

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102819\  
 Data File : VW013760.D  
 Acq On : 28 Oct 2019 12:19  
 Operator : SY/VA  
 Sample : VW1028SBL01  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Oct 29 11:44:50 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W102319S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 23 14:11:46 2019  
 Response via : Initial Calibration

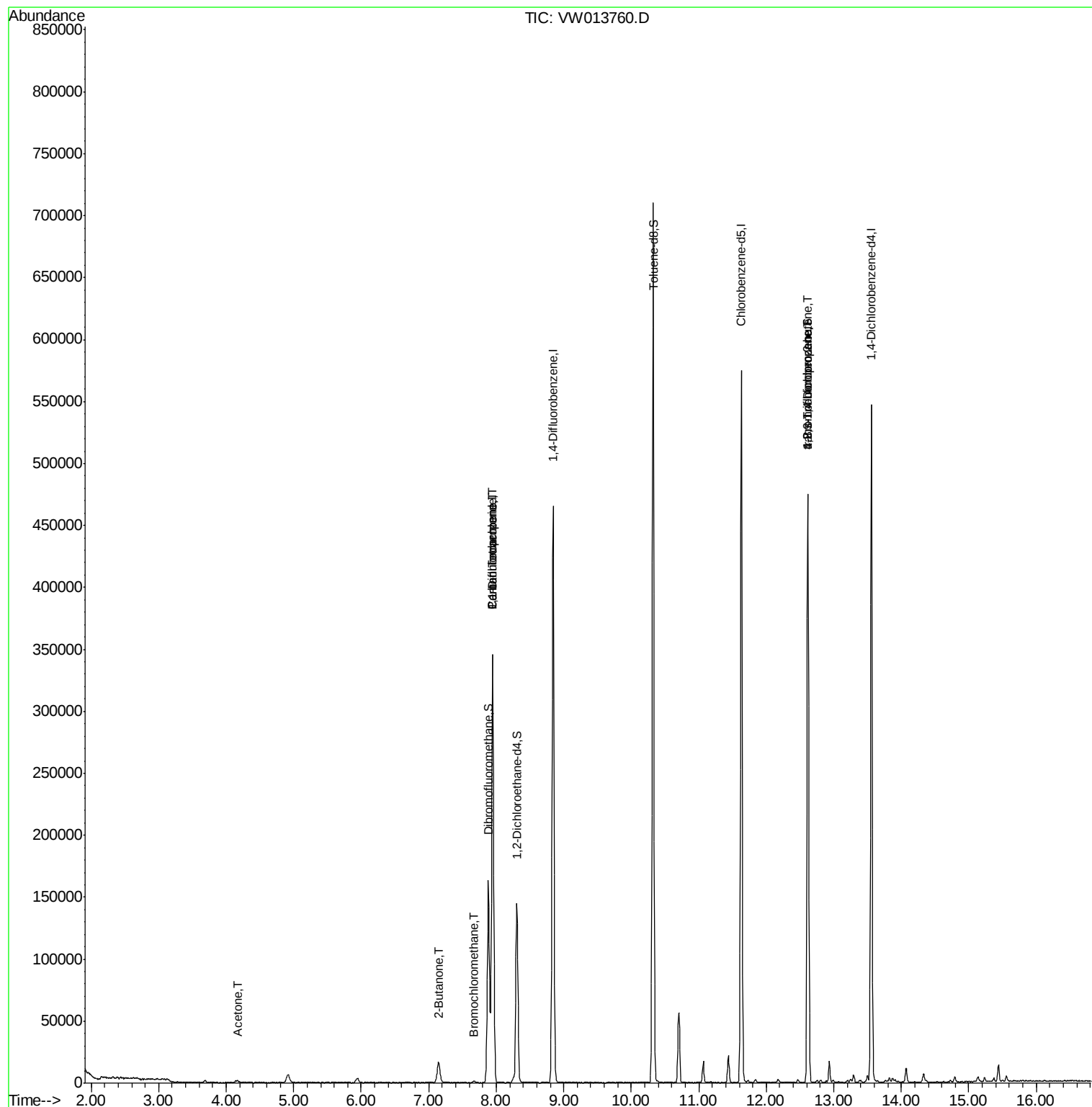
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units   | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|---------|----------|
| 1) Pentafluorobenzene          | 7.95  | 168  | 284183   | 50.00     | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.84  | 114  | 418120   | 50.00     | ug/l    | 0.00     |
| 63) Chlorobenzene-d5           | 11.63 | 117  | 351626   | 50.00     | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 13.56 | 152  | 159738   | 50.00     | ug/l    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |         |          |
| 33) 1,2-Dichloroethane-d4      | 8.31  | 65   | 111286   | 52.20     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 104.40% |          |
| 35) Dibromofluoromethane       | 7.88  | 113  | 117110   | 50.41     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 100.82% |          |
| 50) Toluene-d8                 | 10.32 | 98   | 478421   | 50.54     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 101.08% |          |
| 62) 4-Bromofluorobenzene       | 12.62 | 95   | 150094   | 46.82     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 93.64%  |          |
| Target Compounds               |       |      |          |           |         |          |
| 16) Acetone                    | 4.17  | 43   | 3924     | 8.681     | ug/l    | 93       |
| 20) Methylene Chloride         | 4.91  | 84   | 5556     | Below Cal |         | 90       |
| 25) 2-Butanone                 | 7.15  | 43   | 908      | 1.397     | ug/l #  | 74       |
| 28) Bromochloromethane         | 7.67  | 49   | 85       | 1.392     | ug/l #  | 7        |
| 36) 1,1-Dichloropropene        | 7.95  | 75   | 17538    | 4.504     | ug/l #  | 48       |
| 38) Carbon Tetrachloride       | 7.95  | 117  | 24506    | 6.989     | ug/l #  | 16       |
| 76) 1,2,3-Trichloropropane     | 12.62 | 75   | 69159    | 60.288    | ug/l #  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.62 | 75   | 69159    | 113.936   | ug/l #  | 14       |

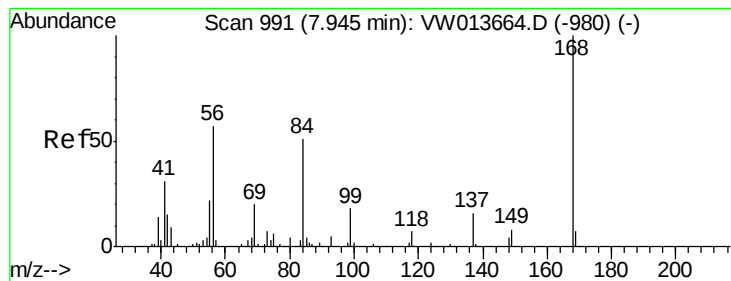
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102819\  
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ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Oct 29 11:44:50 2019  
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Quant Title : SW846 8260  
QLast Update : Wed Oct 23 14:11:46 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: VW013760.D

Acq: 28 Oct 2019 12:19

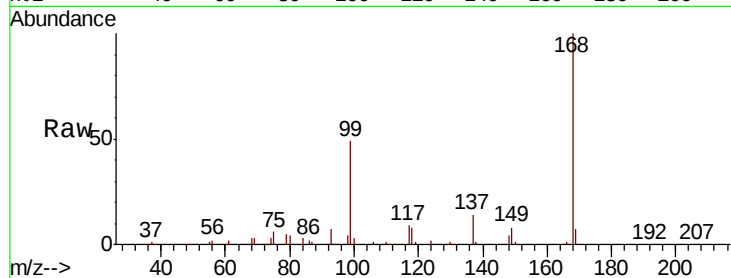
Instrument :  
MSVOA\_W  
ClientSampled :

Tot Ion:168 Resp: 284183

Ion Ratio Lower Upper

168 100

99 48.8 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

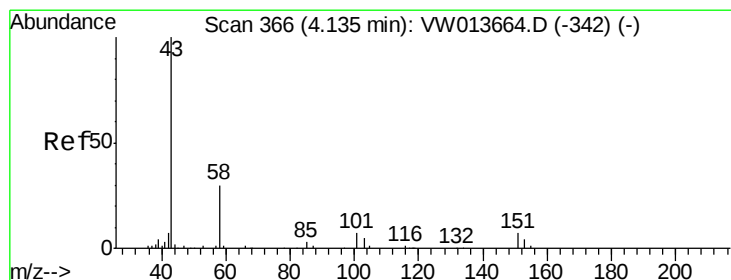
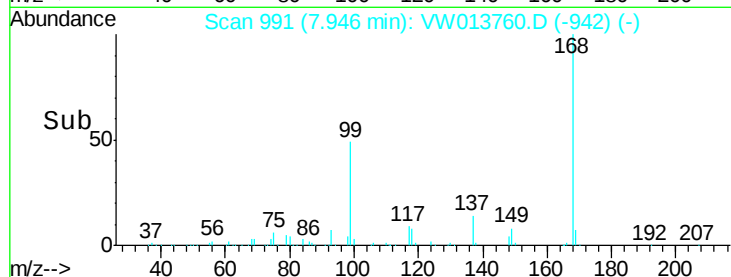
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 8.681 ug/l

RT: 4.17 min Scan# 371

Delta R.T. 0.03 min

Lab File: VW013760.D

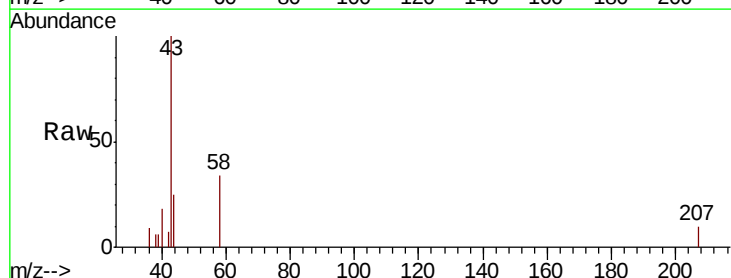
Acq: 28 Oct 2019 12:19

Tgt Ion: 43 Resp: 3924

Ion Ratio Lower Upper

43 100

58 34.1 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.17

1200

1000

800

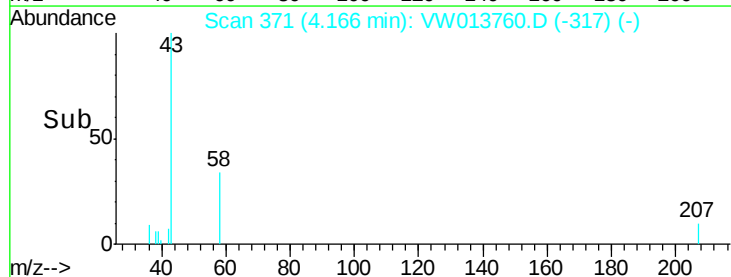
600

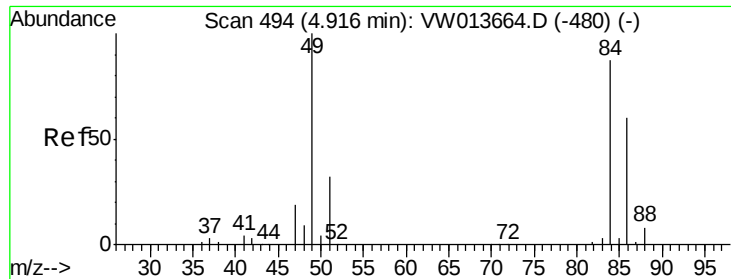
400

200

0

Time--> 4.05 4.10 4.15 4.20 4.25

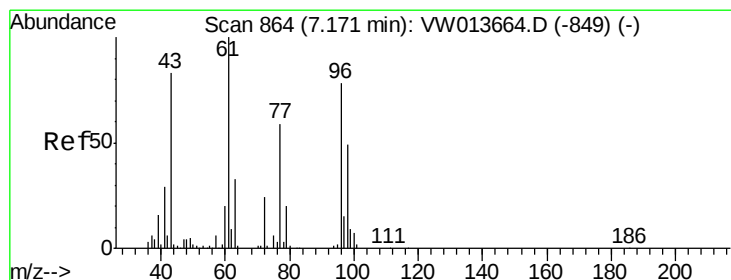
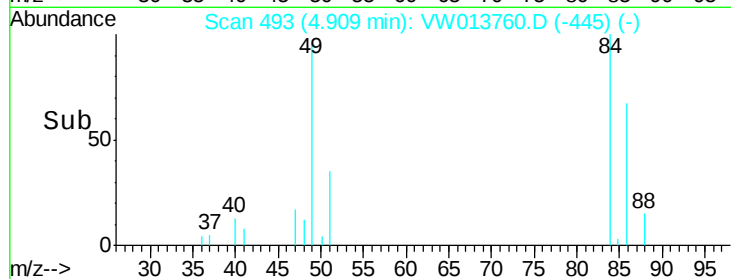
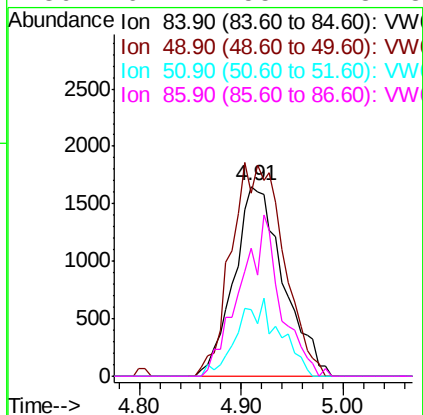
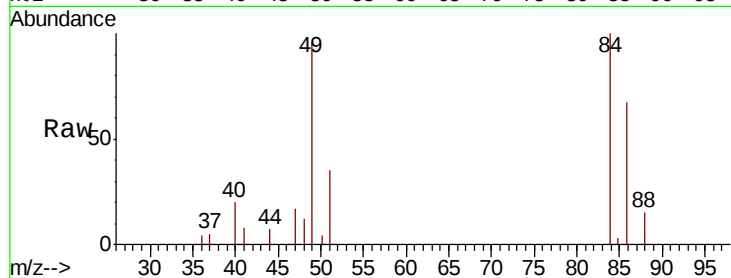




#20  
Methvlene Chloride  
Concen: Below Cal  
RT: 4.91 min Scan# 493  
Delta R.T. -0.01 min  
Lab File: VW013760.D  
Acq: 28 Oct 2019 12:19

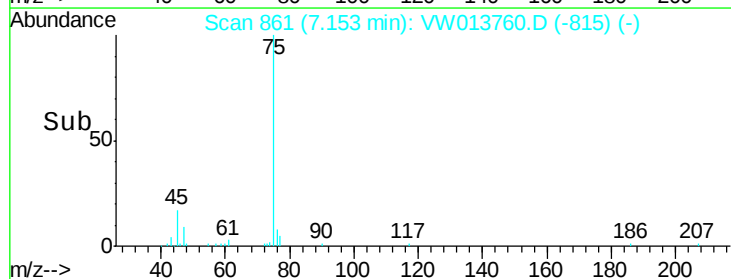
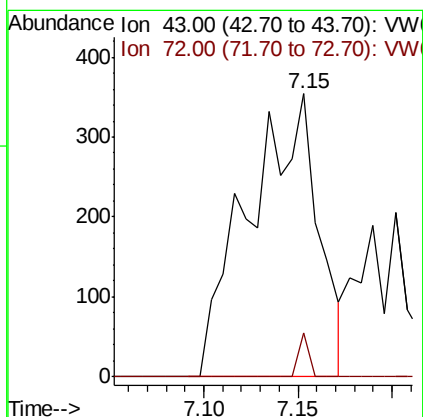
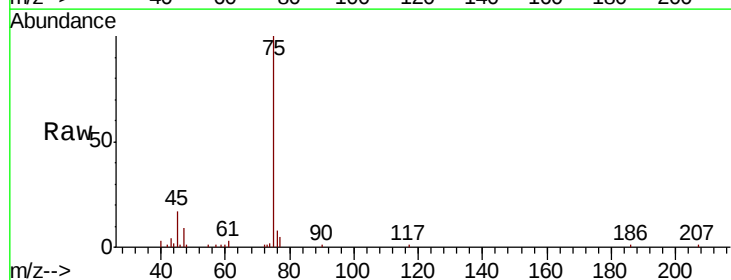
Instrument :  
MSVOA\_W  
ClientSampled :

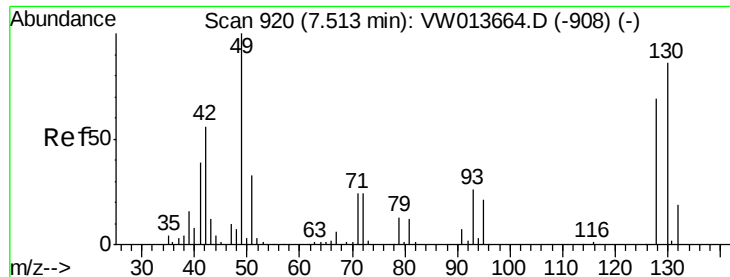
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 5556  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 96.1  | 91.8  | 137.6 |
| 51       | 34.9  | 29.8  | 44.6  |
| 86       | 67.2  | 55.2  | 82.8  |



#25  
2-Butanone  
Concen: 1.397 ug/l  
RT: 7.15 min Scan# 861  
Delta R.T. -0.02 min  
Lab File: VW013760.D  
Acq: 28 Oct 2019 12:19

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 908   |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 15.5  | 23.6  | 35.4# |





#28

Bromochloromethane

Concen: 1.392 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.16 min

Lab File: VW013760.D

Acq: 28 Oct 2019 12:19

Instrument :  
MSVOA\_W  
ClientSampled :

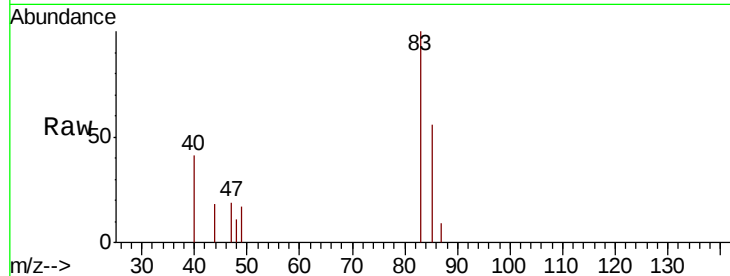
Tot Ion: 49 Resp: 85

Ion Ratio Lower Upper

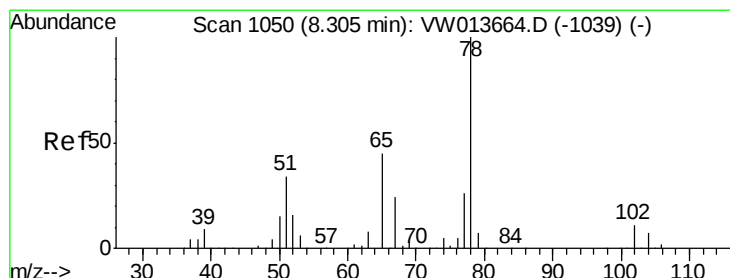
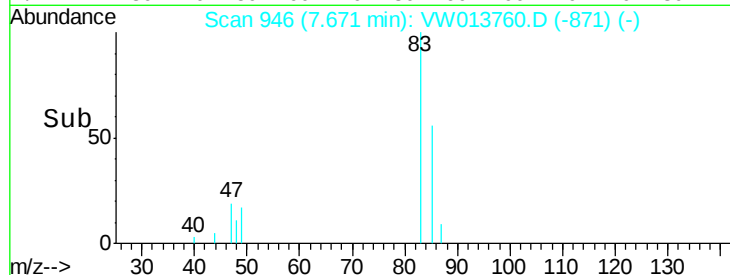
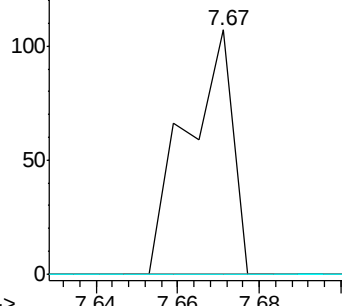
49 100

129 0.0 0.0 0.6

130 0.0 67.5 101.3#



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: 52.202 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013760.D

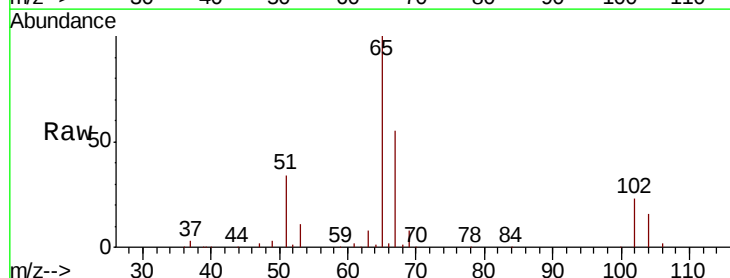
Acq: 28 Oct 2019 12:19

Tgt Ion: 65 Resp: 111286

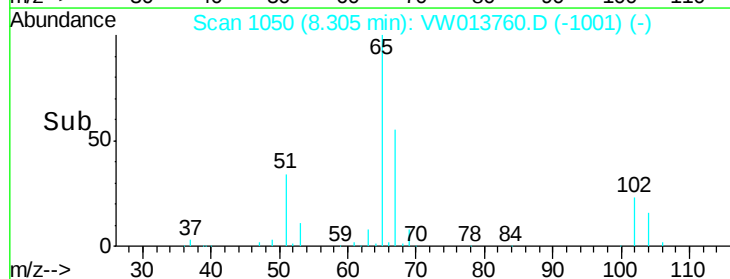
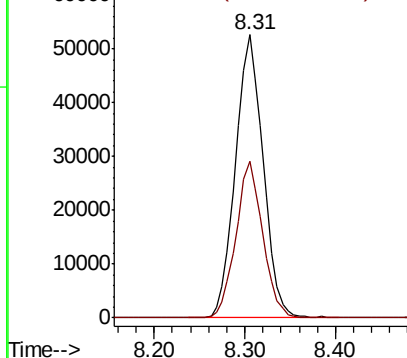
Ion Ratio Lower Upper

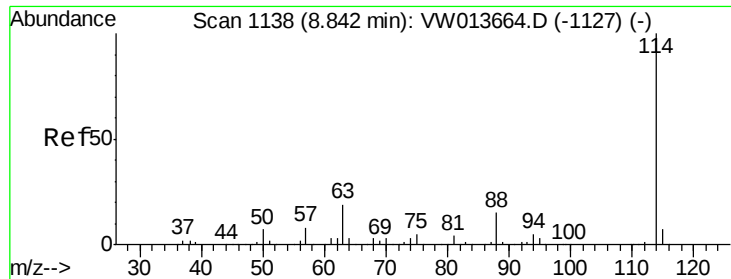
65 100

67 53.7 0.0 109.4



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

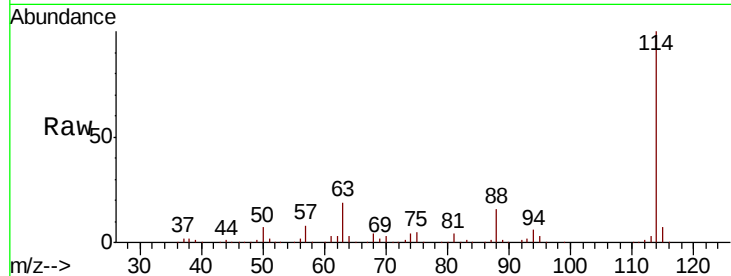




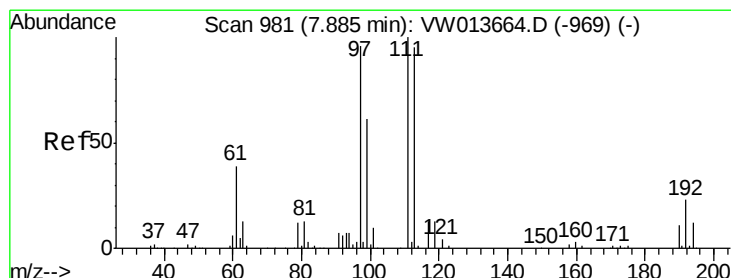
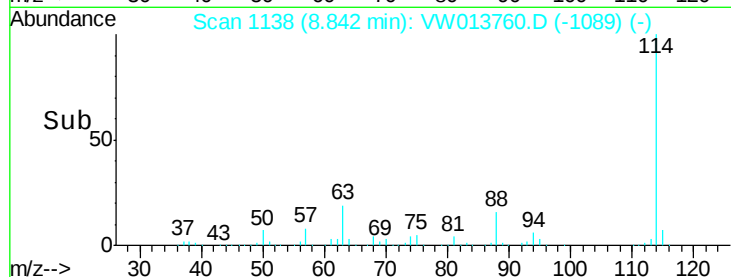
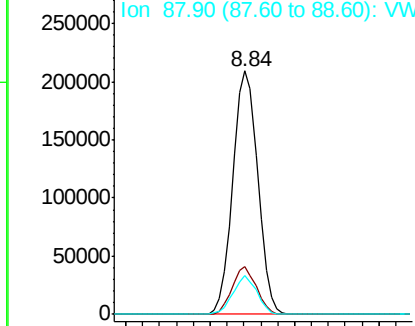
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.84 min Scan# 1138  
Delta R.T. 0.00 min  
Lab File: VW013760.D  
Acq: 28 Oct 2019 12:19

Instrument :  
MSVOA\_W  
ClientSampleId :

Tot Ion:114 Resp: 418120  
Ion Ratio Lower Upper  
114 100  
63 19.5 0.0 37.6  
88 15.8 0.0 30.2

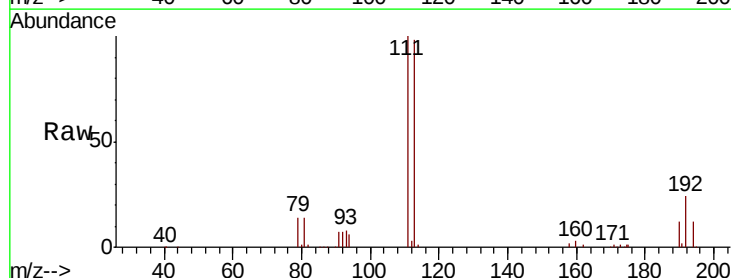


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VW  
Ion 87.90 (87.60 to 88.60): VW

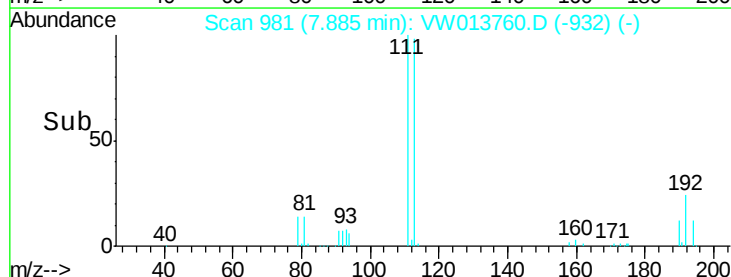
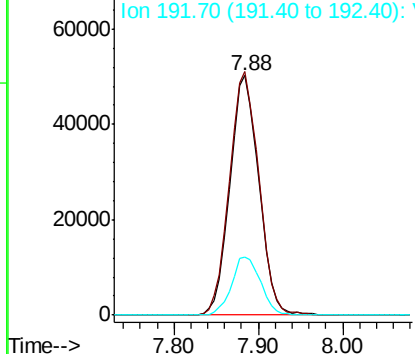


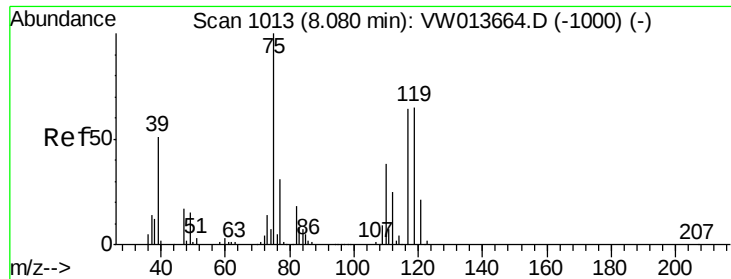
#35  
Dibromofluoromethane  
Concen: 50.407 ug/l  
RT: 7.88 min Scan# 981  
Delta R.T. 0.00 min  
Lab File: VW013760.D  
Acq: 28 Oct 2019 12:19

Tgt Ion:113 Resp: 117110  
Ion Ratio Lower Upper  
113 100  
111 102.7 83.0 124.6  
192 24.3 19.4 29.2



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

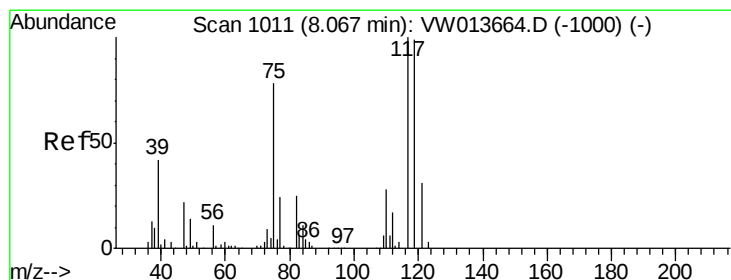
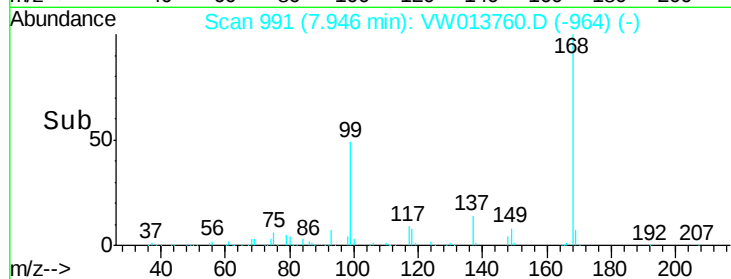
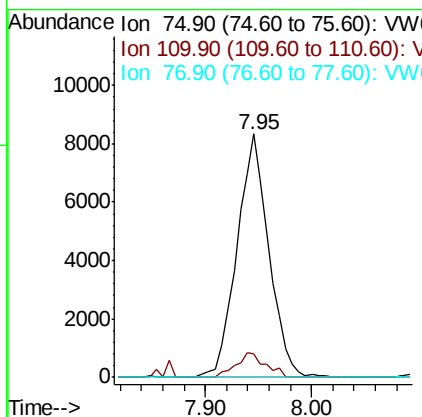
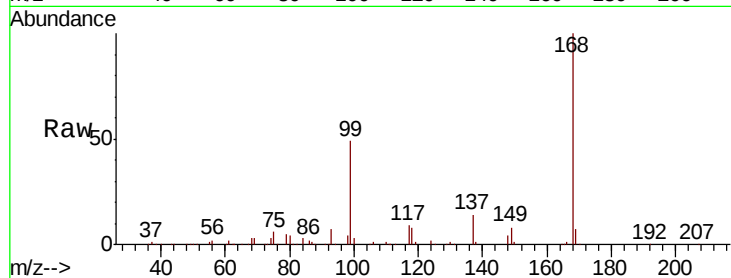




#36  
 1,1-Dichloropropene  
 Concen: 4.504 ug/l  
 RT: 7.95 min Scan# 991  
 Delta R.T. -0.13 min  
 Lab File: VW013760.D  
 Acq: 28 Oct 2019 12:19

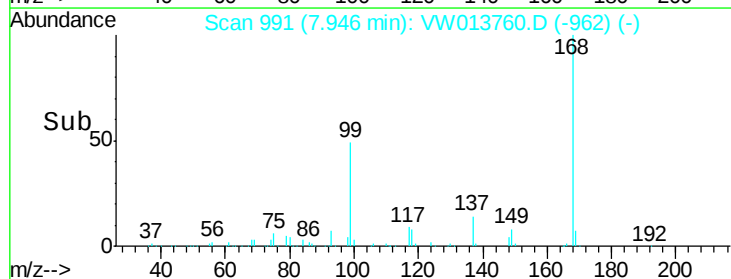
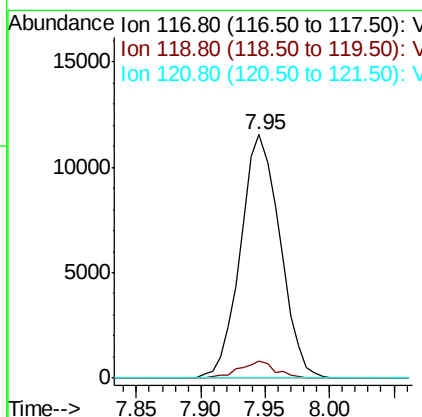
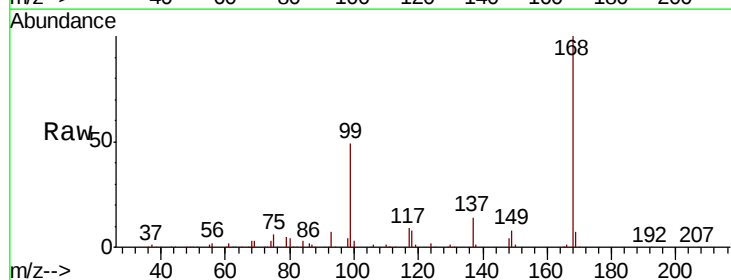
Instrument :  
 MSVOA\_W  
 ClientSampled :

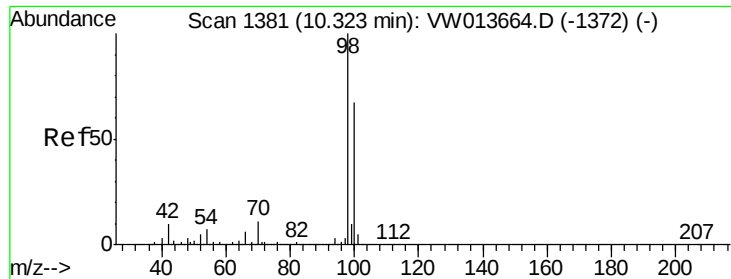
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 9.4   | 18.7  | 56.1# |
| 77      | 0.0   | 25.4  | 38.0# |



#38  
 Carbon Tetrachloride  
 Concen: 6.989 ug/l  
 RT: 7.95 min Scan# 991  
 Delta R.T. -0.12 min  
 Lab File: VW013760.D  
 Acq: 28 Oct 2019 12:19

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 7.0   | 79.0  | 118.4# |
| 121     | 0.0   | 24.5  | 36.7#  |





#50

Toluene-d8

Concen: 50.536 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013760.D

Acq: 28 Oct 2019 12:19

Instrument :

MSVOA\_W

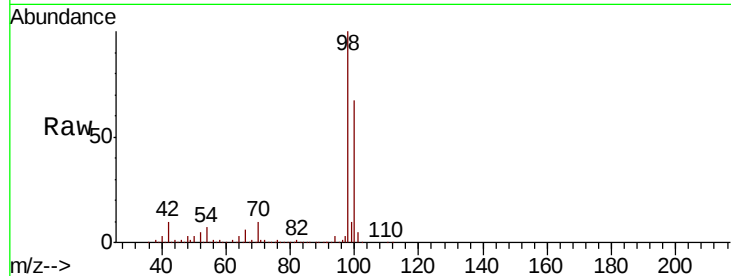
ClientSampleId :

Tot Ion: 98 Resp: 478421

Ion Ratio Lower Upper

98 100

100 66.0 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

250000

200000

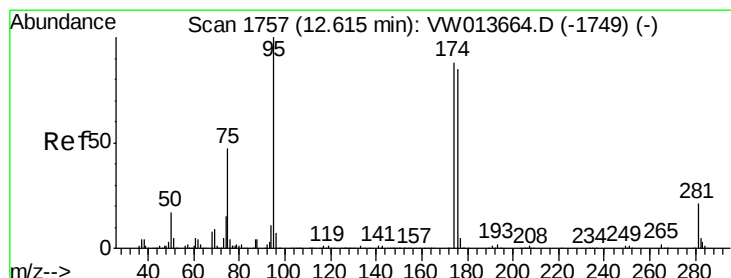
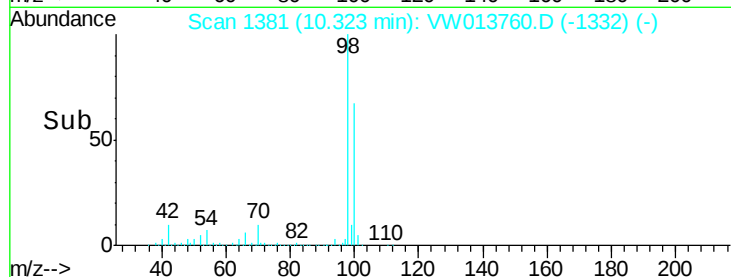
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.824 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013760.D

Acq: 28 Oct 2019 12:19

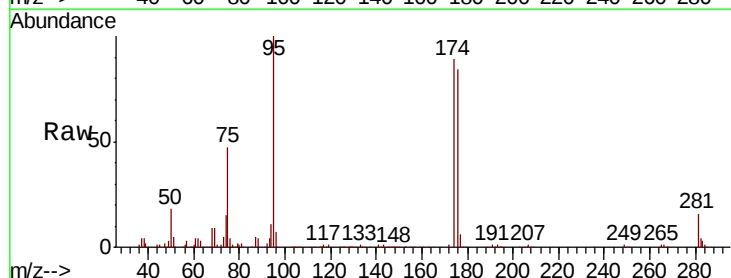
Tgt Ion: 95 Resp: 150094

Ion Ratio Lower Upper

95 100

174 91.3 0.0 183.6

176 89.8 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW

12.62

120000

100000

80000

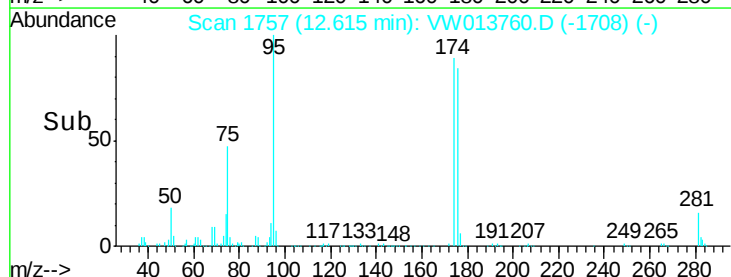
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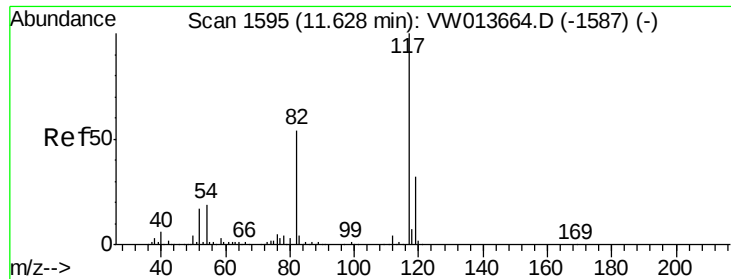
40000

20000

0

Time-->

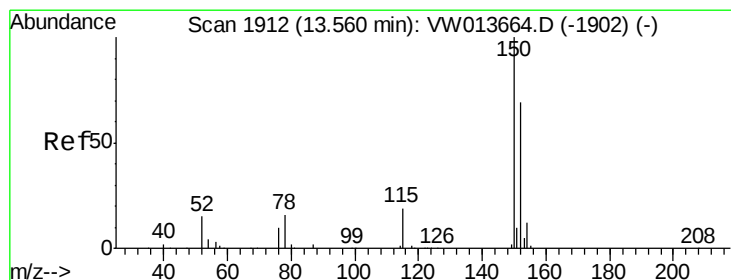
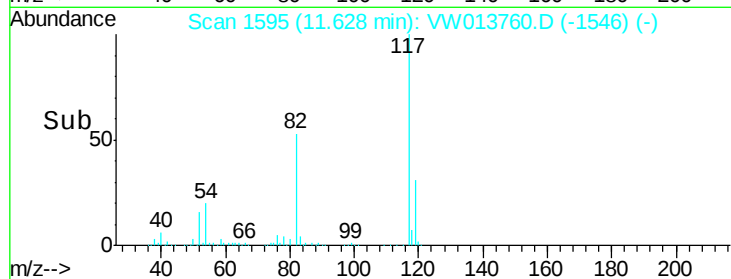
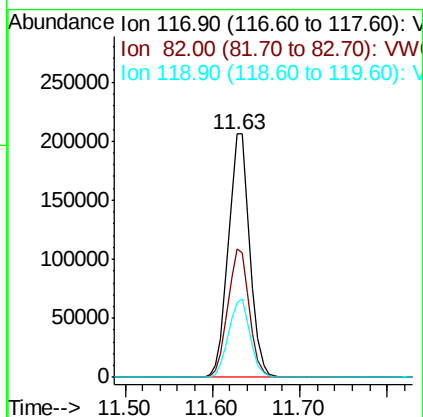
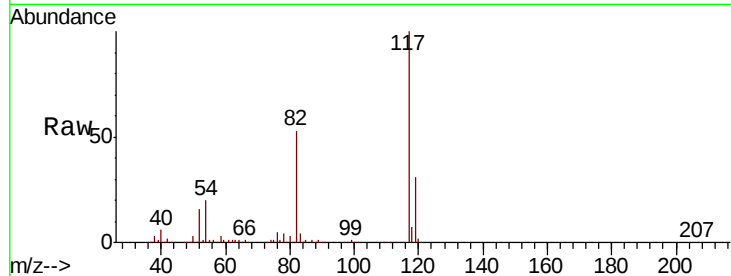




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. 0.00 min  
Lab File: VW013760.D  
Acq: 28 Oct 2019 12:19

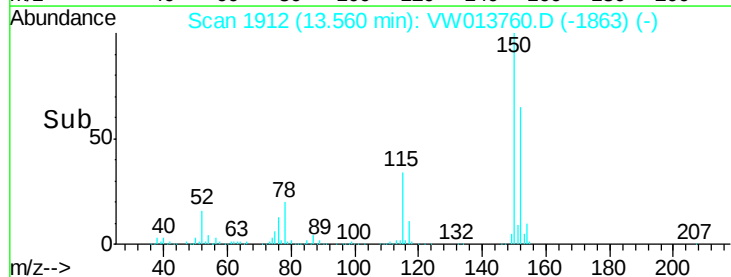
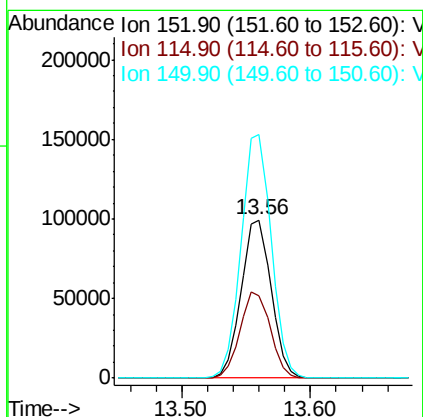
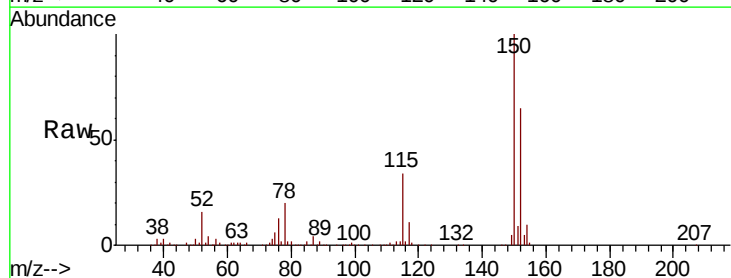
Instrument :  
MSVOA\_W  
ClientSampleId :

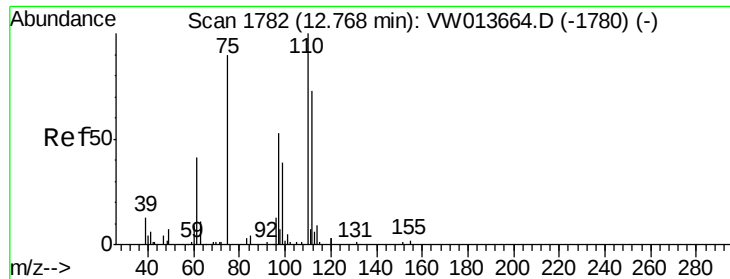
Tot Ion:117 Resp: 351626  
Ion Ratio Lower Upper  
117 100  
82 52.8 43.6 65.4  
119 30.8 25.4 38.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. 0.00 min  
Lab File: VW013760.D  
Acq: 28 Oct 2019 12:19

Tgt Ion:152 Resp: 159738  
Ion Ratio Lower Upper  
152 100  
115 54.9 27.4 82.2  
150 155.0 0.0 345.4





#76

1,2,3-Trichloropropane

Concen: 60.288 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013760.D

Acq: 28 Oct 2019 12:19

Instrument :

MSVOA\_W

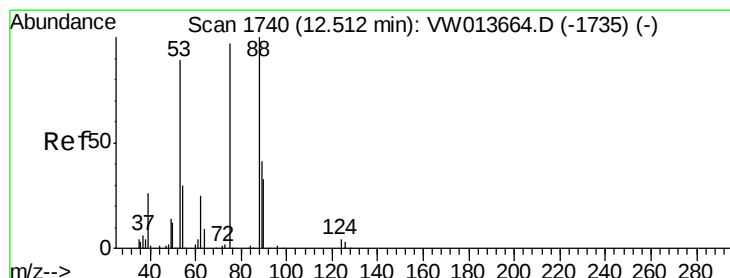
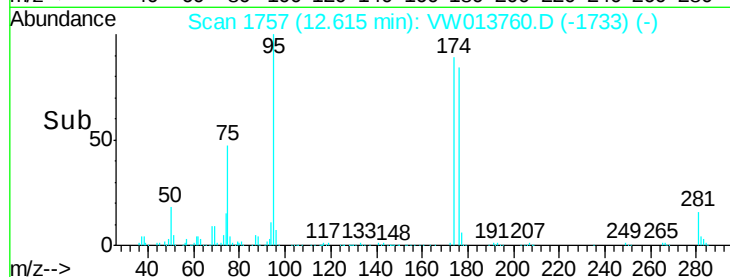
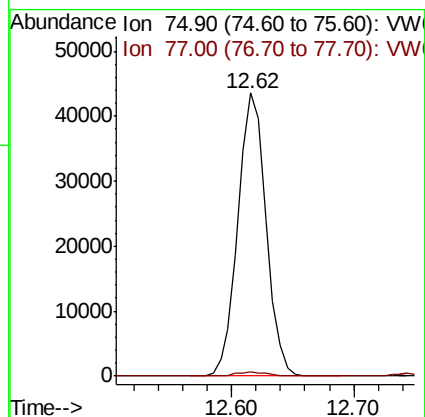
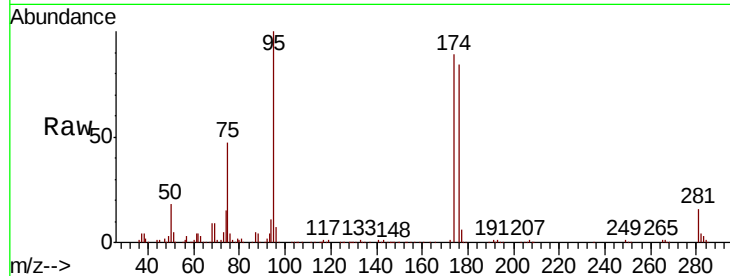
ClientSampleId :

Tot Ion: 75 Resp: 69159

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 113.936 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013760.D

Acq: 28 Oct 2019 12:19

Tgt Ion: 75 Resp: 69159

Ion Ratio Lower Upper

75 100

53 0.0 71.7 107.5#

89 0.2 35.8 53.8#

