

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102718\  
 Data File : VW006389.D  
 Acq On : 26 Oct 2018 05:10  
 Operator : SY/AP  
 Sample : J5610-10RE  
 Misc : 5.5G/5ML/MSVOA W/SOIL  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-6(0-2)RE

Quant Time: Oct 26 07:25:05 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W101518S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 18 17:01:24 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 139004   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 218527   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 200209   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 88942    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.30  | 65   | 88333    | 76.65 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 153.30% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 76074    | 58.91 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 117.82% |          |
| 50) Toluene-d8              | 10.33 | 98   | 248543   | 50.59 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.18% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 81092    | 43.95 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 87.90%  |          |

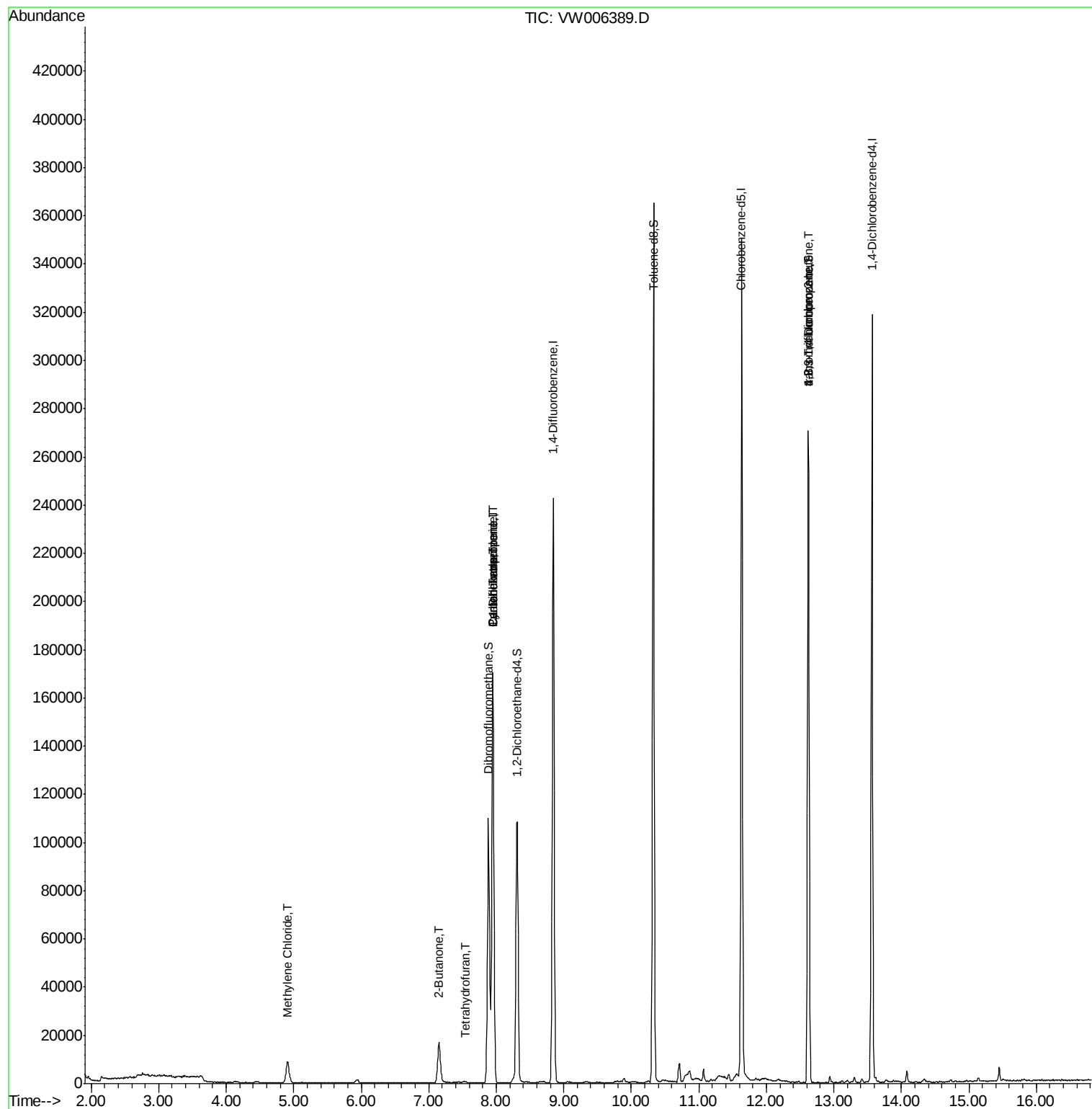
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 16) Acetone                    | 4.14  | 43   | 832      | Below Cal |        | 97     |
| 20) Methylene Chloride         | 4.91  | 84   | 7137     | 4.367     | ug/l   | 92     |
| 25) 2-Butanone                 | 7.14  | 43   | 991      | 3.183     | ug/l # | 46     |
| 29) Tetrahydrofuran            | 7.54  | 42   | 383      | 2.001     | ug/l # | 49     |
| 31) Cyclohexane                | 7.95  | 56   | 2469     | 1.171     | ug/l # | 7      |
| 36) 1,1-Dichloropropene        | 7.95  | 75   | 9134     | 4.535     | ug/l # | 48     |
| 38) Carbon Tetrachloride       | 7.95  | 117  | 12249    | 5.547     | ug/l # | 17     |
| 76) 1,2,3-Trichloropropane     | 12.62 | 75   | 40952    | 60.282    | ug/l # | 100    |
| 81) trans-1,4-Dichloro-2-buten | 12.62 | 75   | 40952    | 144.098   | ug/l # | 10     |

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W101518S.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 18 17:01:24 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006389.D

Acq: 26 Oct 2018 05:10

Instrument :

MSVOA\_W

ClientSampleId :

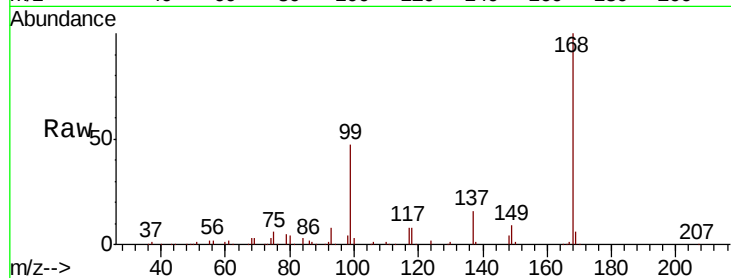
SB-6(0-2)RE

Tot Ion:168 Resp: 139004

Ion Ratio Lower Upper

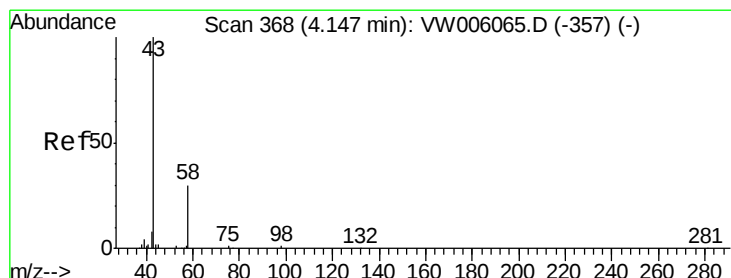
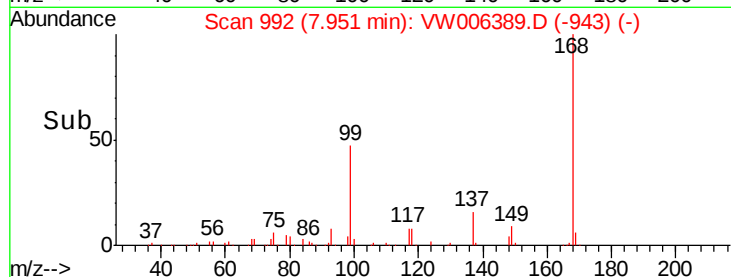
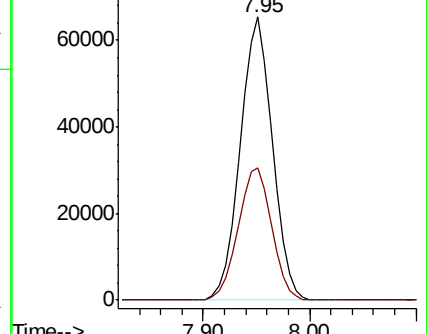
168 100

99 46.7 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: Below Cal

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW006389.D

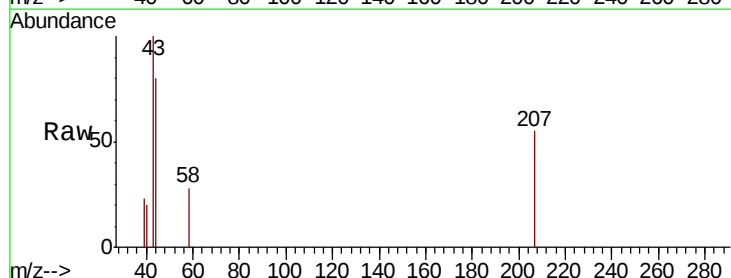
Acq: 26 Oct 2018 05:10

Tgt Ion: 43 Resp: 832

Ion Ratio Lower Upper

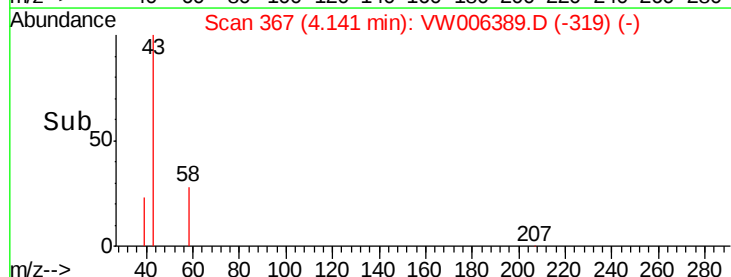
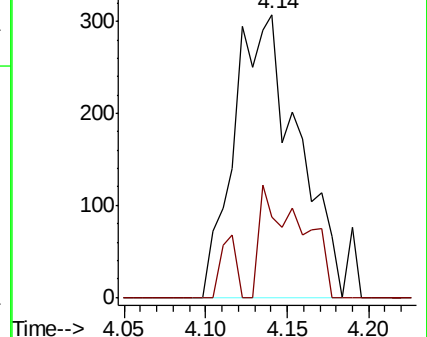
43 100

58 28.2 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

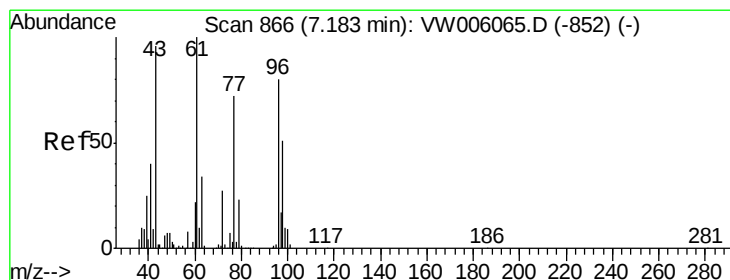
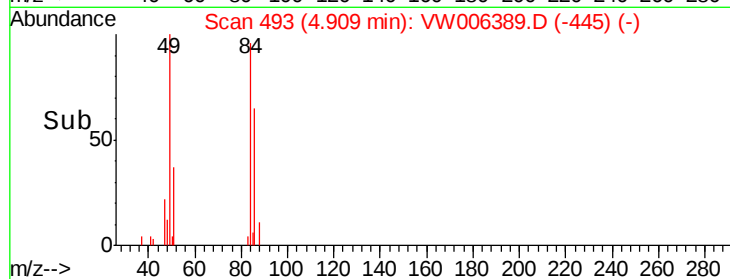
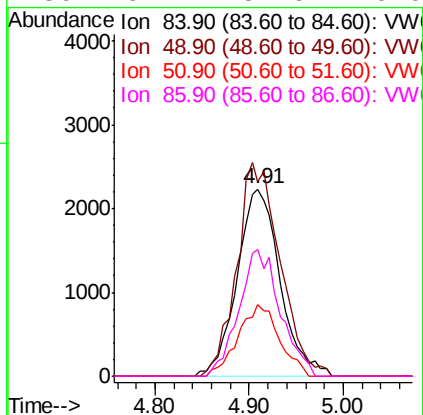
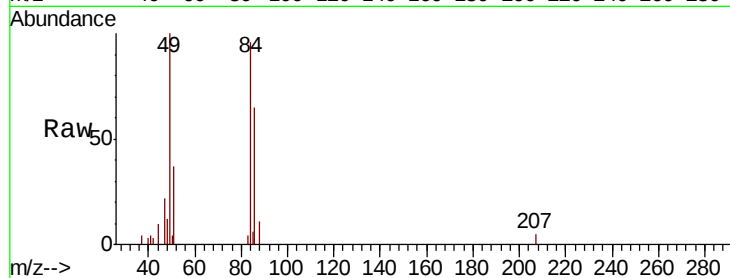




#20  
Methvlene Chloride  
Concen: 4.367 ug/l  
RT: 4.91 min Scan# 493  
Delta R.T. -0.01 min  
Lab File: VW006389.D  
Acq: 26 Oct 2018 05:10

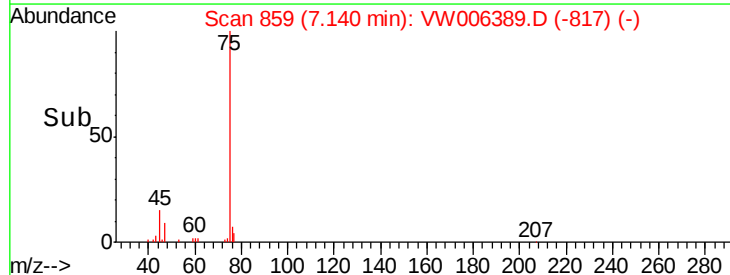
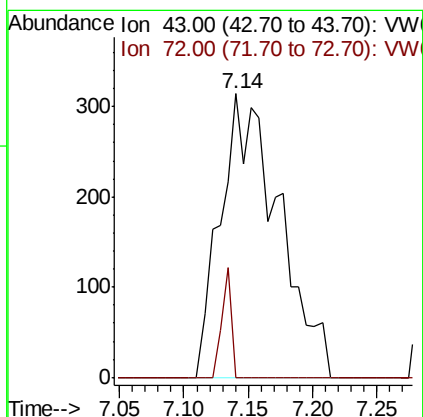
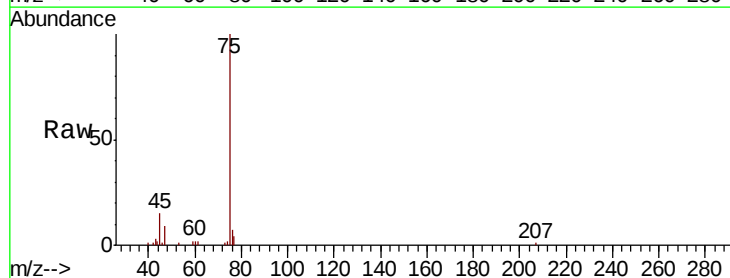
Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-6(0-2)RE

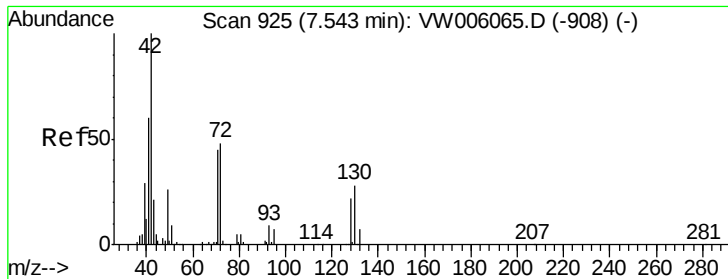
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 7137  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 104.2 | 93.6  | 140.4 |
| 51       | 38.1  | 29.0  | 43.4  |
| 86       | 67.7  | 52.6  | 79.0  |



#25  
2-Butanone  
Concen: 3.183 ug/l  
RT: 7.14 min Scan# 859  
Delta R.T. -0.04 min  
Lab File: VW006389.D  
Acq: 26 Oct 2018 05:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 991   |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 0.0   | 22.8  | 34.2# |





#29

Tetrahydrofuran

Concen: 2.001 ug/l

RT: 7.54 min Scan# 925

Delta R.T. -0.00 min

Lab File: VW006389.D

Acq: 26 Oct 2018 05:10

Instrument :

MSVOA\_W

ClientSampleID :

SB-6(0-2)RE

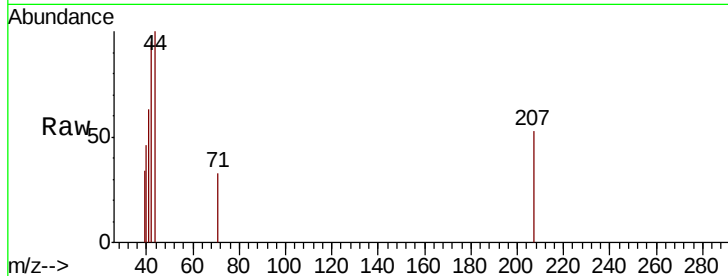
Tot Ion: 42 Resp: 383

Ion Ratio Lower Upper

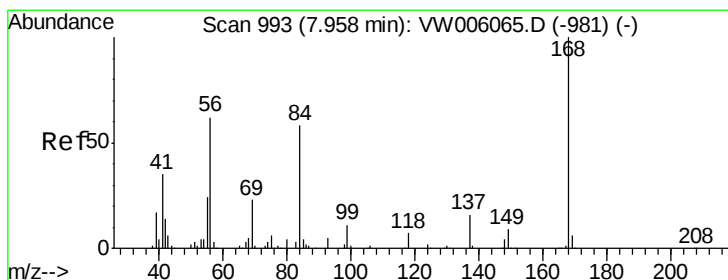
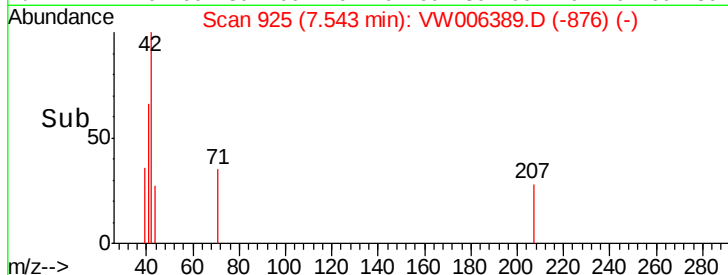
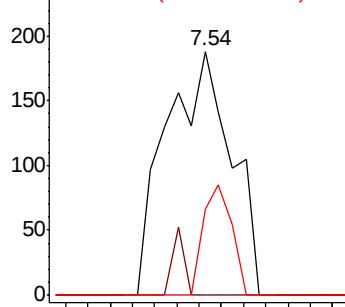
42 100

72 5.0 38.0 57.0#

71 19.6 35.3 52.9#



Abundance Ion 42.00 (41.70 to 42.70): VW  
Ion 72.00 (71.70 to 72.70): VW  
Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.171 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW006389.D

Acq: 26 Oct 2018 05:10

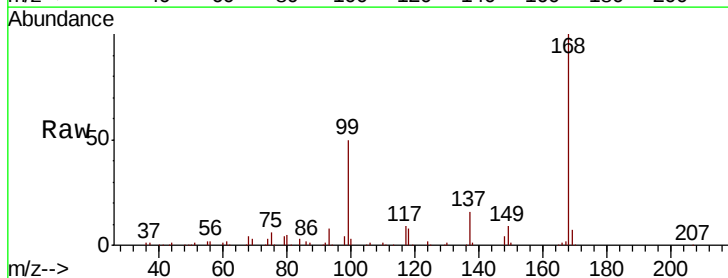
Tgt Ion: 56 Resp: 2469

Ion Ratio Lower Upper

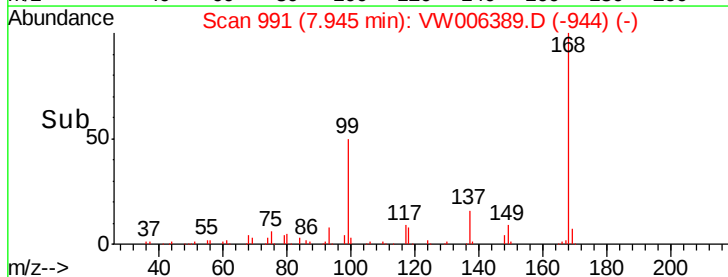
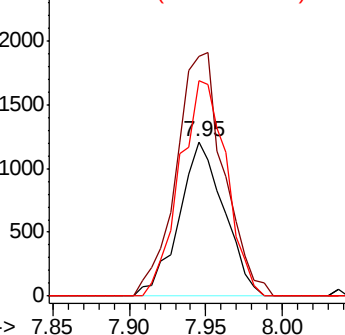
56 100

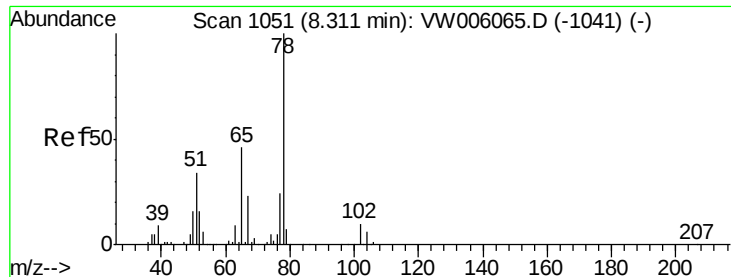
69 155.7 29.4 44.0#

84 140.1 74.0 111.0#



Abundance Ion 56.00 (55.70 to 56.70): VW  
Ion 69.00 (68.70 to 69.70): VW  
Ion 84.00 (83.70 to 84.70): VW





#33

1,2-Dichloroethane-d4

Concen: 76.650 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW006389.D

Acq: 26 Oct 2018 05:10

Instrument :

MSVOA\_W

ClientSampleId :

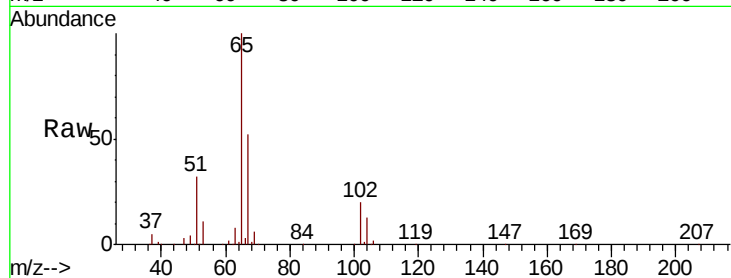
SB-6(0-2)RE

Tot Ion: 65 Resp: 88333

Ion Ratio Lower Upper

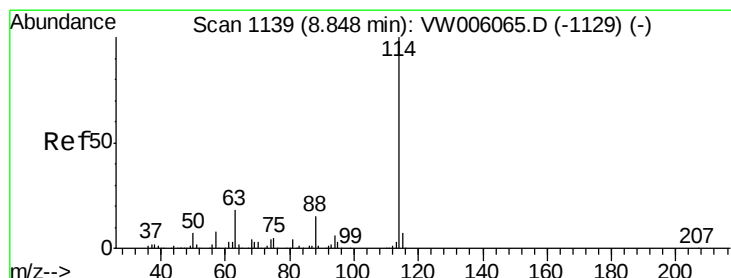
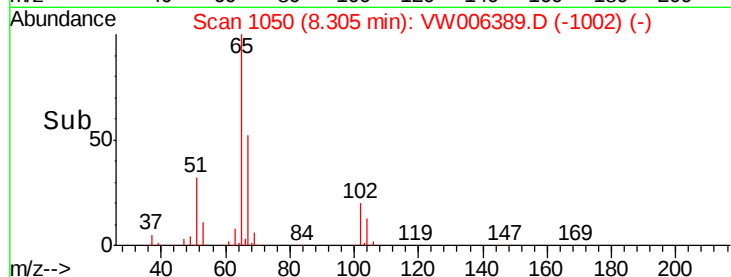
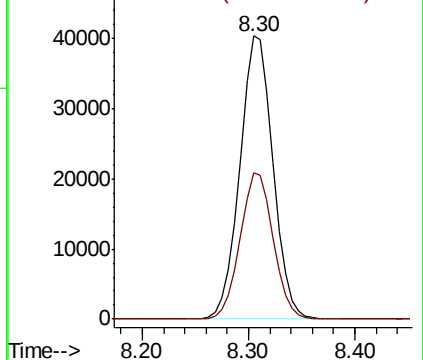
65 100

67 51.5 0.0 101.0



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. -0.01 min

Lab File: VW006389.D

Acq: 26 Oct 2018 05:10

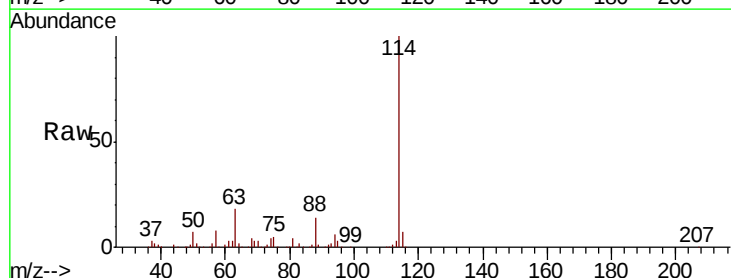
Tgt Ion: 114 Resp: 218527

Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.8

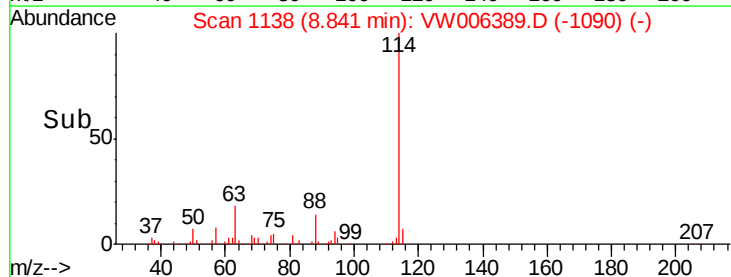
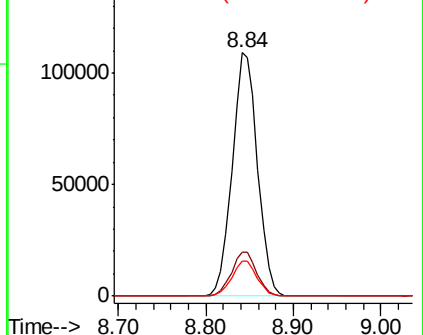
88 14.5 0.0 29.0



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: 58.914 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006389.D

Acq: 26 Oct 2018 05:10

Instrument :

MSVOA\_W

ClientSampleId :

SB-6(0-2)RE

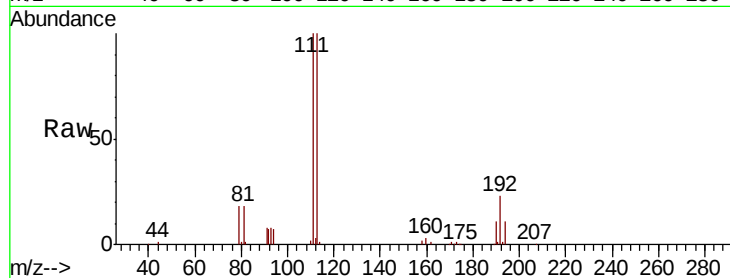
Tot Ion:113 Resp: 76074

Ion Ratio Lower Upper

113 100

111 102.7 81.4 122.0

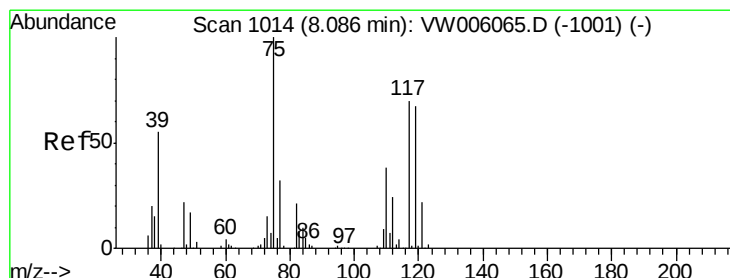
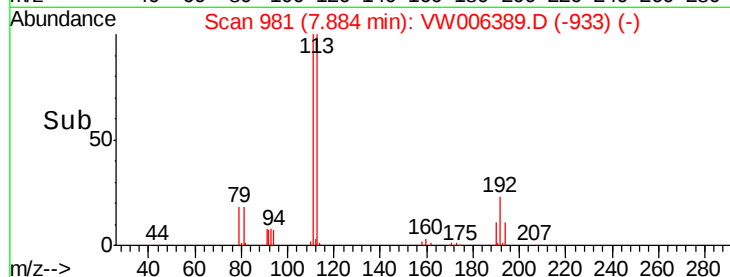
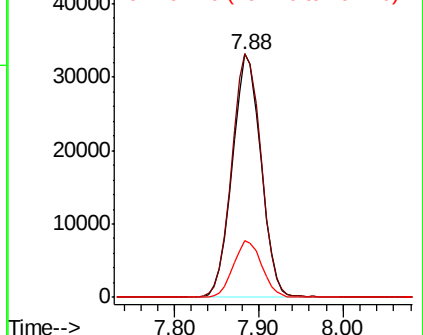
192 23.1 18.7 28.1



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: 4.535 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW006389.D

Acq: 26 Oct 2018 05:10

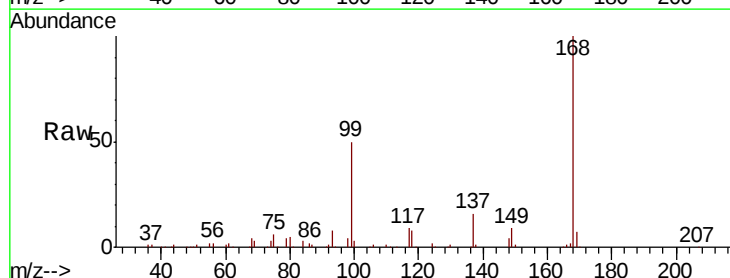
Tgt Ion: 75 Resp: 9134

Ion Ratio Lower Upper

75 100

110 8.6 19.1 57.1#

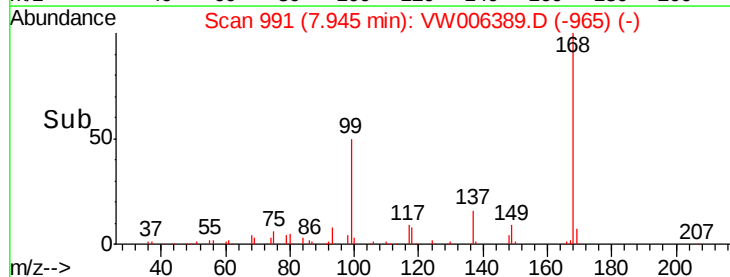
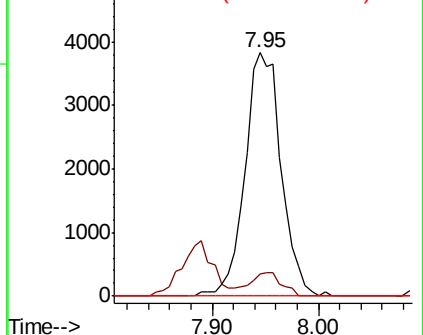
77 0.0 25.0 37.4#

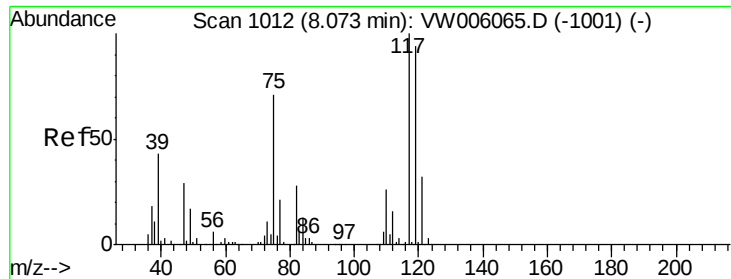


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

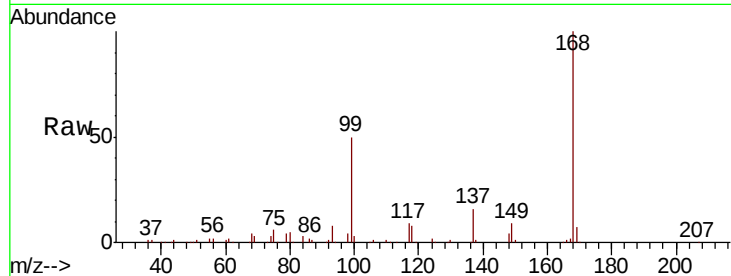




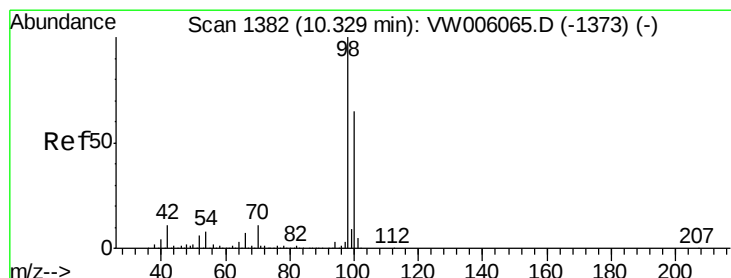
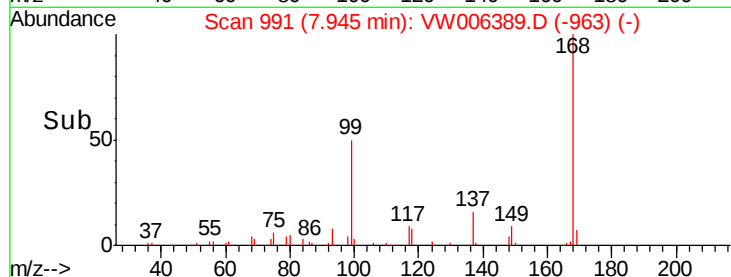
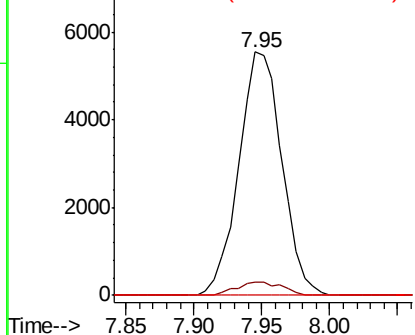
#38  
Carbon Tetrachloride  
Concen: 5.547 ug/l  
RT: 7.95 min Scan# 991  
Delta R.T. -0.13 min  
Lab File: VW006389.D  
Acq: 26 Oct 2018 05:10

Instrument :  
MSVOA\_W  
ClientSampled :  
SB-6(0-2)RE

Tot Ion:117 Resp: 12249  
Ion Ratio Lower Upper  
117 100  
119 5.3 75.2 112.8#  
121 0.0 25.3 37.9#

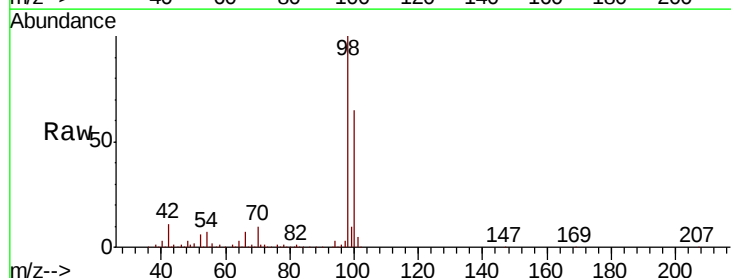


Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

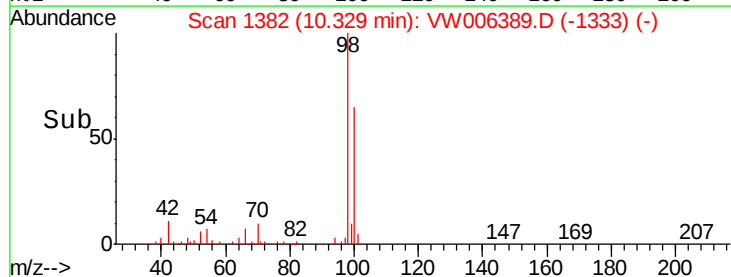
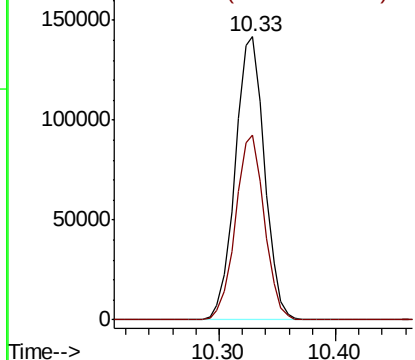


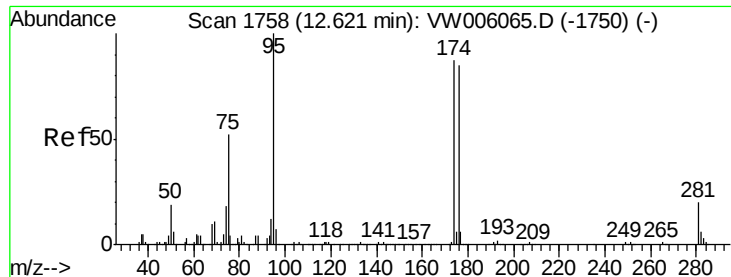
#50  
Toluene-d8  
Concen: 50.593 ug/l  
RT: 10.33 min Scan# 1382  
Delta R.T. -0.00 min  
Lab File: VW006389.D  
Acq: 26 Oct 2018 05:10

Tgt Ion: 98 Resp: 248543  
Ion Ratio Lower Upper  
98 100  
100 64.4 51.6 77.4



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

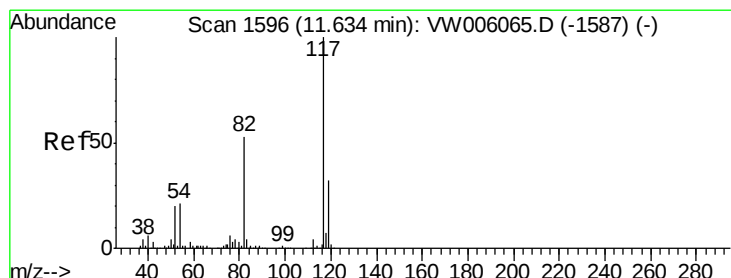
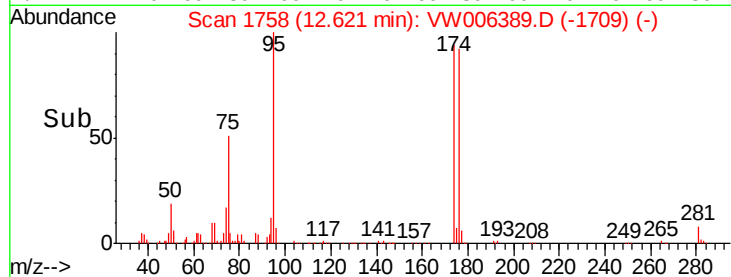
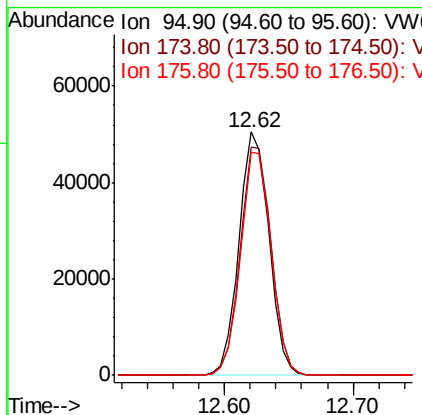
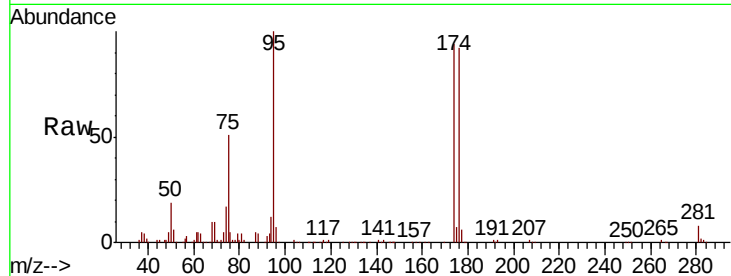




#62  
4-Bromofluorobenzene  
Concen: 43.949 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. -0.00 min  
Lab File: VW006389.D  
Acq: 26 Oct 2018 05:10

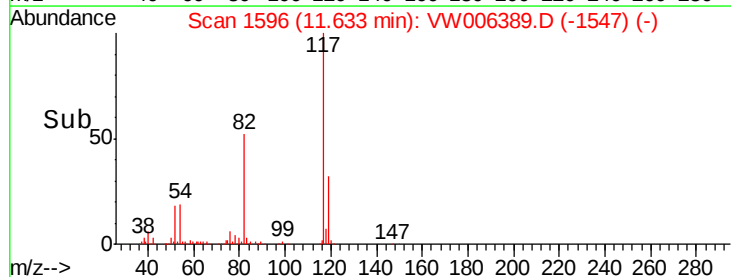
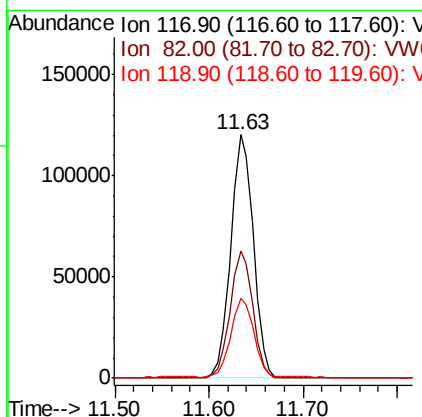
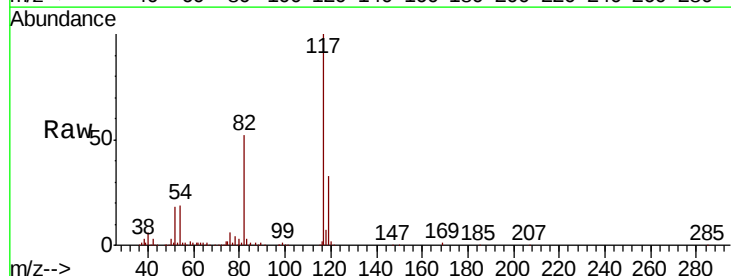
Instrument :  
MSVOA\_W  
ClientSampled :  
SB-6(0-2)RE

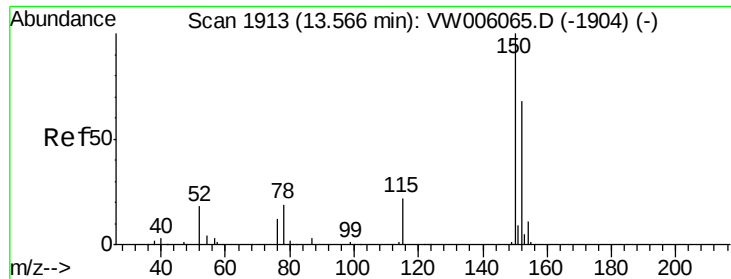
Tot Ion: 95 Resp: 81092  
Ion Ratio Lower Upper  
95 100  
174 96.6 0.0 186.0  
176 93.8 0.0 181.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW006389.D  
Acq: 26 Oct 2018 05:10

Tgt Ion: 117 Resp: 200209  
Ion Ratio Lower Upper  
117 100  
82 52.0 42.1 63.1  
119 32.3 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW006389.D

Acq: 26 Oct 2018 05:10

Instrument :

MSVOA\_W

ClientSampleId :

SB-6(0-2)RE

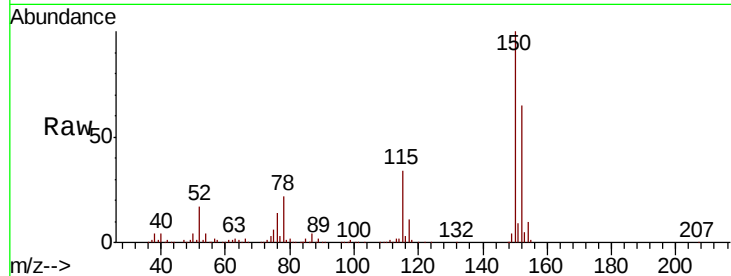
Tot Ion:152 Resp: 88942

Ion Ratio Lower Upper

152 100

115 54.1 27.8 83.3

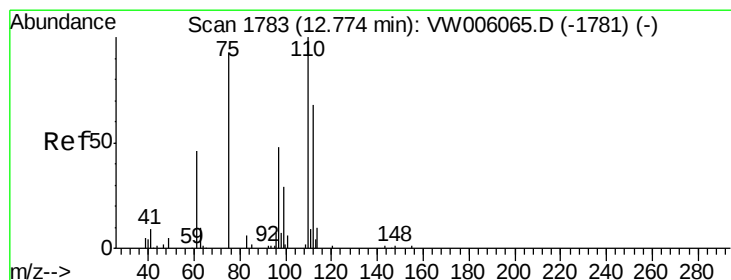
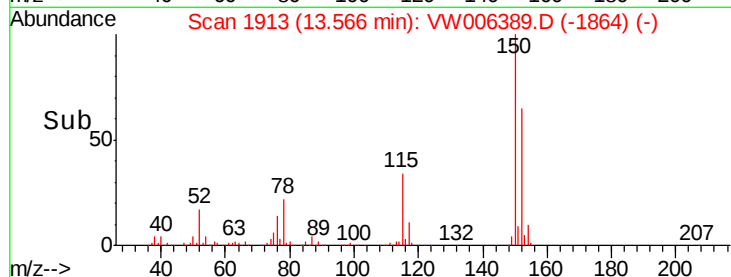
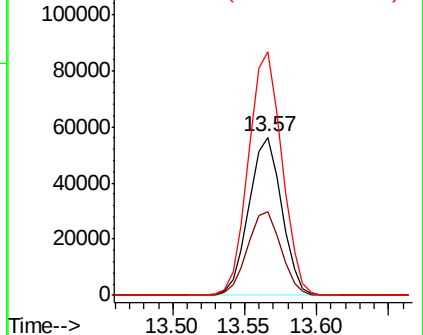
150 156.2 0.0 349.2



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: 60.282 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006389.D

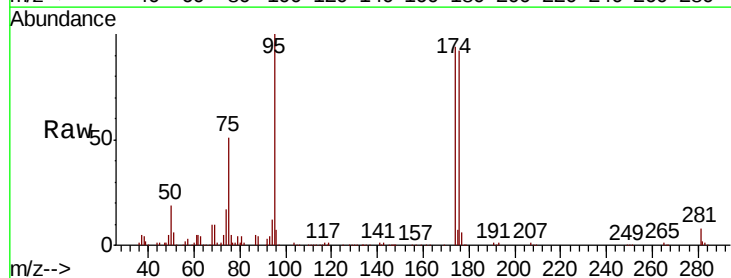
Acq: 26 Oct 2018 05:10

Tgt Ion: 75 Resp: 40952

Ion Ratio Lower Upper

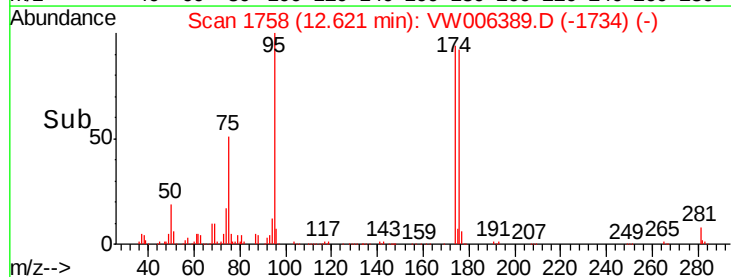
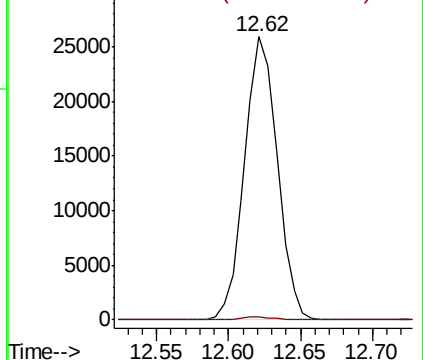
75 100

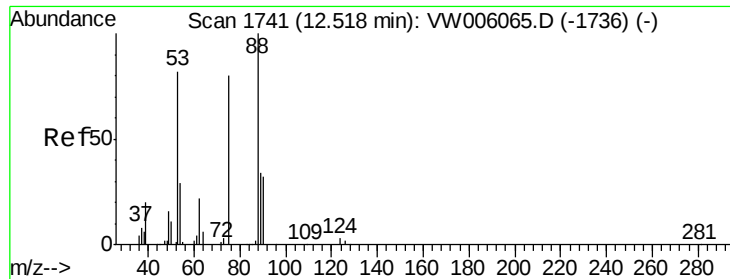
77 1.2 0.0 0.0#



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: 144.098 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006389.D

Acq: 26 Oct 2018 05:10

Instrument :

MSVOA\_W

ClientSampleId :

SB-6(0-2)RE

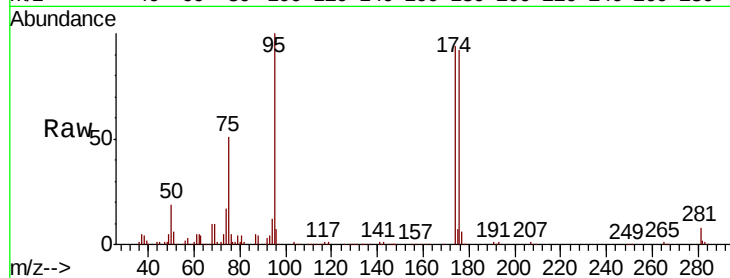
Tot Ion: 75 Resp: 40952

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.1 37.5 56.3#



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

