

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070820\  
 Data File : VW015812.D  
 Acq On : 08 Jul 2020 16:22  
 Operator : SY/VA  
 Sample : L3203-01  
 Misc : 7.31G/5ML/MSVOA W/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 RO-24

Quant Time: Jul 09 05:15:13 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W070720S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 08 08:28:05 2020  
 Response via : Initial Calibration

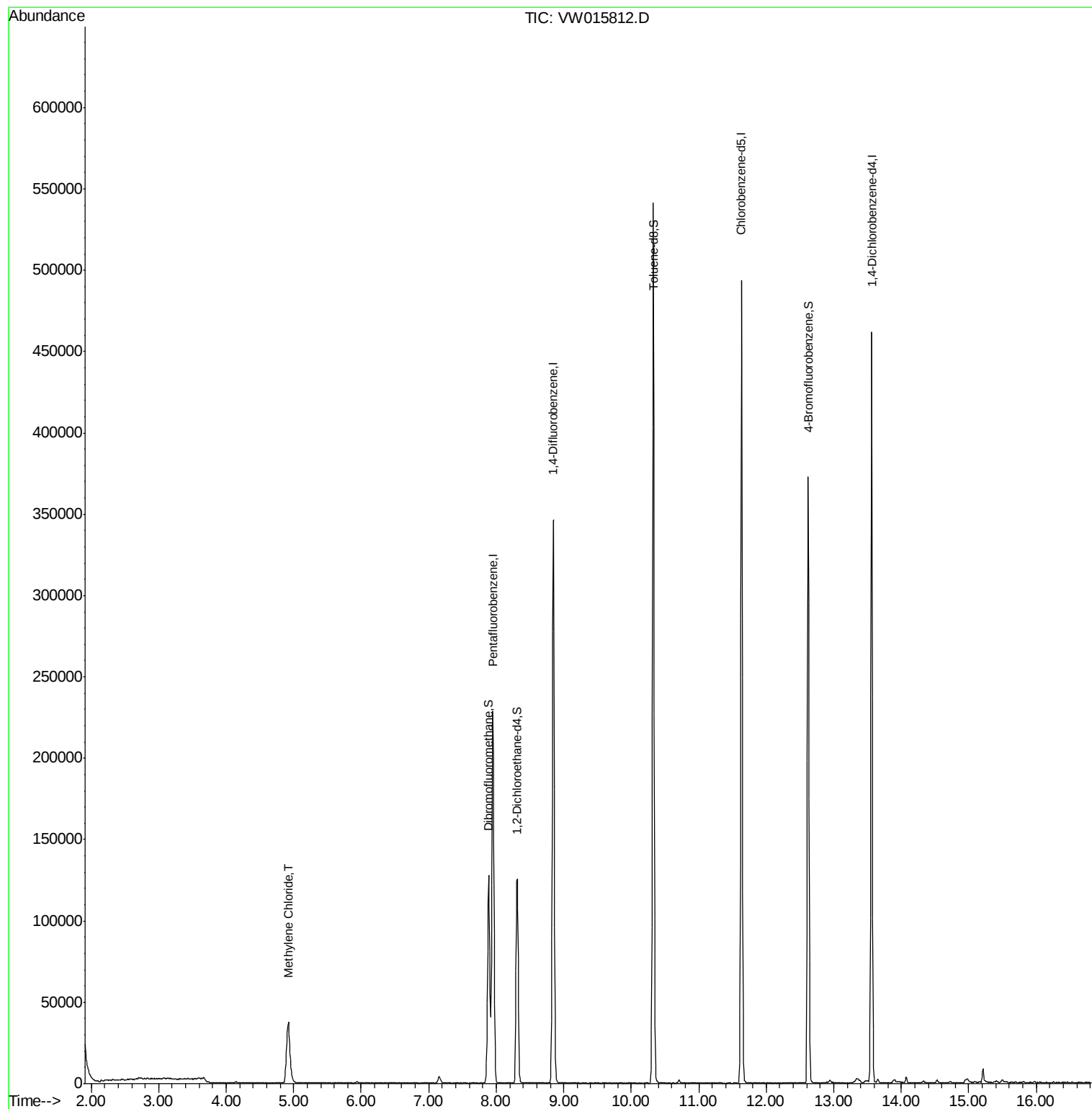
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|---------|-----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 166226   | 50.00  | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.85  | 114  | 287997   | 50.00  | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 260541   | 50.00  | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 116715   | 50.00  | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |        |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 104153   | 60.85  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 121.70% |           |
| 35) Dibromofluoromethane    | 7.88  | 113  | 90634    | 53.94  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 107.88% |           |
| 50) Toluene-d8              | 10.33 | 98   | 353254   | 54.73  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 109.46% |           |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 118707   | 50.12  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.24% |           |
| Target Compounds            |       |      |          |        |         |           |
| 20) Methylene Chloride      | 4.92  | 84   | 32128    | 16.471 | ug/l    | Qvalue 95 |

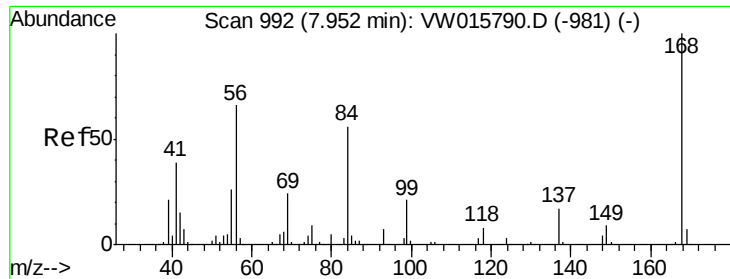
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW070820\  
Data File : VW015812.D  
Acq On : 08 Jul 2020 16:22  
Operator : SY/VA  
Sample : L3203-01  
Misc : 7.31G/5ML/MSVOA W/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
RO-24

Quant Time: Jul 09 05:15:13 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W070720S.M  
Quant Title : SW846 8260  
QLast Update : Wed Jul 08 08:28:05 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW015812.D

Acq: 08 Jul 2020 16:22

Instrument :

MSVOA\_W

ClientSampled :

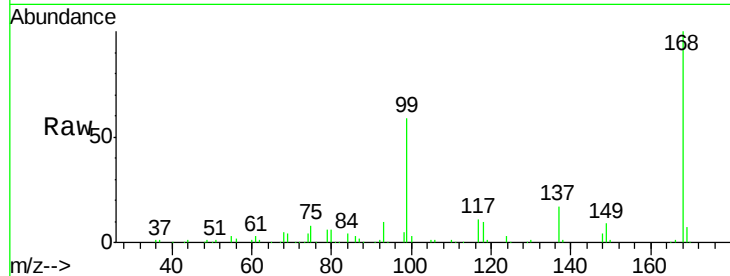
RO-24

Tot Ion:168 Resp: 166226

Ion Ratio Lower Upper

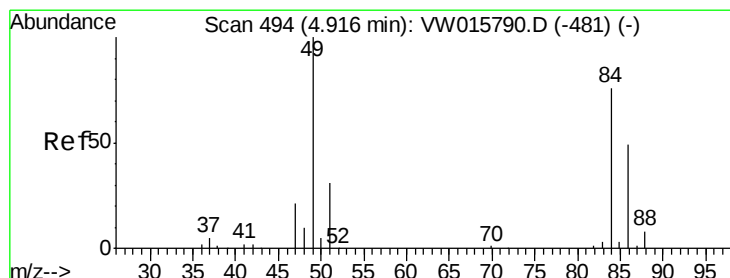
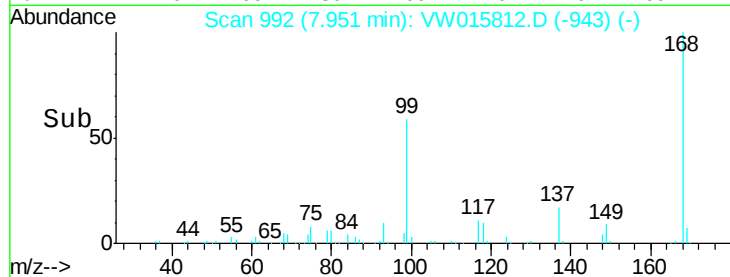
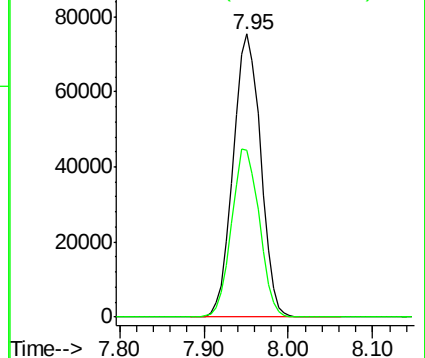
168 100

99 59.1 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#20

Methylene Chloride

Concen: 16.471 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW015812.D

Acq: 08 Jul 2020 16:22

Tgt Ion: 84 Resp: 32128

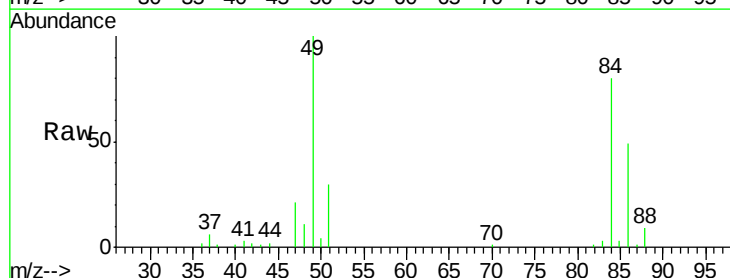
Ion Ratio Lower Upper

84 100

49 125.0 105.0 157.6

51 37.6 32.3 48.5

86 60.9 51.2 76.8

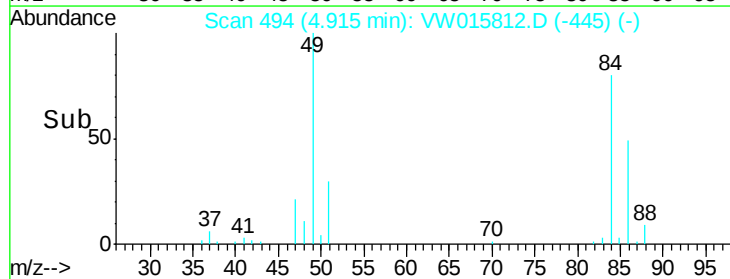
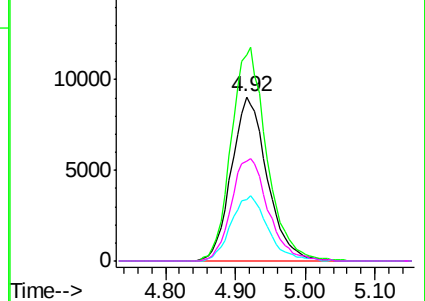


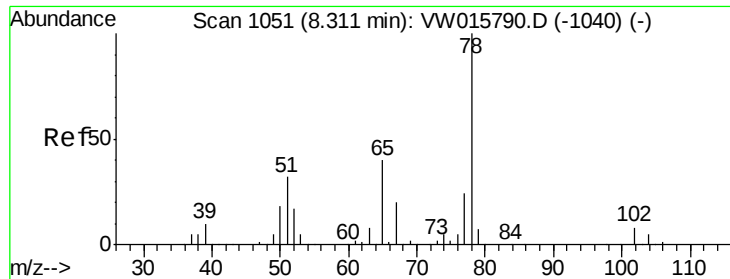
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

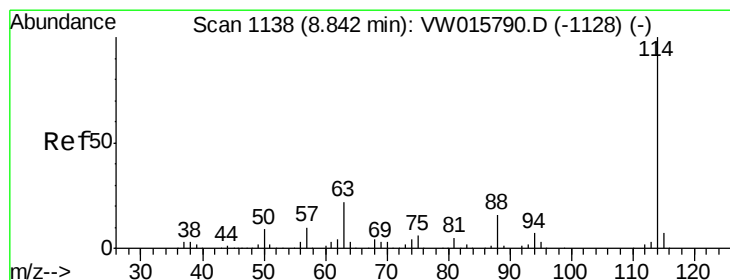
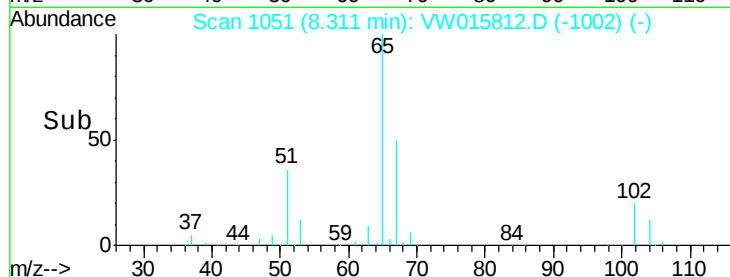
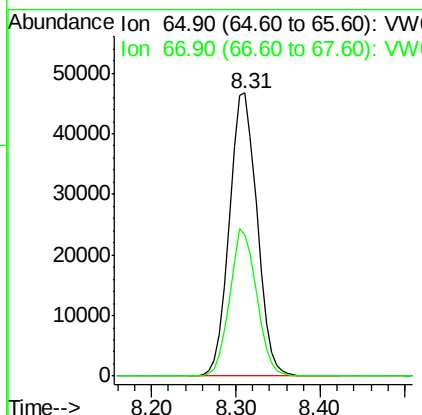
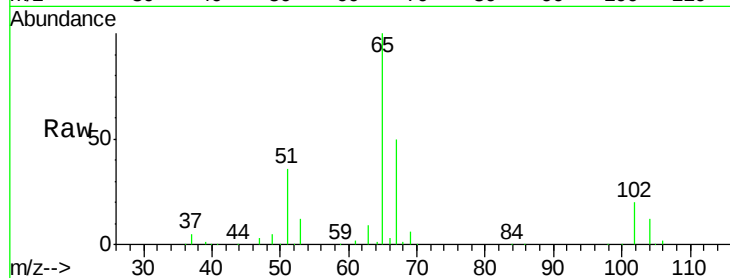




#33  
 1,2-Dichloroethane-d4  
 Concen: 60.847 ug/l  
 RT: 8.31 min Scan# 1051  
 Delta R.T. -0.00 min  
 Lab File: VW015812.D  
 Acq: 08 Jul 2020 16:22

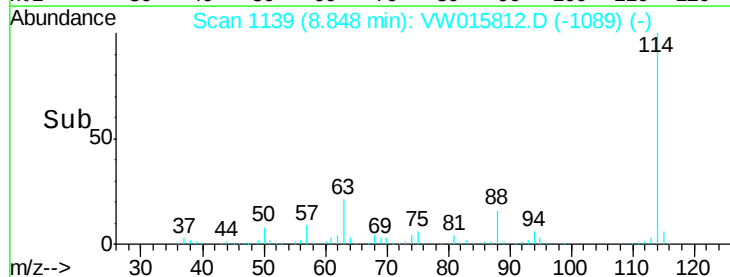
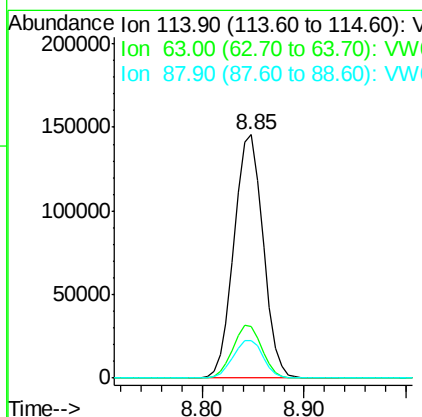
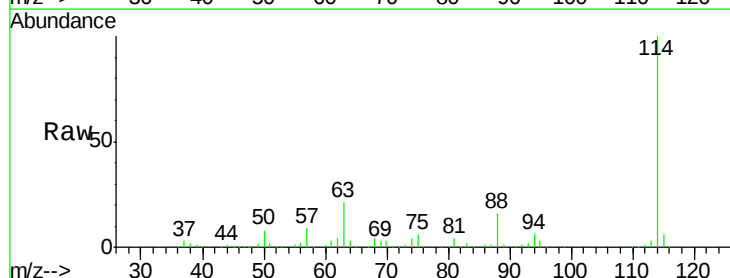
Instrument :  
 MSVOA\_W  
 ClientSampled :  
 RO-24

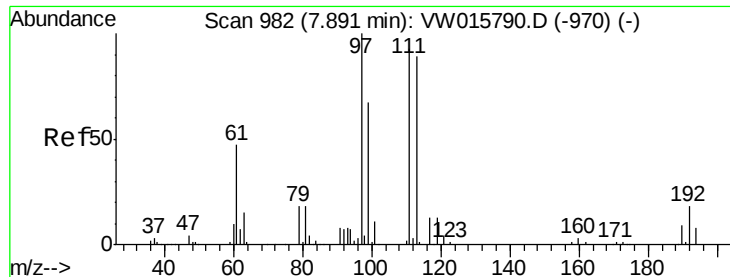
Tot Ion: 65 Resp: 104153  
 Ion Ratio Lower Upper  
 65 100  
 67 50.5 0.0 101.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. 0.01 min  
 Lab File: VW015812.D  
 Acq: 08 Jul 2020 16:22

Tgt Ion: 114 Resp: 287997  
 Ion Ratio Lower Upper  
 114 100  
 63 21.1 0.0 44.4  
 88 15.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 53.942 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW015812.D

Acq: 08 Jul 2020 16:22

Instrument :

MSVOA\_W

ClientSampled :

RO-24

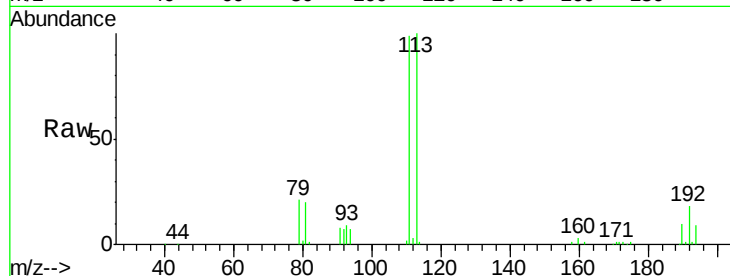
Tot Ion:113 Resp: 90634

Ion Ratio Lower Upper

113 100

111 103.1 82.8 124.2

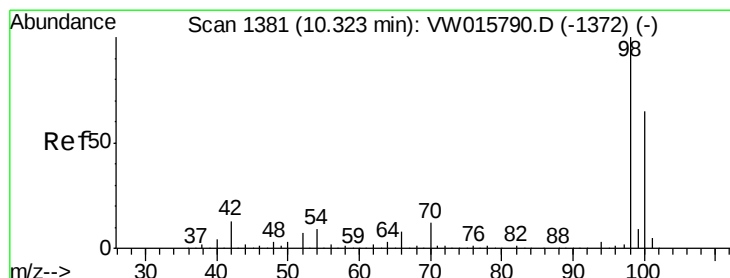
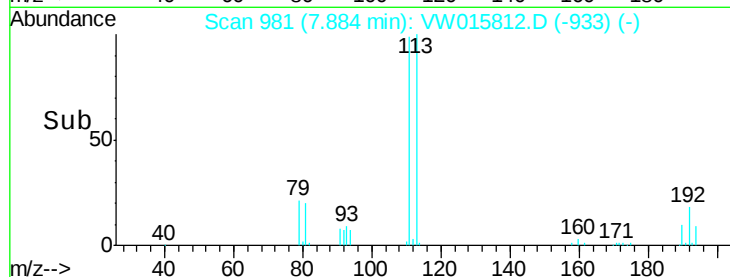
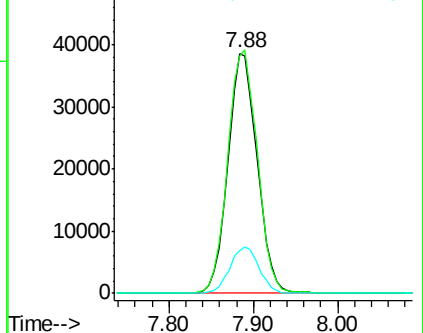
192 19.2 15.4 23.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#50

Toluene-d8

Concen: 54.734 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VW015812.D

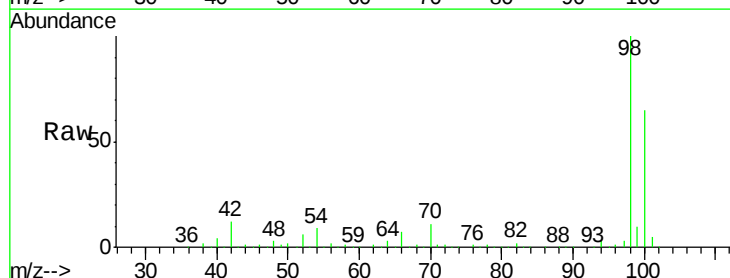
Acq: 08 Jul 2020 16:22

Tgt Ion: 98 Resp: 353254

Ion Ratio Lower Upper

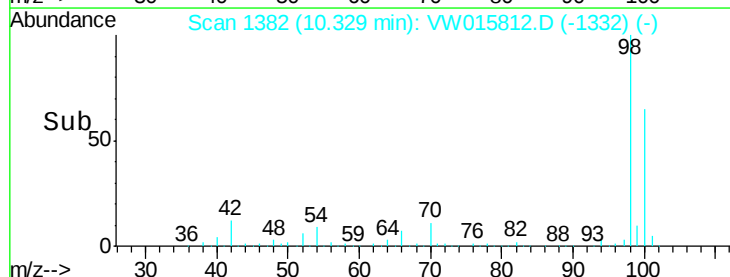
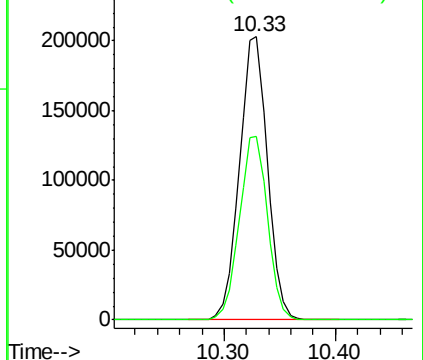
98 100

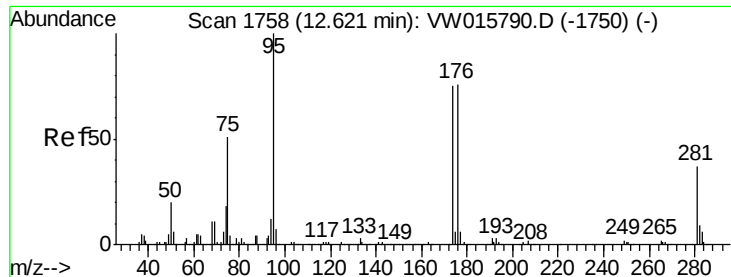
100 65.6 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

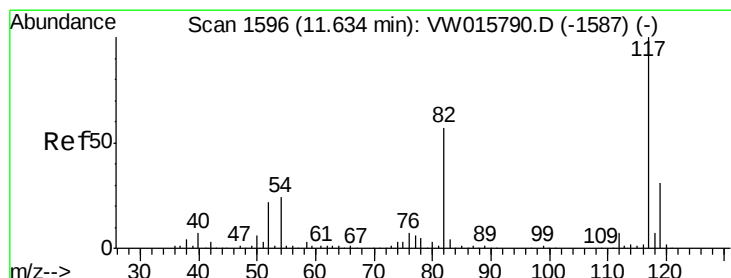
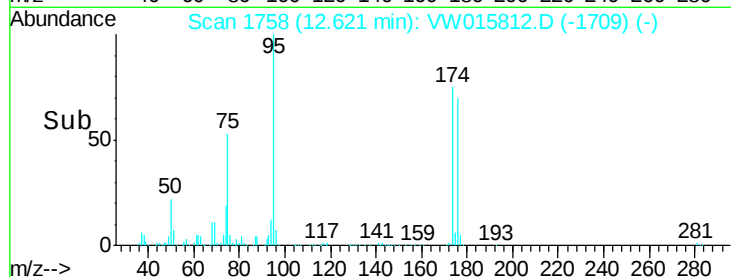
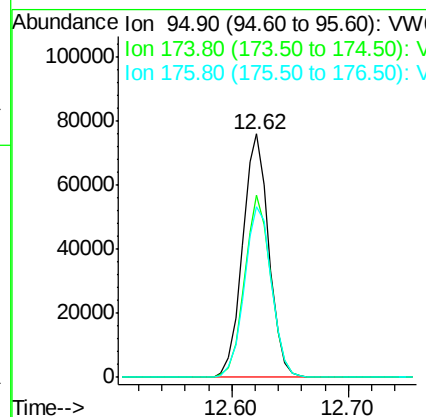
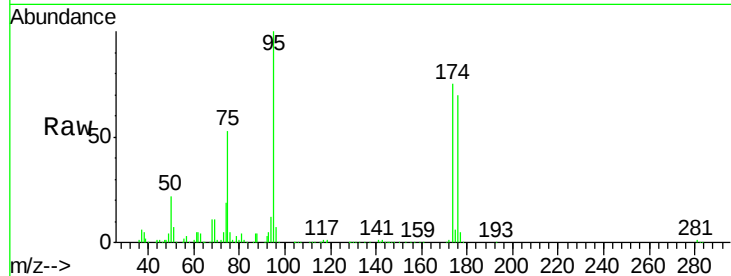




#62  
4-Bromofluorobenzene  
Concen: 50.124 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. -0.00 min  
Lab File: VW015812.D  
Acq: 08 Jul 2020 16:22

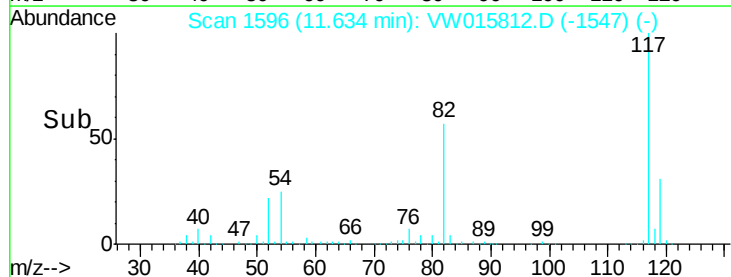
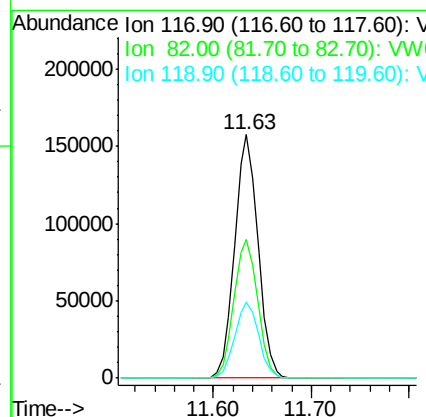
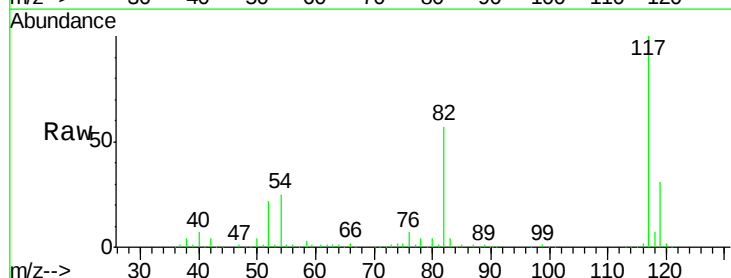
Instrument :  
MSVOA\_W  
ClientSampleId :  
RO-24

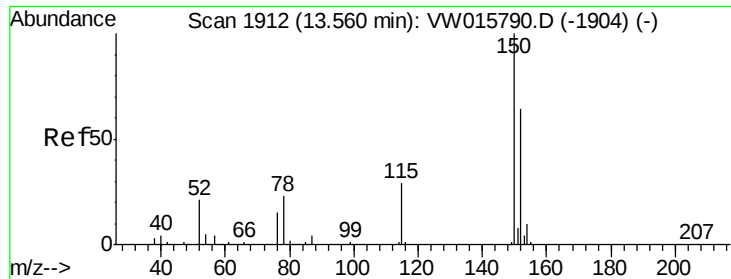
Tot Ion: 95 Resp: 118707  
Ion Ratio Lower Upper  
95 100  
174 75.0 0.0 150.2  
176 73.0 0.0 148.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW015812.D  
Acq: 08 Jul 2020 16:22

Tgt Ion: 117 Resp: 260541  
Ion Ratio Lower Upper  
117 100  
82 56.8 45.5 68.3  
119 31.4 25.0 37.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW015812.D

Acq: 08 Jul 2020 16:22

Instrument :

MSVOA\_W

ClientSampleId :

RO-24

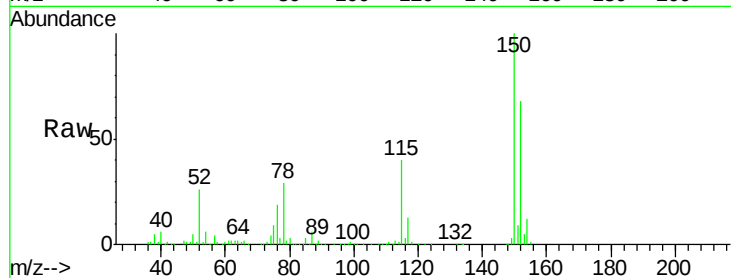
Tot Ion:152 Resp: 116715

Ion Ratio Lower Upper

152 100

115 59.6 29.9 89.7

150 153.0 0.0 350.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

