

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW122118\  
 Data File : VW007711.D  
 Acq On : 19 Dec 2018 20:28  
 Operator : SY/AP  
 Sample : J6392-02  
 Misc : 6.25G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 KY001SB102-121118-(7-9)-FD

Quant Time: Dec 20 06:50:57 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W122118S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 20 06:30:23 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 78574    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 129369   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 119189   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 60252    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 8.31   | 65  | 40123    | 46.59 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 93.18% |      |
| 35) Dibromofluoromethane    | 7.88   | 113 | 35642    | 45.16 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 90.32% |      |
| 50) Toluene-d8              | 10.32  | 98  | 124087   | 41.71 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 83.42% |      |
| 62) 4-Bromofluorobenzene    | 12.62  | 95  | 49590    | 43.14 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 86.28% |      |

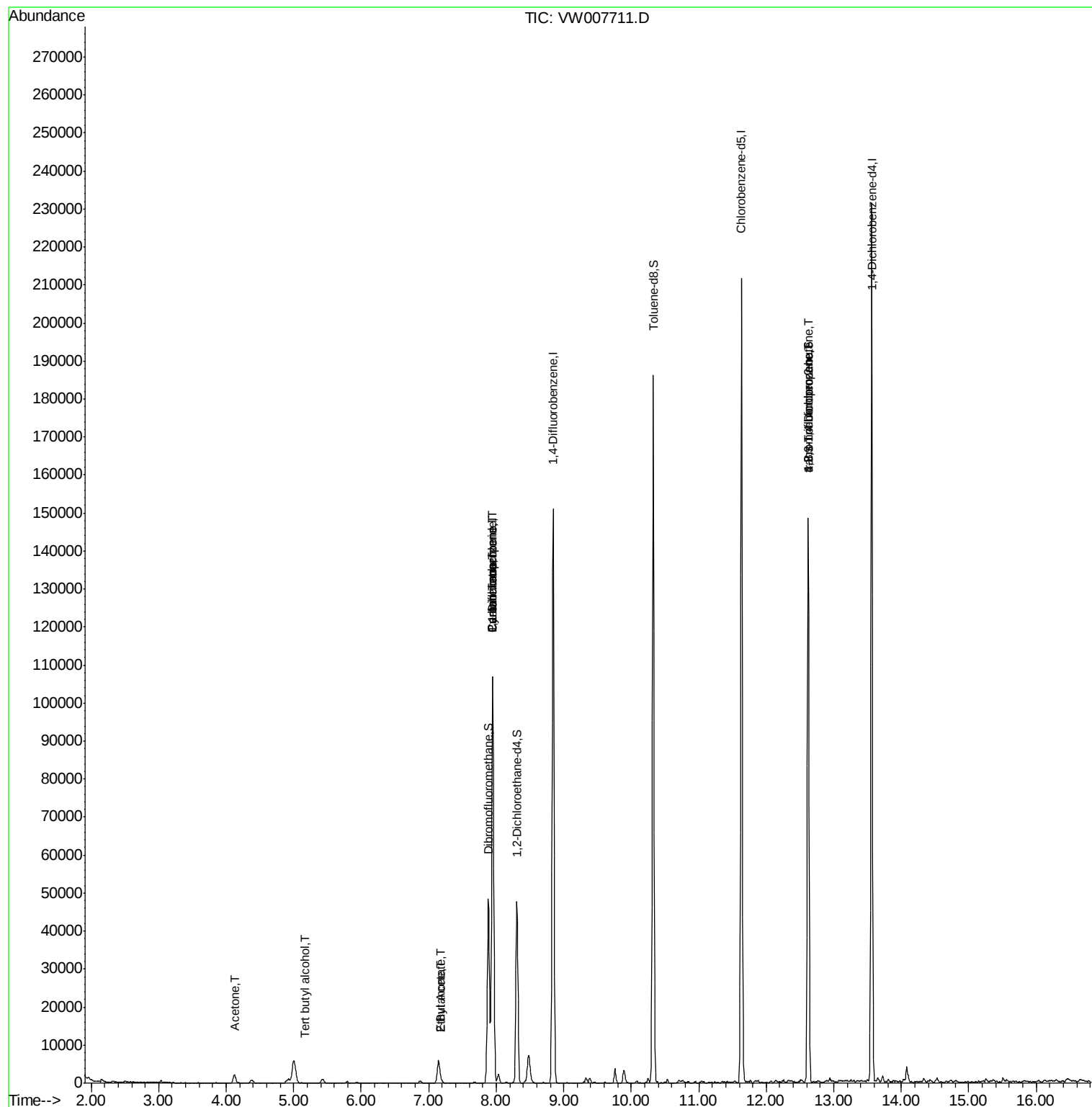
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 11) Tert butyl alcohol         | 5.17  | 59   | 141      | 2.427     | ug/l # | 73     |
| 16) Acetone                    | 4.13  | 43   | 4149     | 25.727    | ug/l # | 83     |
| 20) Methylene Chloride         | 4.91  | 84   | 1037     | Below Cal | #      | 75     |
| 25) 2-Butanone                 | 7.18  | 43   | 1449     | 7.671     | ug/l # | 82     |
| 31) Cyclohexane                | 7.95  | 56   | 1676     | 1.307     | ug/l # | 32     |
| 36) 1,1-Dichloropropene        | 7.95  | 75   | 6184     | 4.953     | ug/l # | 49     |
| 37) Ethyl Acetate              | 7.18  | 43   | 1449     | 3.363     | ug/l # | 68     |
| 38) Carbon Tetrachloride       | 7.95  | 117  | 8260     | 5.617     | ug/l # | 16     |
| 76) 1,2,3-Trichloropropane     | 12.62 | 75   | 25820    | 55.444    | ug/l # | 100    |
| 81) trans-1,4-Dichloro-2-buten | 12.62 | 75   | 25820    | 116.382   | ug/l # | 9      |

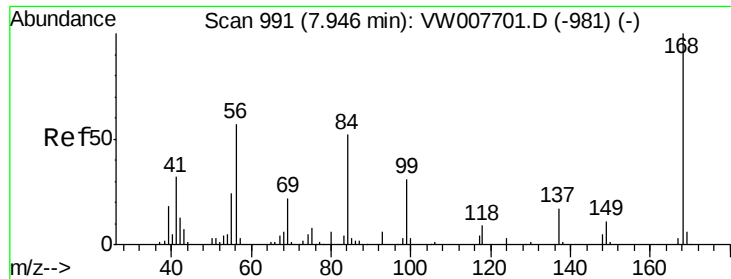
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW122118\  
Data File : VW007711.D  
Acq On : 19 Dec 2018 20:28  
Operator : SY/AP  
Sample : J6392-02  
Misc : 6.25G/5ML/MSVOA\_W/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
KY001SB102-121118-(7-9)-FD

Quant Time: Dec 20 06:50:57 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W122118S.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 20 06:30:23 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW007711.D

Acq: 19 Dec 2018 20:28

Instrument :

MSVOA\_W

ClientSampleId :

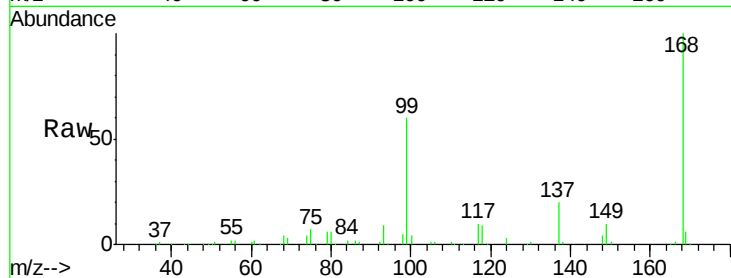
KY001SB102-121118-(7-9)-FD

Tgt Ion:168 Resp: 78574

Ion Ratio Lower Upper

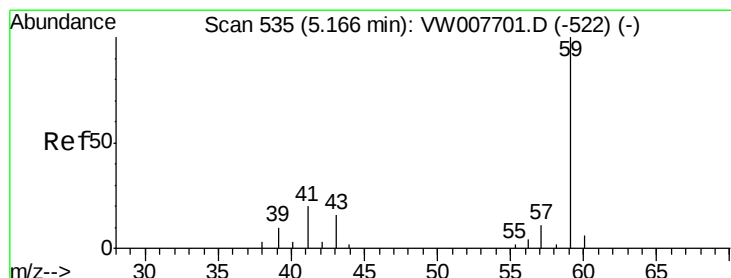
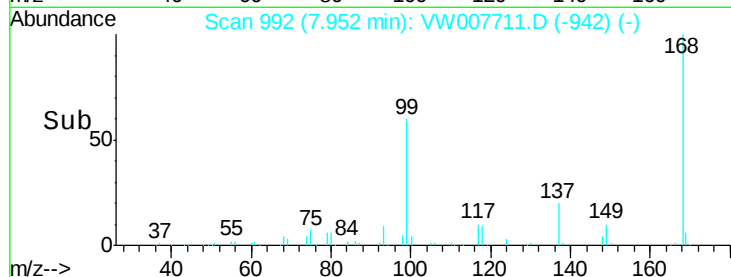
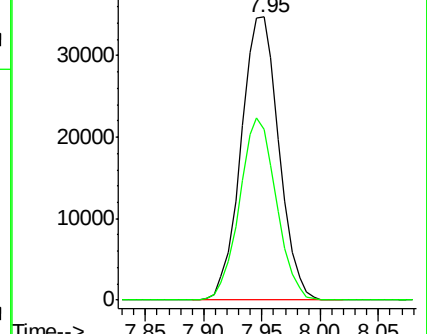
168 100

99 60.3 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 2.427 ug/l

RT: 5.17 min Scan# 536

Delta R.T. 0.01 min

Lab File: VW007711.D

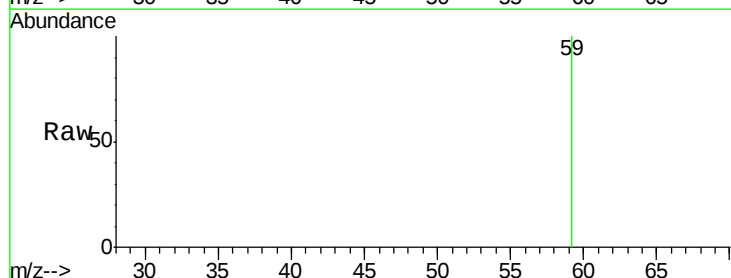
Acq: 19 Dec 2018 20:28

Tgt Ion: 59 Resp: 141

Ion Ratio Lower Upper

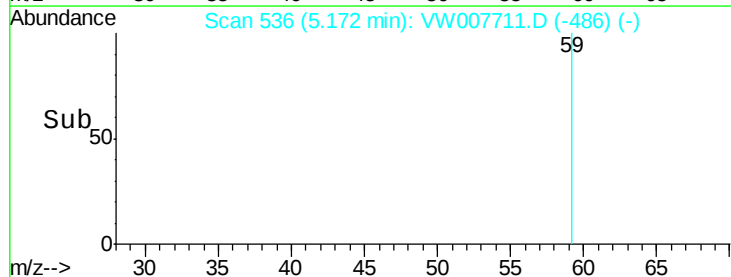
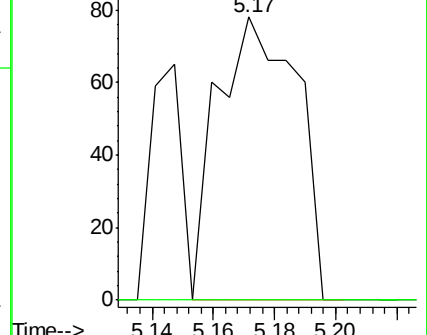
59 100

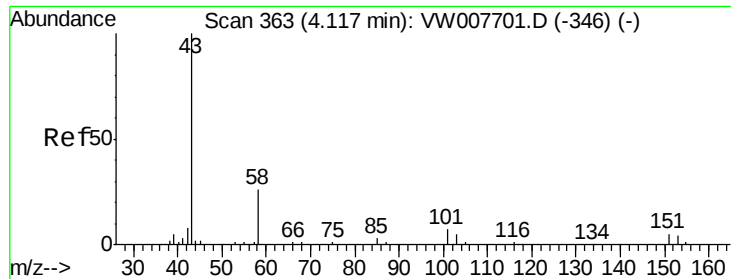
57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 25.727 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW007711.D

Acq: 19 Dec 2018 20:28

Instrument :

MSVOA\_W

ClientSampleId :

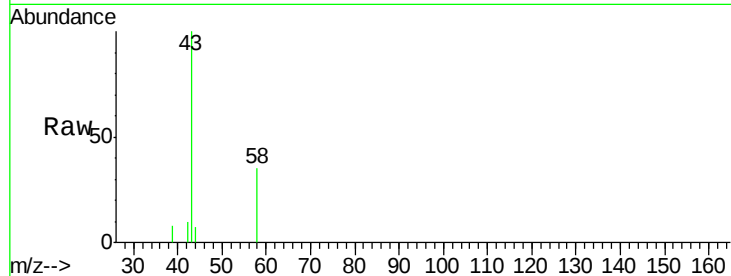
KY001SB102-121118-(7-9)-FD

Tgt Ion: 43 Resp: 4149

Ion Ratio Lower Upper

43 100

58 35.1 21.2 31.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

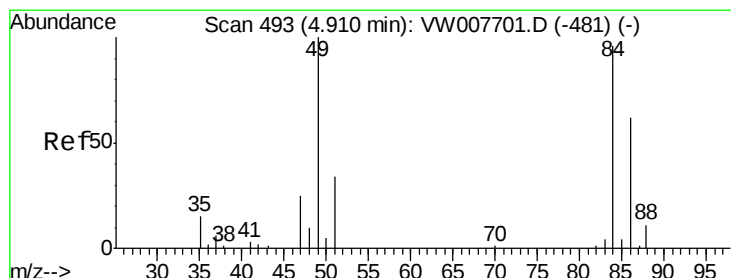
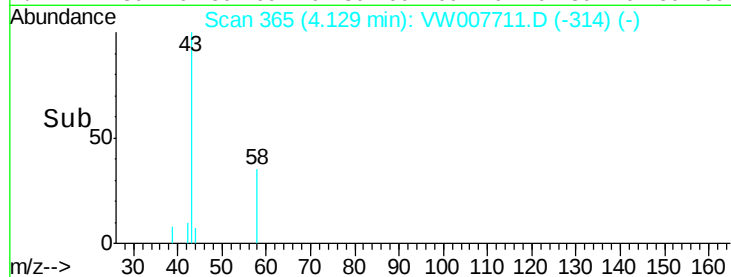
1500

1000

500

0

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW007711.D

Acq: 19 Dec 2018 20:28

Tgt Ion: 84 Resp: 1037

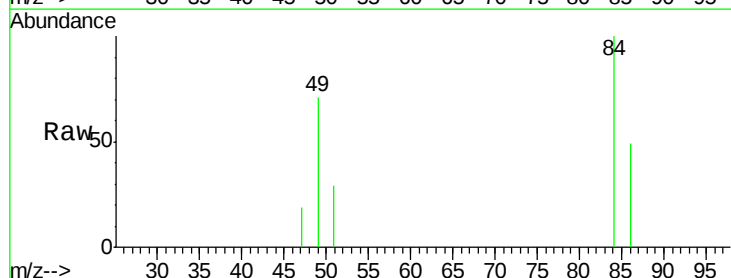
Ion Ratio Lower Upper

84 100

49 70.9 83.7 125.5#

51 28.8 28.2 42.2

86 48.5 52.2 78.2#



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

4.91

500

400

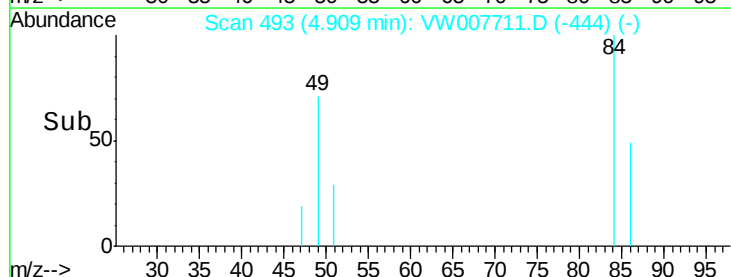
300

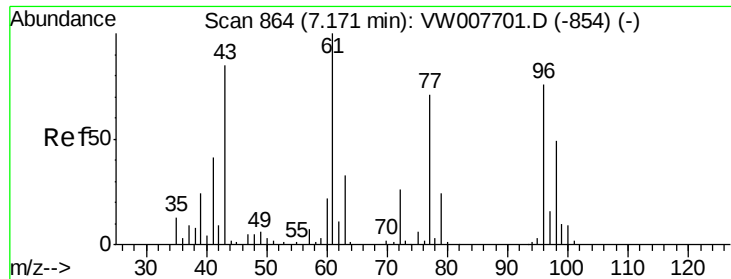
200

100

0

Time-->





#25

2-Butanone

Concen: 7.671 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW007711.D

Acq: 19 Dec 2018 20:28

Instrument :

MSVOA\_W

ClientSampleId :

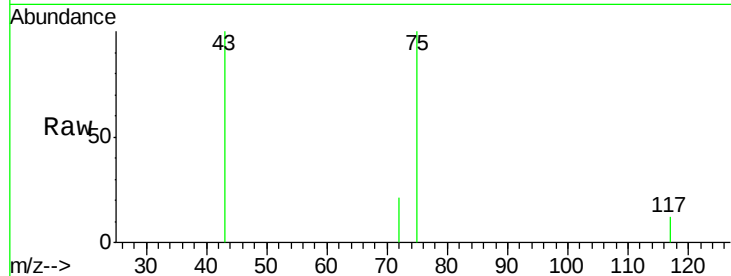
KY001SB102-121118-(7-9)-FD

Tgt Ion: 43 Resp: 1449

Ion Ratio Lower Upper

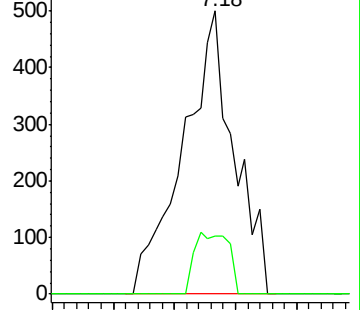
43 100

72 20.6 24.5 36.7#

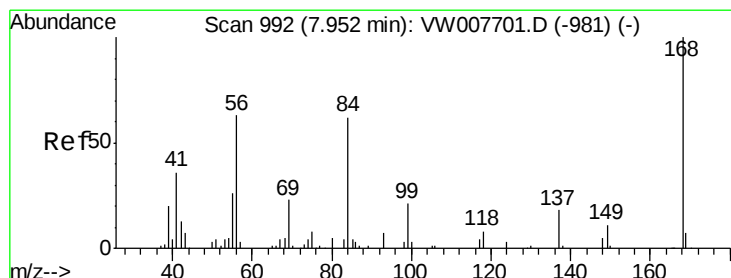
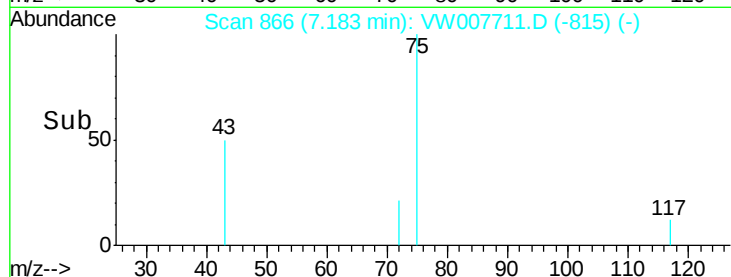


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



Time--> 7.05 7.10 7.15 7.20 7.25



#31

Cyclohexane

Concen: 1.307 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007711.D

Acq: 19 Dec 2018 20:28

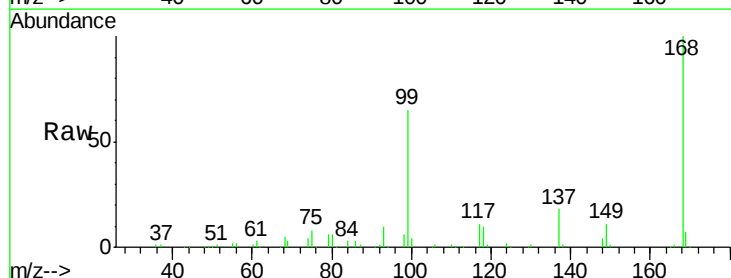
Tgt Ion: 56 Resp: 1676

Ion Ratio Lower Upper

56 100

69 155.8 29.7 44.5#

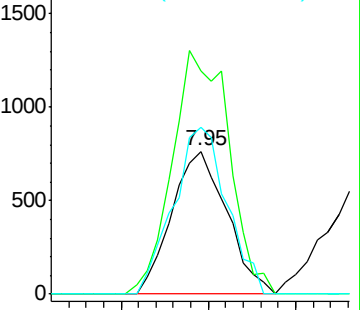
84 116.7 78.9 118.3



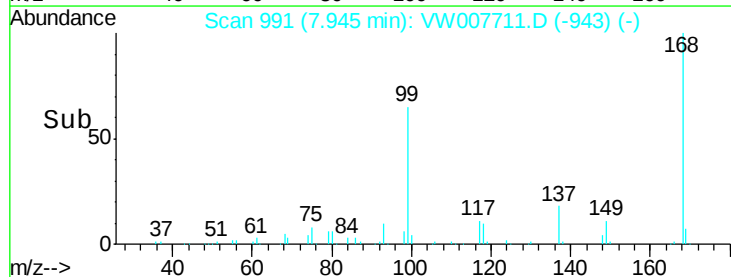
Abundance Ion 56.00 (55.70 to 56.70): VW

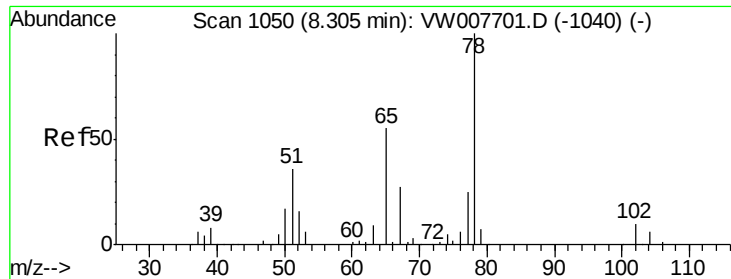
Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



Time--> 7.90 7.95 8.00

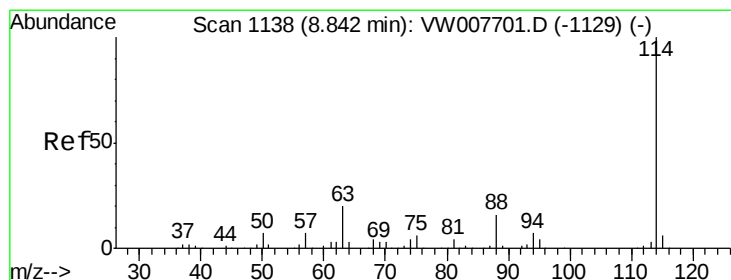
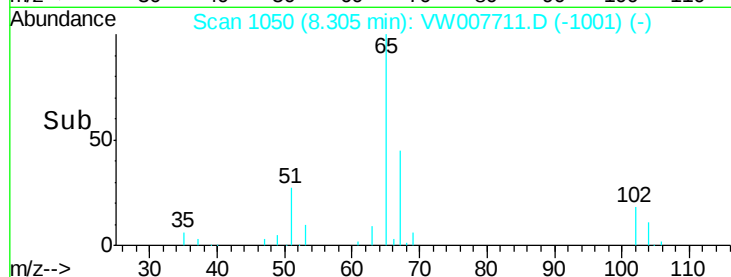
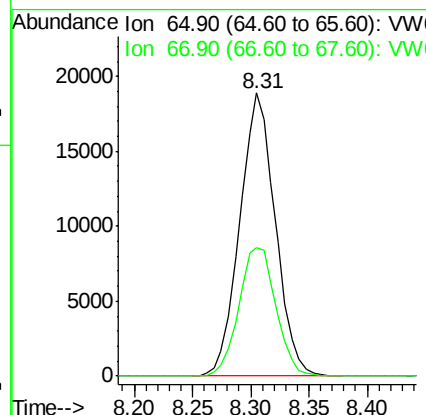
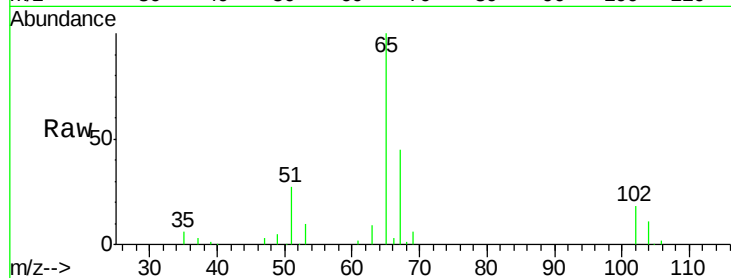




#33  
 1,2-Dichloroethane-d4  
 Concen: 46.589 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. -0.00 min  
 Lab File: VW007711.D  
 Acq: 19 Dec 2018 20:28

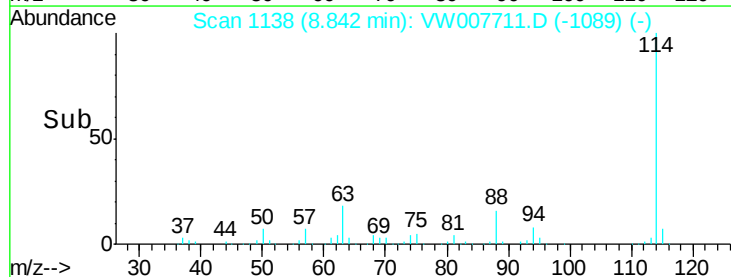
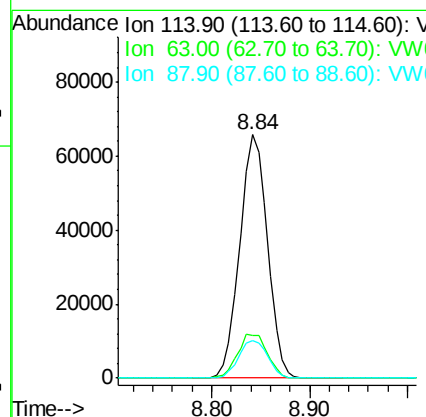
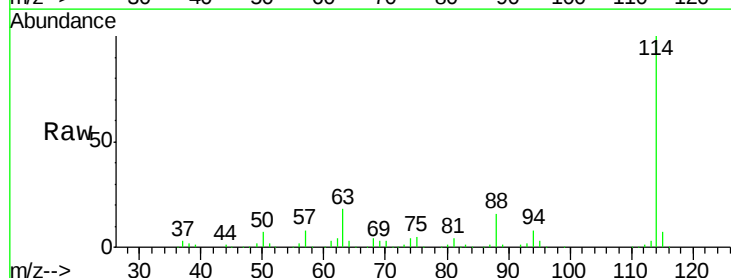
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 KY001SB102-121118-(7-9)-FD

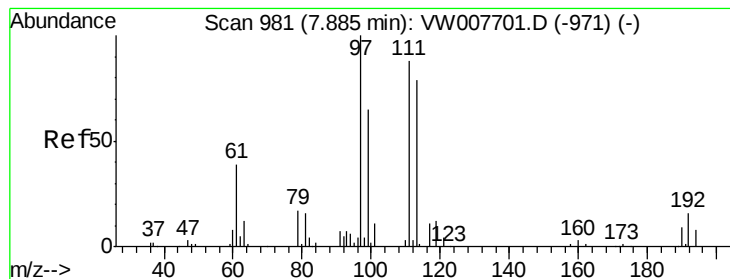
Tgt Ion: 65 Resp: 40123  
 Ion Ratio Lower Upper  
 65 100  
 67 47.5 0.0 100.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW007711.D  
 Acq: 19 Dec 2018 20:28

Tgt Ion: 114 Resp: 129369  
 Ion Ratio Lower Upper  
 114 100  
 63 17.6 0.0 40.0  
 88 15.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 45.161 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007711.D

Acq: 19 Dec 2018 20:28

Instrument :

MSVOA\_W

ClientSampleId :

KY001SB102-121118-(7-9)-FD

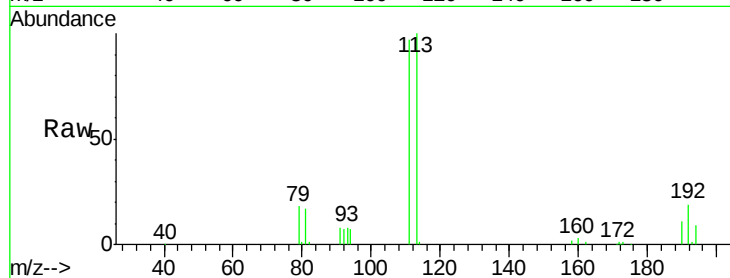
Tgt Ion:113 Resp: 35642

Ion Ratio Lower Upper

113 100

111 101.8 82.6 124.0

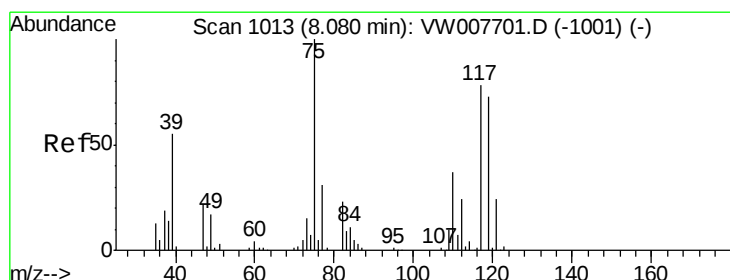
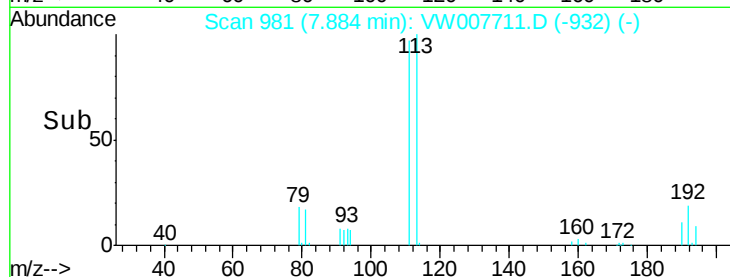
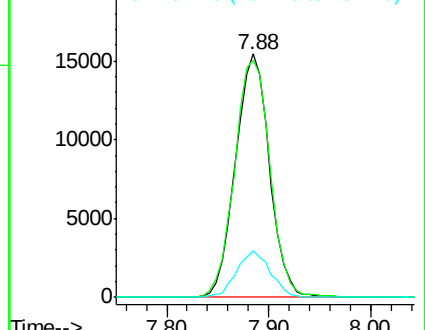
192 18.9 15.5 23.3



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: 4.953 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW007711.D

Acq: 19 Dec 2018 20:28

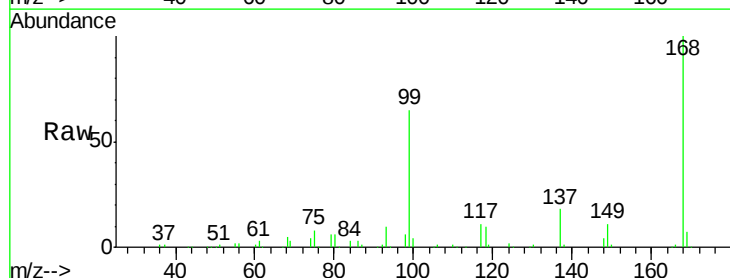
Tgt Ion: 75 Resp: 6184

Ion Ratio Lower Upper

75 100

110 10.0 18.6 55.8#

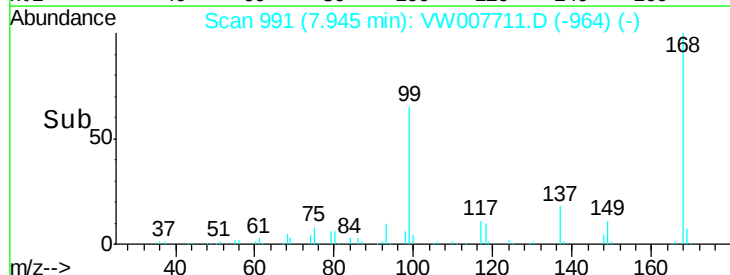
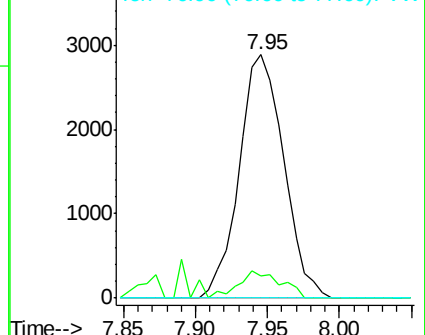
77 0.0 25.0 37.4#

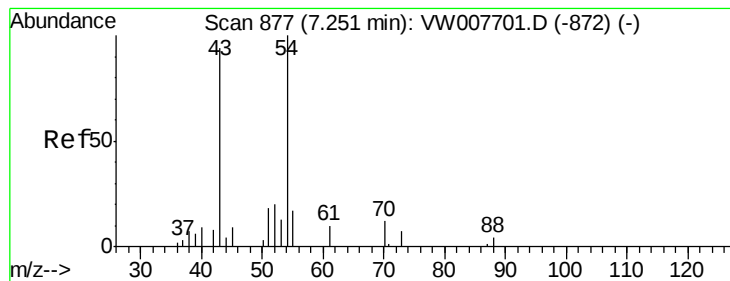


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 3.363 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.07 min

Lab File: VW007711.D

Acq: 19 Dec 2018 20:28

Instrument :

MSVOA\_W

ClientSampleId :

KY001SB102-121118-(7-9)-FD

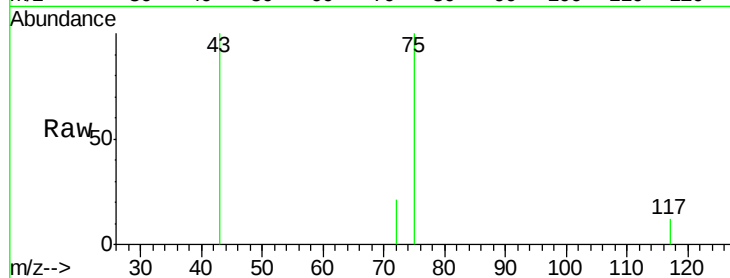
Tgt Ion: 43 Resp: 1449

Ion Ratio Lower Upper

43 100

61 0.0 11.2 16.8#

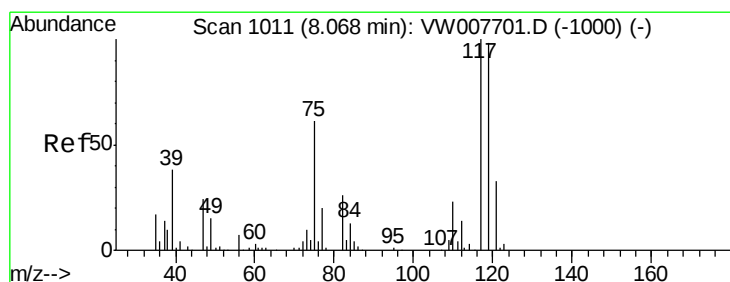
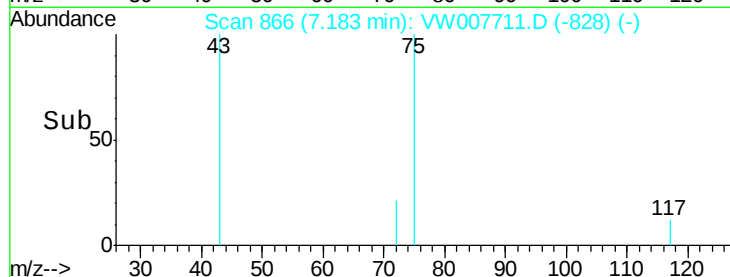
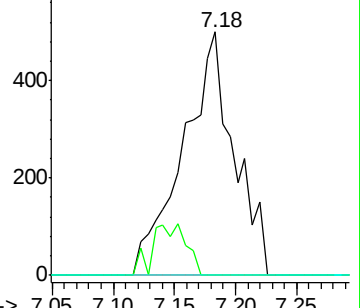
70 0.0 9.3 13.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 5.617 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW007711.D

Acq: 19 Dec 2018 20:28

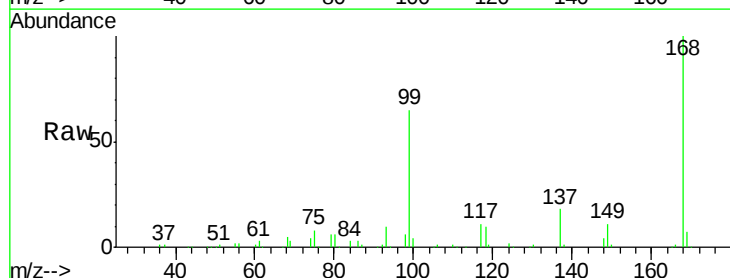
Tgt Ion: 117 Resp: 8260

Ion Ratio Lower Upper

117 100

119 5.9 78.2 117.2#

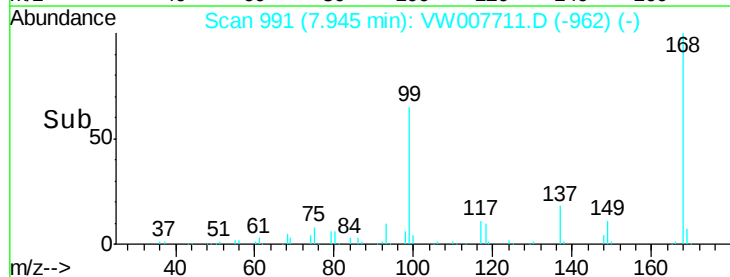
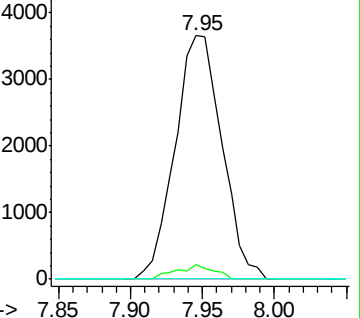
121 0.0 26.1 39.1#

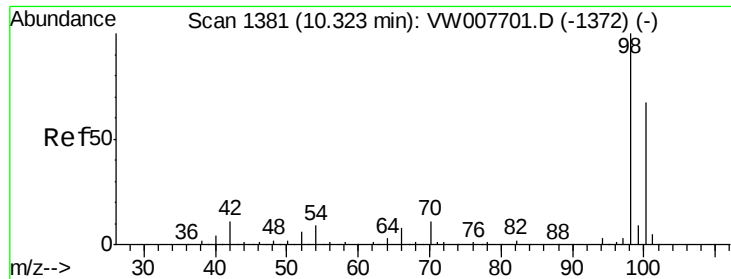


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 41.707 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007711.D

Acq: 19 Dec 2018 20:28

Instrument :

MSVOA\_W

ClientSampleId :

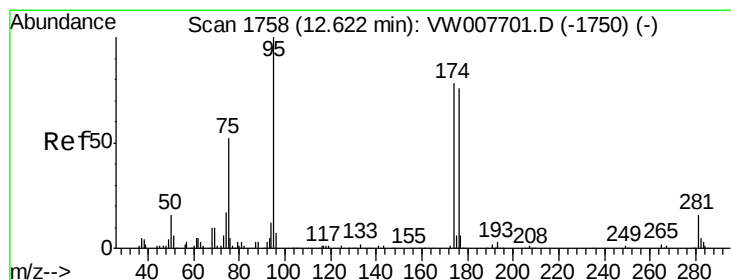
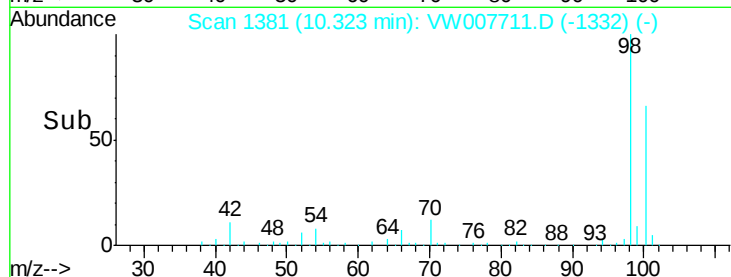
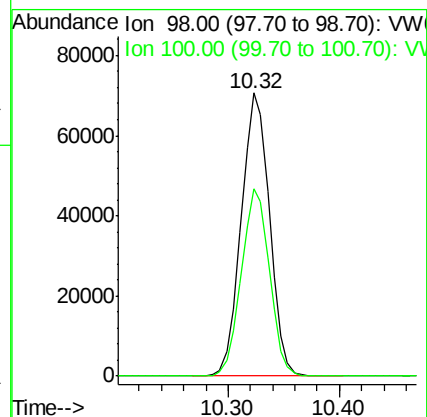
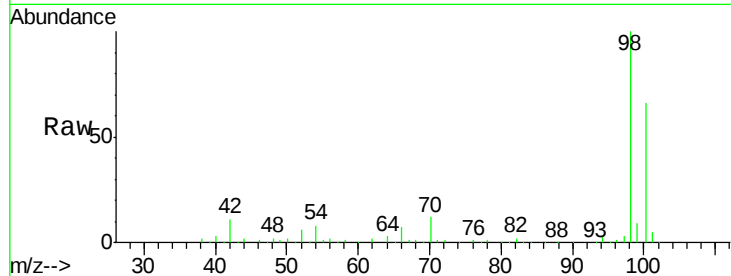
KY001SB102-121118-(7-9)-FD

Tgt Ion: 98 Resp: 124087

Ion Ratio Lower Upper

98 100

100 65.8 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 43.144 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007711.D

Acq: 19 Dec 2018 20:28

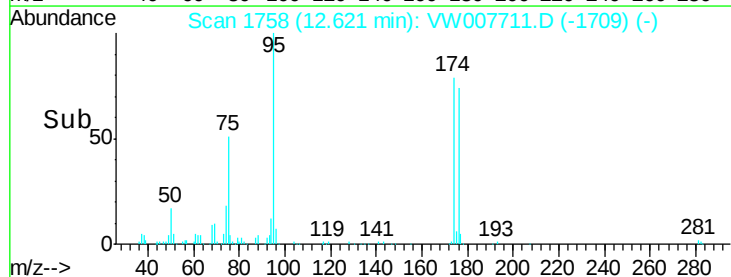
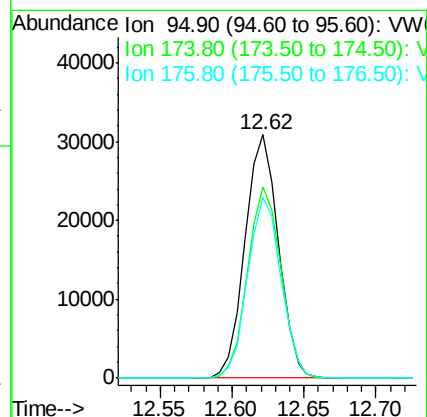
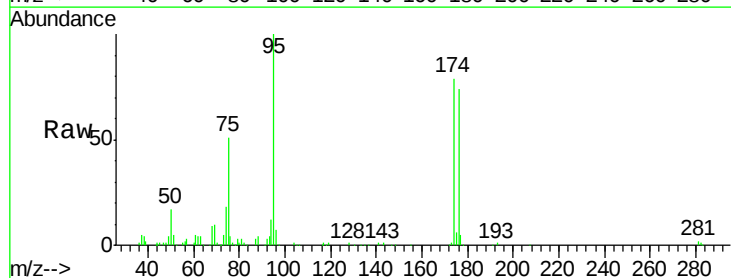
Tgt Ion: 95 Resp: 49590

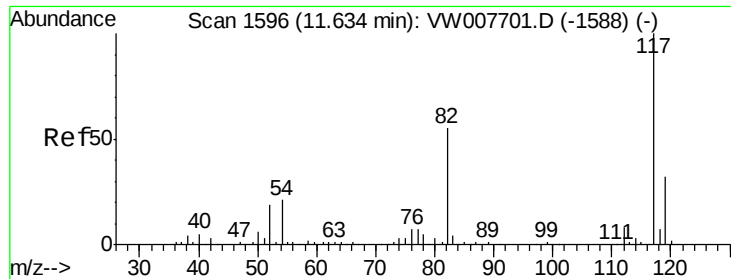
Ion Ratio Lower Upper

95 100

174 78.1 0.0 152.2

176 74.2 0.0 146.8

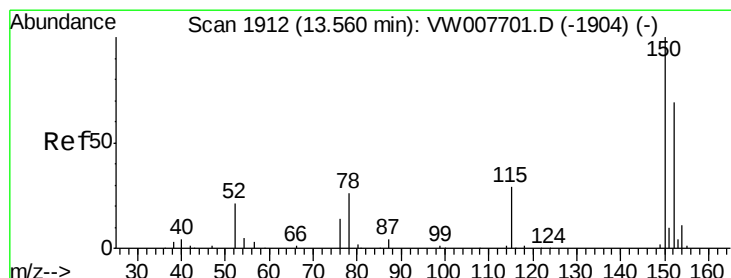
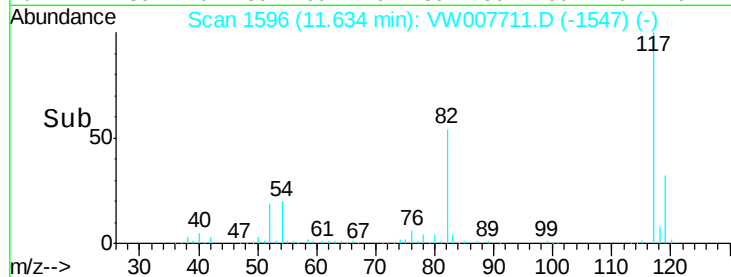
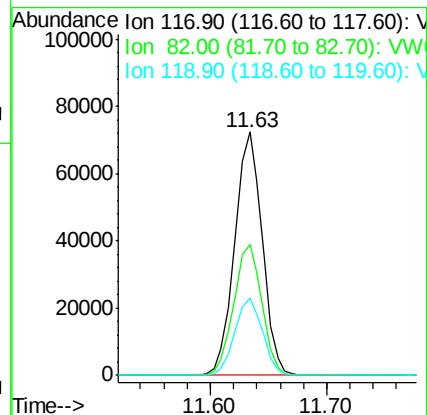
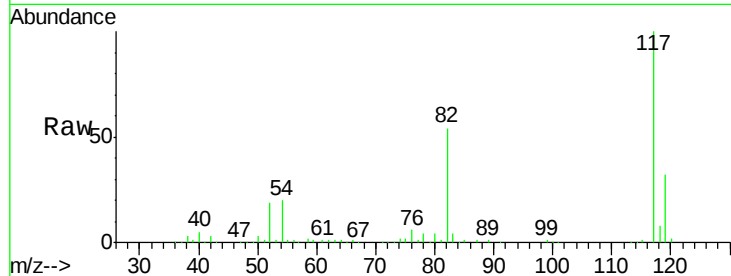




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW007711.D  
Acq: 19 Dec 2018 20:28

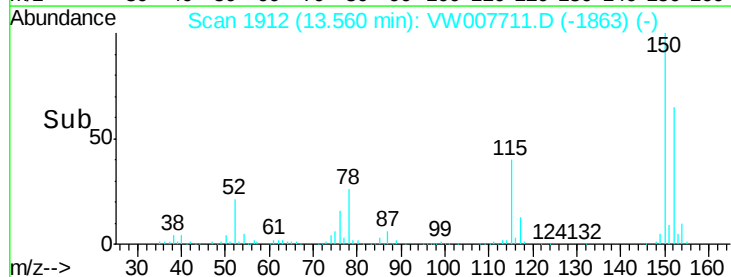
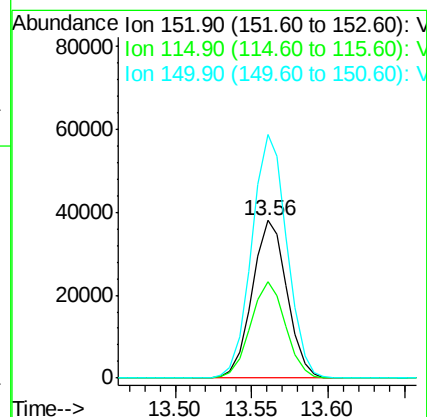
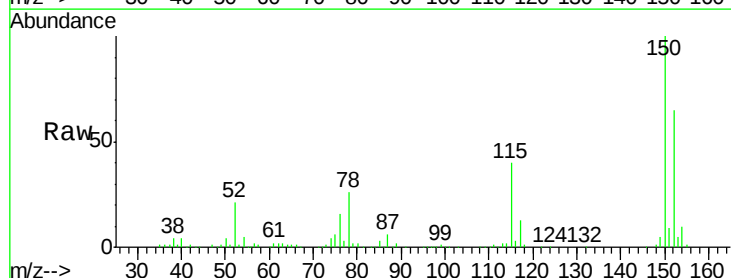
Instrument :  
MSVOA\_W  
ClientSampleId :  
KY001SB102-121118-(7-9)-FD

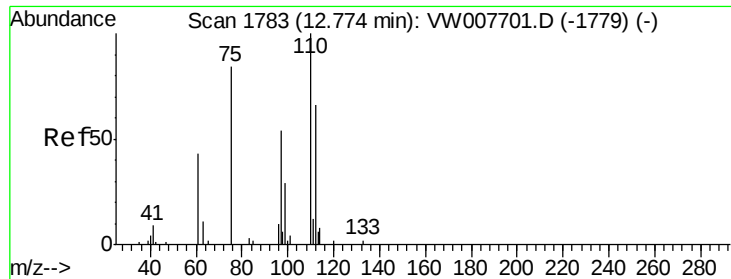
Tgt Ion:117 Resp: 119189  
Ion Ratio Lower Upper  
117 100  
82 53.8 44.3 66.5  
119 31.6 25.7 38.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. -0.00 min  
Lab File: VW007711.D  
Acq: 19 Dec 2018 20:28

Tgt Ion:152 Resp: 60252  
Ion Ratio Lower Upper  
152 100  
115 61.3 31.8 95.4  
150 155.7 0.0 350.8





#76

1,2,3-Trichloropropane

Concen: 55.444 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007711.D

Acq: 19 Dec 2018 20:28

Instrument :

MSVOA\_W

ClientSampleId :

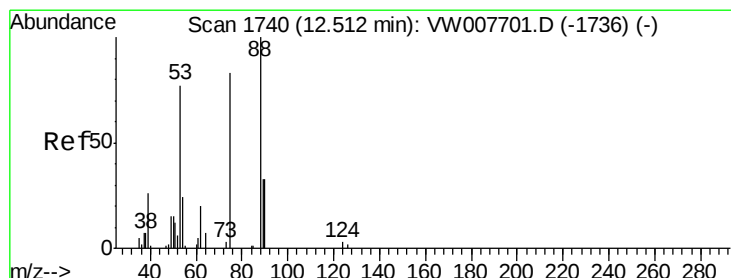
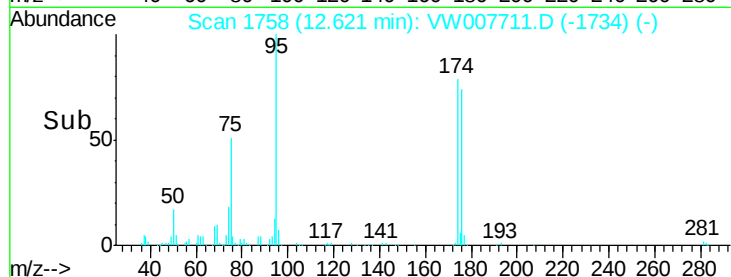
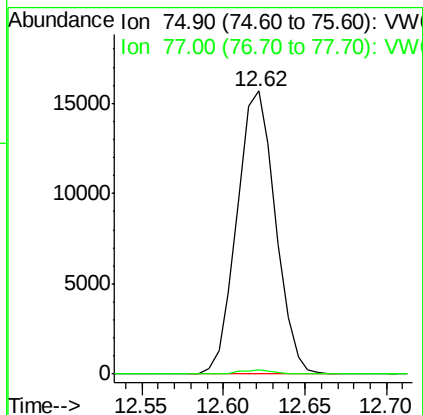
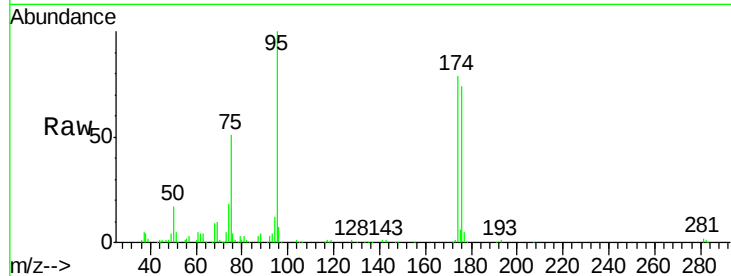
KY001SB102-121118-(7-9)-FD

Tgt Ion: 75 Resp: 25820

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 116.382 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW007711.D

Acq: 19 Dec 2018 20:28

Tgt Ion: 75 Resp: 25820

Ion Ratio Lower Upper

75 100

53 0.0 80.2 120.2#

89 0.0 39.2 58.8#

