

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061919\  
 Data File : VW010879.D  
 Acq On : 20 Jun 2019 06:42  
 Operator : SY/VA  
 Sample : K3447-07  
 Misc : 5.01G/5ML/MSVOA W/SOIL  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DISPENSER-1

Quant Time: Jun 20 07:33:54 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W060419S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 05 03:21:19 2019  
 Response via : Initial Calibration

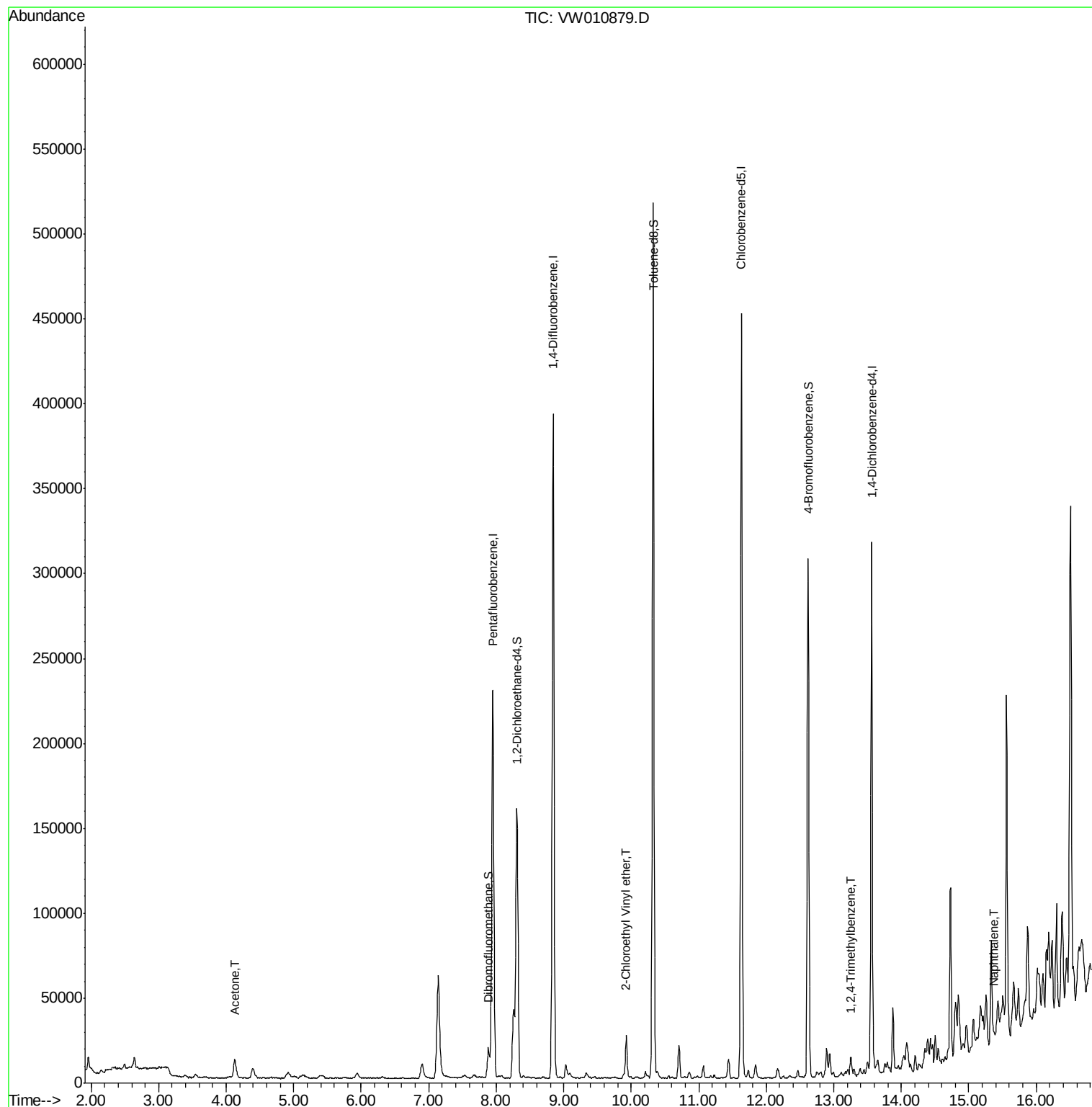
| Internal Standards            | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-------------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene         | 7.95  | 168  | 165077   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.84  | 114  | 300763   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5          | 11.63 | 117  | 229747   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.56 | 152  | 71802    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds   |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4     | 8.31  | 65   | 124919   | 64.20  | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =      | 128.40% |          |
| 35) Dibromofluoromethane      | 7.88  | 113  | 12479    | 7.64   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =      | 15.28%  |          |
| 50) Toluene-d8                | 10.32 | 98   | 317144   | 44.30  | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =      | 88.60%  |          |
| 62) 4-Bromofluorobenzene      | 12.62 | 95   | 95560    | 36.68  | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =      | 73.36%  |          |
| Target Compounds              |       |      |          |        |         |          |
| 16) Acetone                   | 4.13  | 43   | 20415    | 39.158 | ug/l    | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.93  | 63   | 10534    | 8.786  | ug/l    | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.26 | 105  | 6245     | 1.405  | ug/l    | 96       |
| 95) Naphthalene               | 15.37 | 128  | 4183     | 1.606  | ug/l #  | 90       |

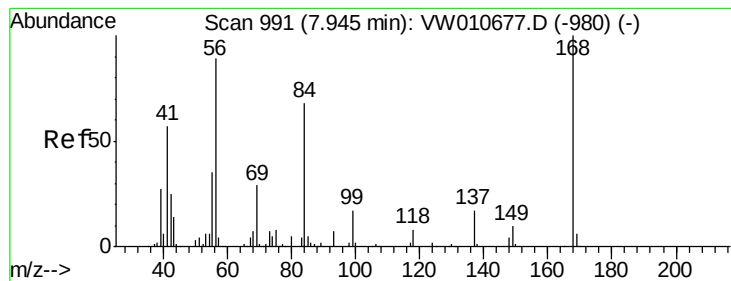
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW061919\  
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MSVOA\_W  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W060419S.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 05 03:21:19 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW010879.D

Acq: 20 Jun 2019 06:42

Instrument :

MSVOA\_W

ClientSampleId :

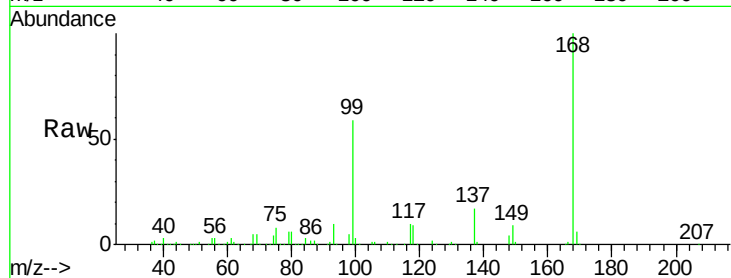
DISPENSER-1

Tot Ion:168 Resp: 165077

Ion Ratio Lower Upper

168 100

99 58.4 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

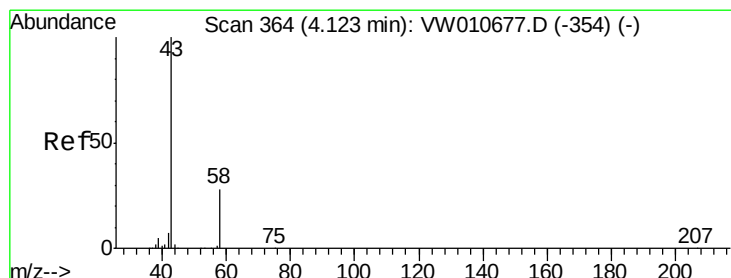
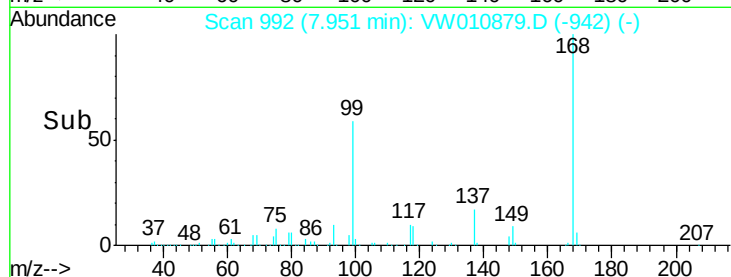
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 39.158 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010879.D

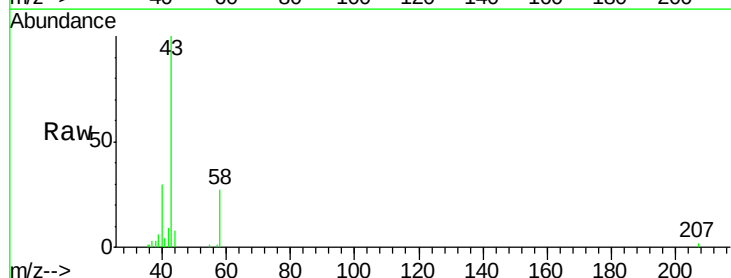
Acq: 20 Jun 2019 06:42

Tgt Ion: 43 Resp: 20415

Ion Ratio Lower Upper

43 100

58 27.4 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

8000

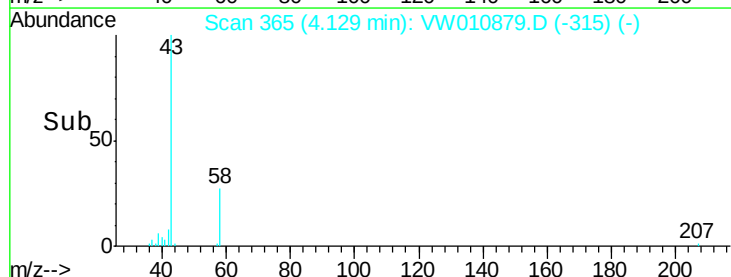
6000

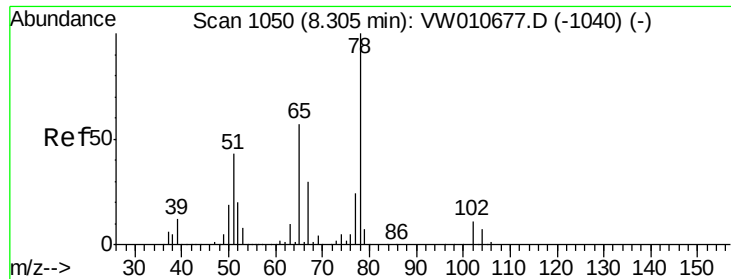
4000

2000

0

Time--> 4.05 4.10 4.15 4.20 4.25

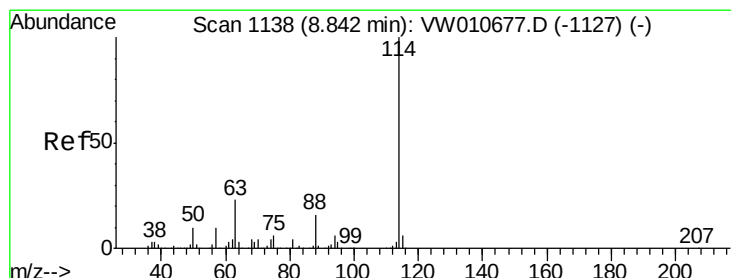
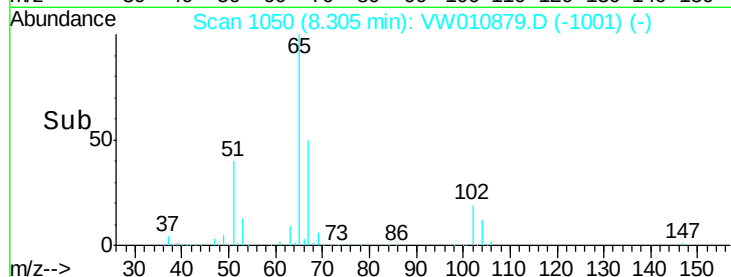
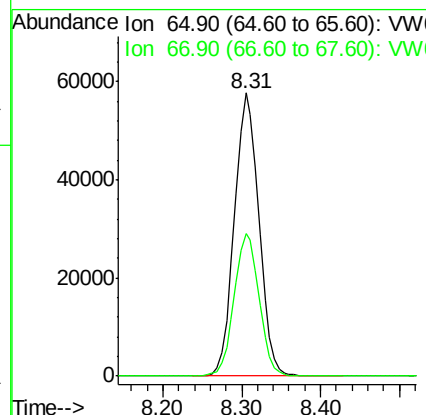
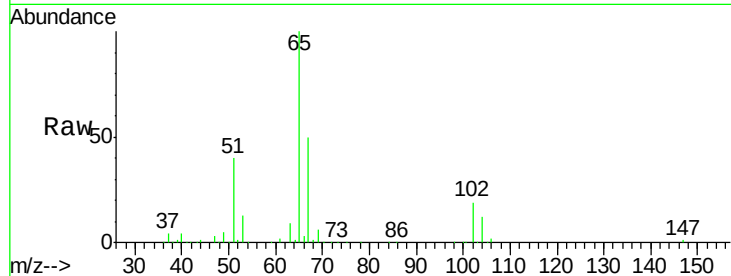




#33  
 1,2-Dichloroethane-d4  
 Concen: 64.202 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. -0.00 min  
 Lab File: VW010879.D  
 Acq: 20 Jun 2019 06:42

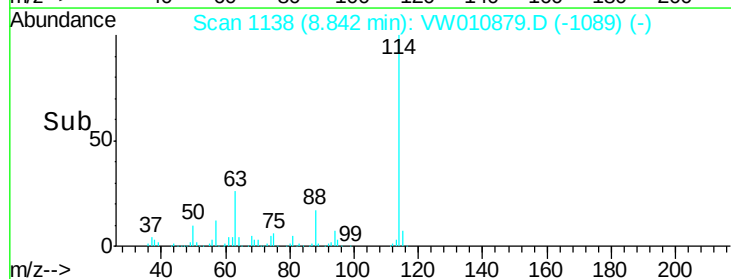
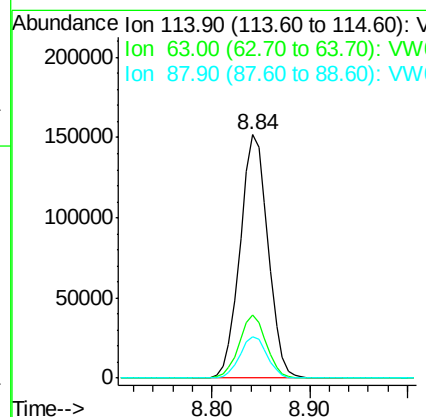
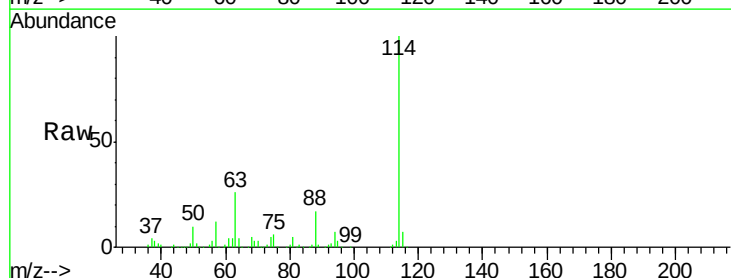
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DISPENSER-1

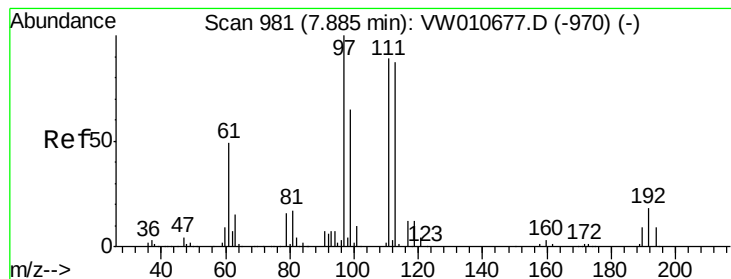
Tot Ion: 65 Resp: 124919  
 Ion Ratio Lower Upper  
 65 100  
 67 51.3 0.0 102.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW010879.D  
 Acq: 20 Jun 2019 06:42

Tgt Ion: 114 Resp: 300763  
 Ion Ratio Lower Upper  
 114 100  
 63 26.0 0.0 46.4  
 88 17.0 0.0 32.2





#35

Dibromofluoromethane

Concen: 7.644 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010879.D

Acq: 20 Jun 2019 06:42

Instrument :

MSVOA\_W

ClientSampleId :

DISPENSER-1

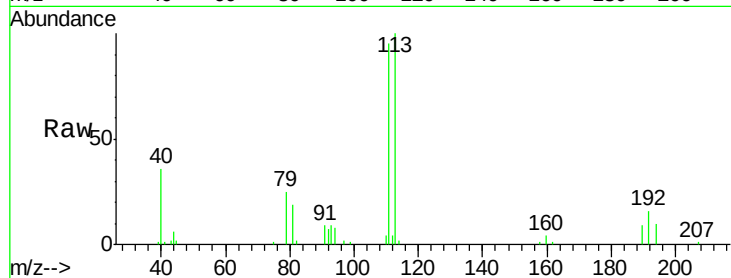
Tot Ion:113 Resp: 12479

Ion Ratio Lower Upper

113 100

111 106.9 82.6 123.8

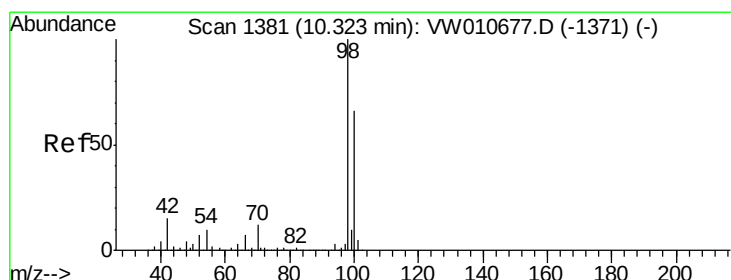
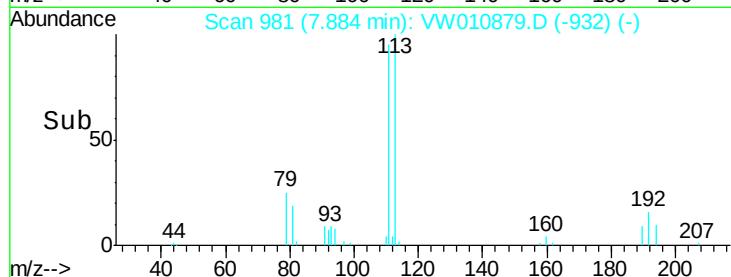
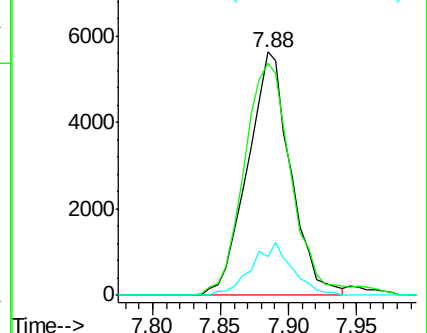
192 20.7 16.4 24.6



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: 44.302 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010879.D

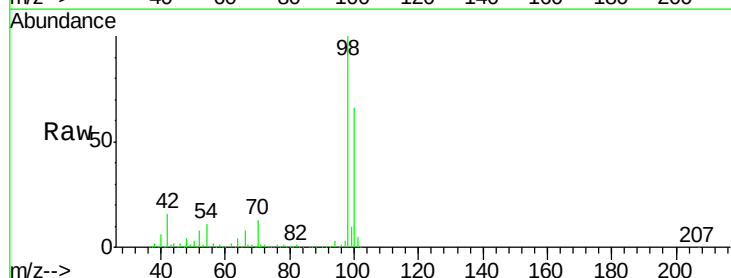
Acq: 20 Jun 2019 06:42

Tgt Ion: 98 Resp: 317144

Ion Ratio Lower Upper

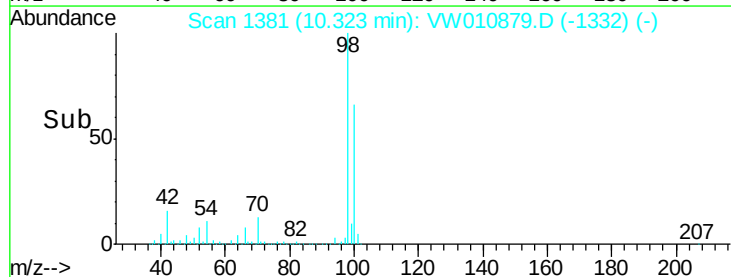
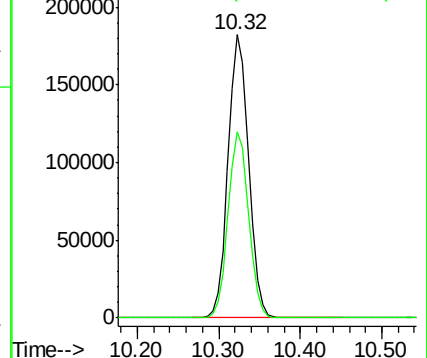
98 100

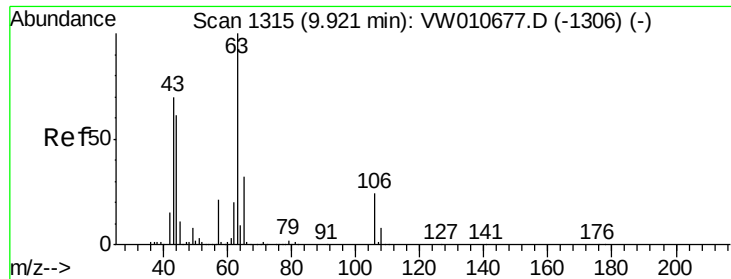
100 65.6 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

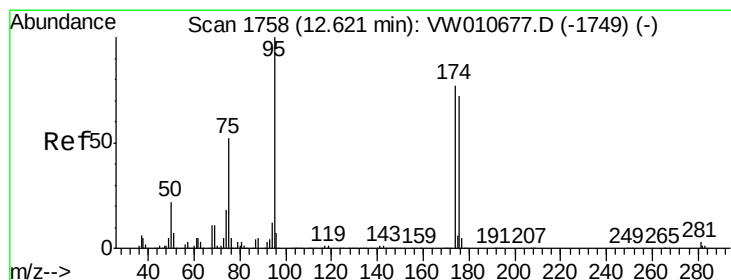
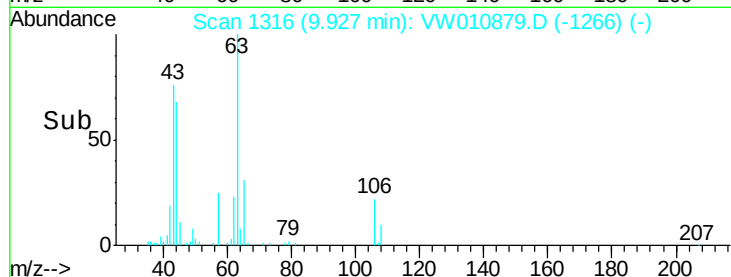
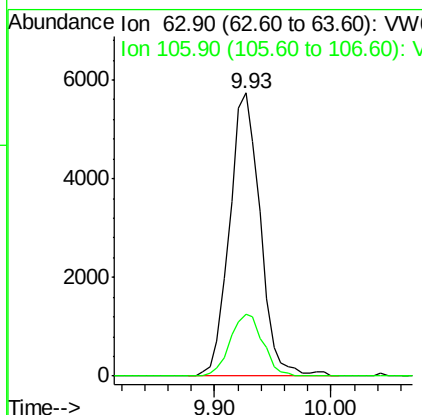
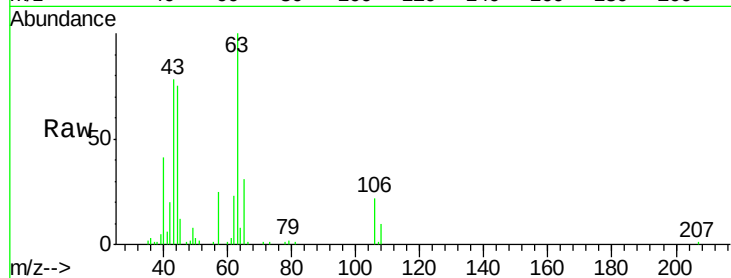




#58  
 2-Chloroethyl Vinyl ether  
 Concen: 8.786 ug/l  
 RT: 9.93 min Scan# 1316  
 Delta R.T. 0.01 min  
 Lab File: VW010879.D  
 Acq: 20 Jun 2019 06:42

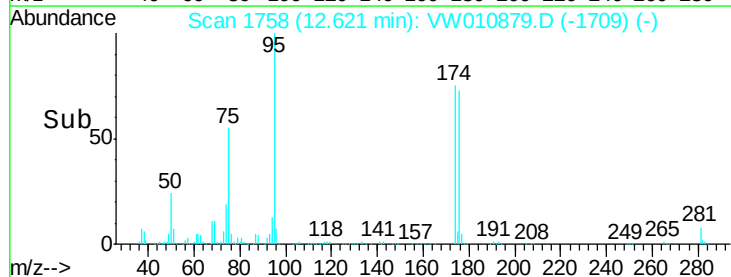
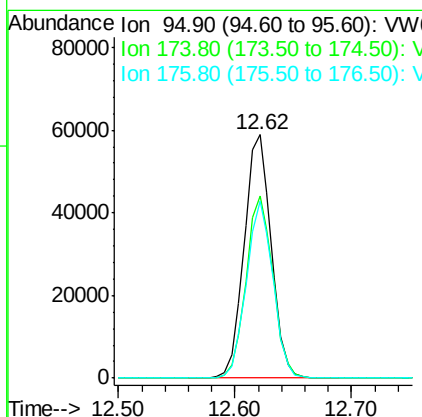
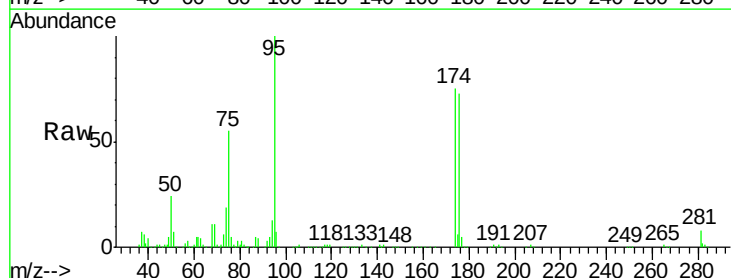
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DISPENSER-1

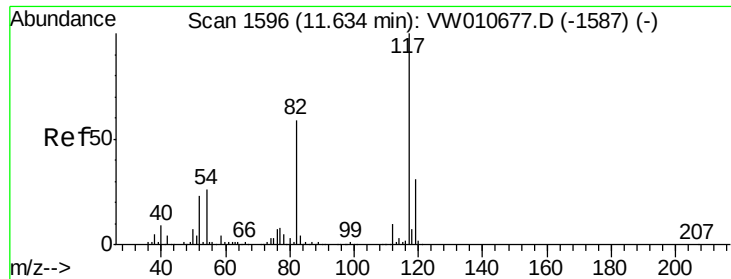
Tot Ion: 63 Resp: 10534  
 Ion Ratio Lower Upper  
 63 100  
 106 23.3 20.1 30.1



#62  
 4-Bromofluorobenzene  
 Concen: 36.684 ug/l  
 RT: 12.62 min Scan# 1758  
 Delta R.T. -0.00 min  
 Lab File: VW010879.D  
 Acq: 20 Jun 2019 06:42

Tgt Ion: 95 Resp: 95560  
 Ion Ratio Lower Upper  
 95 100  
 174 74.5 0.0 150.4  
 176 71.4 0.0 144.8

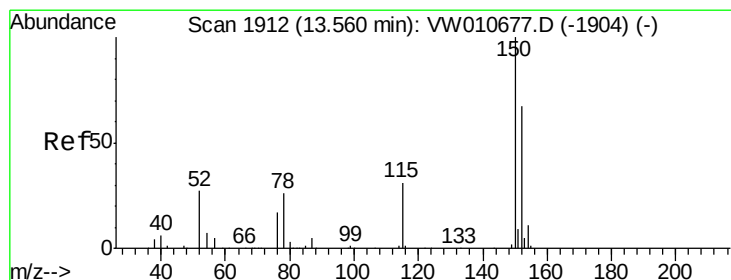
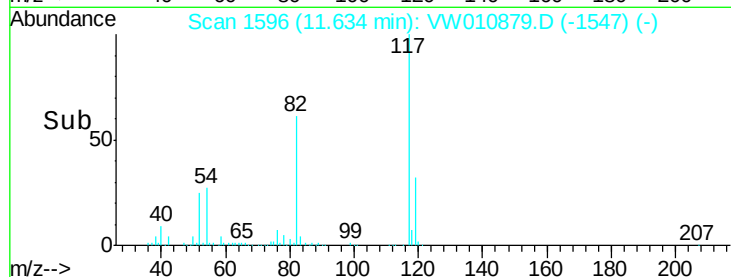
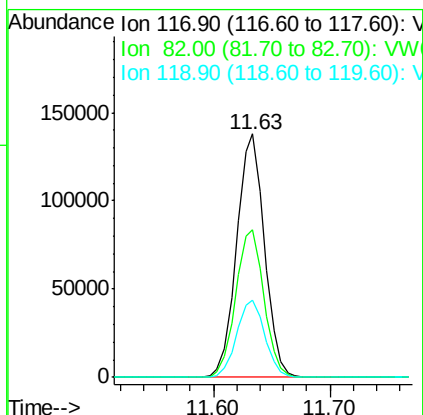
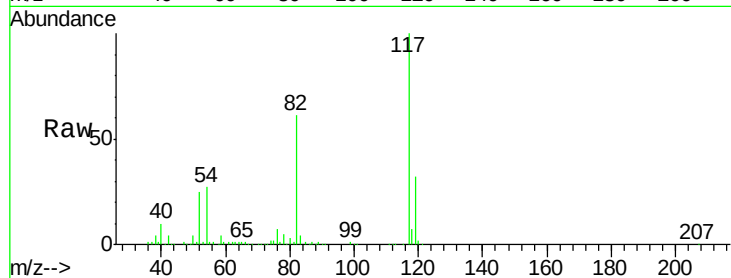




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW010879.D  
Acq: 20 Jun 2019 06:42

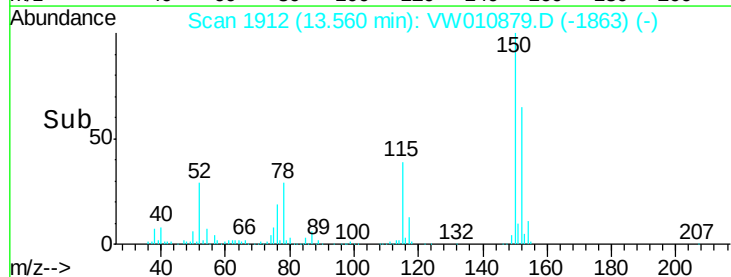
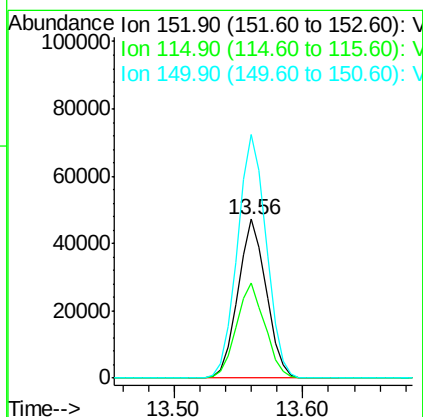
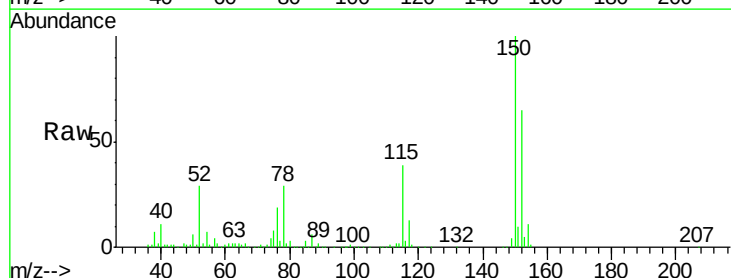
Instrument :  
MSVOA\_W  
ClientSampleId :  
DISPENSER-1

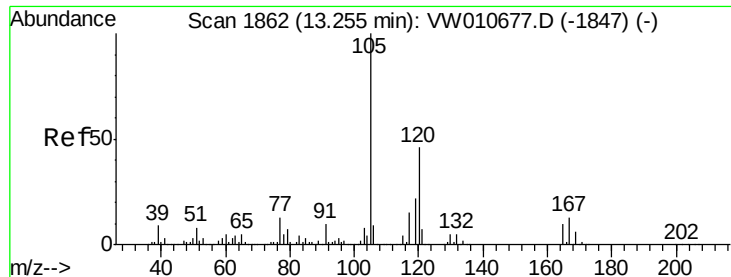
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 60.9  | 47.0  | 70.4  |
| 119     | 31.6  | 25.1  | 37.7  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. -0.00 min  
Lab File: VW010879.D  
Acq: 20 Jun 2019 06:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 60.7  | 29.8  | 89.3  |
| 150     | 156.8 | 0.0   | 345.0 |

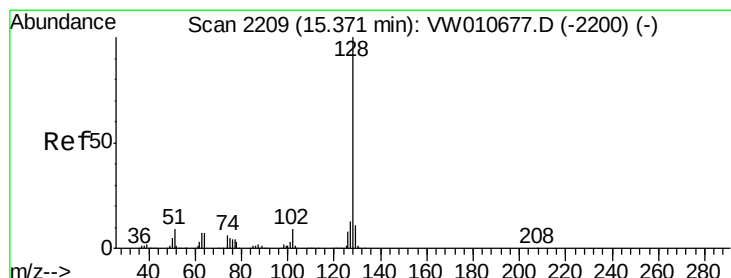
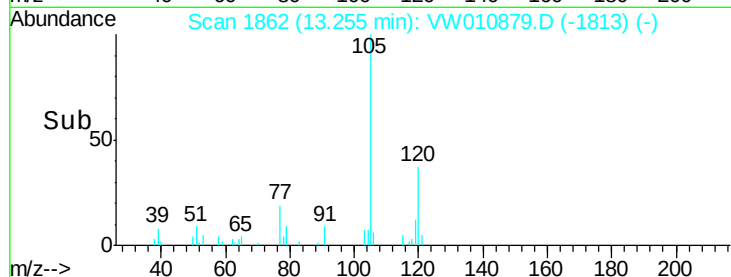
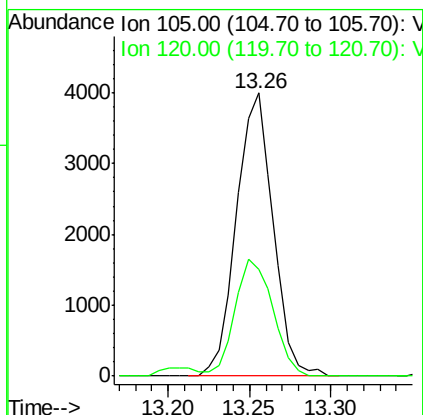
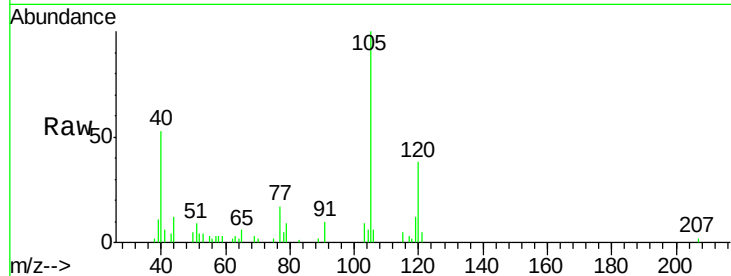




#84  
 1,2,4-Trimethylbenzene  
 Concen: 1.405 ug/l  
 RT: 13.26 min Scan# 1862  
 Delta R.T. -0.00 min  
 Lab File: VW010879.D  
 Acq: 20 Jun 2019 06:42

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DISPENSER-1

Tot Ion:105 Resp: 6245  
 Ion Ratio Lower Upper  
 105 100  
 120 42.7 22.5 67.5



#95  
 Naphthalene  
 Concen: 1.606 ug/l  
 RT: 15.37 min Scan# 2209  
 Delta R.T. -0.00 min  
 Lab File: VW010879.D  
 Acq: 20 Jun 2019 06:42

Tgt Ion:128 Resp: 4183  
 Ion Ratio Lower Upper  
 128 100  
 127 9.0 10.6 15.8#  
 129 7.3 8.6 13.0#

