

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061923\  
 Data File : VY014240.D  
 Acq On : 19 Jun 2023 20:06  
 Operator : KP/MD  
 Sample : 03320-01  
 Misc : 2.37g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 WC-19

Quant Time: Jun 20 05:01:32 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060923S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 09 18:07:13 2023  
 Response via : Initial Calibration

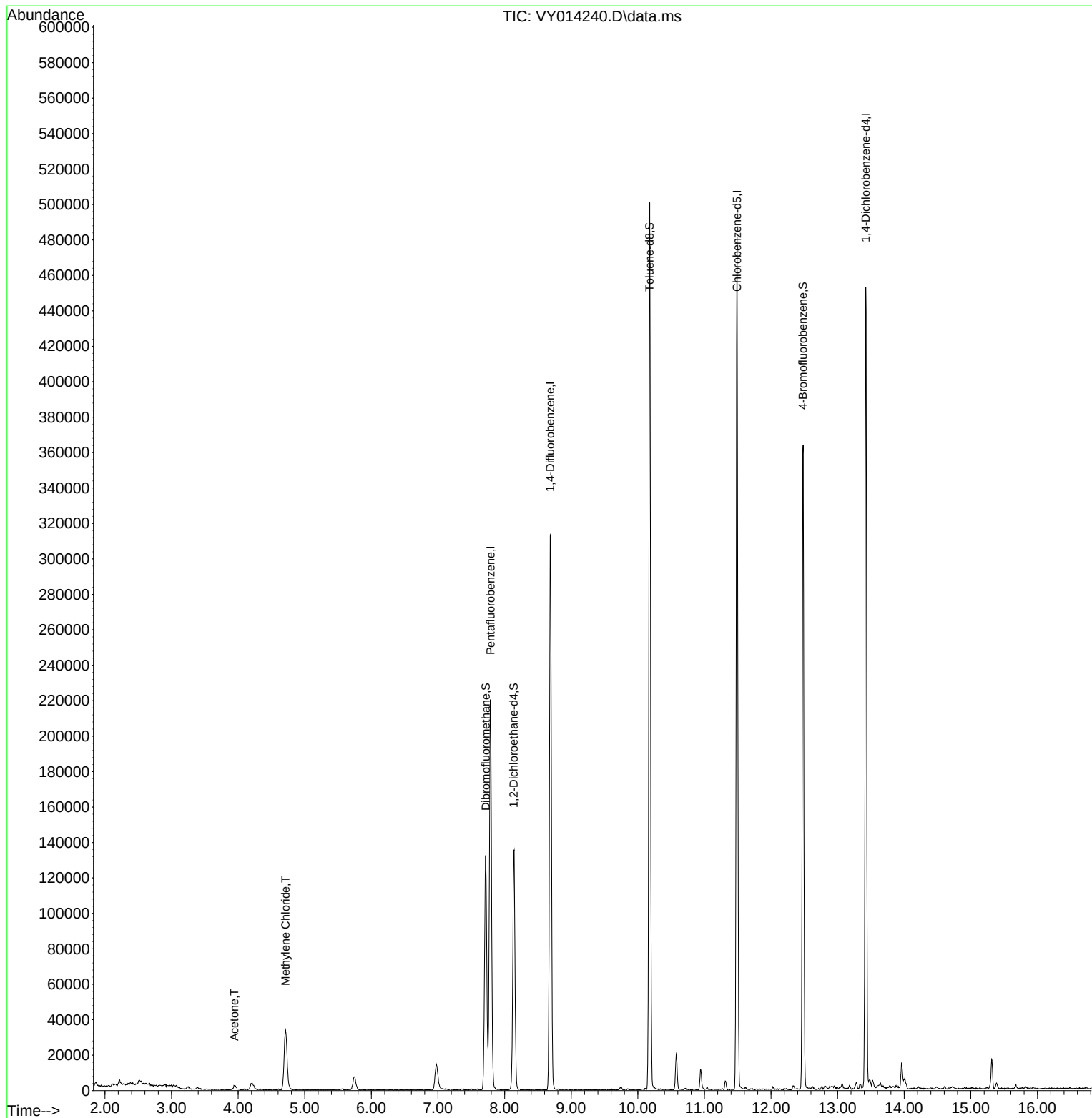
| Compound                    | R.T.           | QIon | Response   | Conc    | Units | Dev(Min) |
|-----------------------------|----------------|------|------------|---------|-------|----------|
| -----                       |                |      |            |         |       |          |
| Internal Standards          |                |      |            |         |       |          |
| 1) Pentafluorobenzene       | 7.789          | 168  | 170798     | 50.000  | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.685          | 114  | 267533     | 50.000  | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.489         | 117  | 254069     | 50.000  | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422         | 152  | 118824     | 50.000  | ug/l  | 0.00     |
|                             |                |      |            |         |       |          |
| System Monitoring Compounds |                |      |            |         |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.136          | 65   | 112379     | 47.250  | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 50 - 163 |      | Recovery = | 94.500% |       |          |
| 35) Dibromofluoromethane    | 7.716          | 113  | 87997      | 46.380  | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 54 - 147 |      | Recovery = | 92.760% |       |          |
| 50) Toluene-d8              | 10.179         | 98   | 323523     | 45.610  | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 58 - 134 |      | Recovery = | 91.220% |       |          |
| 62) 4-Bromofluorobenzene    | 12.477         | 95   | 102840     | 40.814  | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 30 - 143 |      | Recovery = | 81.620% |       |          |
|                             |                |      |            |         |       |          |
| Target Compounds            |                |      |            |         |       | Qvalue   |
| 16) Acetone                 | 3.942          | 43   | 4798       | 6.693   | ug/l  | 93       |
| 20) Methylene Chloride      | 4.710          | 84   | 25444      | 8.113   | ug/l  | 95       |
| -----                       |                |      |            |         |       |          |

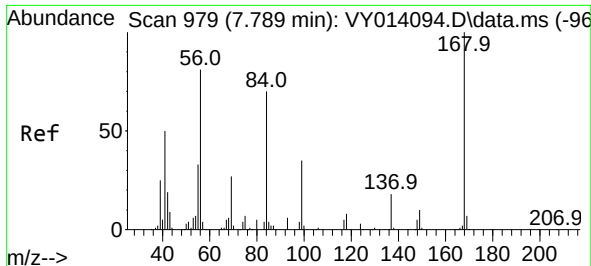
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060923S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 09 18:07:13 2023  
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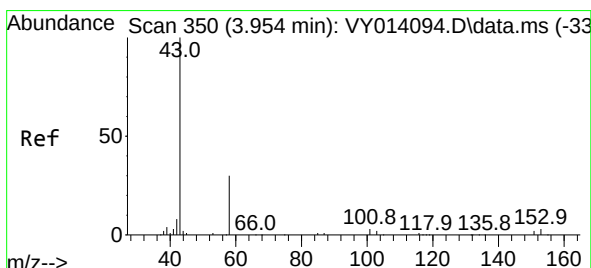
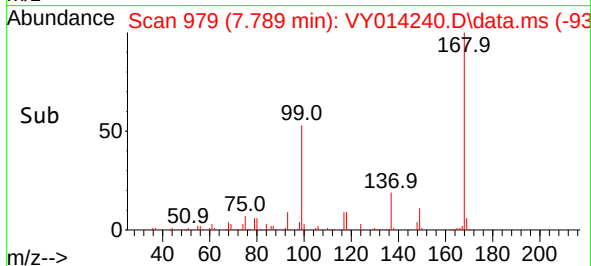
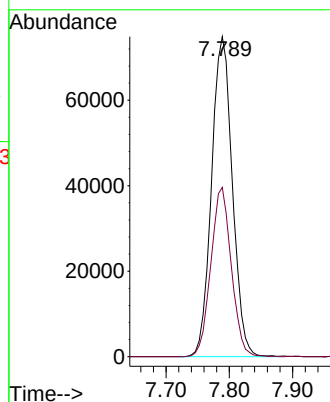
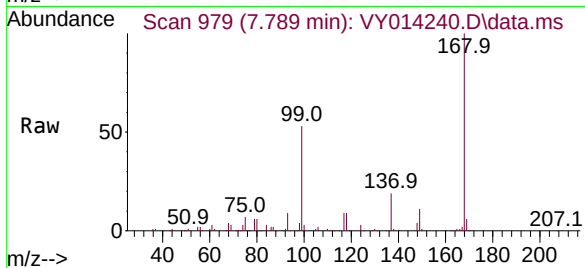




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY014240.D  
Acq: 19 Jun 2023 20:06

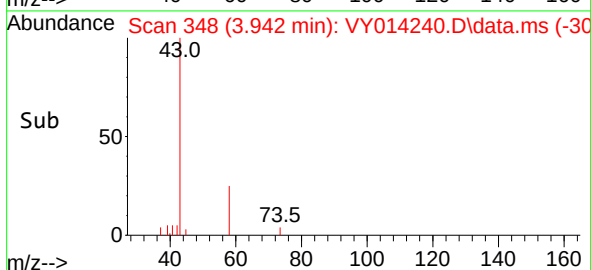
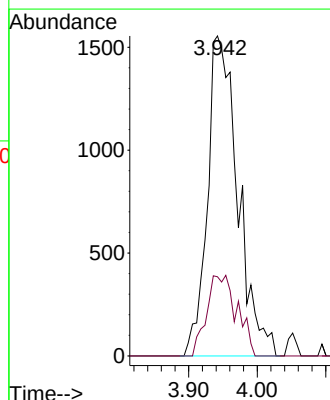
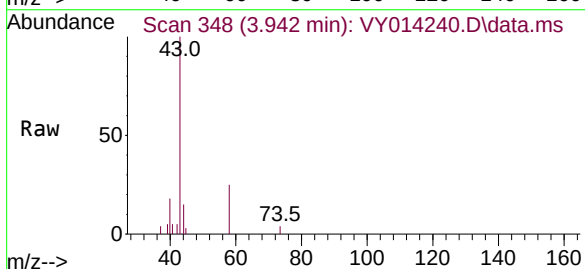
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-19

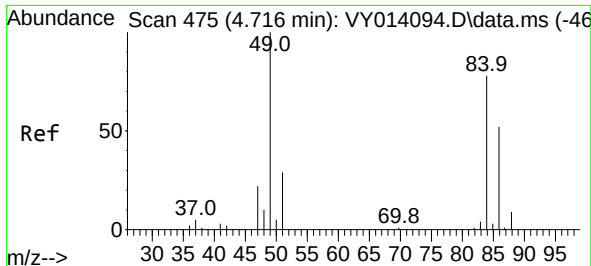
Tgt Ion:168 Resp: 170798  
Ion Ratio Lower Upper  
168 100  
99 52.9 43.4 65.0



#16  
Acetone  
Concen: 6.693 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. -0.012 min  
Lab File: VY014240.D  
Acq: 19 Jun 2023 20:06

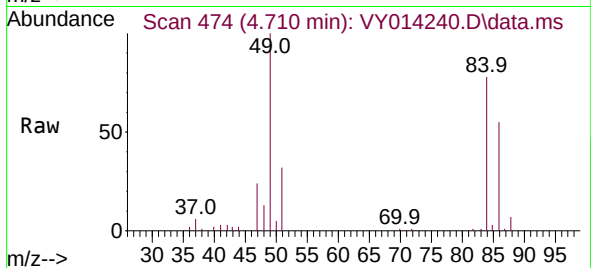
Tgt Ion: 43 Resp: 4798  
Ion Ratio Lower Upper  
43 100  
58 24.8 22.7 34.1



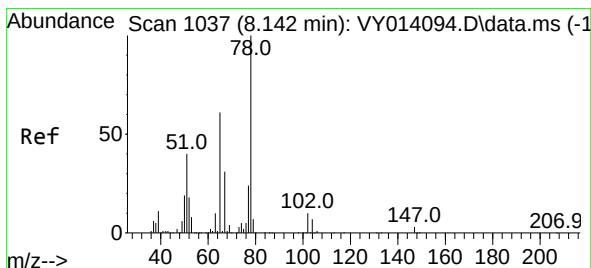
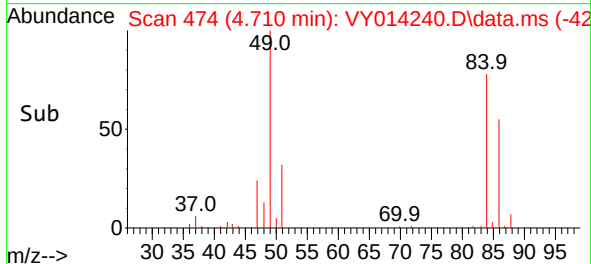
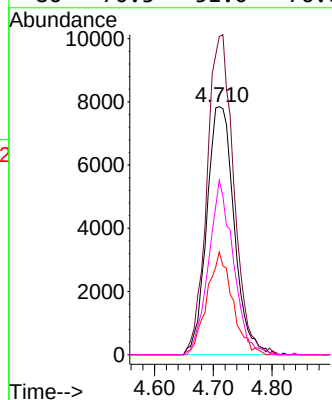


#20  
Methylene Chloride  
Concen: 8.113 ug/l  
RT: 4.710 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VY014240.D  
Acq: 19 Jun 2023 20:06

Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-19

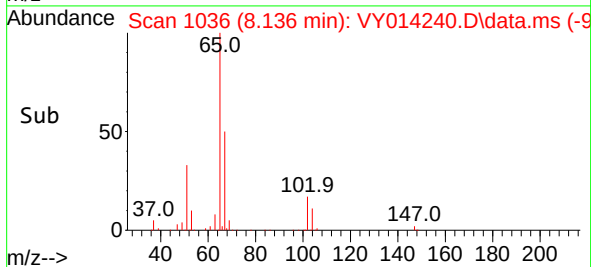
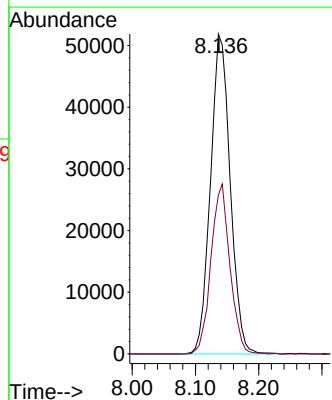
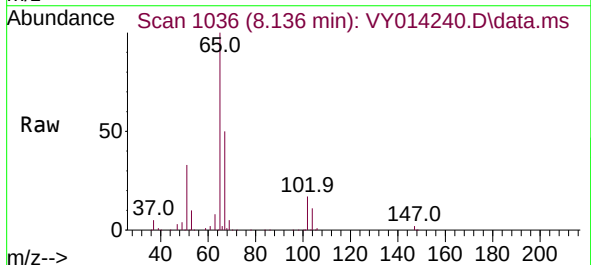


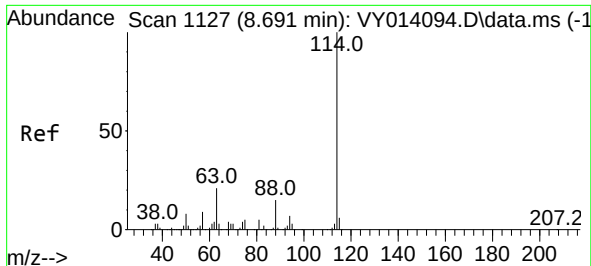
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 25444 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 128.2 | 106.9 | 160.3 |
| 51       | 41.4  | 33.2  | 49.8  |
| 86       | 70.3  | 51.0  | 76.6  |



#33  
1,2-Dichloroethane-d4  
Concen: 47.250 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.006 min  
Lab File: VY014240.D  
Acq: 19 Jun 2023 20:06

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 112379 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 51.0  | 0.0   | 101.8  |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY014240.D

Acq: 19 Jun 2023 20:06

Instrument :

MSVOA\_Y

ClientSampleId :

WC-19

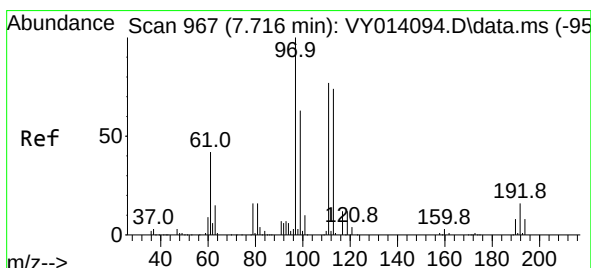
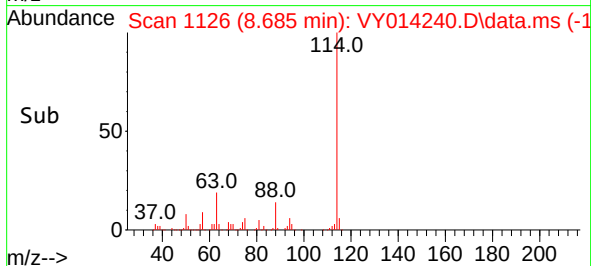
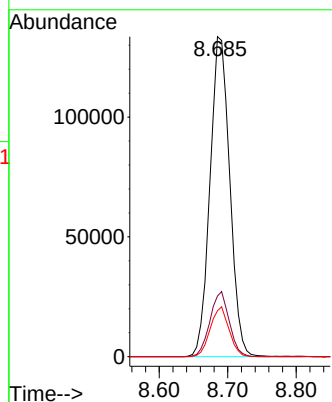
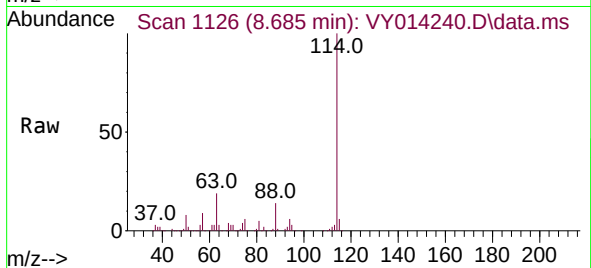
Tgt Ion:114 Resp: 267533

Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

88 14.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 46.380 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014240.D

Acq: 19 Jun 2023 20:06

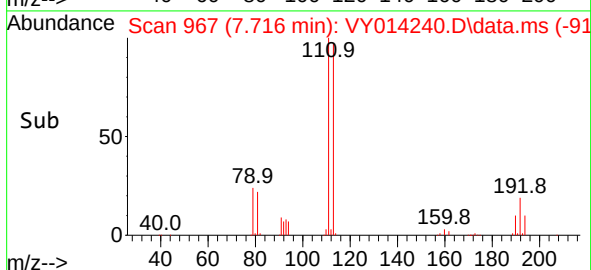
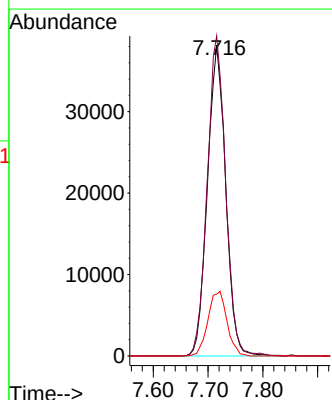
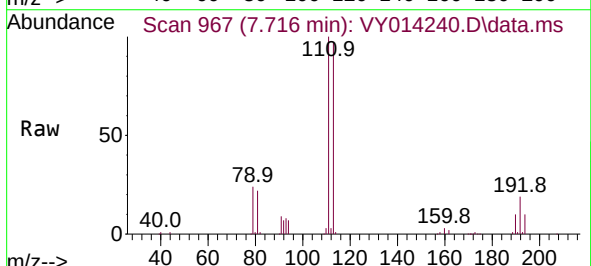
Tgt Ion:113 Resp: 87997

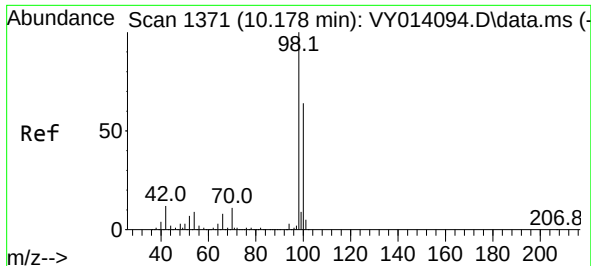
Ion Ratio Lower Upper

113 100

111 104.1 81.3 121.9

192 21.7 16.9 25.3

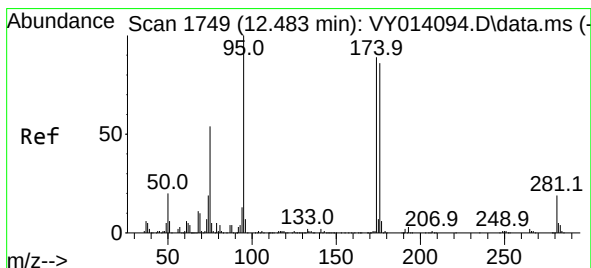
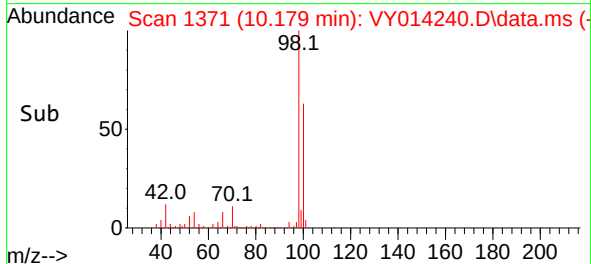
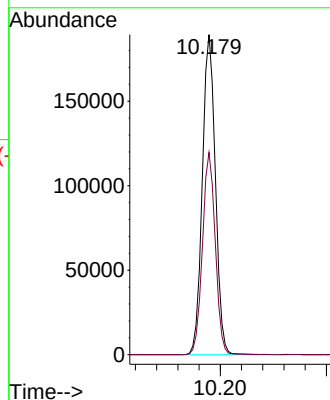
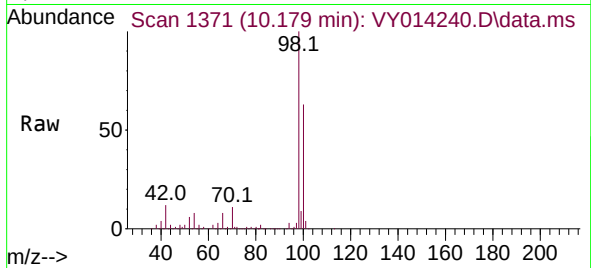




#50  
Toluene-d8  
Concen: 45.610 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VY014240.D  
Acq: 19 Jun 2023 20:06

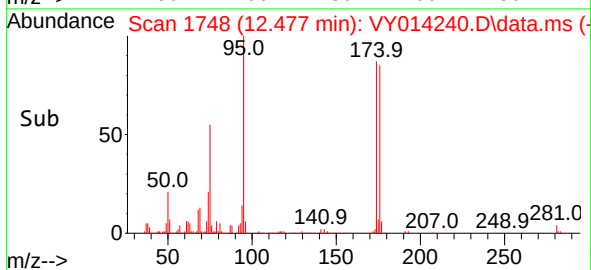
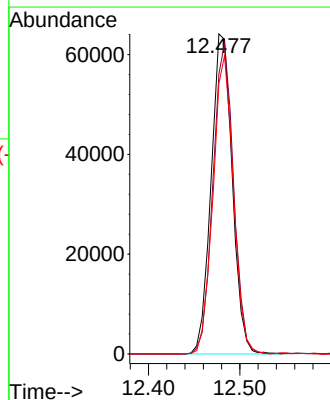
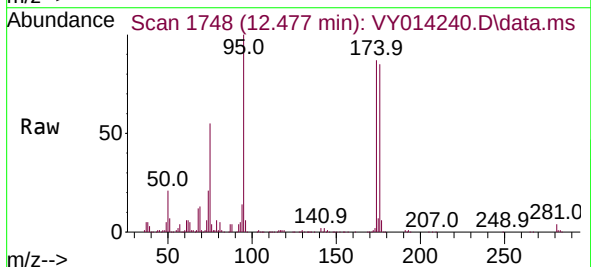
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-19

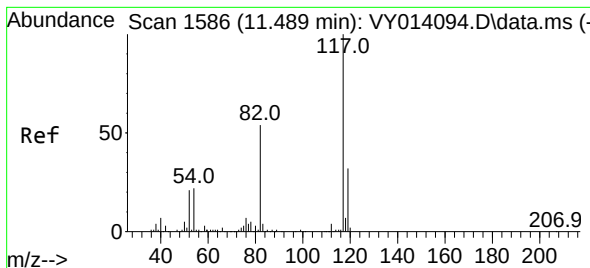
Tgt Ion: 98 Resp: 323523  
Ion Ratio Lower Upper  
98 100  
100 62.1 50.1 75.1



#62  
4-Bromofluorobenzene  
Concen: 40.814 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY014240.D  
Acq: 19 Jun 2023 20:06

Tgt Ion: 95 Resp: 102840  
Ion Ratio Lower Upper  
95 100  
174 94.6 0.0 178.2  
176 90.2 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014240.D

Acq: 19 Jun 2023 20:06

Instrument :

MSVOA\_Y

ClientSampleId :

WC-19

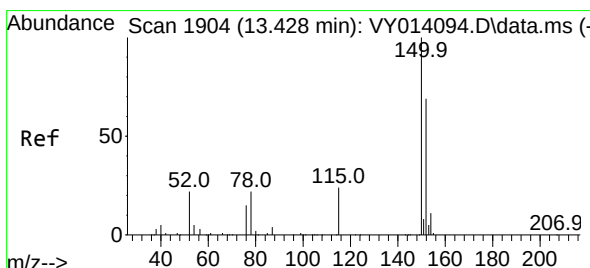
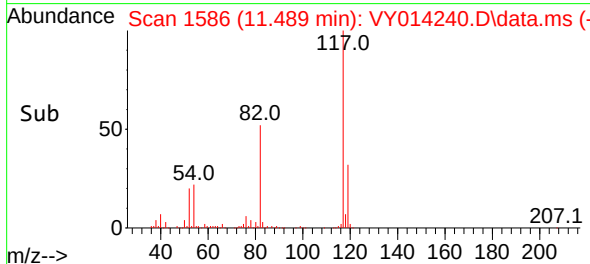
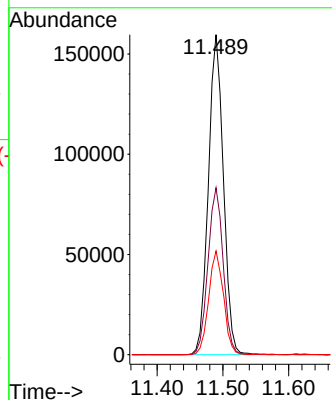
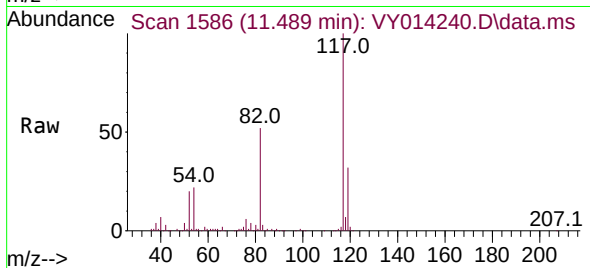
Tgt Ion:117 Resp: 254069

Ion Ratio Lower Upper

117 100

82 52.2 43.4 65.0

119 32.4 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY014240.D

Acq: 19 Jun 2023 20:06

Tgt Ion:152 Resp: 118824

Ion Ratio Lower Upper

152 100

115 56.4 28.8 86.5

150 158.5 0.0 348.8

