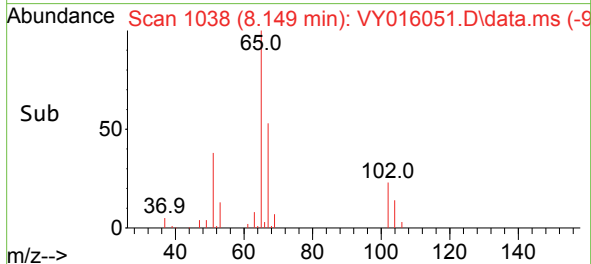
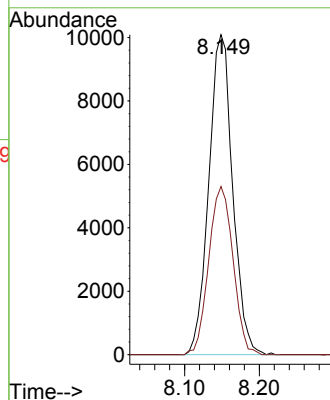
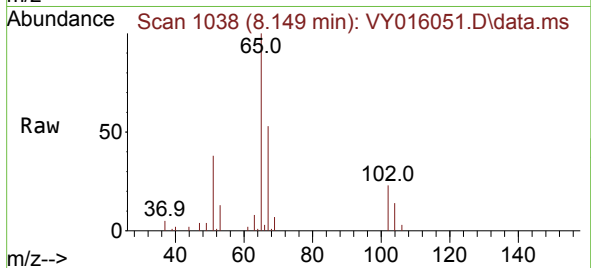
ClientSampleId :

Tgt Ion: 65 Resp: 22383

Ion Ratio Lower Upper

65 100

67 53.5 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY016051.D

Acq: 19 Oct 2023 20:40

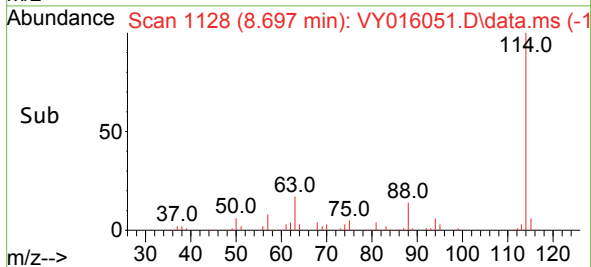
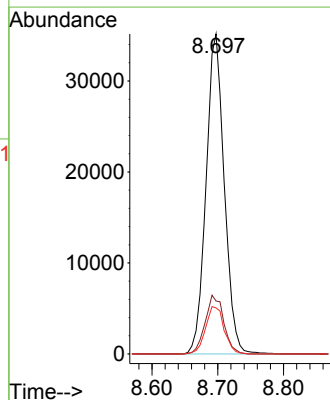
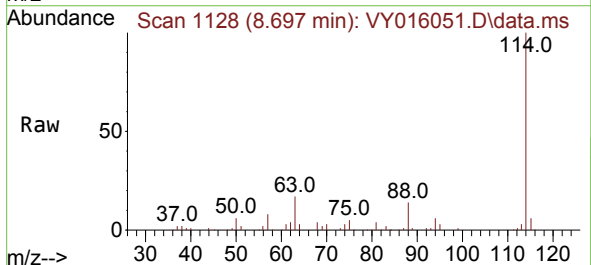
Tgt Ion: 114 Resp: 67700

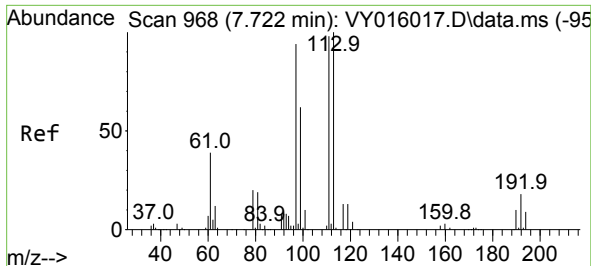
Ion Ratio Lower Upper

114 100

63 16.6 0.0 42.4

88 14.4 0.0 30.6

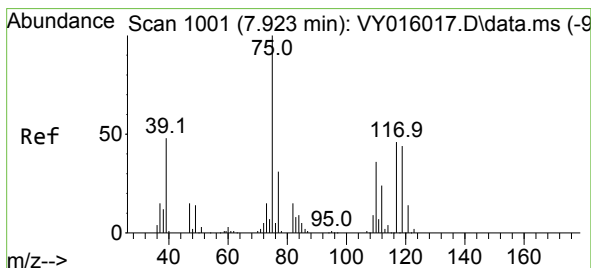
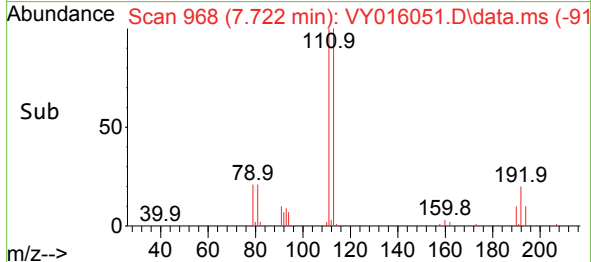
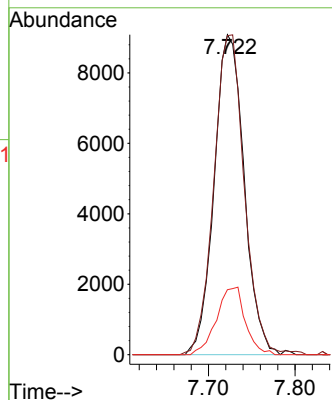
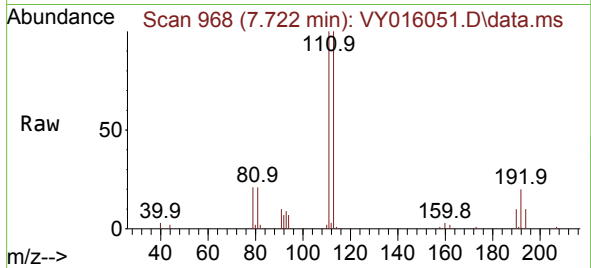




#35  
Dibromofluoromethane  
Concen: 48.908 ug/l  
RT: 7.722 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY016051.D  
Acq: 19 Oct 2023 20:40

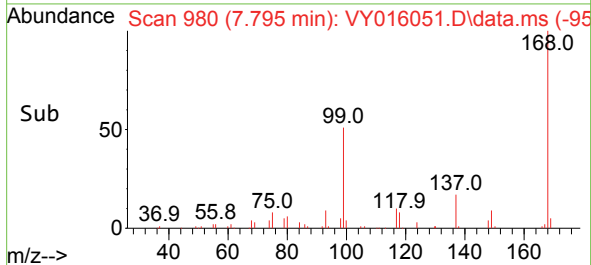
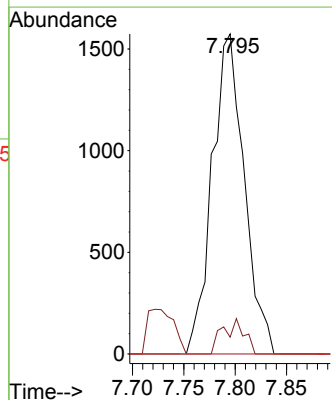
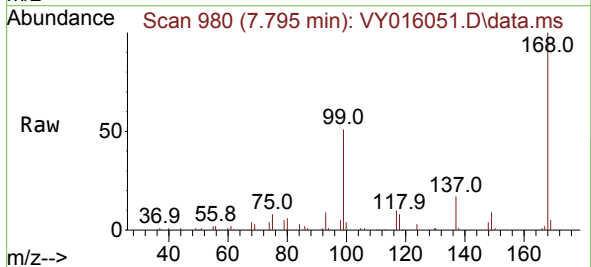
Instrument :  
MSVOA\_Y  
ClientSampleId :

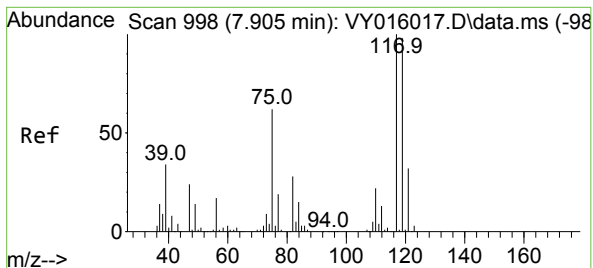
Tgt Ion:113 Resp: 21794  
Ion Ratio Lower Upper  
113 100  
111 101.9 81.3 121.9  
192 20.3 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 5.086 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.128 min  
Lab File: VY016051.D  
Acq: 19 Oct 2023 20:40

Tgt Ion: 75 Resp: 3410  
Ion Ratio Lower Upper  
75 100  
110 3.5 17.8 53.5#  
77 0.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 5.925 ug/l

RT: 7.795 min Scan# 998

Delta R.T. -0.110 min

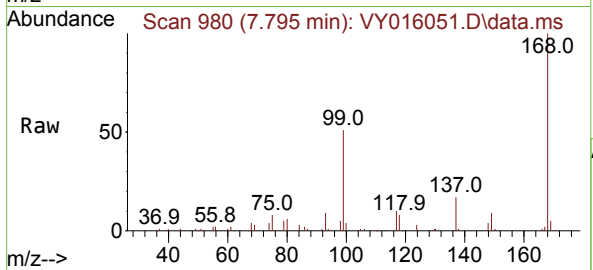
Lab File: VY016051.D

Acq: 19 Oct 2023 20:40

Instrument :

MSVOA\_Y

ClientSampleId :



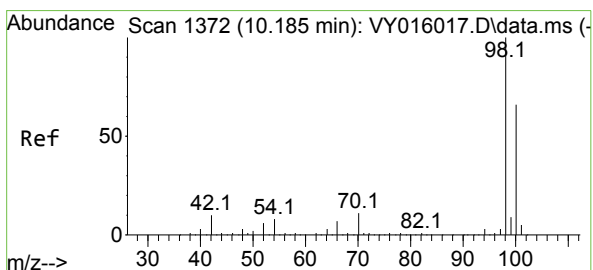
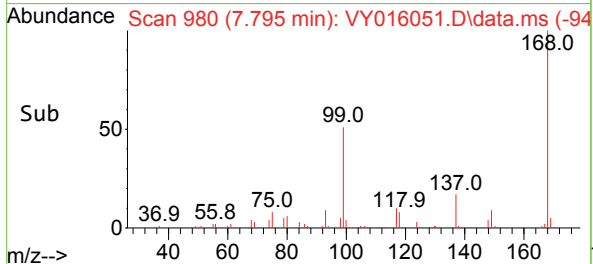
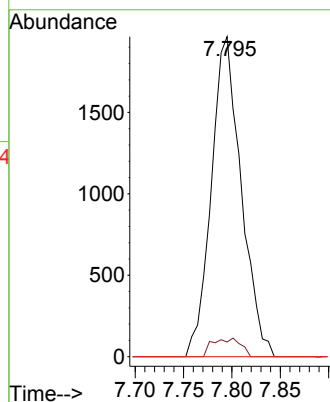
Tgt Ion:117 Resp: 4222

Ion Ratio Lower Upper

117 100

119 4.6 76.4 114.6#

121 0.0 25.8 38.6#



#50

Toluene-d8

Concen: 47.772 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. -0.000 min

Lab File: VY016051.D

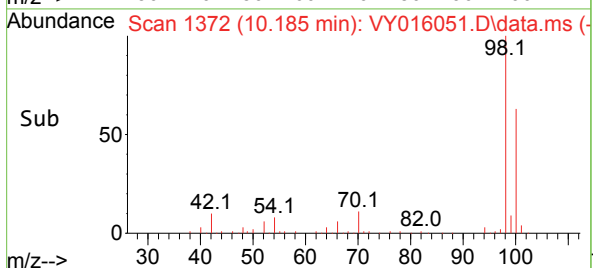
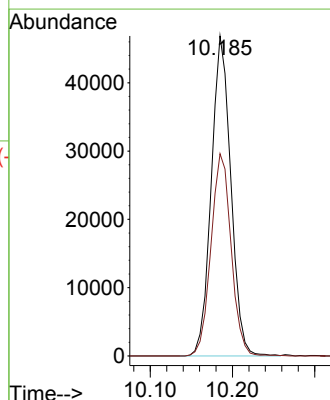
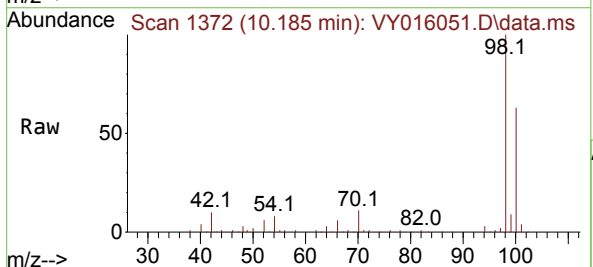
Acq: 19 Oct 2023 20:40

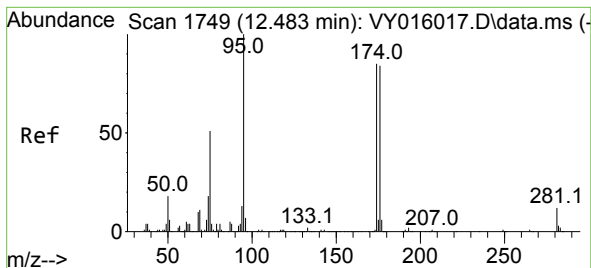
Tgt Ion: 98 Resp: 77314

Ion Ratio Lower Upper

98 100

100 65.2 50.1 75.1

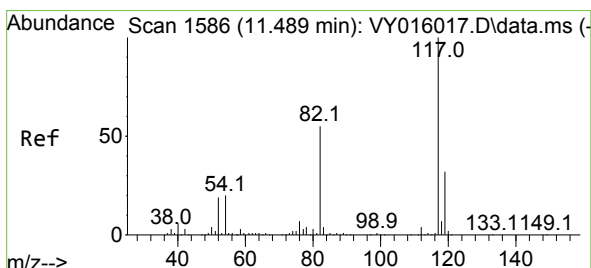
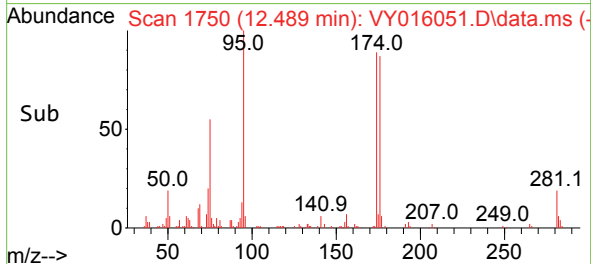
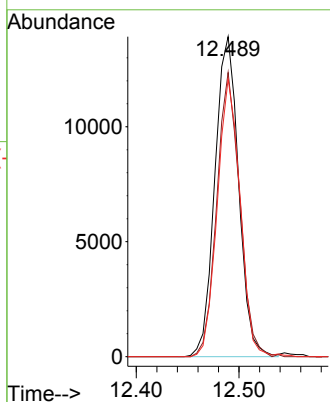
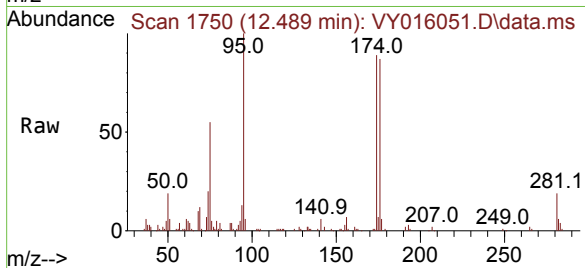




#62  
4-Bromofluorobenzene  
Concen: 38.667 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.006 min  
Lab File: VY016051.D  
Acq: 19 Oct 2023 20:40

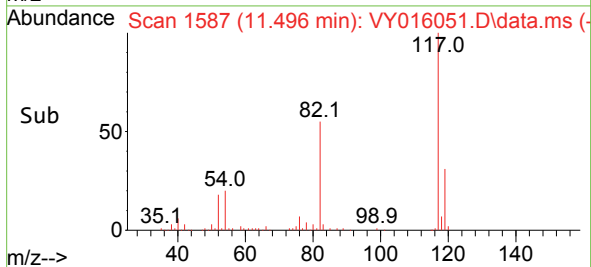
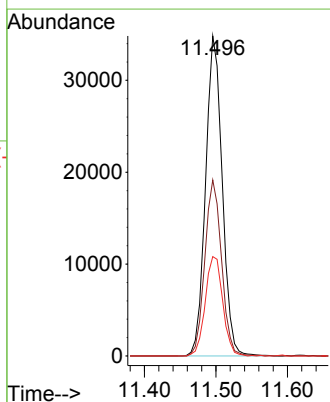
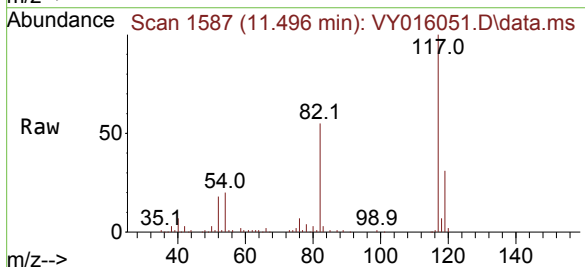
Instrument :  
MSVOA\_Y  
ClientSampleId :

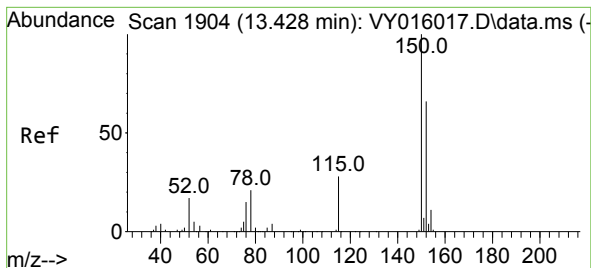
Tgt Ion: 95 Resp: 22329  
Ion Ratio Lower Upper  
95 100  
174 85.7 0.0 178.2  
176 83.5 0.0 173.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. 0.006 min  
Lab File: VY016051.D  
Acq: 19 Oct 2023 20:40

Tgt Ion: 117 Resp: 56392  
Ion Ratio Lower Upper  
117 100  
82 55.0 43.4 65.0  
119 31.0 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY016051.D

Acq: 19 Oct 2023 20:40

Instrument :

MSVOA\_Y

ClientSampleId :

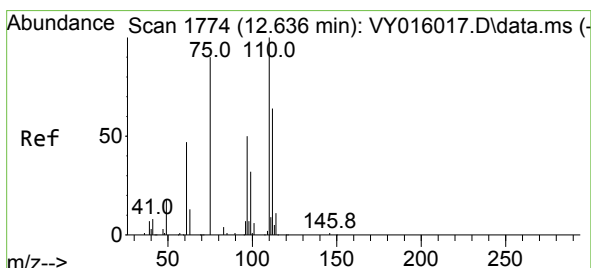
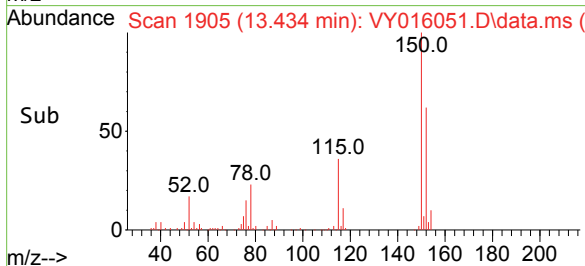
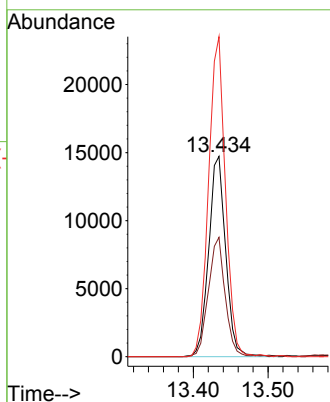
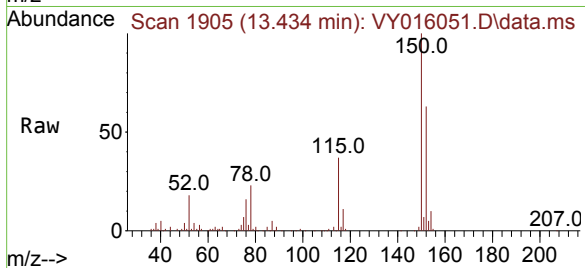
Tgt Ion:152 Resp: 23337

Ion Ratio Lower Upper

152 100

115 58.5 28.8 86.5

150 157.1 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 36.065 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.146 min

Lab File: VY016051.D

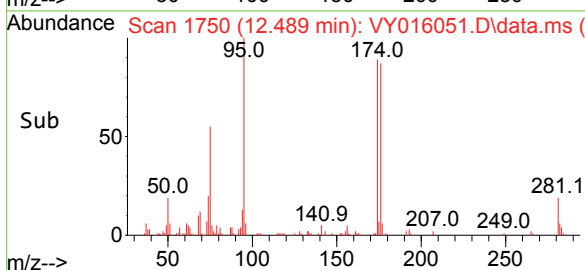
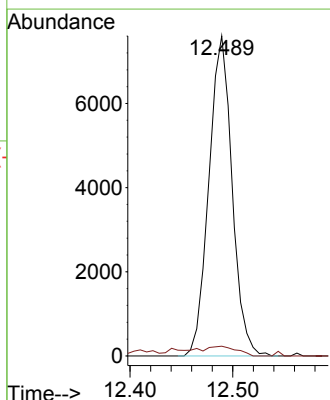
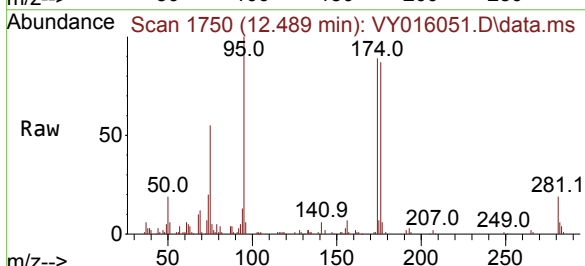
Acq: 19 Oct 2023 20:40

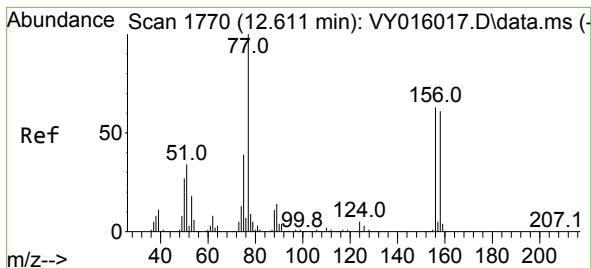
Tgt Ion: 75 Resp: 11917

Ion Ratio Lower Upper

75 100

77 3.7 0.0 0.0#





#77

Bromobenzene

Concen: 1.130 ug/l

RT: 12.441 min Scan# 1

Delta R.T. -0.171 min

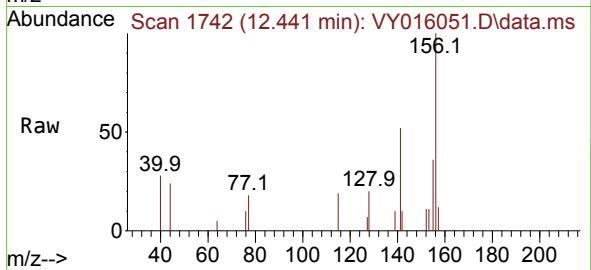
Lab File: VY016051.D

Acq: 19 Oct 2023 20:40

Instrument :

MSVOA\_Y

ClientSampleId :



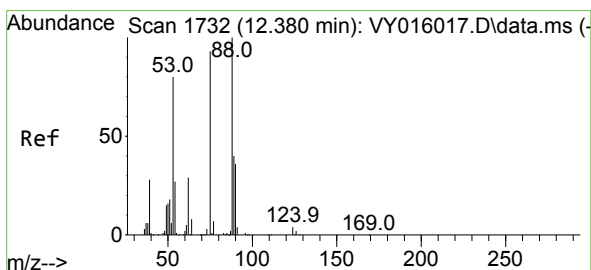
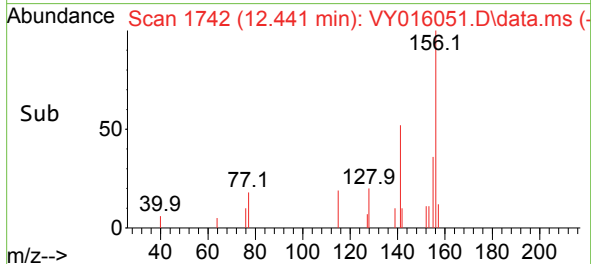
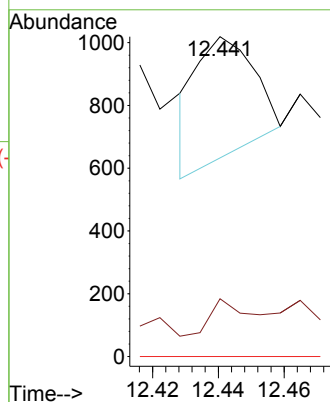
Tgt Ion:156 Resp: 479

Ion Ratio Lower Upper

156 100

77 40.5 92.8 278.6#

158 0.0 48.4 145.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 78.727 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.110 min

Lab File: VY016051.D

Acq: 19 Oct 2023 20:40

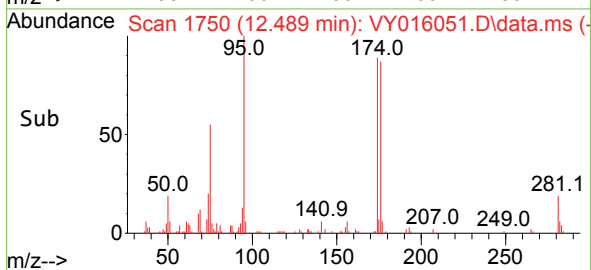
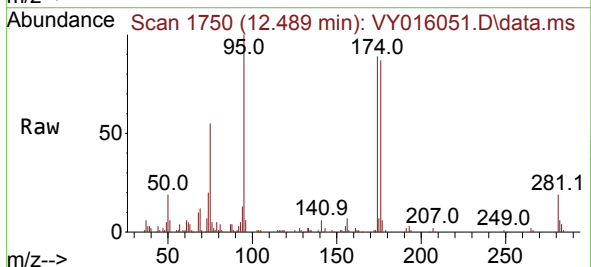
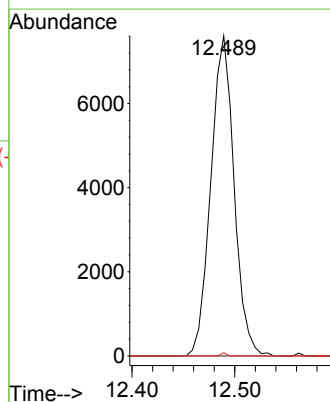
Tgt Ion: 75 Resp: 11917

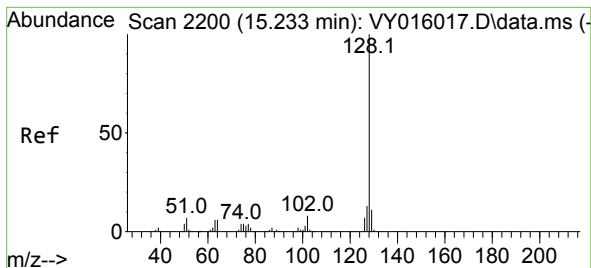
Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.2 37.4 56.0#





#95

Naphthalene

Concen: 17.313 ug/l

RT: 15.245 min Scan# 2200

Delta R.T. 0.012 min

Lab File: VY016051.D

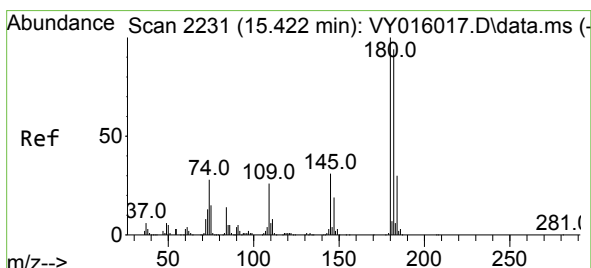
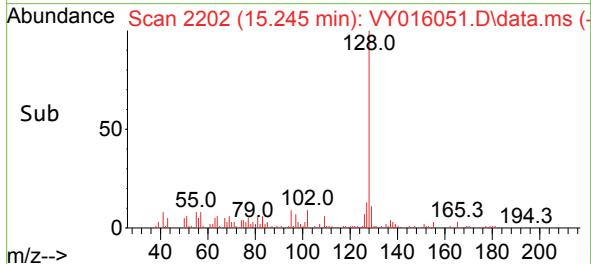
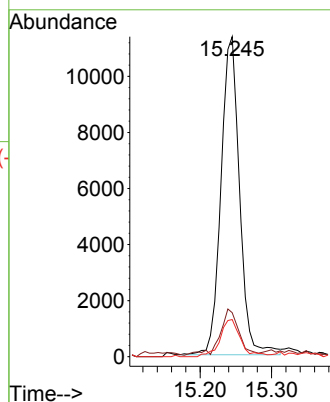
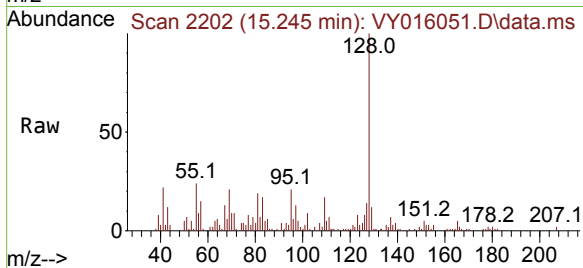
Acq: 19 Oct 2023 20:40

Instrument :

MSVOA\_Y

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 20490 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 12.9  | 10.8  | 16.2  |
| 129       | 12.8  | 8.6   | 13.0  |



#96

1,2,3-Trichlorobenzene

Concen: 1.789 ug/l

RT: 15.452 min Scan# 2236

Delta R.T. 0.030 min

Lab File: VY016051.D

Acq: 19 Oct 2023 20:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 788    |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 9.0   | 47.3  | 141.8# |
| 145       | 14.5  | 15.4  | 46.2#  |

