

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102419\  
 Data File : VW013714.D  
 Acq On : 24 Oct 2019 16:44  
 Operator : SY/VA  
 Sample : K5501-02RE  
 Misc : 8.08G/5ML/MSVOA W/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 187-88-(2)

Quant Time: Oct 25 07:59:03 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

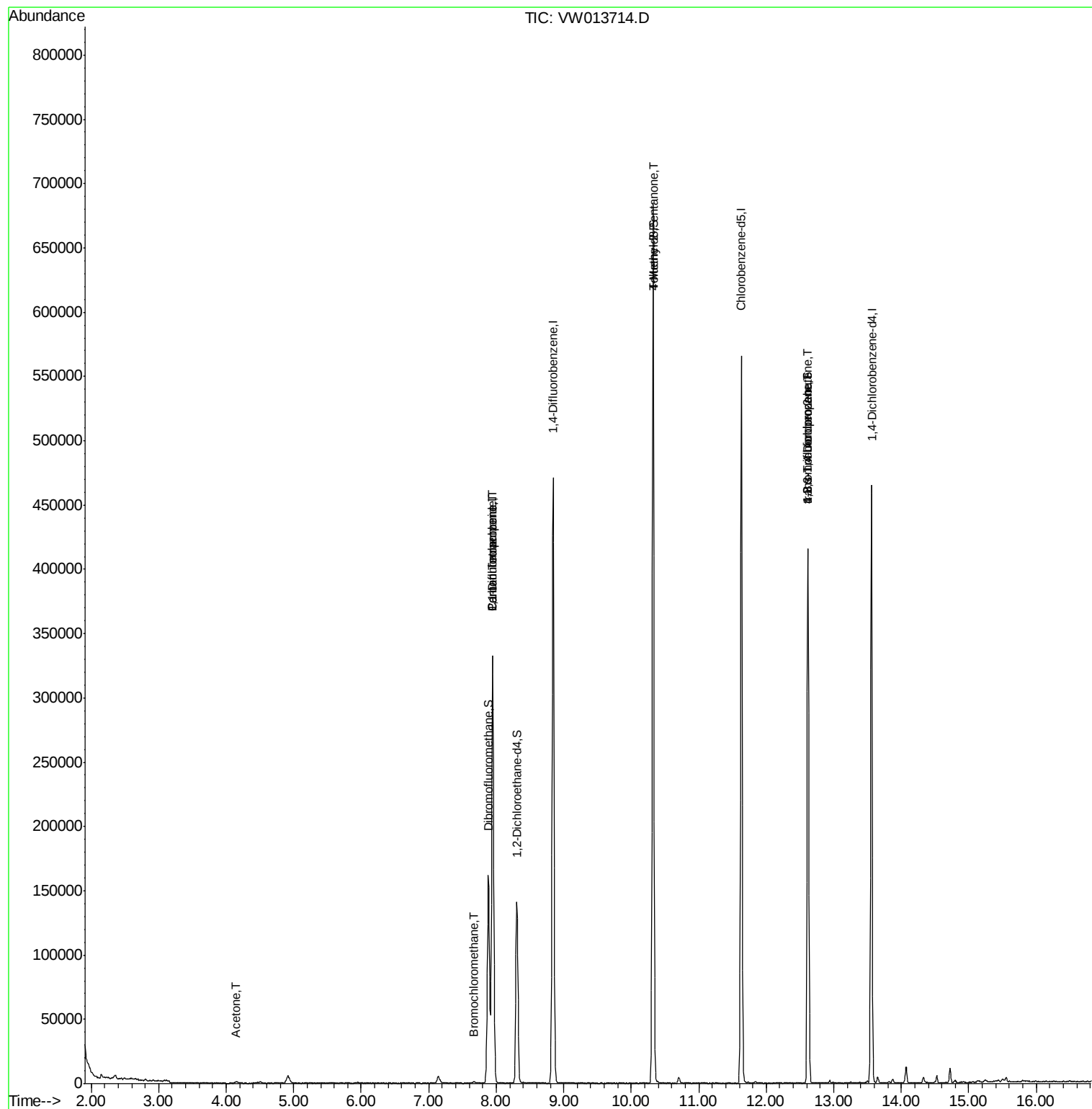
| Internal Standards             | R.T.   | QIon | Response | Conc      | Units   | Dev(Min) |
|--------------------------------|--------|------|----------|-----------|---------|----------|
| 1) Pentafluorobenzene          | 7.95   | 168  | 273493   | 50.00     | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.84   | 114  | 418702   | 50.00     | ug/l    | 0.00     |
| 63) Chlorobenzene-d5           | 11.63  | 117  | 340614   | 50.00     | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 13.56  | 152  | 136419   | 50.00     | ug/l    | 0.00     |
| System Monitoring Compounds    |        |      |          |           |         |          |
| 33) 1,2-Dichloroethane-d4      | 8.31   | 65   | 110203   | 53.71     | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 107.42% |          |
| 35) Dibromofluoromethane       | 7.88   | 113  | 118637   | 50.99     | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 101.98% |          |
| 50) Toluene-d8                 | 10.32  | 98   | 474940   | 50.10     | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 100.20% |          |
| 62) 4-Bromofluorobenzene       | 12.62  | 95   | 136822   | 42.62     | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 85.24%  |          |
| Target Compounds               |        |      |          |           |         |          |
|                                |        |      |          |           | Qvalue  |          |
| 16) Acetone                    | 4.14   | 43   | 1186     | 2.726     | ug/l #  | 84       |
| 20) Methylene Chloride         | 4.92   | 84   | 4702     | Below Cal |         | 92       |
| 28) Bromochloromethane         | 7.68   | 49   | 19       | 1.352     | ug/l #  | 7        |
| 36) 1,1-Dichloropropene        | 7.95   | 75   | 17237    | 4.420     | ug/l #  | 48       |
| 38) Carbon Tetrachloride       | 7.95   | 117  | 23837    | 6.788     | ug/l #  | 16       |
| 51) 4-Methyl-2-Pentanone       | 10.32  | 43   | 1842     | 1.297     | ug/l #  | 1        |
| 76) 1,2,3-Trichloropropane     | 12.62  | 75   | 64311    | 65.645    | ug/l #  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.62  | 75   | 64311    | 124.060   | ug/l #  | 14       |

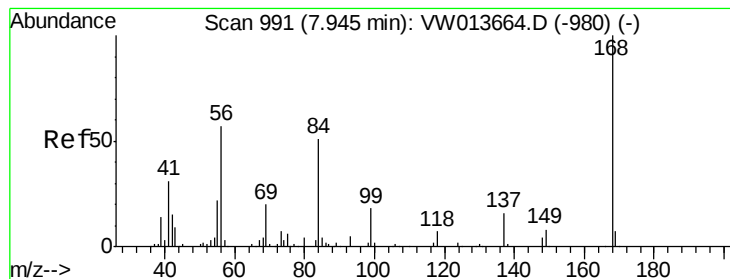
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102419\  
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187-88-(2)

Quant Time: Oct 25 07:59:03 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W102319S.M  
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: VW013714.D

Acq: 24 Oct 2019 16:44

Instrument :

MSVOA\_W

ClientSampled :

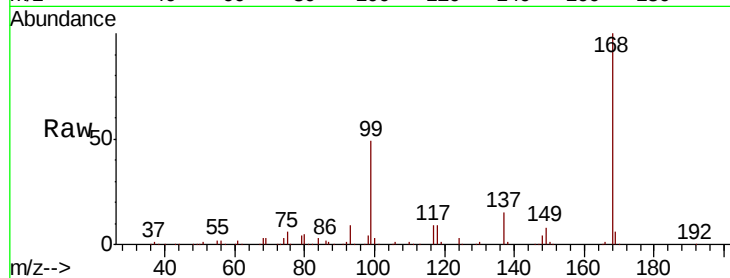
187-88-(2)

Tot Ion:168 Resp: 273493

Ion Ratio Lower Upper

168 100

99 48.9 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

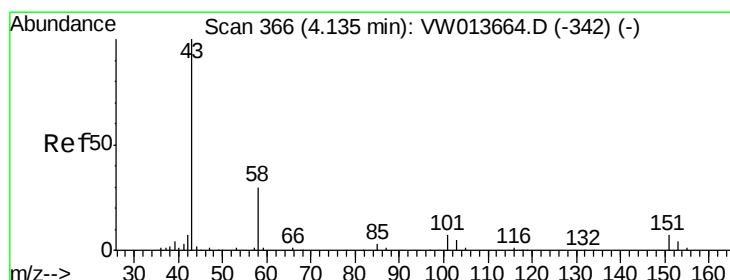
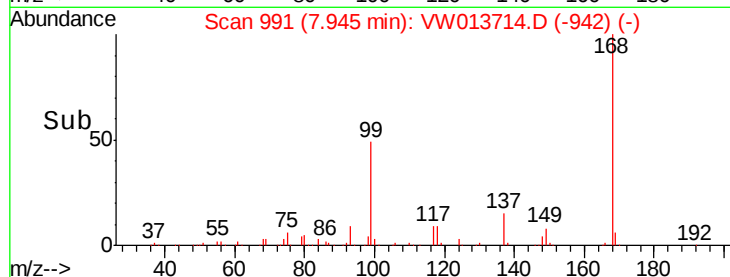
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 2.726 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW013714.D

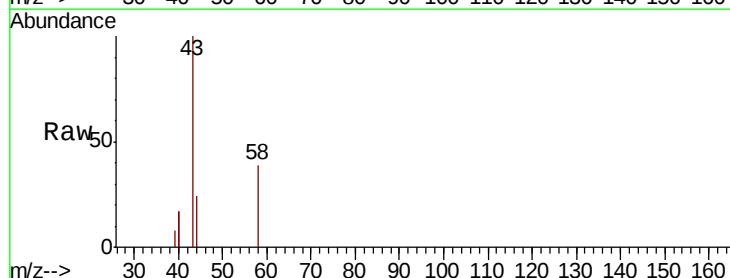
Acq: 24 Oct 2019 16:44

Tgt Ion: 43 Resp: 1186

Ion Ratio Lower Upper

43 100

58 38.7 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

800

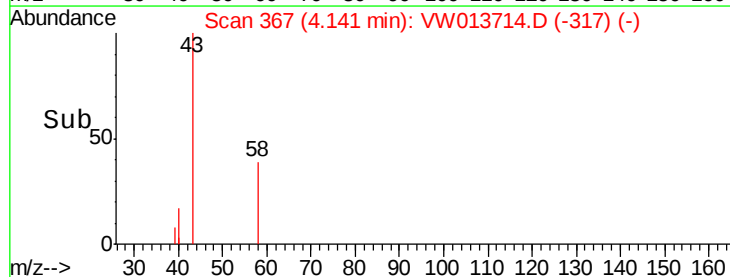
600

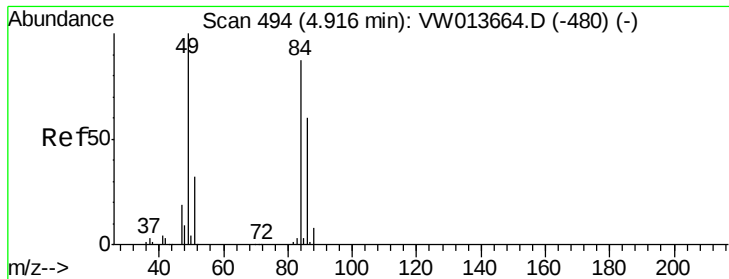
400

200

0

Time--> 4.10 4.15





#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW013714.D

Acq: 24 Oct 2019 16:44

Instrument :  
MSVOA\_W  
ClientSampleId :  
187-88-(2)

Tot Ion: 84 Resp: 4702

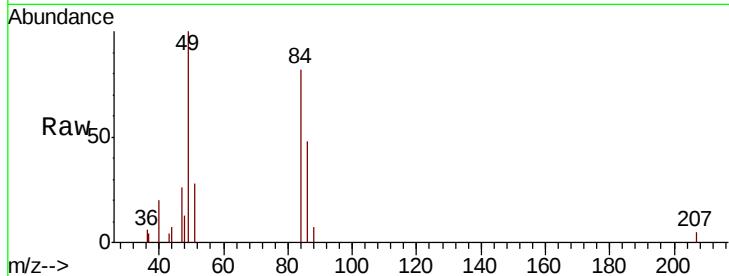
Ion Ratio Lower Upper

84 100

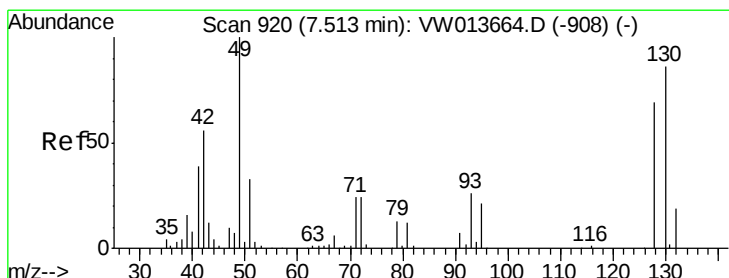
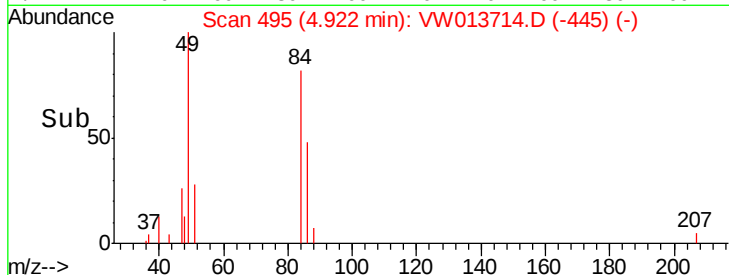
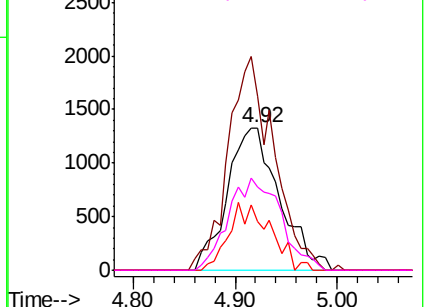
49 122.1 91.8 137.6

51 34.1 29.8 44.6

86 58.5 55.2 82.8



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



#28

Bromochloromethane

Concen: 1.352 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.17 min

Lab File: VW013714.D

Acq: 24 Oct 2019 16:44

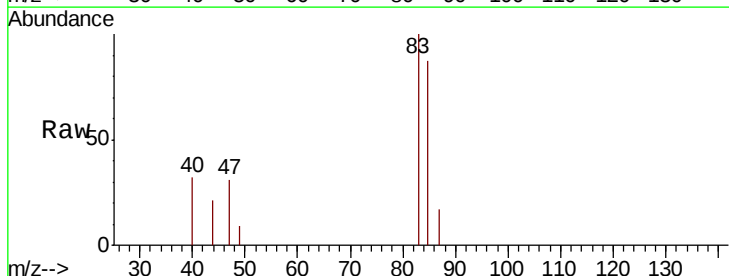
Tgt Ion: 49 Resp: 19

Ion Ratio Lower Upper

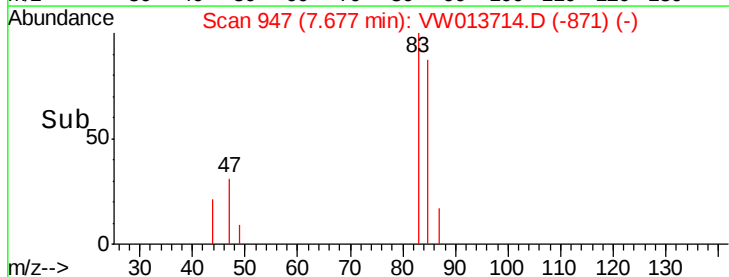
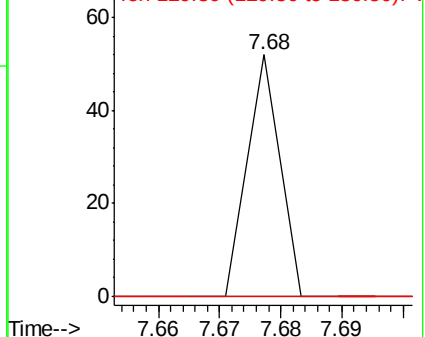
49 100

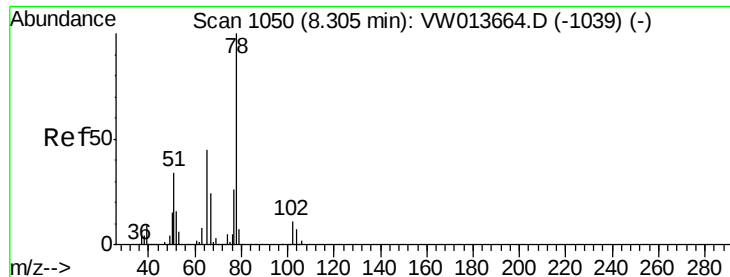
129 0.0 0.0 0.6

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

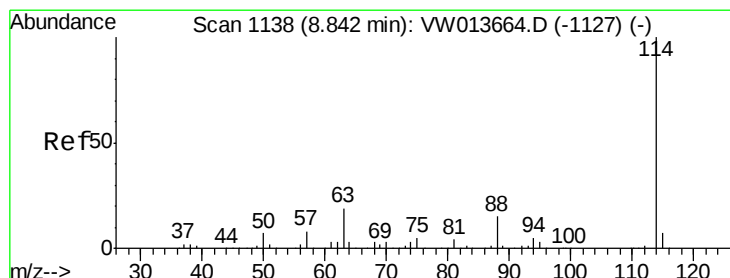
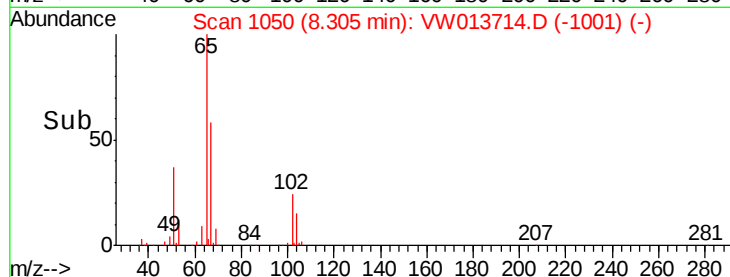
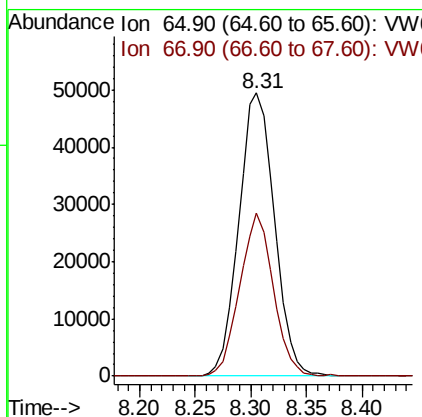
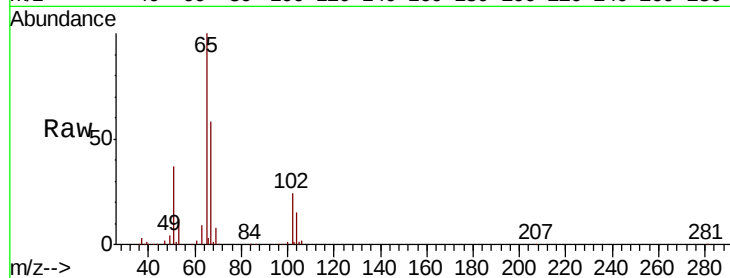




#33  
 1,2-Dichloroethane-d4  
 Concen: 53.714 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. -0.00 min  
 Lab File: VW013714.D  
 Acq: 24 Oct 2019 16:44

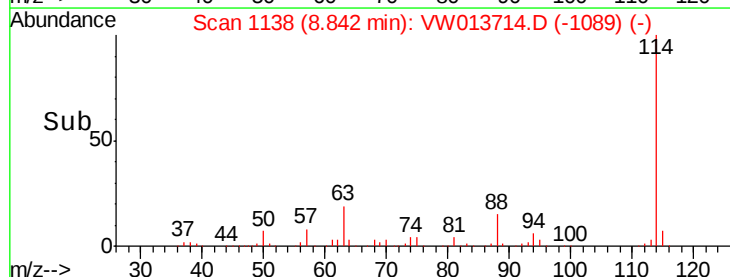
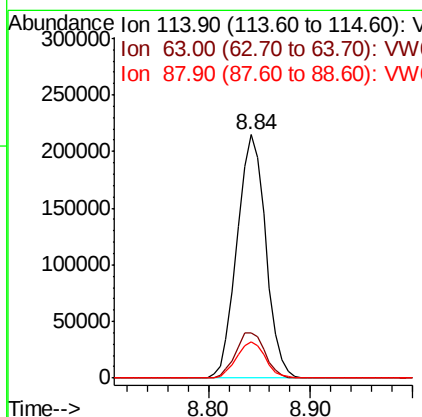
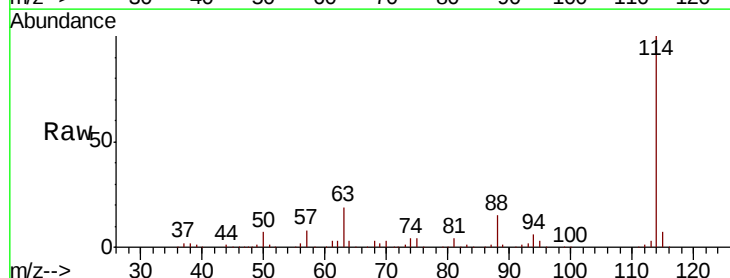
Instrument :  
 MSVOA\_W  
 ClientSampled :  
 187-88-(2)

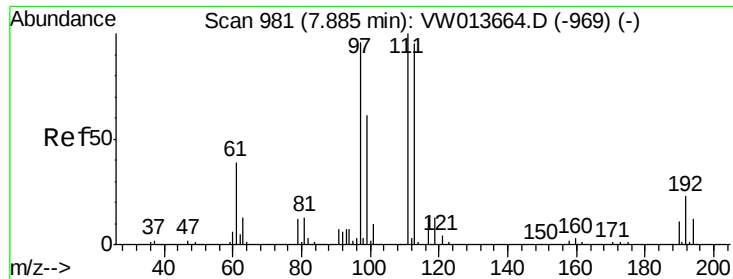
Tot Ion: 65 Resp: 110203  
 Ion Ratio Lower Upper  
 65 100  
 67 54.4 0.0 109.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW013714.D  
 Acq: 24 Oct 2019 16:44

Tgt Ion: 114 Resp: 418702  
 Ion Ratio Lower Upper  
 114 100  
 63 18.8 0.0 37.6  
 88 15.0 0.0 30.2

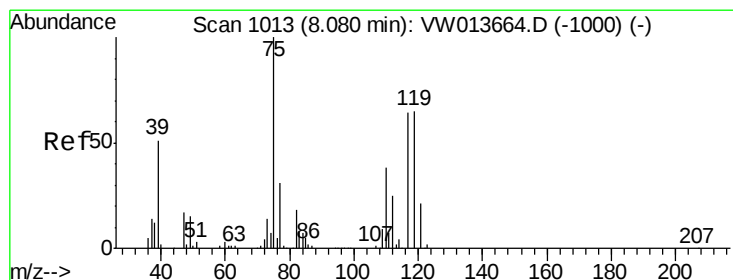
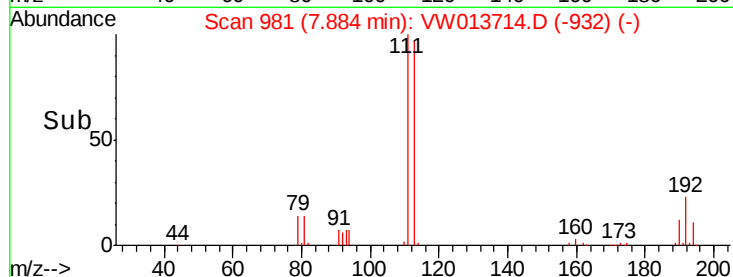
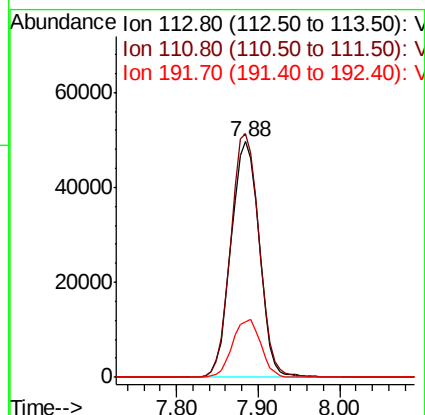
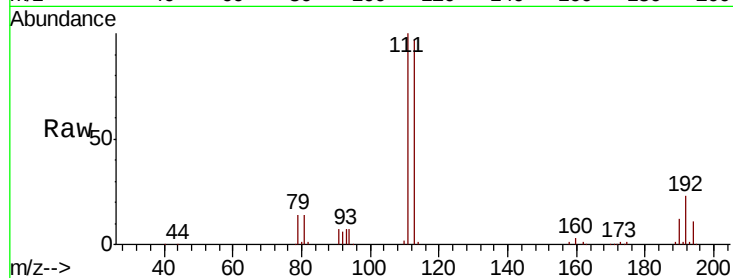




#35  
 Dibromofluoromethane  
 Concen: 50.993 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. -0.00 min  
 Lab File: VW013714.D  
 Acq: 24 Oct 2019 16:44

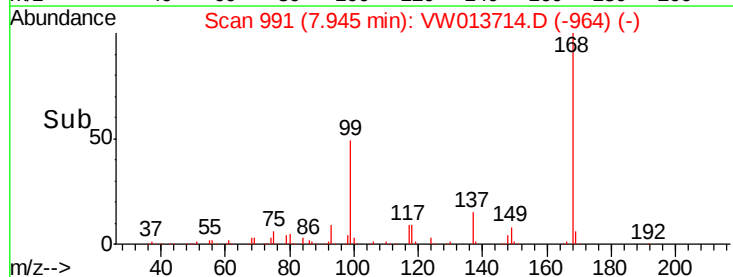
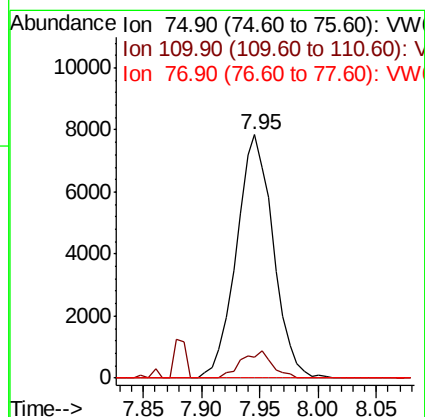
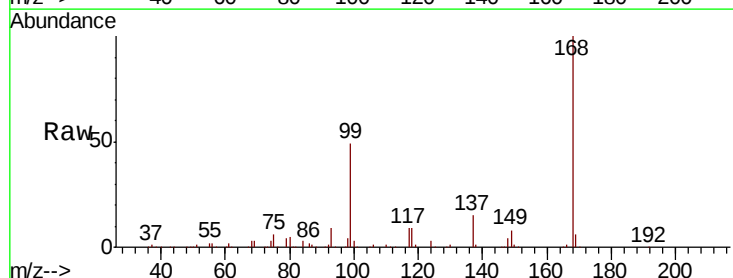
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 187-88-(2)

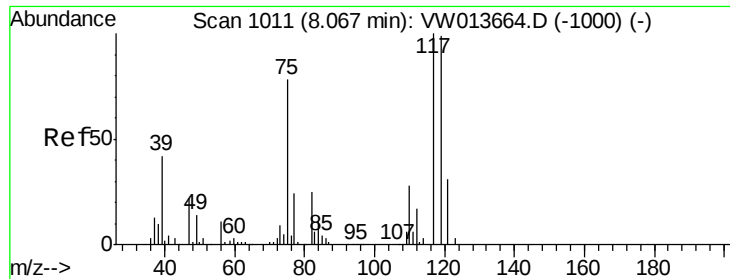
Tot Ion:113 Resp: 118637  
 Ion Ratio Lower Upper  
 113 100  
 111 103.8 83.0 124.6  
 192 24.6 19.4 29.2



#36  
 1,1-Dichloropropene  
 Concen: 4.420 ug/l  
 RT: 7.95 min Scan# 991  
 Delta R.T. -0.13 min  
 Lab File: VW013714.D  
 Acq: 24 Oct 2019 16:44

Tgt Ion: 75 Resp: 17237  
 Ion Ratio Lower Upper  
 75 100  
 110 9.4 18.7 56.1#  
 77 0.0 25.4 38.0#





#38

Carbon Tetrachloride

Concen: 6.788 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013714.D

Acq: 24 Oct 2019 16:44

Instrument :

MSVOA\_W

ClientSampleId :

187-88-(2)

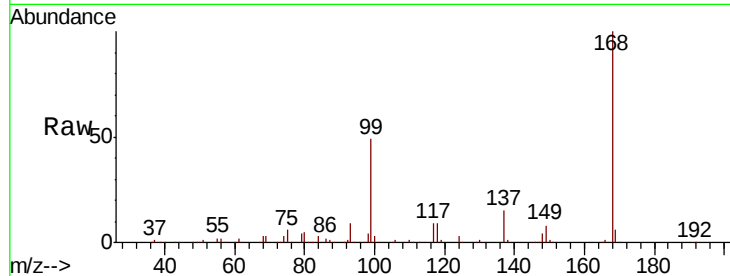
Tot Ion:117 Resp: 23837

Ion Ratio Lower Upper

117 100

119 6.4 79.0 118.4#

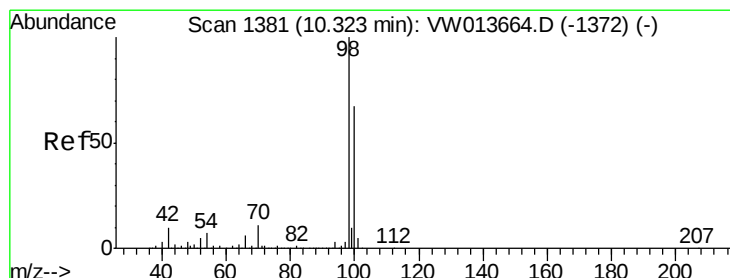
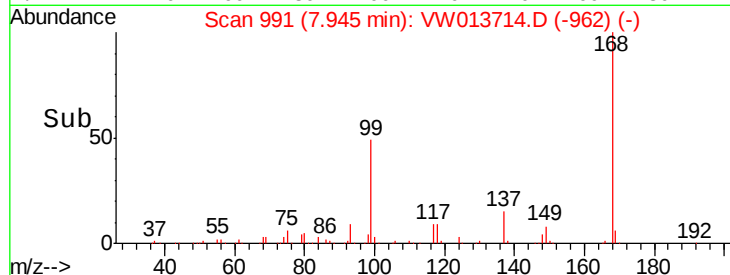
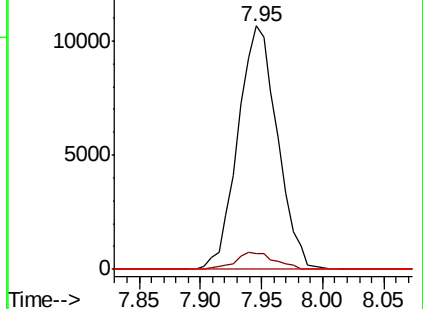
121 0.0 24.5 36.7#



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: 50.099 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013714.D

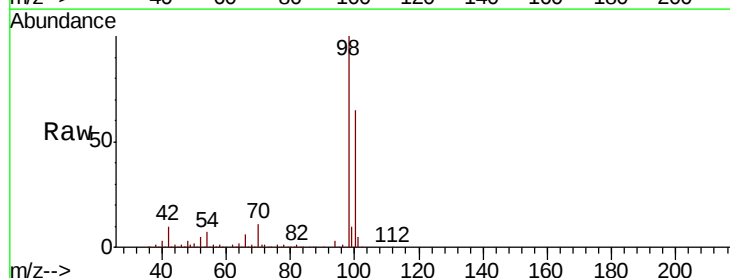
Acq: 24 Oct 2019 16:44

Tgt Ion: 98 Resp: 474940

Ion Ratio Lower Upper

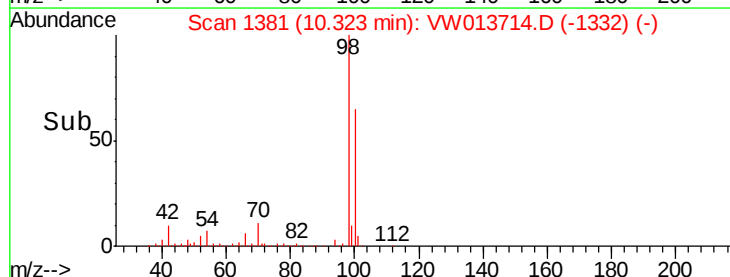
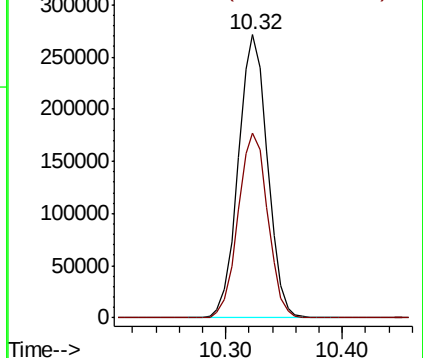
98 100

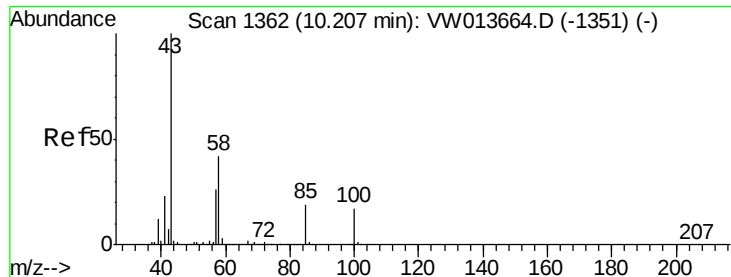
100 66.4 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 1.297 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. 0.11 min

Lab File: VW013714.D

Acq: 24 Oct 2019 16:44

Instrument :

MSVOA\_W

ClientSampleId :

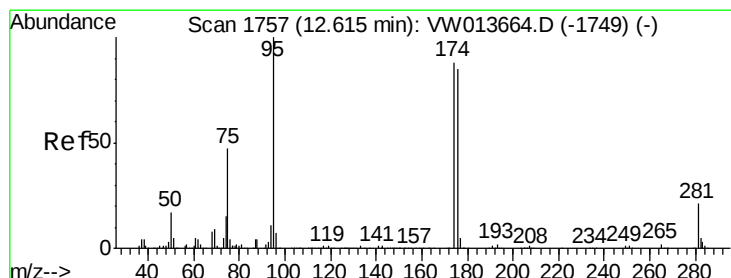
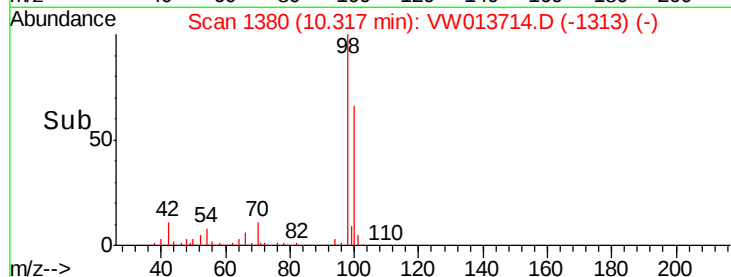
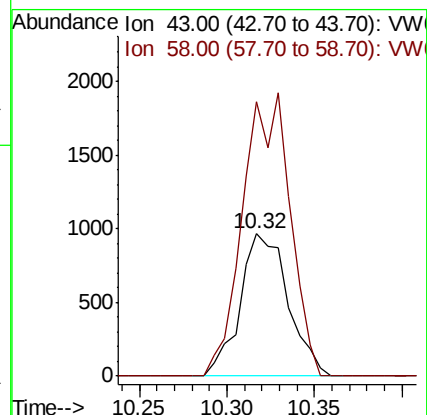
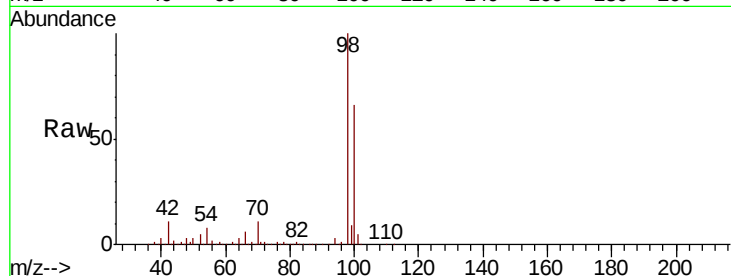
187-88-(2)

Tot Ion: 43 Resp: 1842

Ion Ratio Lower Upper

43 100

58 195.5 32.6 49.0#



#62

4-Bromofluorobenzene

Concen: 42.624 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013714.D

Acq: 24 Oct 2019 16:44

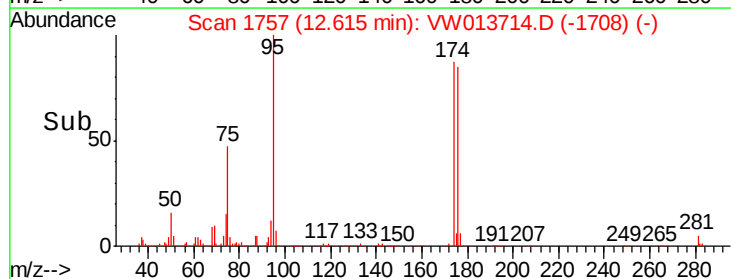
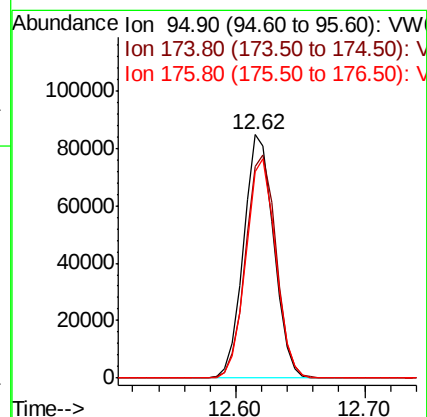
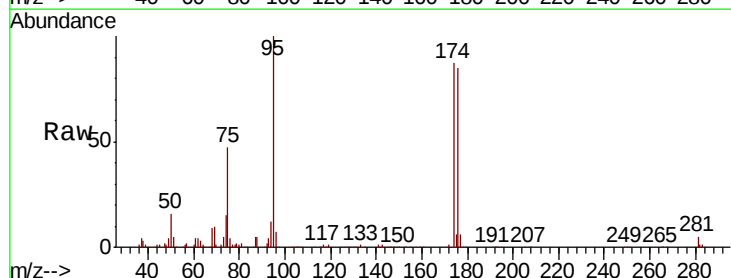
Tgt Ion: 95 Resp: 136822

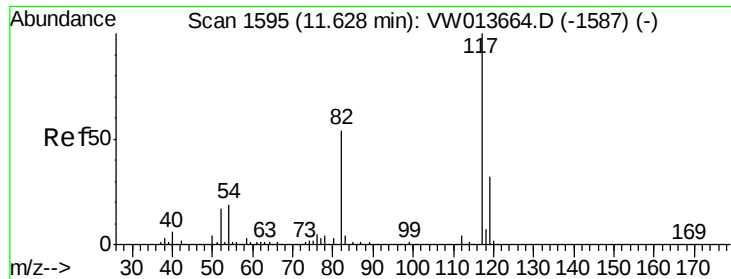
Ion Ratio Lower Upper

95 100

174 92.8 0.0 183.6

176 89.2 0.0 178.0

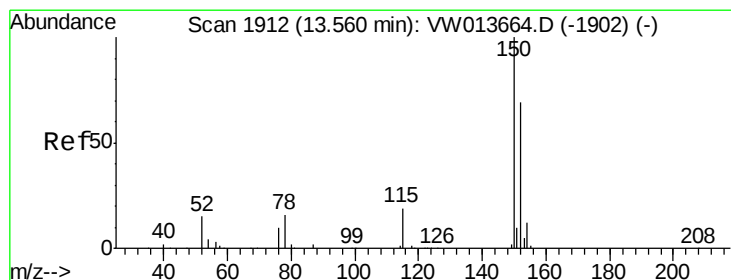
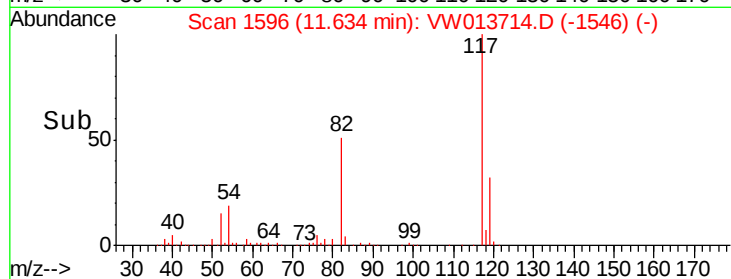
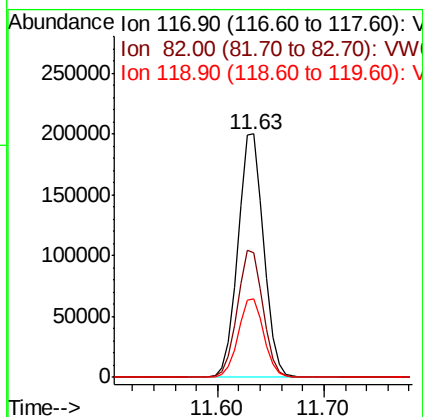
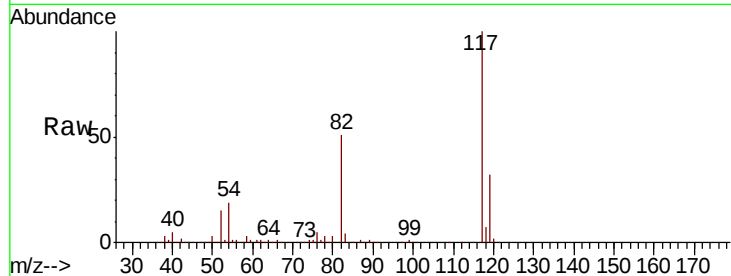




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.01 min  
Lab File: VW013714.D  
Acq: 24 Oct 2019 16:44

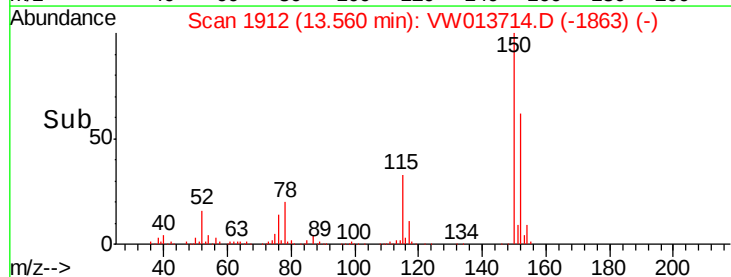
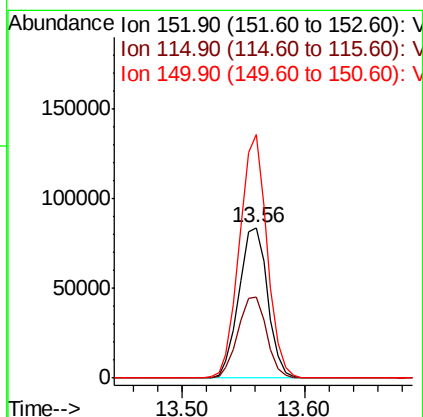
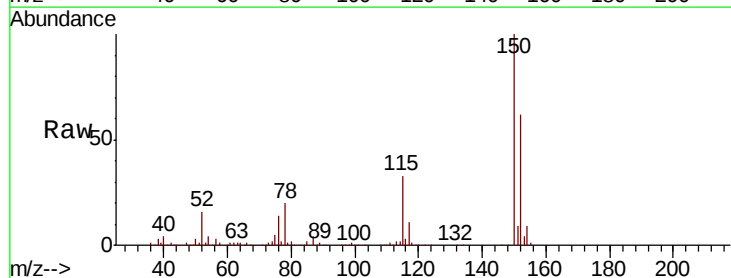
Instrument :  
MSVOA\_W  
ClientSampleId :  
187-88-(2)

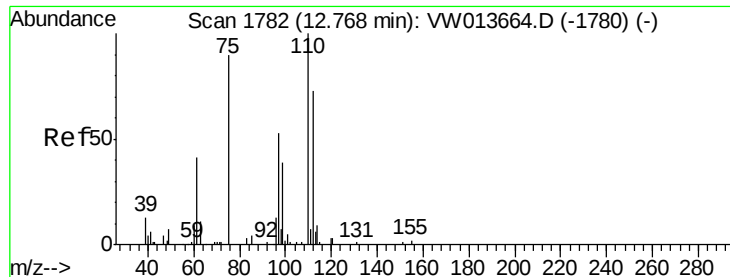
Tot Ion:117 Resp: 340614  
Ion Ratio Lower Upper  
117 100  
82 51.0 43.6 65.4  
119 32.4 25.4 38.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. -0.00 min  
Lab File: VW013714.D  
Acq: 24 Oct 2019 16:44

Tgt Ion:152 Resp: 136419  
Ion Ratio Lower Upper  
152 100  
115 53.8 27.4 82.2  
150 154.8 0.0 345.4

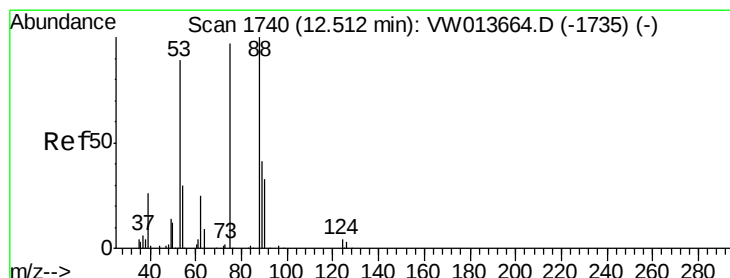
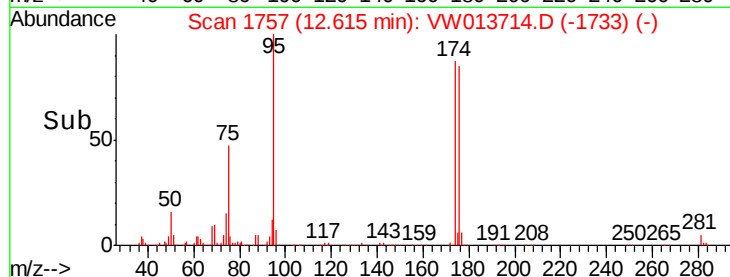
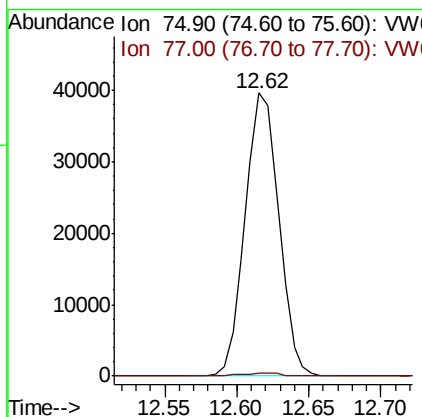
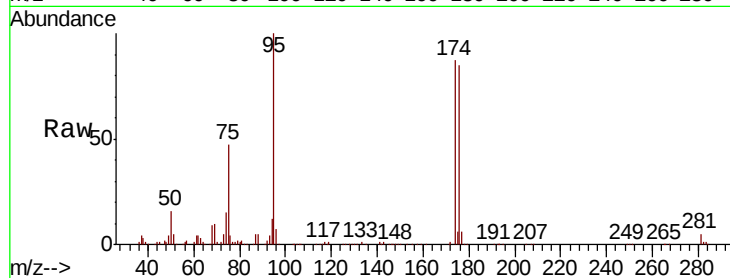




#76  
 1,2,3-Trichloropropane  
 Concen: 65.645 ug/l  
 RT: 12.62 min Scan# 1757  
 Delta R.T. -0.15 min  
 Lab File: VW013714.D  
 Acq: 24 Oct 2019 16:44

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 187-88-(2)

Tot Ion: 75 Resp: 64311  
 Ion Ratio Lower Upper  
 75 100  
 77 1.3 0.0 0.0#



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 124.060 ug/l  
 RT: 12.62 min Scan# 1757  
 Delta R.T. 0.10 min  
 Lab File: VW013714.D  
 Acq: 24 Oct 2019 16:44

Tgt Ion: 75 Resp: 64311  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 71.7 107.5#  
 89 0.0 35.8 53.8#

