

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW010820\  
 Data File : VW014562.D  
 Acq On : 08 Jan 2020 16:22  
 Operator : SY/VA  
 Sample : L1056-02  
 Misc : 6.73G/5ML/MSVOA W/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 WP022SB447\_200106\_33-34

Quant Time: Jan 09 13:54:19 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W010320S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 03 16:07:20 2020  
 Response via : Initial Calibration

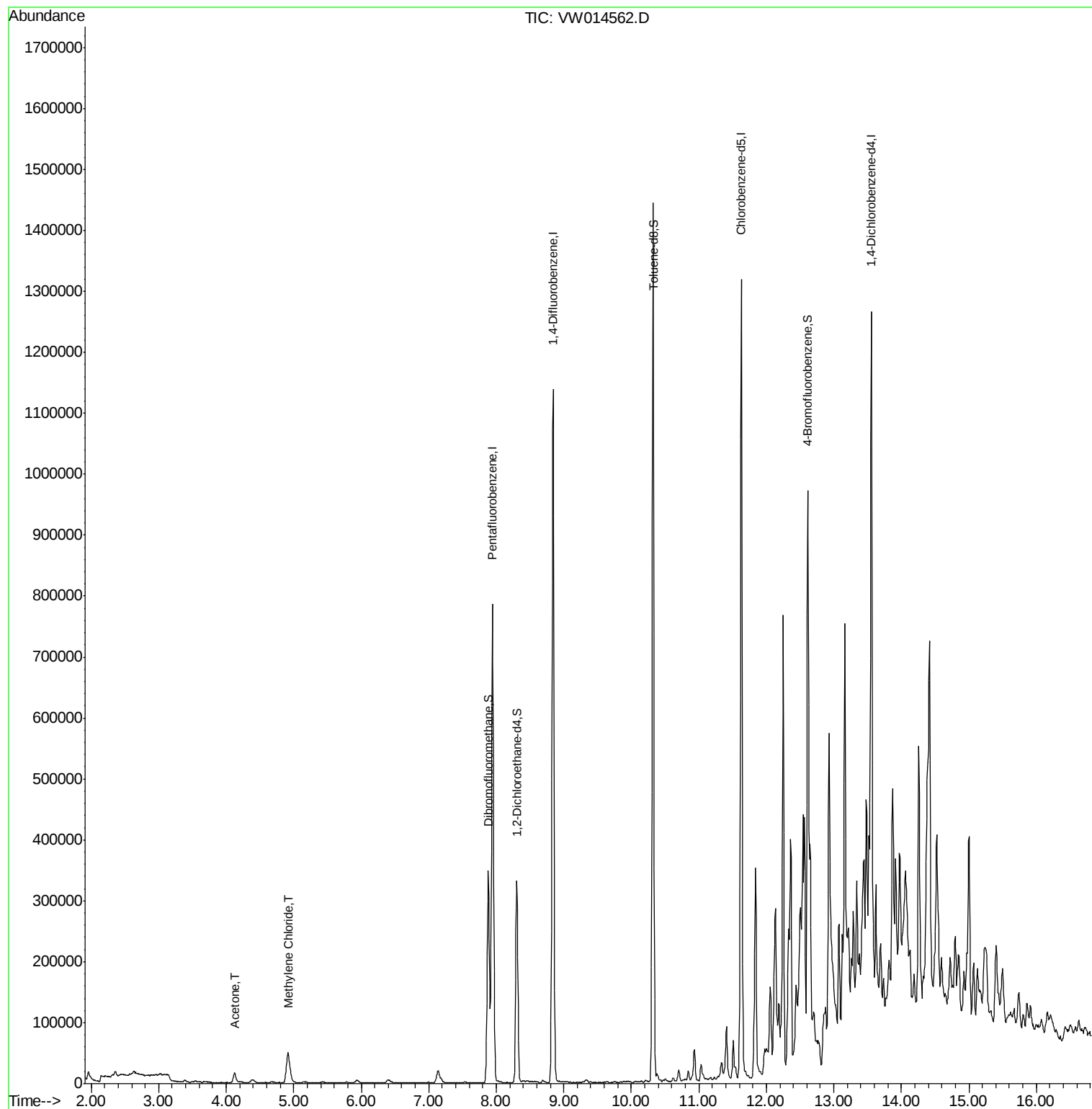
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 619786   | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 983394   | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 756886   | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 267658   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.30  | 65   | 252378   | 46.57  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 93.14% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 261621   | 46.55  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 93.10% |          |
| 50) Toluene-d8              | 10.32 | 98   | 982870   | 41.90  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 83.80% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 274762   | 34.54  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 69.08% |          |
| Target Compounds            |       |      |          |        |        |          |
| 16) Acetone                 | 4.12  | 43   | 29698    | 19.409 | ug/l   | 92       |
| 20) Methylene Chloride      | 4.92  | 84   | 44672    | 2.968  | ug/l   | 97       |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW010820\  
Data File : VW014562.D  
Acq On : 08 Jan 2020 16:22  
Operator : SY/VA  
Sample : L1056-02  
Misc : 6.73G/5ML/MSVOA W/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
WP022SB447\_200106\_33-34

Quant Time: Jan 09 13:54:19 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W010320S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jan 03 16:07:20 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW014562.D

Acq: 08 Jan 2020 16:22

Instrument :

MSVOA\_W

ClientSampleId :

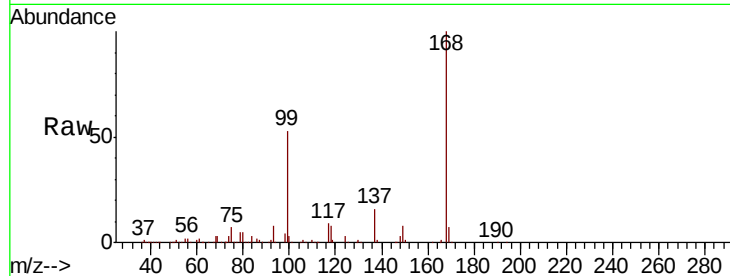
WP022SB447\_200106\_33-34

Tot Ion:168 Resp: 619786

Ion Ratio Lower Upper

168 100

99 53.0 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

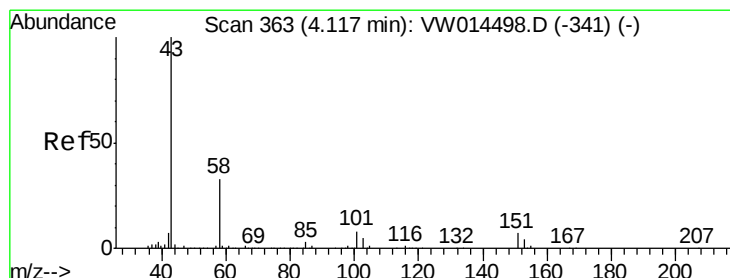
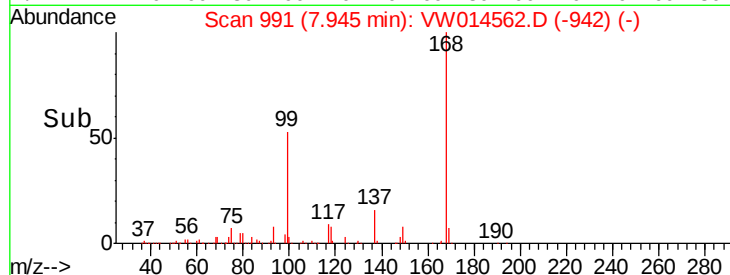
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 19.409 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW014562.D

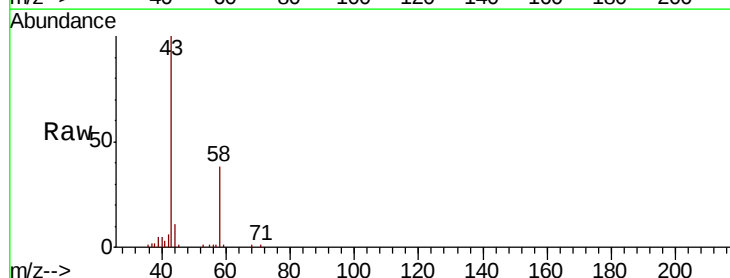
Acq: 08 Jan 2020 16:22

Tgt Ion: 43 Resp: 29698

Ion Ratio Lower Upper

43 100

58 37.5 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

12000

10000

8000

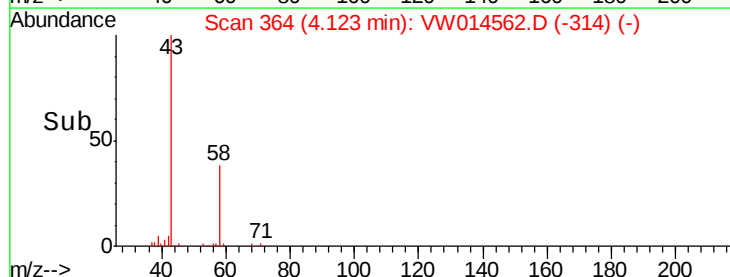
6000

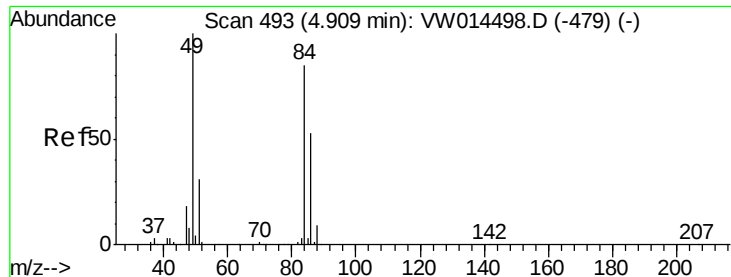
4000

2000

0

Time-->

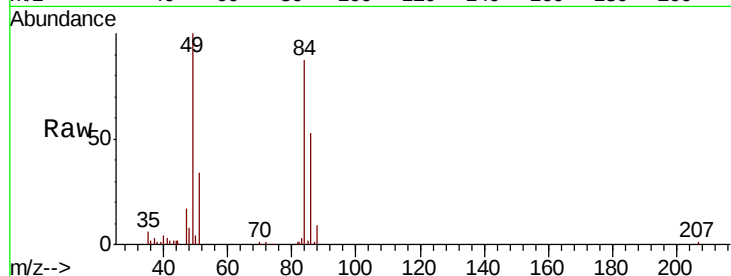




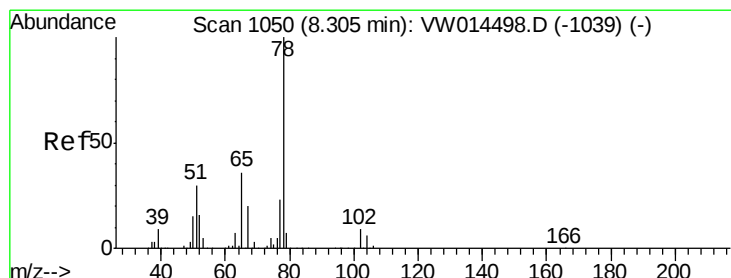
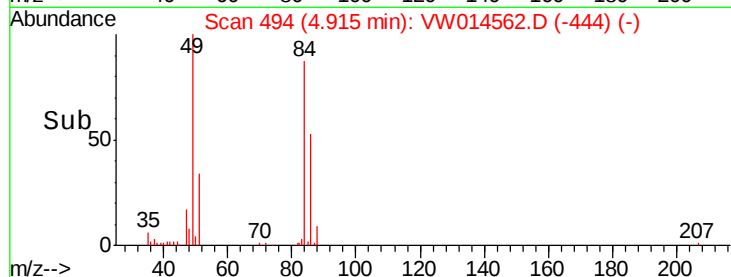
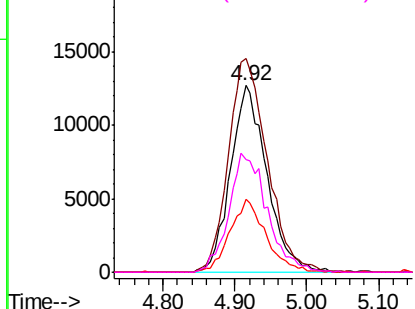
#20  
Methvlene Chloride  
Concen: 2.968 ug/l  
RT: 4.92 min Scan# 494  
Delta R.T. 0.01 min  
Lab File: VW014562.D  
Acq: 08 Jan 2020 16:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
WP022SB447\_200106\_33-34

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 44672 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 114.4 | 94.4  | 141.6 |
| 51       | 39.0  | 29.5  | 44.3  |
| 86       | 60.5  | 50.2  | 75.2  |

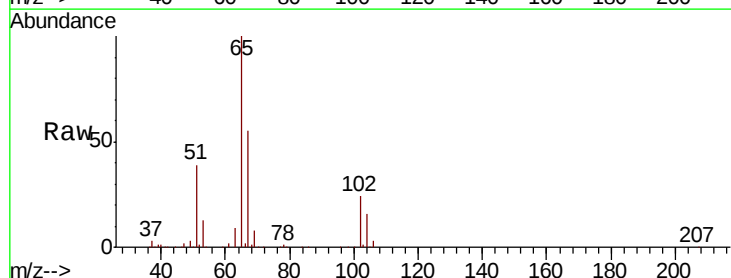


Abundance Ion 83.90 (83.60 to 84.60): VW  
Ion 48.90 (48.60 to 49.60): VW  
Ion 50.90 (50.60 to 51.60): VW  
Ion 85.90 (85.60 to 86.60): VW

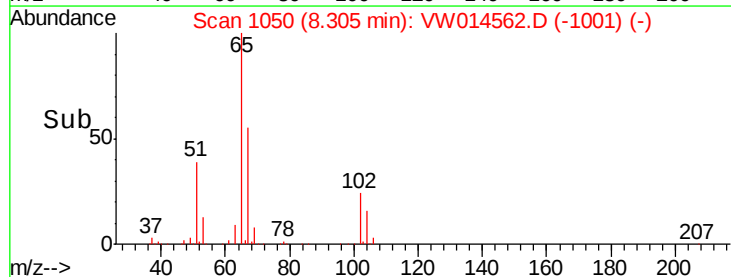
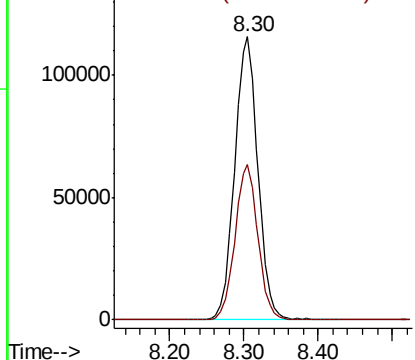


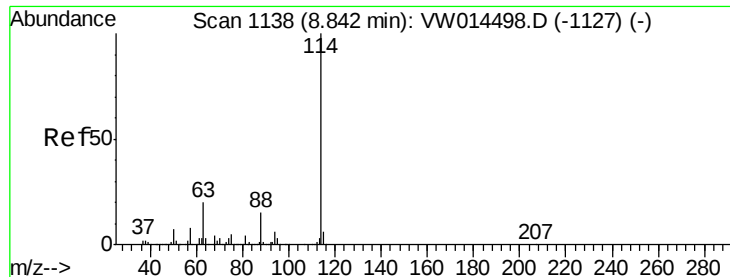
#33  
1,2-Dichloroethane-d4  
Concen: 46.574 ug/l  
RT: 8.30 min Scan# 1050  
Delta R.T. -0.00 min  
Lab File: VW014562.D  
Acq: 08 Jan 2020 16:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 252378 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 54.2  | 0.0   | 108.4  |



Abundance Ion 64.90 (64.60 to 65.60): VW  
Ion 66.90 (66.60 to 67.60): VW

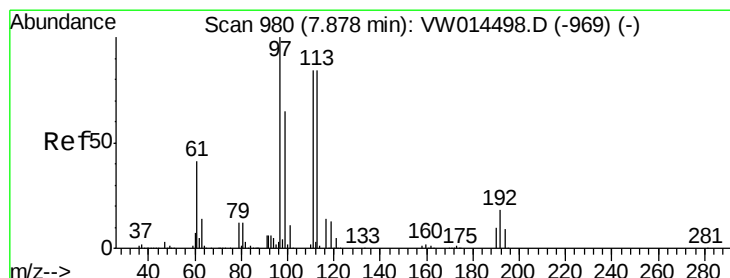
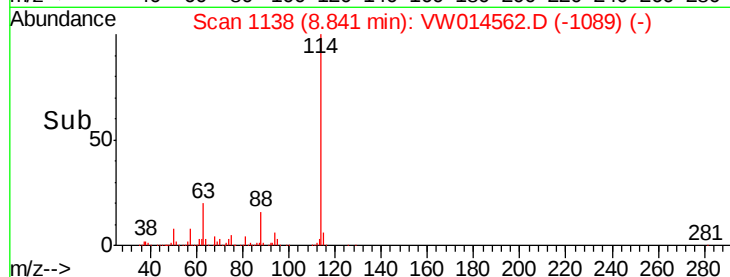
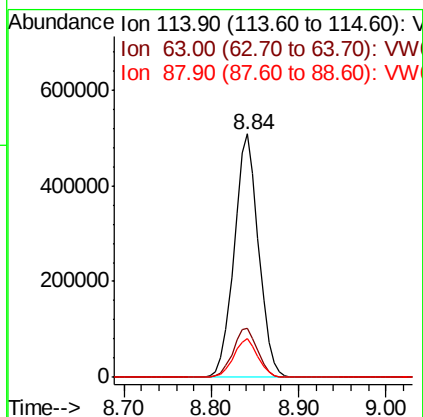
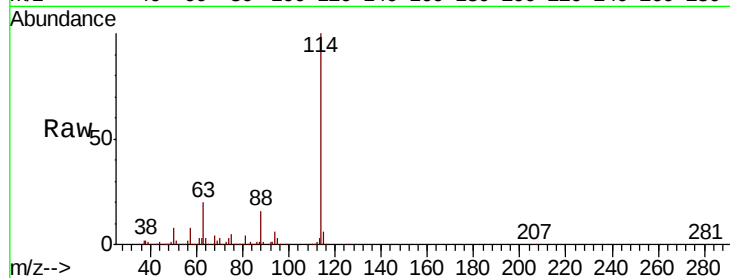




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.84 min Scan# 1138  
Delta R.T. -0.00 min  
Lab File: VW014562.D  
Acq: 08 Jan 2020 16:22

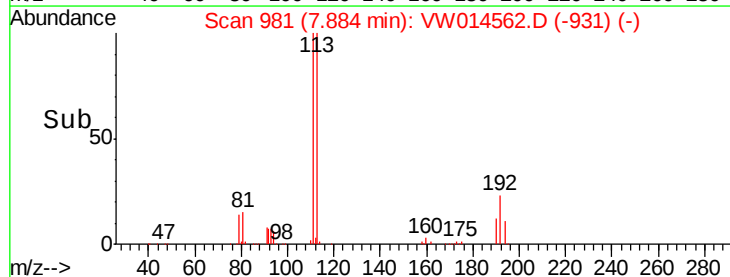
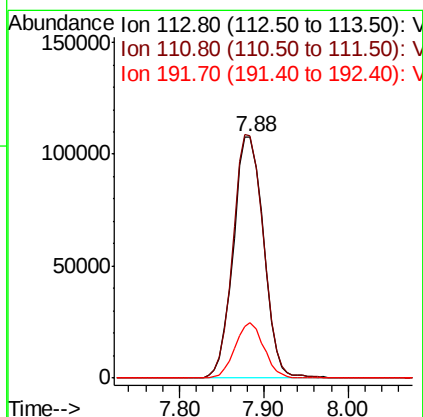
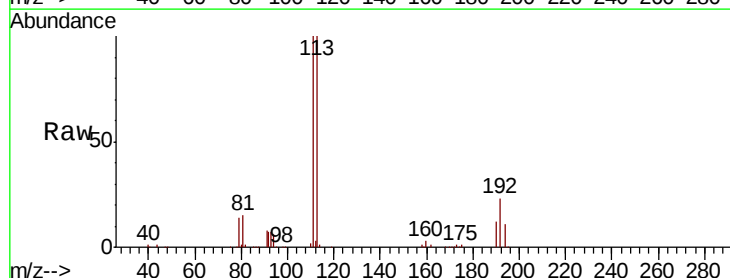
Instrument :  
MSVOA\_W  
ClientSampleId :  
WP022SB447\_200106\_33-34

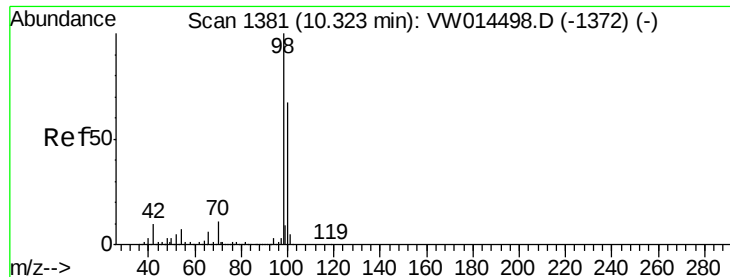
Tot Ion:114 Resp: 983394  
Ion Ratio Lower Upper  
114 100  
63 19.9 0.0 40.4  
88 15.8 0.0 30.6



#35  
Dibromofluoromethane  
Concen: 46.550 ug/l  
RT: 7.88 min Scan# 981  
Delta R.T. 0.01 min  
Lab File: VW014562.D  
Acq: 08 Jan 2020 16:22

Tgt Ion:113 Resp: 261621  
Ion Ratio Lower Upper  
113 100  
111 101.4 81.4 122.2  
192 21.8 17.8 26.8





#50

Toluene-d8

Concen: 41.905 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW014562.D

Acq: 08 Jan 2020 16:22

Instrument :

MSVOA\_W

ClientSampleId :

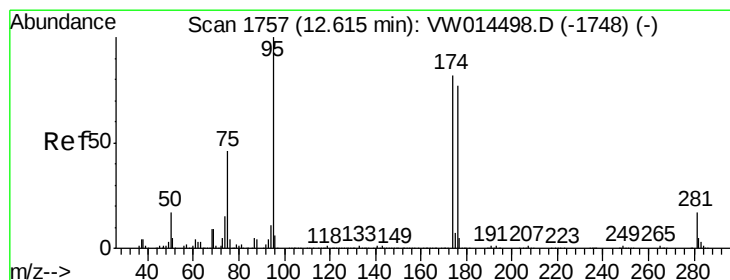
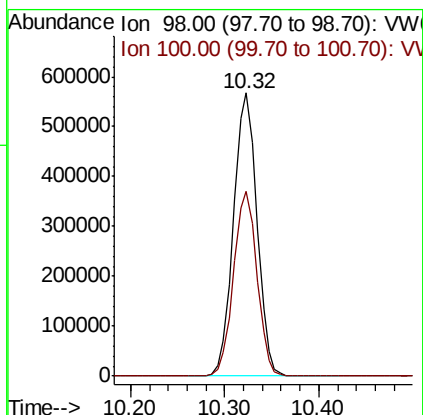
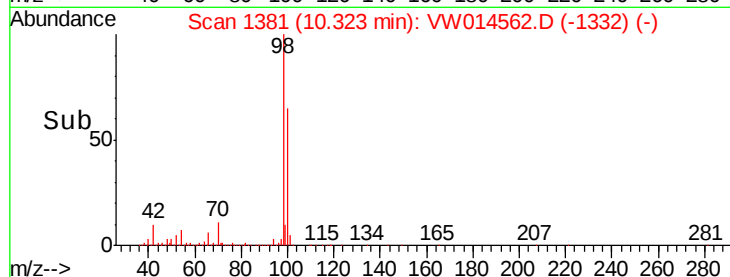
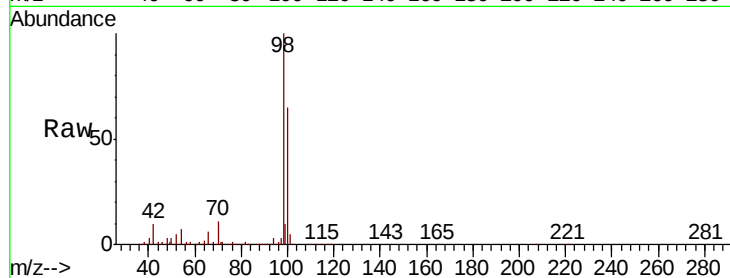
WP022SB447\_200106\_33-34

Tot Ion: 98 Resp: 982870

Ion Ratio Lower Upper

98 100

100 65.3 53.8 80.6



#62

4-Bromofluorobenzene

Concen: 34.537 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW014562.D

Acq: 08 Jan 2020 16:22

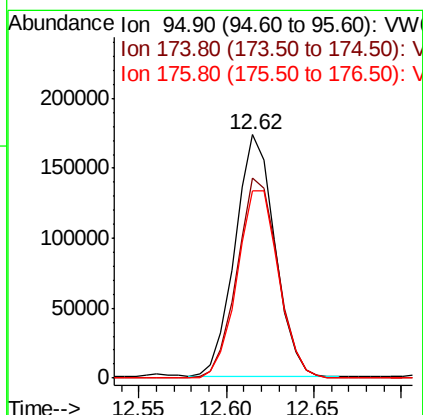
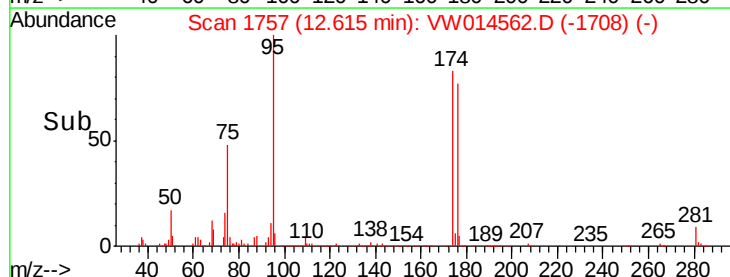
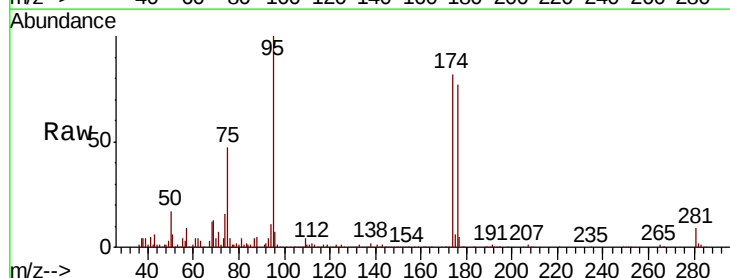
Tgt Ion: 95 Resp: 274762

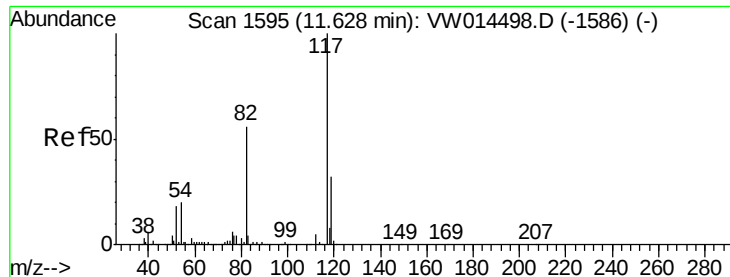
Ion Ratio Lower Upper

95 100

174 84.7 0.0 168.6

176 80.9 0.0 162.0

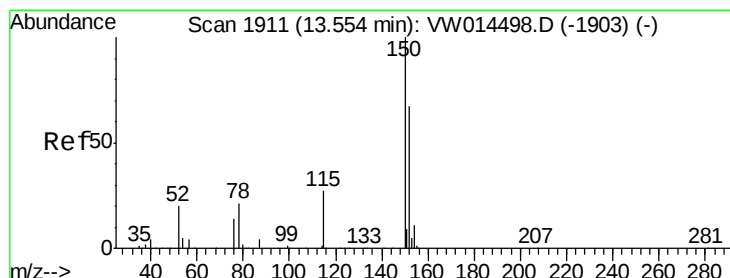
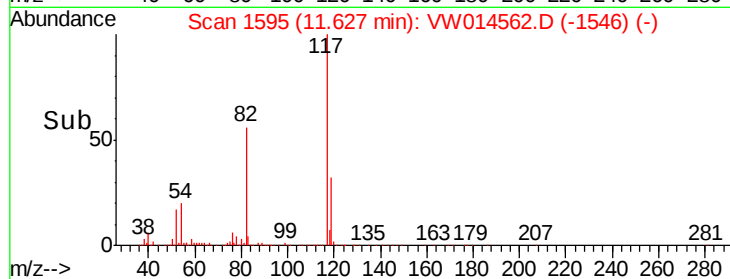
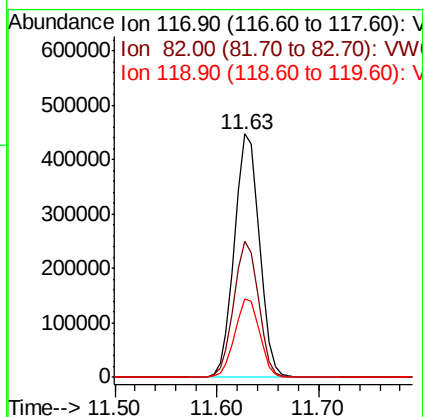
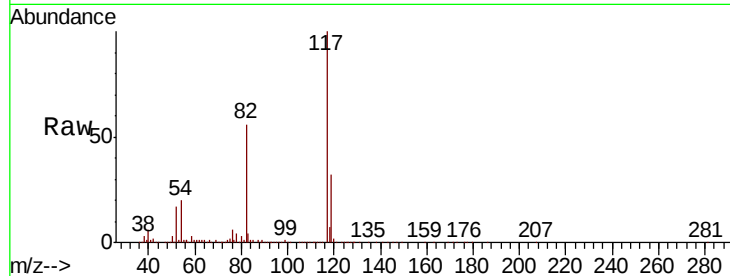




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. -0.00 min  
Lab File: VW014562.D  
Acq: 08 Jan 2020 16:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
WP022SB447\_200106\_33-34

Tot Ion:117 Resp: 756886  
Ion Ratio Lower Upper  
117 100  
82 55.9 44.6 67.0  
119 32.3 25.7 38.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. 0.01 min  
Lab File: VW014562.D  
Acq: 08 Jan 2020 16:22

Tgt Ion:152 Resp: 267658  
Ion Ratio Lower Upper  
152 100  
115 55.1 27.7 83.1  
150 151.2 0.0 343.4

