

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100819\  
 Data File : VW013485.D  
 Acq On : 08 Oct 2019 14:25  
 Operator : SY/VA  
 Sample : VW1008SBL01  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Oct 09 06:01:37 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W100819S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 09 05:54:09 2019  
 Response via : Initial Calibration

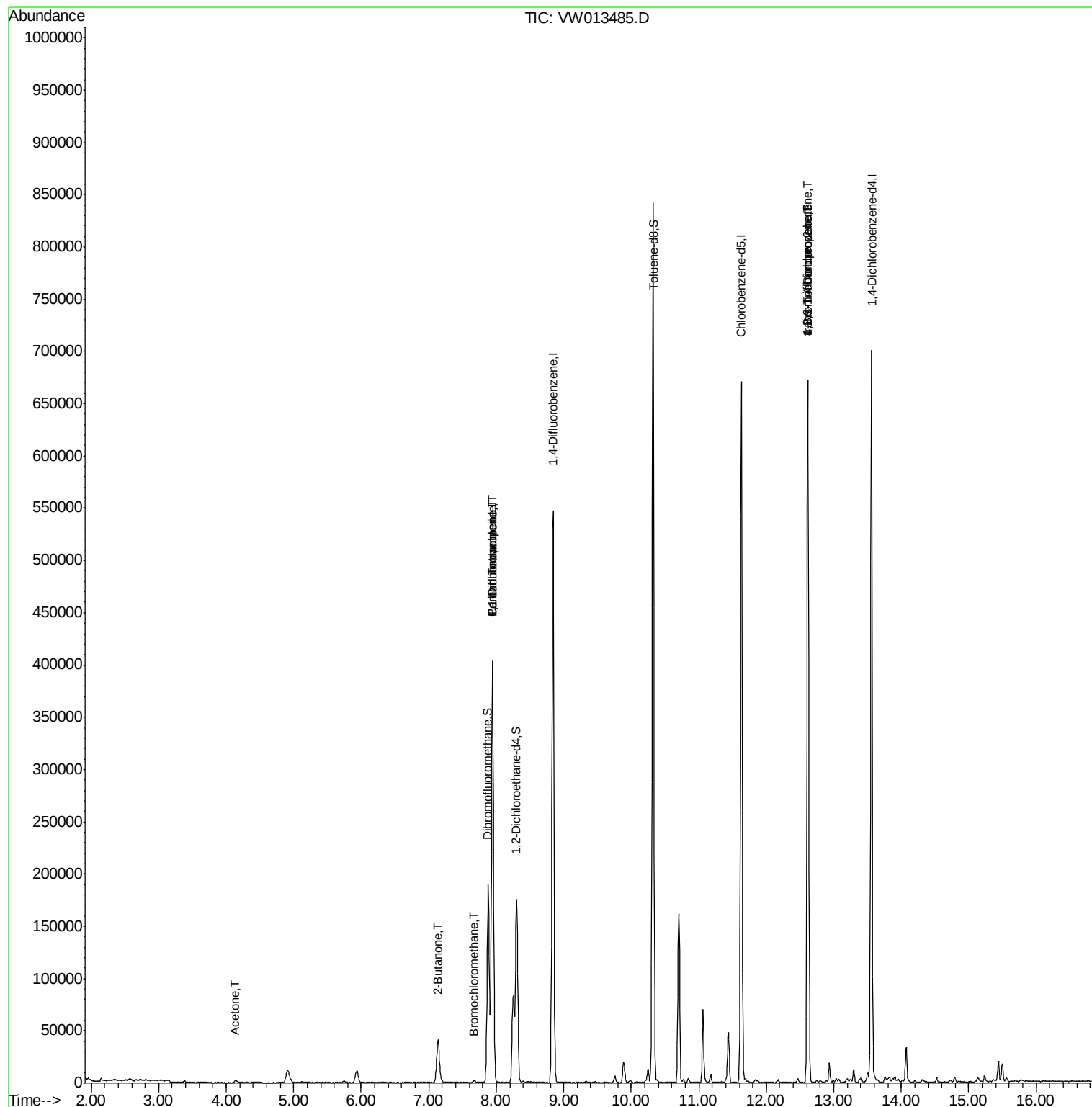
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units   | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|---------|----------|
| 1) Pentafluorobenzene          | 7.95  | 168  | 343070   | 50.00     | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.84  | 114  | 494260   | 50.00     | ug/l    | 0.00     |
| 63) Chlorobenzene-d5           | 11.63 | 117  | 414215   | 50.00     | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 13.56 | 152  | 205544   | 50.00     | ug/l    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |         |          |
| 33) 1,2-Dichloroethane-d4      | 8.30  | 65   | 137118   | 51.73     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 103.46% |          |
| 35) Dibromofluoromethane       | 7.88  | 113  | 141793   | 51.36     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 102.72% |          |
| 50) Toluene-d8                 | 10.32 | 98   | 590511   | 50.90     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 101.80% |          |
| 62) 4-Bromofluorobenzene       | 12.62 | 95   | 197003   | 50.55     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 101.10% |          |
| Target Compounds               |       |      |          |           |         |          |
|                                |       |      |          |           | Qvalue  |          |
| 11) Tert butyl alcohol         | 5.10  | 59   | 576      | Below Cal | #       | 72       |
| 16) Acetone                    | 4.14  | 43   | 4429     | 7.181     | ug/l #  | 71       |
| 20) Methylene Chloride         | 4.90  | 84   | 10072    | Below Cal |         | 92       |
| 25) 2-Butanone                 | 7.13  | 43   | 2316     | 2.548     | ug/l #  | 47       |
| 28) Bromochloromethane         | 7.67  | 49   | 23       | 2.371     | ug/l #  | 98       |
| 36) 1,1-Dichloropropene        | 7.94  | 75   | 21574    | 4.825     | ug/l #  | 49       |
| 38) Carbon Tetrachloride       | 7.95  | 117  | 29203    | 7.368     | ug/l #  | 17       |
| 76) 1,2,3-Trichloropropane     | 12.62 | 75   | 93183    | 54.433    | ug/l #  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.62 | 75   | 93183    | 111.270   | ug/l #  | 14       |

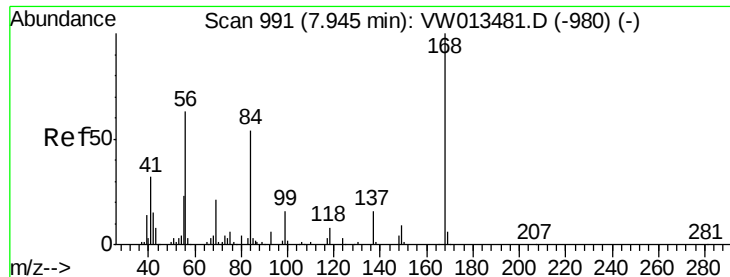
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW100819\  
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MSVOA\_W  
ClientSampleId :

Quant Time: Oct 09 06:01:37 2019  
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Quant Title : SW846 8260  
QLast Update : Wed Oct 09 05:54:09 2019  
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: VW013485.D

Acq: 08 Oct 2019 14:25

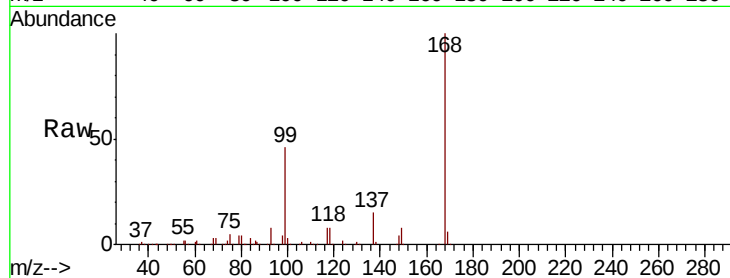
Instrument :  
MSVOA\_W  
ClientSampleId :

Tot Ion:168 Resp: 343070

Ion Ratio Lower Upper

168 100

99 46.5 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

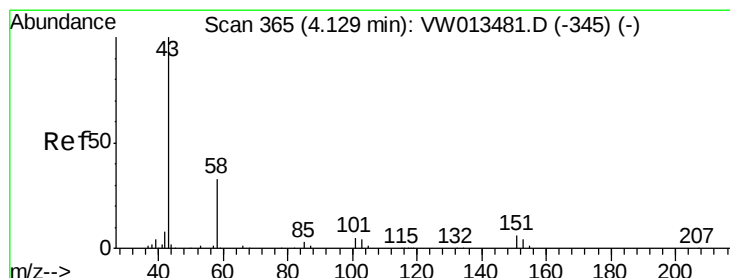
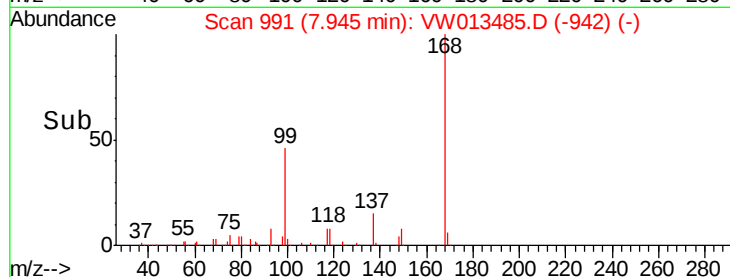
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 7.181 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW013485.D

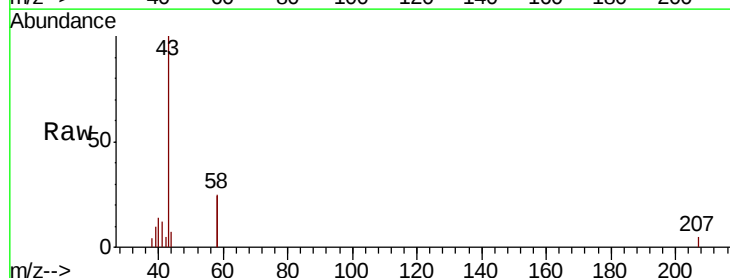
Acq: 08 Oct 2019 14:25

Tgt Ion: 43 Resp: 4429

Ion Ratio Lower Upper

43 100

58 48.8 26.1 39.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

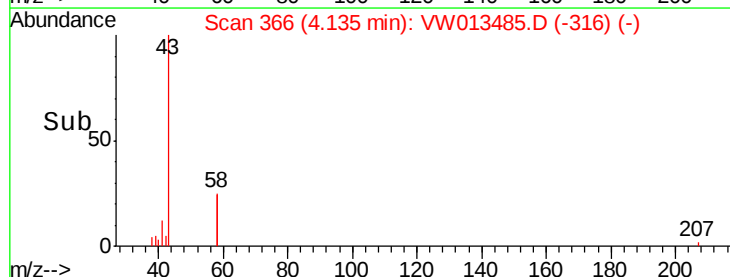
1500

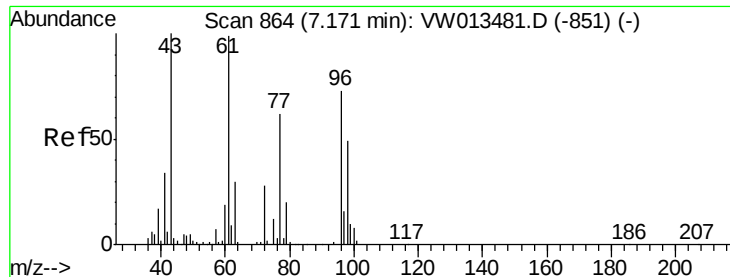
1000

500

0

Time--> 4.05 4.10 4.15 4.20 4.25





#25

2-Butanone

Concen: 2.548 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.04 min

Lab File: VW013485.D

Acq: 08 Oct 2019 14:25

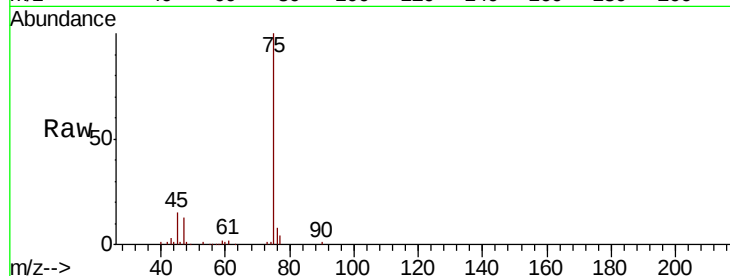
Instrument :  
MSVOA\_W  
ClientSampled :

Tot Ion: 43 Resp: 2316

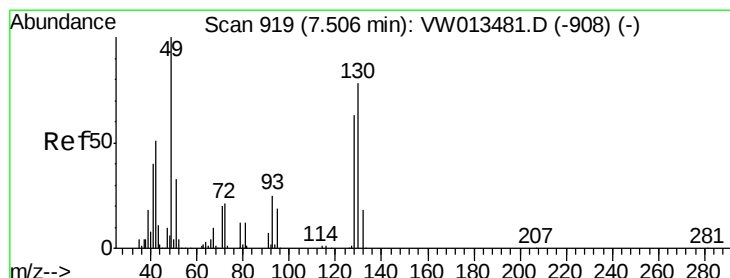
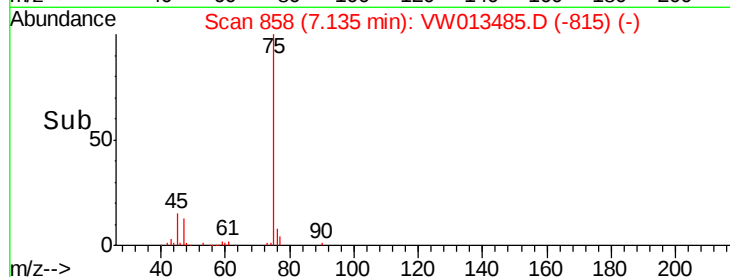
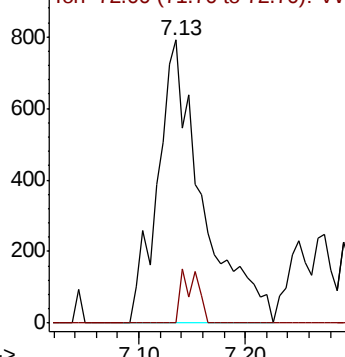
Ion Ratio Lower Upper

43 100

72 0.0 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VW  
Ion 72.00 (71.70 to 72.70): VW



#28

Bromochloromethane

Concen: 2.371 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.17 min

Lab File: VW013485.D

Acq: 08 Oct 2019 14:25

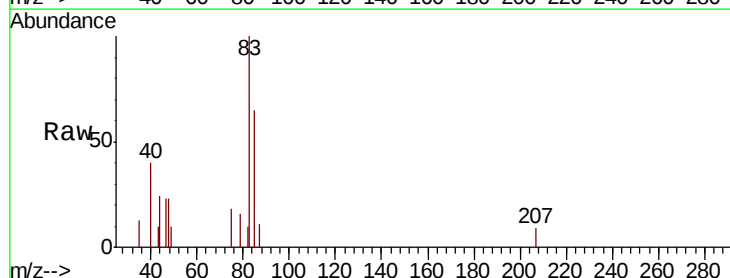
Tgt Ion: 49 Resp: 23

Ion Ratio Lower Upper

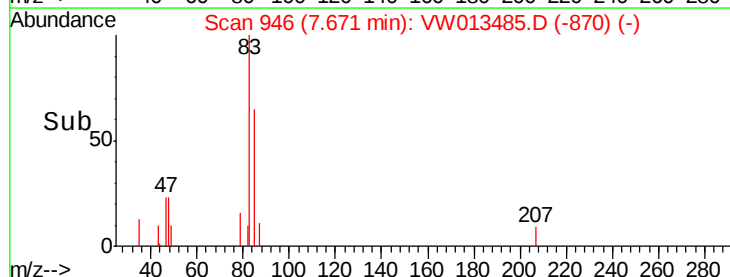
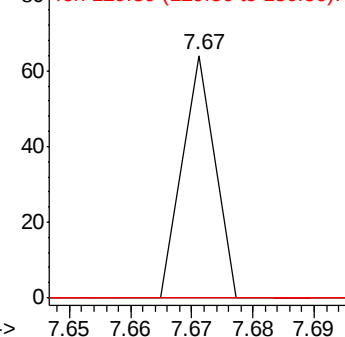
49 100

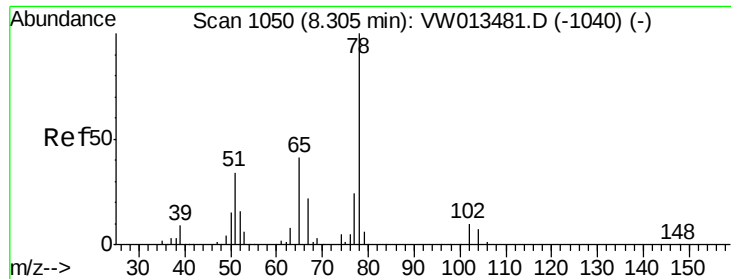
129 0.0 0.0 1.6

130 0.0 0.0 0.0



Abundance Ion 48.90 (48.60 to 49.60): VW  
Ion 128.80 (128.50 to 129.50): V  
Ion 129.80 (129.50 to 130.50): V





#33

1,2-Dichloroethane-d4

Concen: 51.732 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013485.D

Acq: 08 Oct 2019 14:25

Instrument :

MSVOA\_W

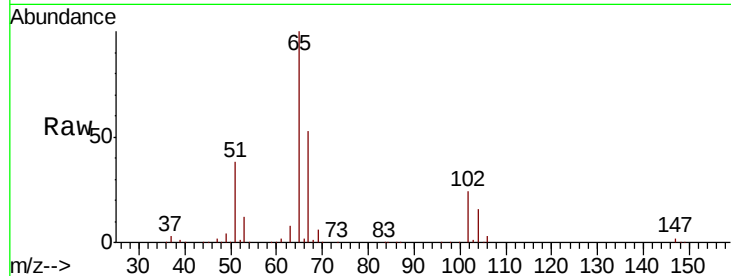
ClientSampleId :

Tot Ion: 65 Resp: 137118

Ion Ratio Lower Upper

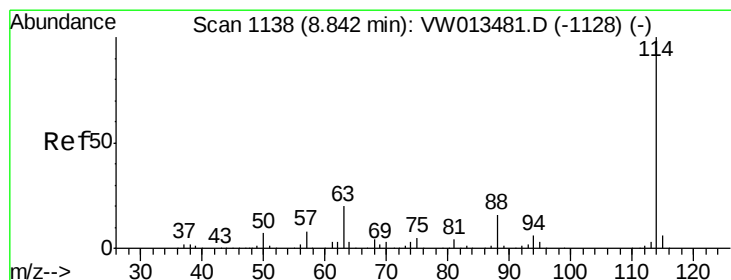
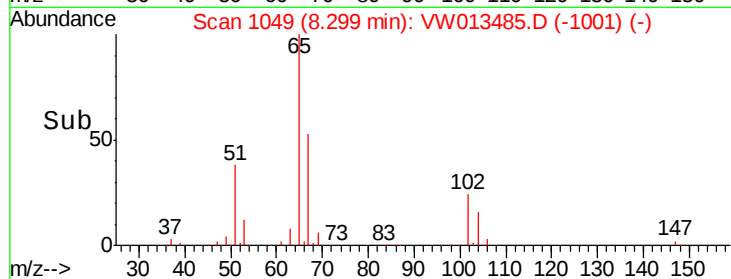
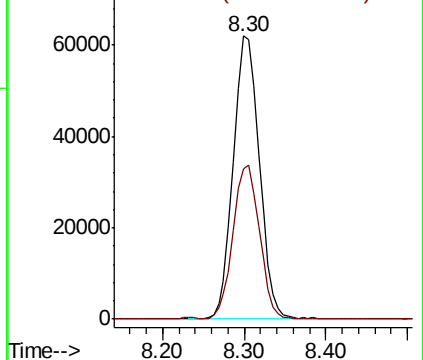
65 100

67 55.1 0.0 109.4



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: VW013485.D

Acq: 08 Oct 2019 14:25

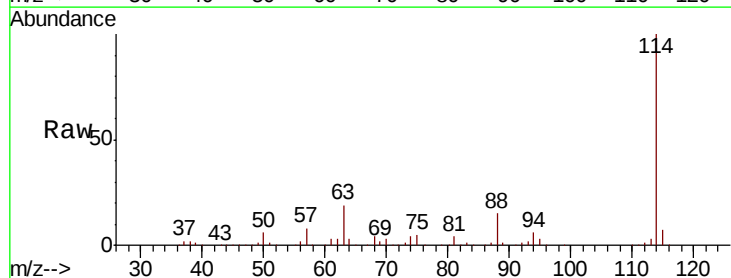
Tgt Ion: 114 Resp: 494260

Ion Ratio Lower Upper

114 100

63 18.7 0.0 40.4

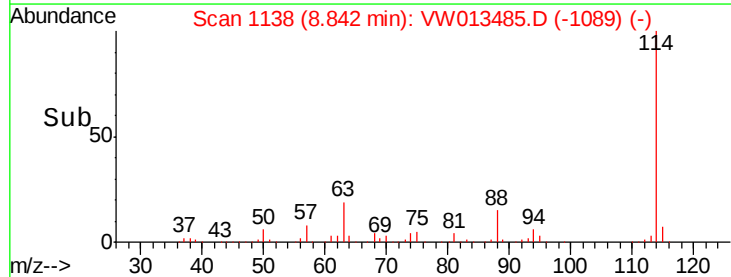
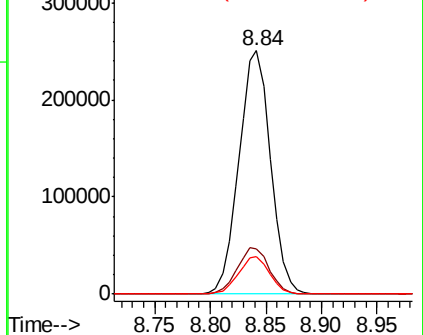
88 15.5 0.0 31.4

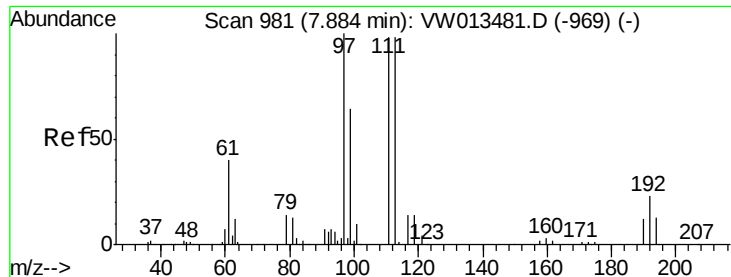


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

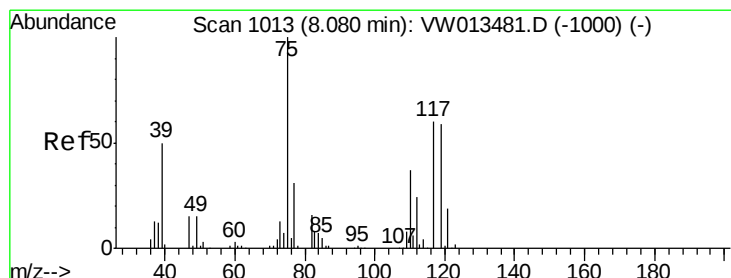
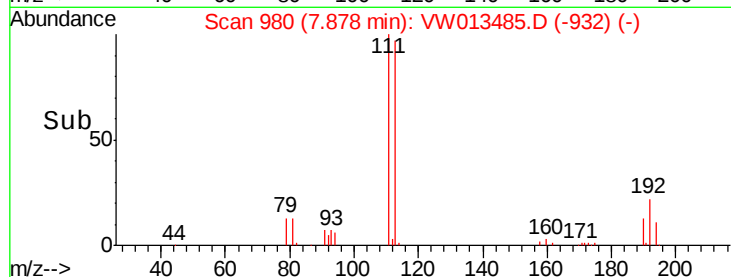
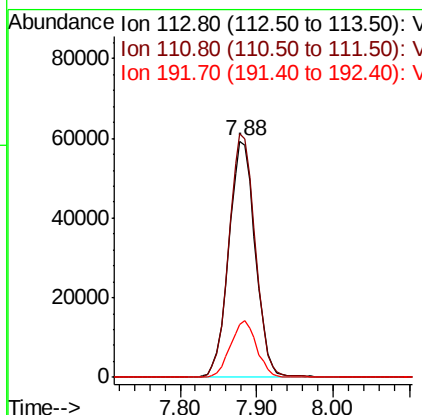
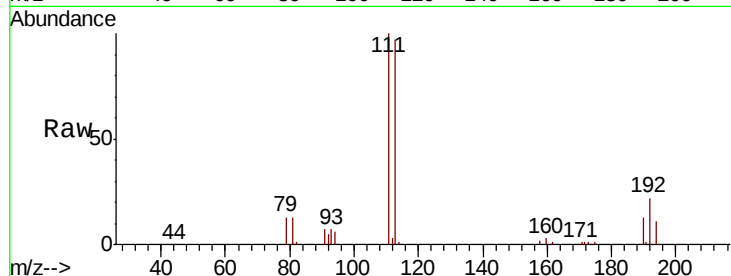




#35  
 Dibromofluoromethane  
 Concen: 51.364 ug/l  
 RT: 7.88 min Scan# 980  
 Delta R.T. -0.01 min  
 Lab File: VW013485.D  
 Acq: 08 Oct 2019 14:25

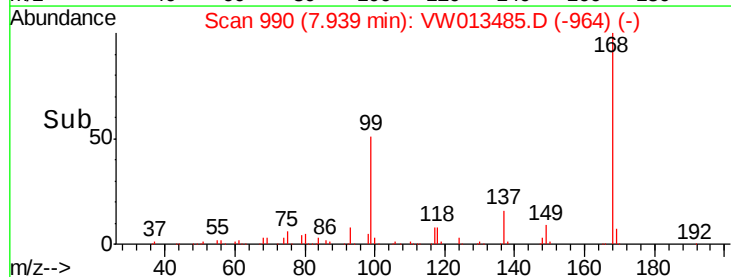
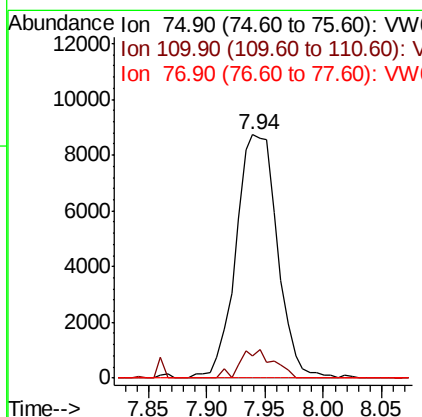
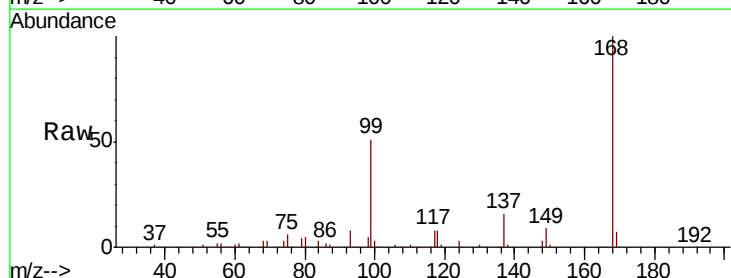
Instrument :  
 MSVOA\_W  
 ClientSampleId :

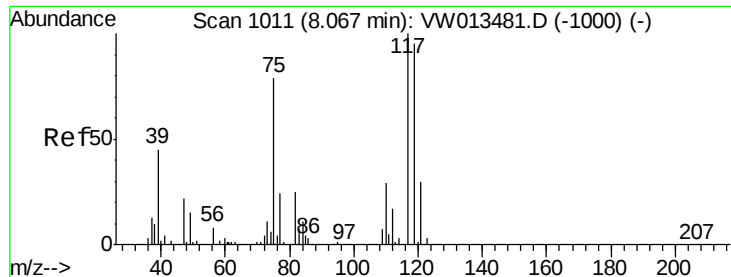
Tot Ion:113 Resp: 141793  
 Ion Ratio Lower Upper  
 113 100  
 111 102.4 82.3 123.5  
 192 23.6 19.3 28.9



#36  
 1,1-Dichloropropene  
 Concen: 4.825 ug/l  
 RT: 7.94 min Scan# 990  
 Delta R.T. -0.14 min  
 Lab File: VW013485.D  
 Acq: 08 Oct 2019 14:25

Tgt Ion: 75 Resp: 21574  
 Ion Ratio Lower Upper  
 75 100  
 110 9.6 18.4 55.2#  
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 7.368 ug/l

RT: 7.95 min Scan# 991

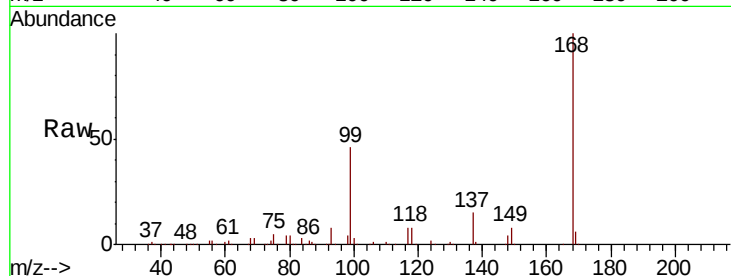
Delta R.T. -0.12 min

Lab File: VW013485.D

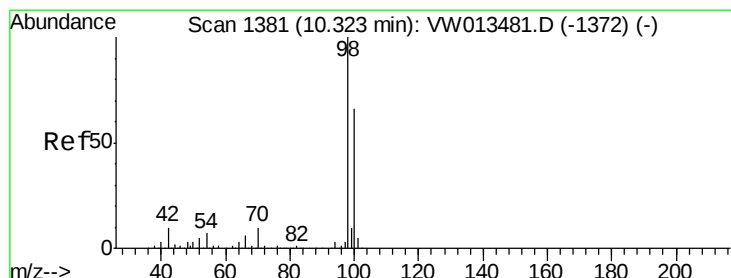
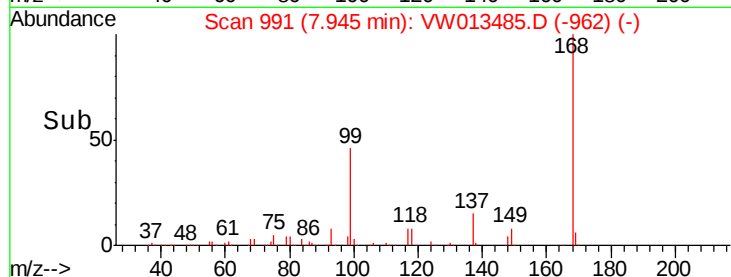
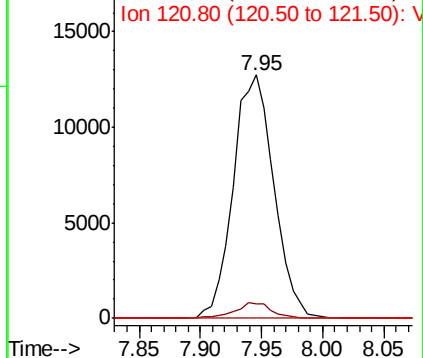
Acq: 08 Oct 2019 14:25

Instrument :  
MSVOA\_W  
ClientSampleId :

Tot Ion:117 Resp: 29203  
Ion Ratio Lower Upper  
117 100  
119 5.9 76.3 114.5#  
121 0.0 23.6 35.4#



Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 50.902 ug/l

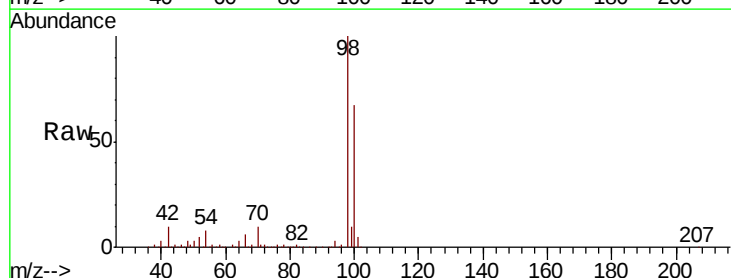
RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

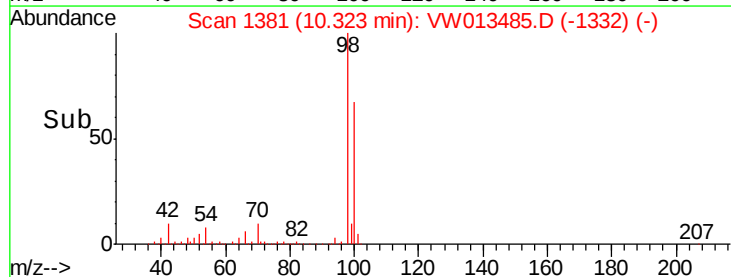
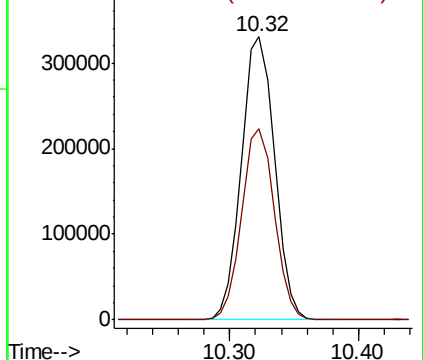
Lab File: VW013485.D

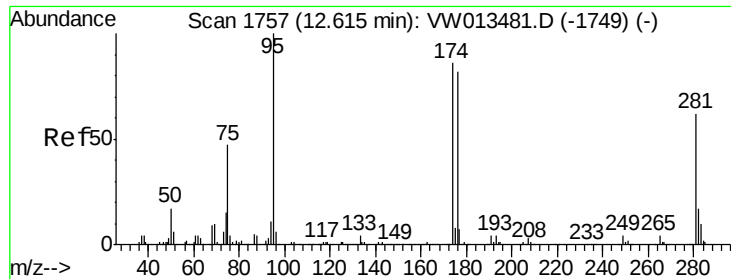
Acq: 08 Oct 2019 14:25

Tgt Ion: 98 Resp: 590511  
Ion Ratio Lower Upper  
98 100  
100 66.6 53.2 79.8



Abundance Ion 98.00 (97.70 to 98.70): VW  
Ion 100.00 (99.70 to 100.70): V

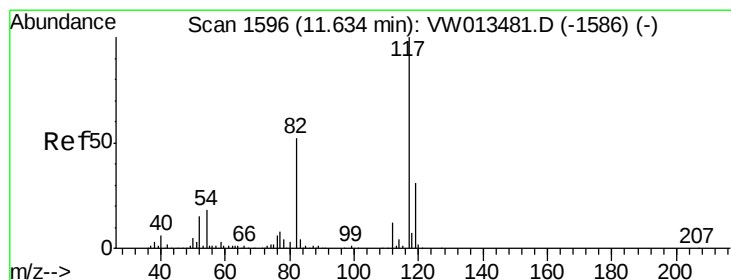
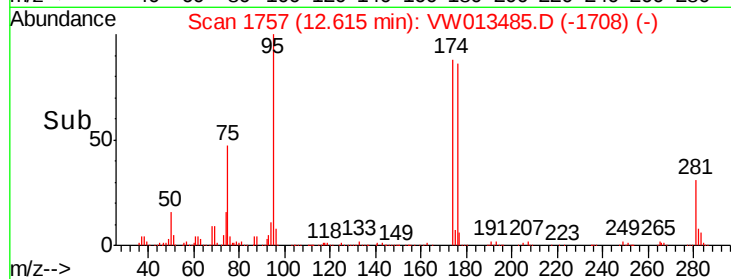
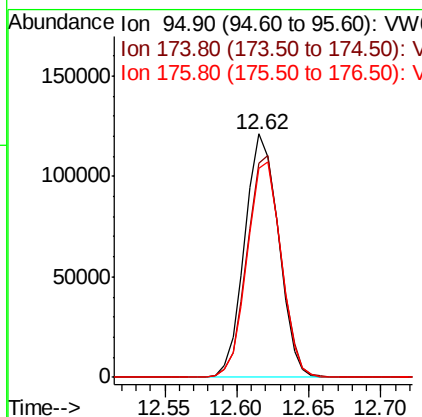
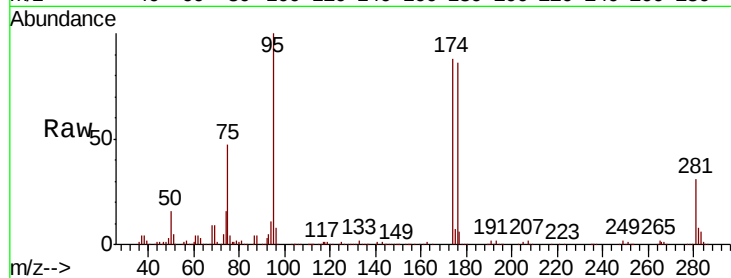




#62  
4-Bromofluorobenzene  
Concen: 50.550 ug/l  
RT: 12.62 min Scan# 1757  
Delta R.T. 0.00 min  
Lab File: VW013485.D  
Acq: 08 Oct 2019 14:25

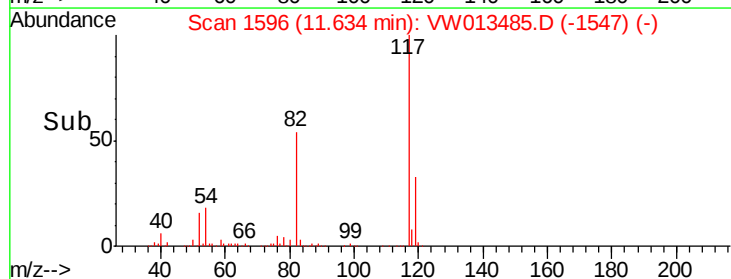
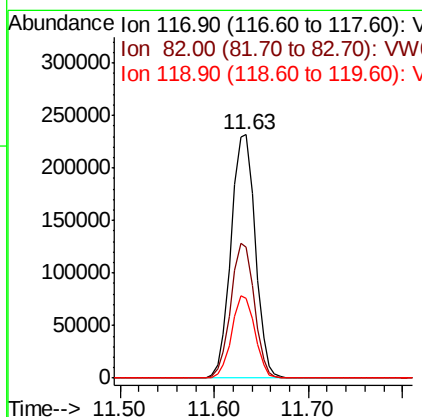
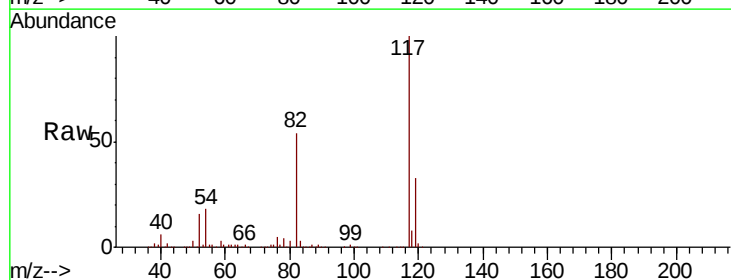
Instrument :  
MSVOA\_W  
ClientSampleId :

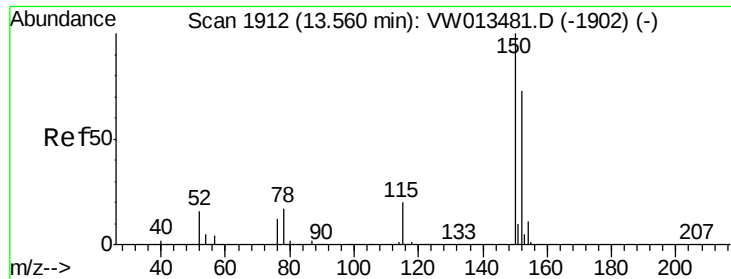
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 90.9  | 0.0   | 177.4 |
| 176     | 88.9  | 0.0   | 173.4 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW013485.D  
Acq: 08 Oct 2019 14:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 54.0  | 41.4  | 62.2  |
| 119     | 32.8  | 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: VW013485.D

Acq: 08 Oct 2019 14:25

Instrument :

MSVOA\_W

ClientSampled :

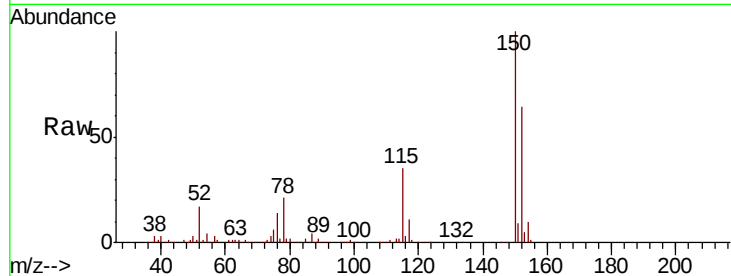
Tot Ion:152 Resp: 205544

Ion Ratio Lower Upper

152 100

115 55.3 27.0 81.0

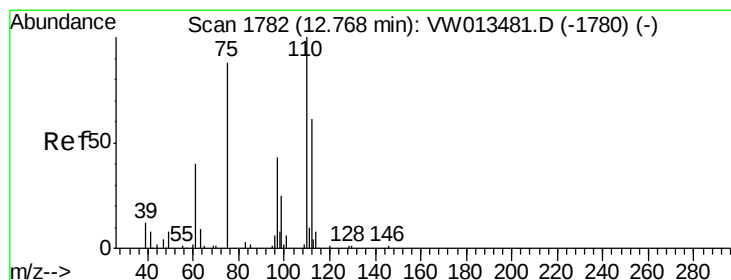
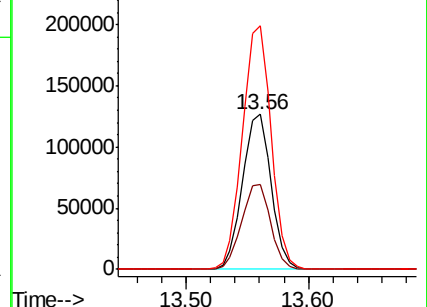
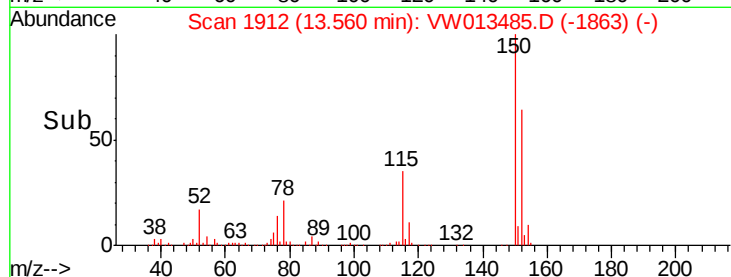
150 157.6 0.0 337.4



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



#76

1,2,3-Trichloropropane

Concen: 54.433 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013485.D

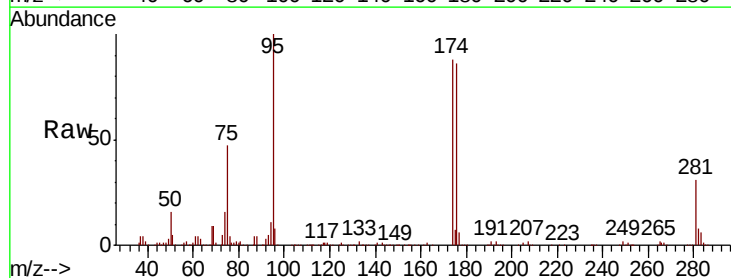
Acq: 08 Oct 2019 14:25

Tgt Ion: 75 Resp: 93183

Ion Ratio Lower Upper

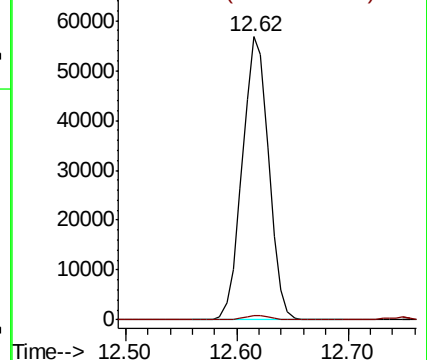
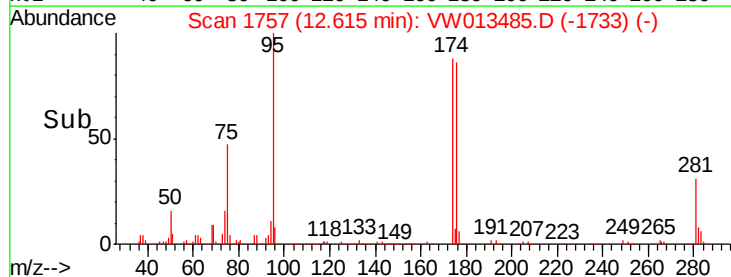
75 100

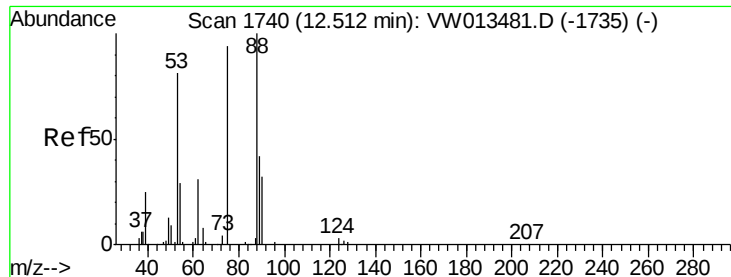
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 111.270 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013485.D

Acq: 08 Oct 2019 14:25

Instrument :

MSVOA\_W

ClientSampleId :

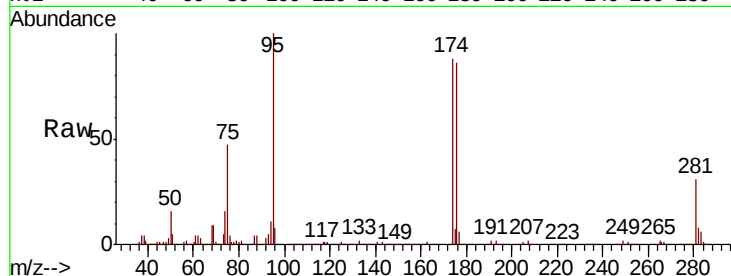
Tot Ion: 75 Resp: 93183

Ion Ratio Lower Upper

75 100

53 0.0 71.0 106.6#

89 0.3 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

