

Data File : VW004750.D
Acq On : 17 Aug 2018 23:13
Operator : SY/AP
Sample : J4460-01RE
Misc : 5.03G/5ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
RA-080918-FL-001RE

Quant Time: Aug 18 02:41:07 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:49:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	485388	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	803436	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	717509	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	290697	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	286696	61.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.18%	
35) Dibromofluoromethane	7.89	113	269862	52.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.10%	
50) Toluene-d8	10.33	98	875001	43.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.30%	
62) 4-Bromofluorobenzene	12.62	95	258717	35.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.76%	

Target Compounds

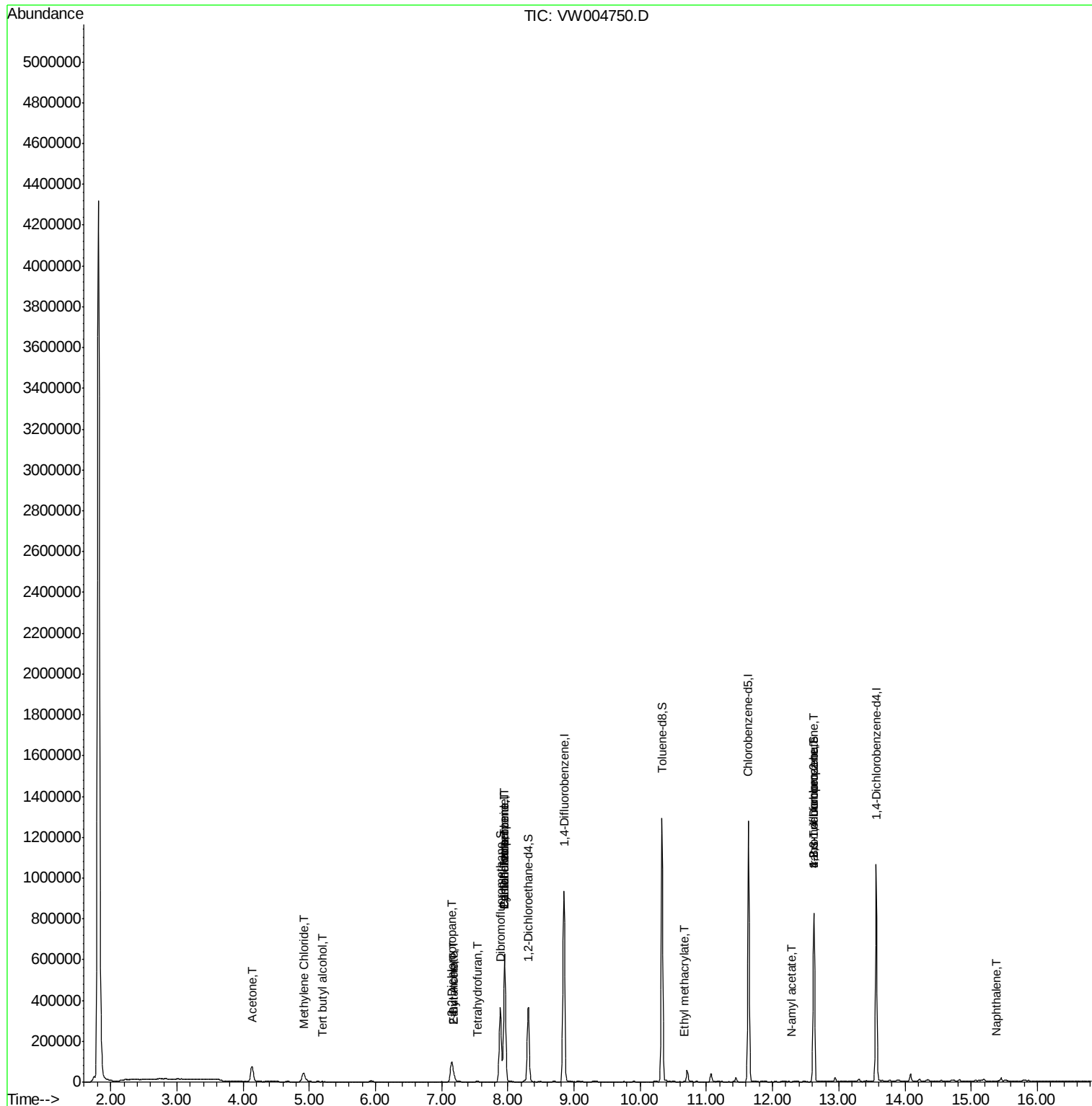
						Qvalue
11) Tert butyl alcohol	5.20	59	1703	6.496	ug/l #	80
16) Acetone	4.14	43	137678	114.929	ug/l	99
20) Methylene Chloride	4.91	84	39784	3.237	ug/l	96
25) 2-Butanone	7.18	43	42812	25.083	ug/l	99
26) 2,2-Dichloropropane	7.16	77	7024	1.283	ug/l #	50
29) Tetrahydrofuran	7.54	42	1013	1.164	ug/l #	54
31) Cyclohexane	7.95	56	9934	1.083	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	35502	4.289	ug/l #	49
37) Ethyl Acetate	7.18	43	42812	12.976	ug/l #	68
38) Carbon Tetrachloride	7.95	117	43849	5.755	ug/l #	16
56) Ethyl methacrylate	10.67	69	254	3.024	ug/l #	10
74) N-amyl acetate	12.29	43	244	4.067	ug/l #	40
76) 1,2,3-Trichloropropane	12.62	75	122356	47.748	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	122356	110.978	ug/l #	14
95) Naphthalene	15.38	128	2127	3.673	ug/l #	86

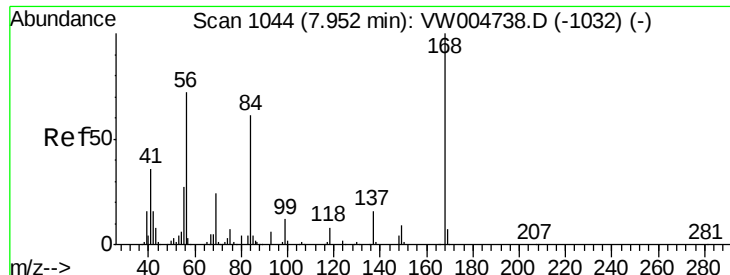
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004750.D

Acq: 17 Aug 2018 23:13

Instrument :

MSVOA_W

ClientSampleId :

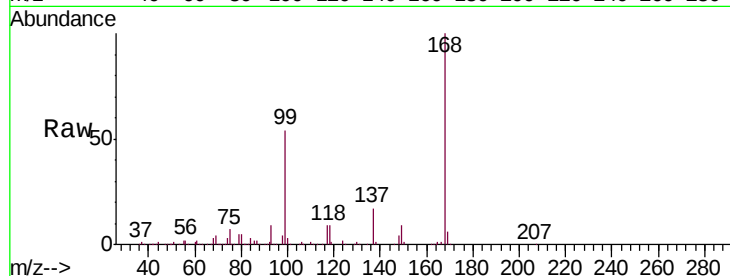
RA-080918-FL-001RE

Tgt Ion:168 Resp: 485388

Ion Ratio Lower Upper

168 100

99 53.8 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

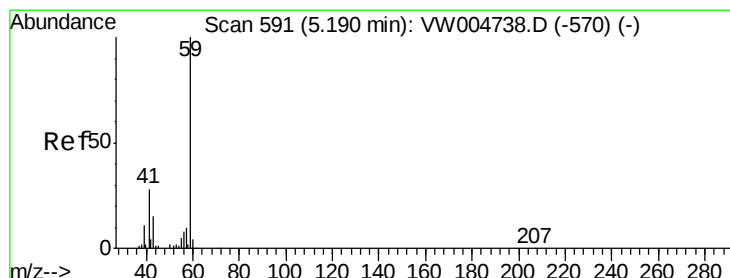
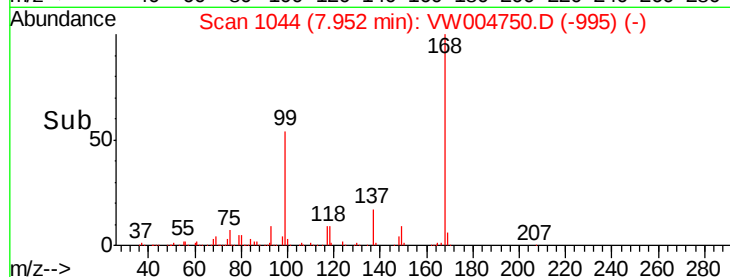
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 6.496 ug/l

RT: 5.20 min Scan# 592

Delta R.T. 0.01 min

Lab File: VW004750.D

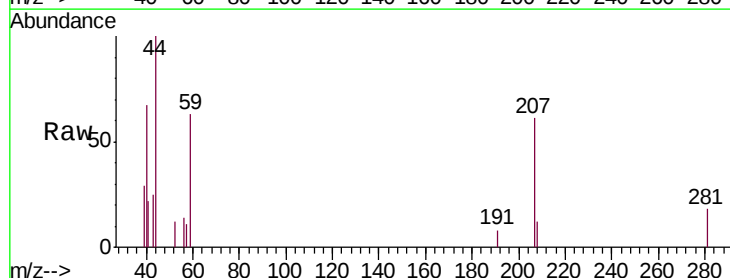
Acq: 17 Aug 2018 23:13

Tgt Ion: 59 Resp: 1703

Ion Ratio Lower Upper

59 100

57 3.1 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.20

400

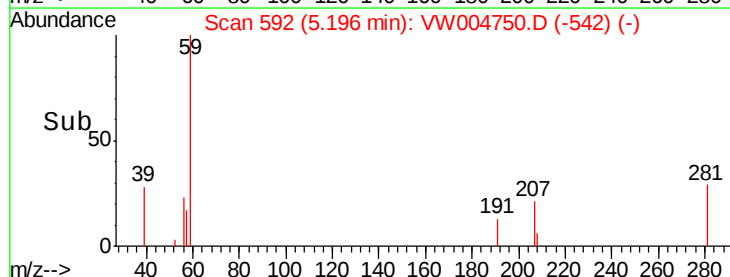
300

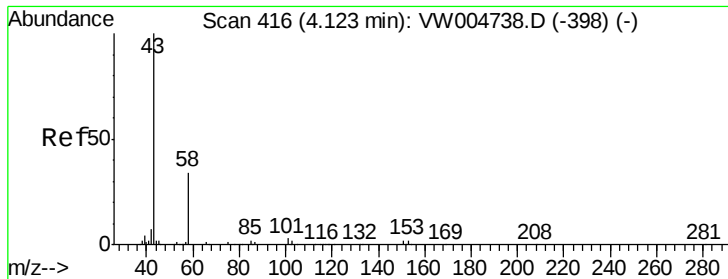
200

100

0

Time--> 5.10 5.15 5.20 5.25 5.30

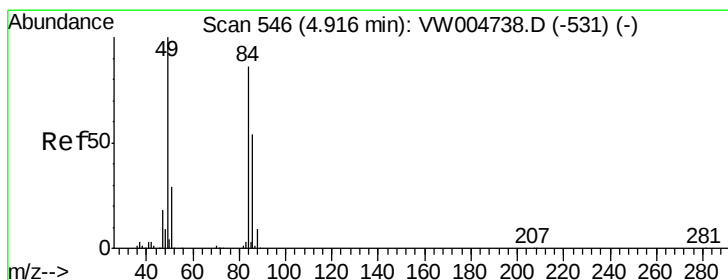
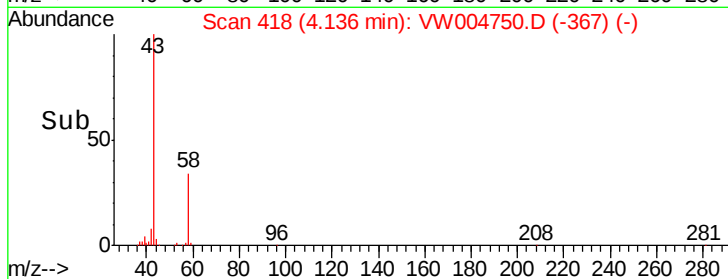
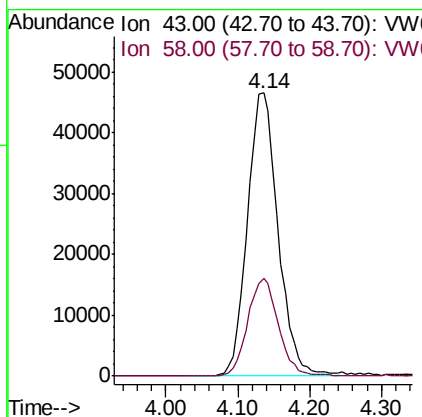
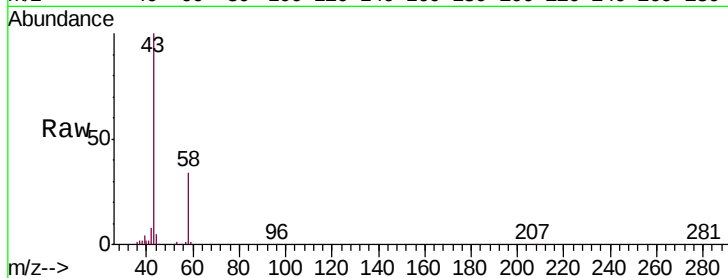




#16
Acetone
Concen: 114.929 ug/l
RT: 4.14 min Scan# 418
Delta R.T. 0.01 min
Lab File: VW004750.D
Acq: 17 Aug 2018 23:13

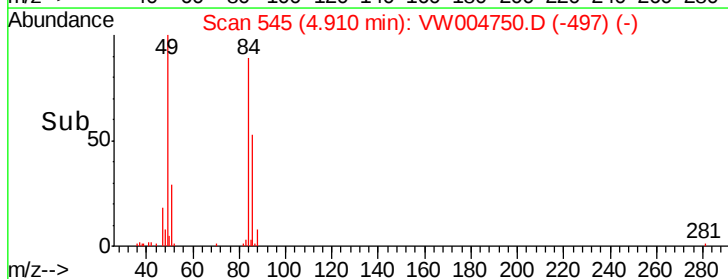
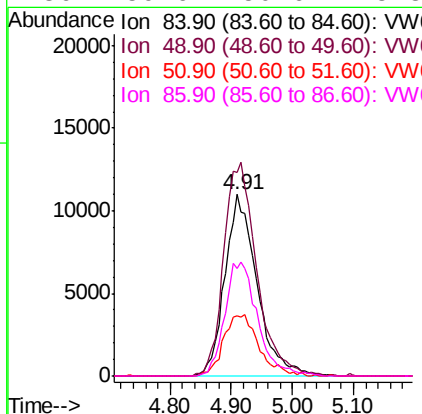
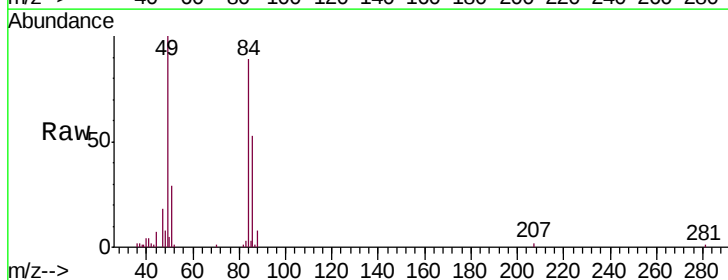
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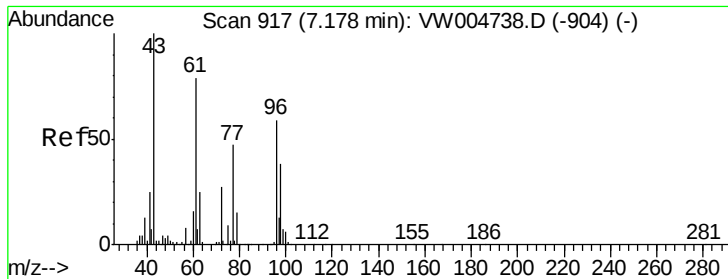
Tgt Ion: 43 Resp: 137678
Ion Ratio Lower Upper
43 100
58 34.4 27.3 40.9



#20
Methylene Chloride
Concen: 3.237 ug/l
RT: 4.91 min Scan# 545
Delta R.T. -0.01 min
Lab File: VW004750.D
Acq: 17 Aug 2018 23:13

Tgt Ion: 84 Resp: 39784
Ion Ratio Lower Upper
84 100
49 112.2 93.2 139.8
51 33.0 27.4 41.0
86 59.6 50.6 75.8





#25

2-Butanone

Concen: 25.083 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.01 min

Lab File: VW004750.D

Acq: 17 Aug 2018 23:13

Instrument :

MSVOA_W

ClientSampleId :

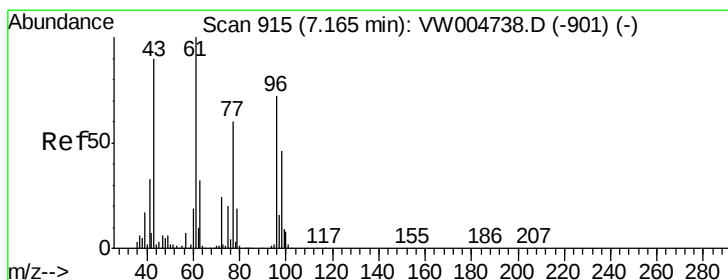
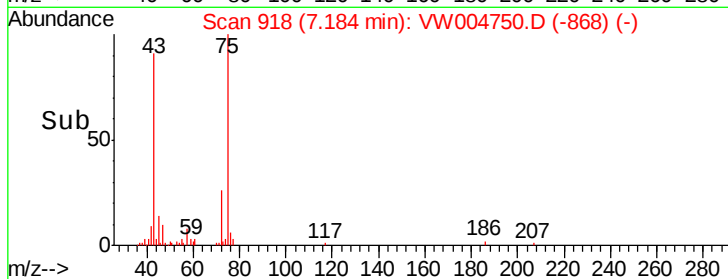
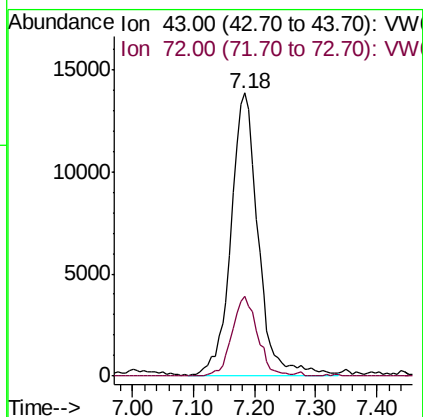
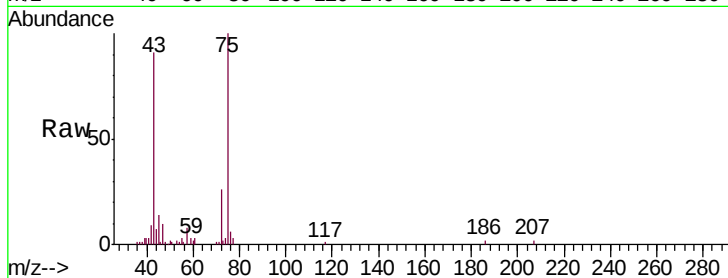
RA-080918-FL-001RE

Tgt Ion: 43 Resp: 42812

Ion Ratio Lower Upper

43 100

72 28.3 22.0 33.0



#26

2,2-Dichloropropane

Concen: 1.283 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW004750.D

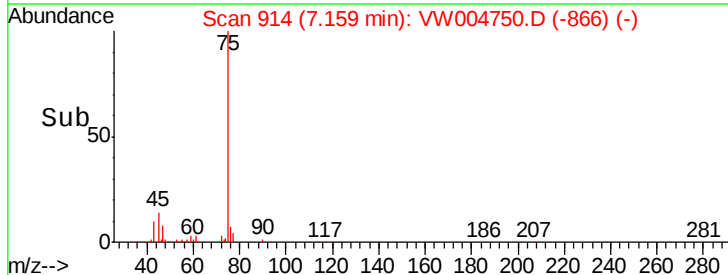
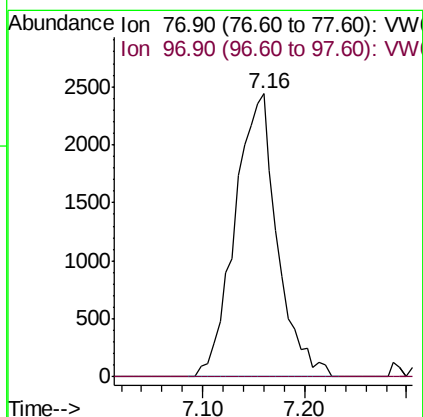
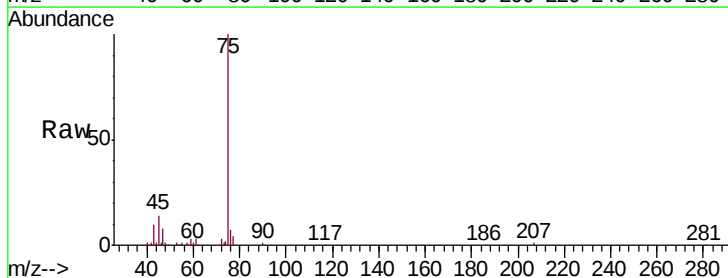
Acq: 17 Aug 2018 23:13

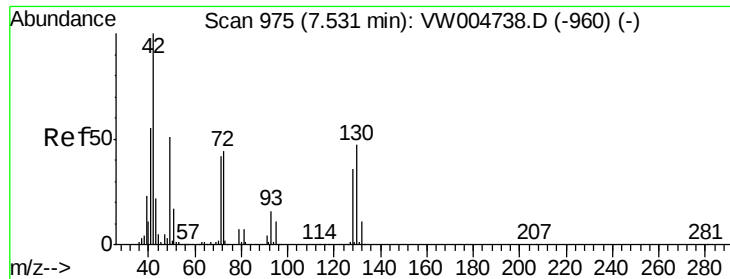
Tgt Ion: 77 Resp: 7024

Ion Ratio Lower Upper

77 100

97 0.0 12.6 37.8#

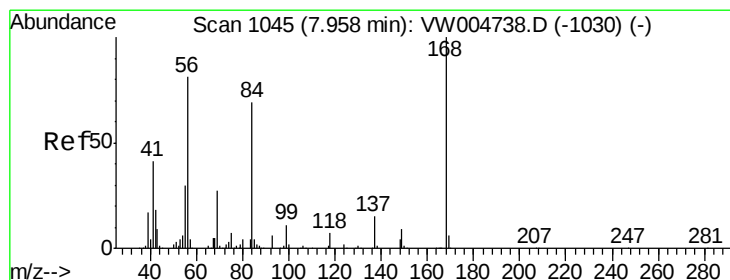
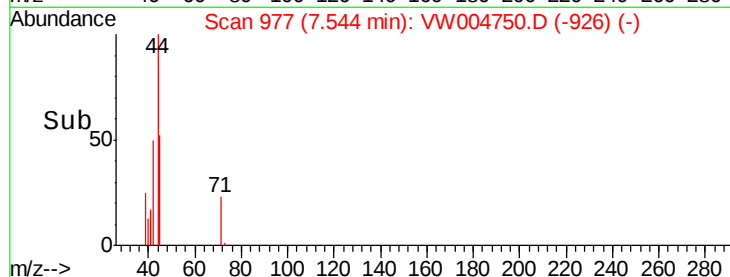
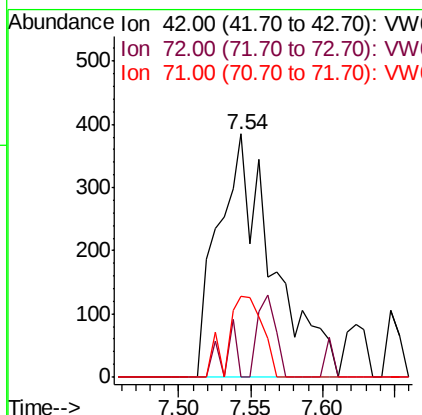
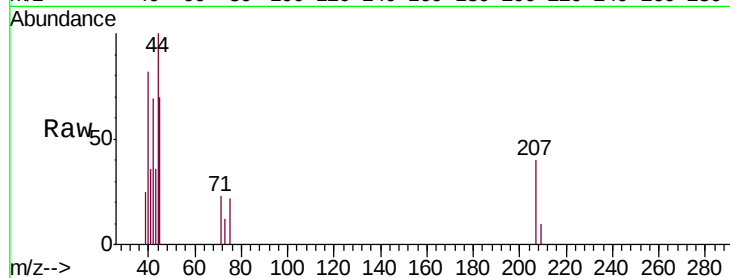




#29
Tetrahydrofuran
Concen: 1.164 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW004750.D
Acq: 17 Aug 2018 23:13

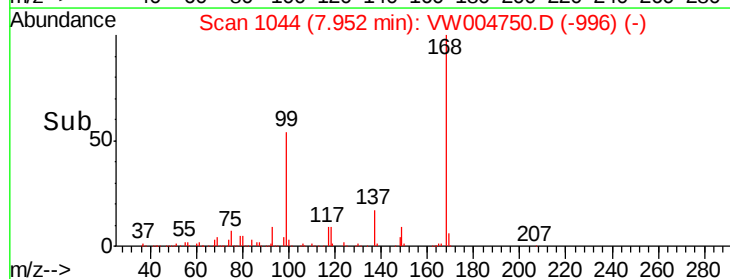
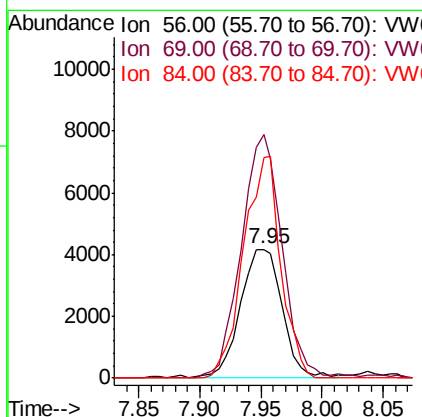
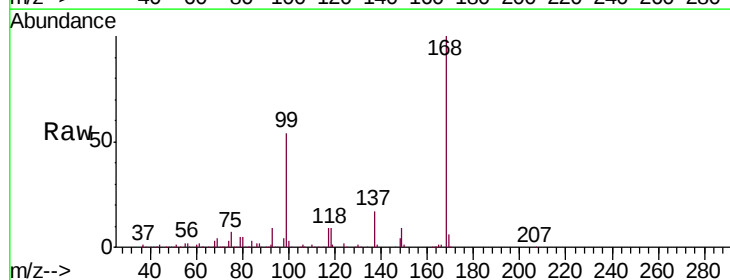
Instrument :
MSVOA_W
ClientSampleId :
RA-080918-FL-001RE

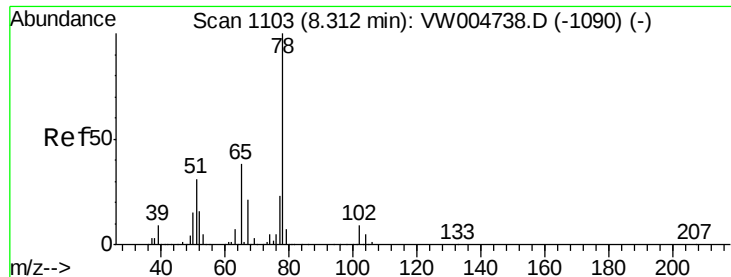
Tgt Ion: 42 Resp: 1013
Ion Ratio Lower Upper
42 100
72 5.3 34.9 52.3#
71 21.2 33.8 50.6#



#31
Cyclohexane
Concen: 1.083 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW004750.D
Acq: 17 Aug 2018 23:13

Tgt Ion: 56 Resp: 9934
Ion Ratio Lower Upper
56 100
69 189.5 27.1 40.7#
84 171.1 68.3 102.5#

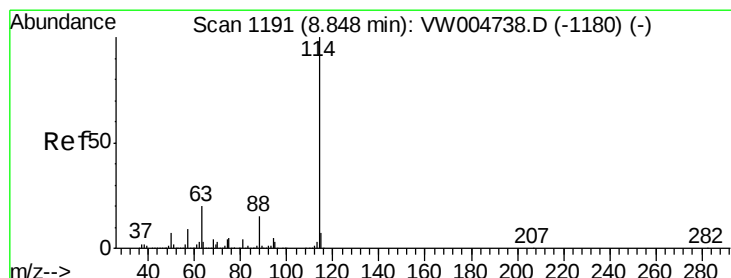
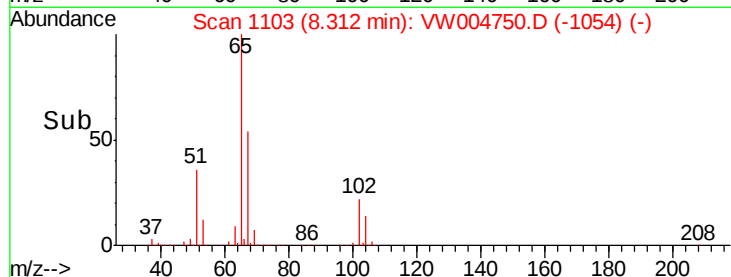
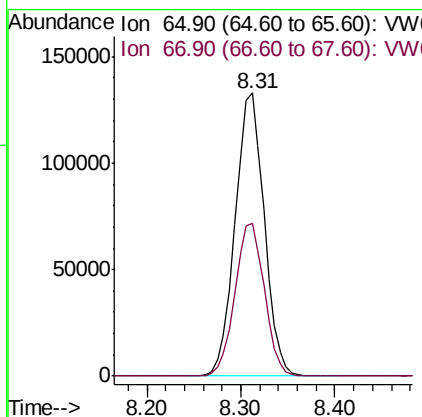
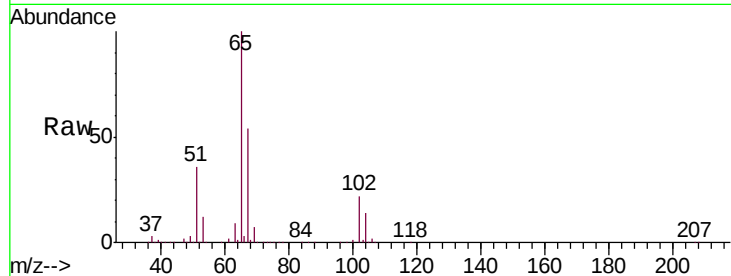




#33
 1,2-Dichloroethane-d4
 Concen: 61.093 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW004750.D
 Acq: 17 Aug 2018 23:13

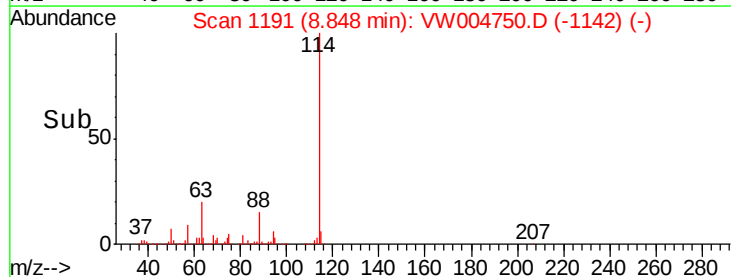
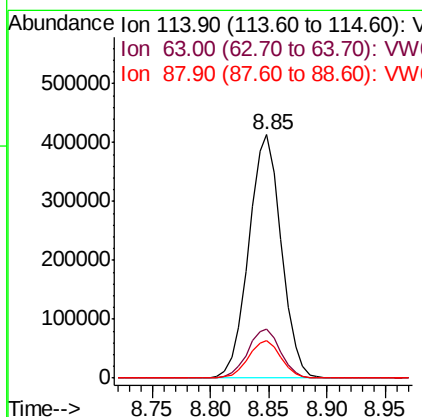
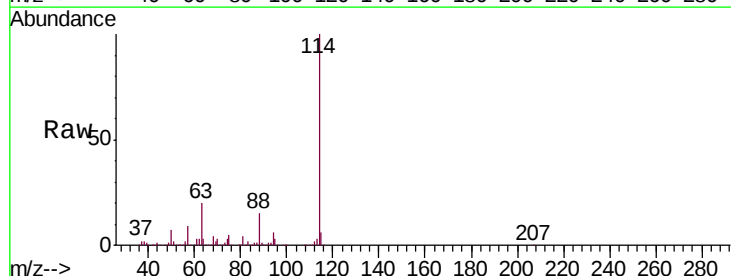
Instrument :
 MSVOA_W
 ClientSampleId :
 RA-080918-FL-001RE

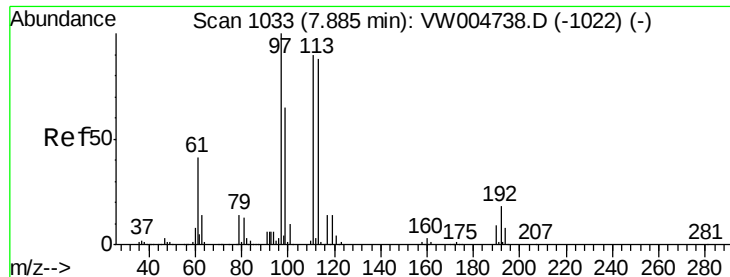
Tgt Ion: 65 Resp: 286696
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004750.D
 Acq: 17 Aug 2018 23:13

Tgt Ion: 114 Resp: 803436
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.0
 88 15.4 0.0 30.0





#35

Dibromofluoromethane

Concen: 52.553 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. 0.01 min

Lab File: VW004750.D

Acq: 17 Aug 2018 23:13

Instrument :

MSVOA_W

ClientSampleId :

RA-080918-FL-001RE

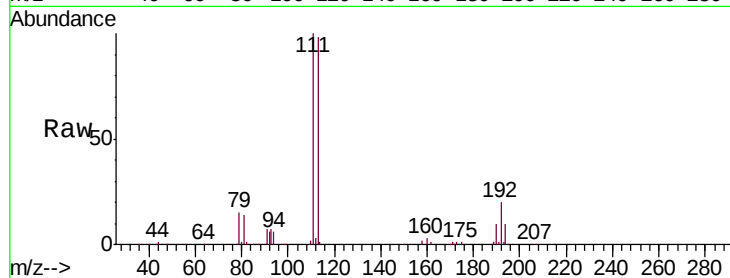
Tgt Ion:113 Resp: 269862

Ion Ratio Lower Upper

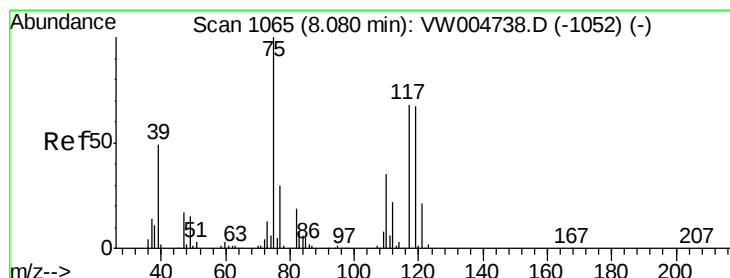
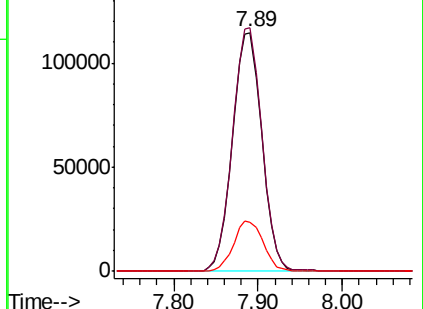
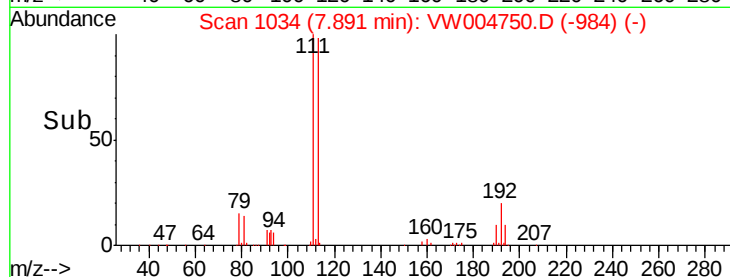
113 100

111 102.0 82.4 123.6

192 21.1 16.7 25.1



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: 4.289 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW004750.D

Acq: 17 Aug 2018 23:13

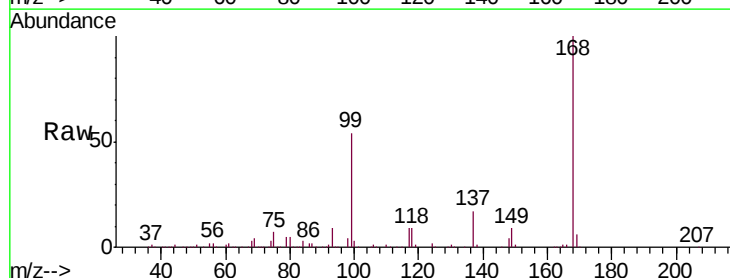
Tgt Ion: 75 Resp: 35502

Ion Ratio Lower Upper

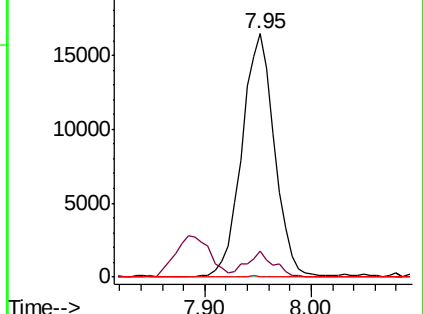
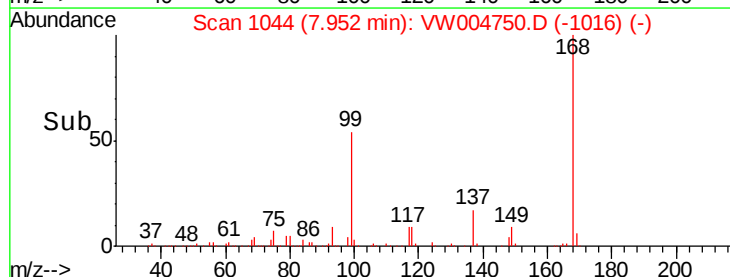
75 100

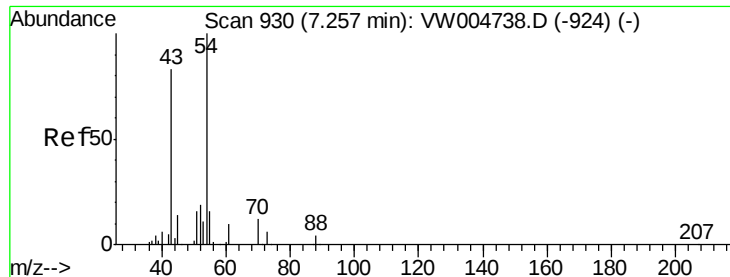
110 8.9 17.8 53.5#

77 0.2 24.9 37.3#



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: 12.976 ug/l

RT: 7.18 min Scan# 918

Delta R.T. -0.07 min

Lab File: VW004750.D

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MSVOA_W

ClientSampleId :

RA-080918-FL-001RE

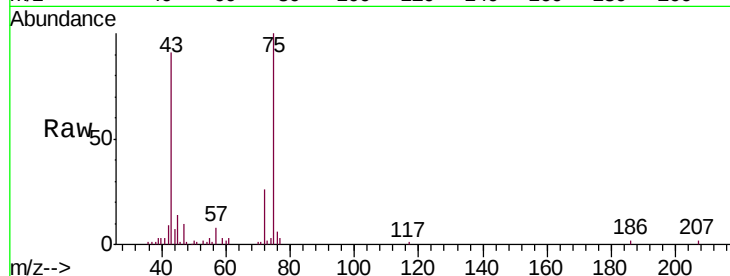
Tgt Ion: 43 Resp: 42812

Ion Ratio Lower Upper

43 100

61 0.0 11.6 17.4#

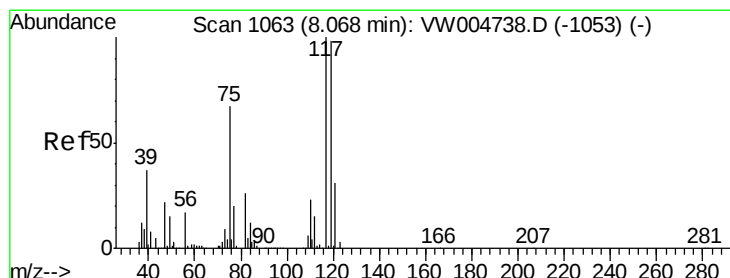
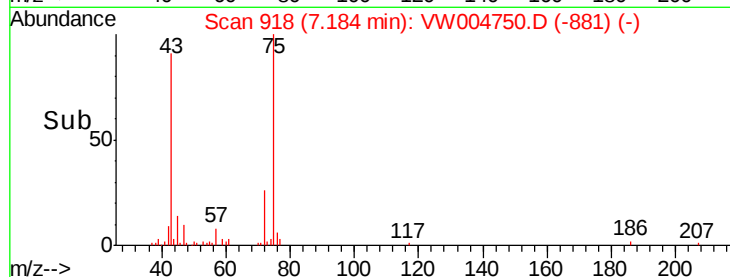
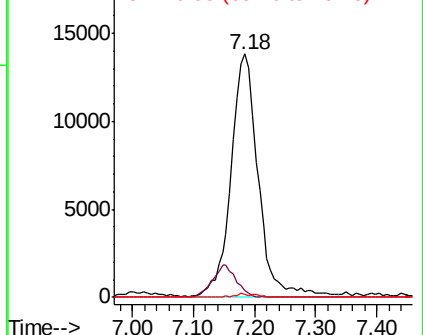
70 0.7 9.2 13.8#



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: 5.755 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004750.D

Acq: 17 Aug 2018 23:13

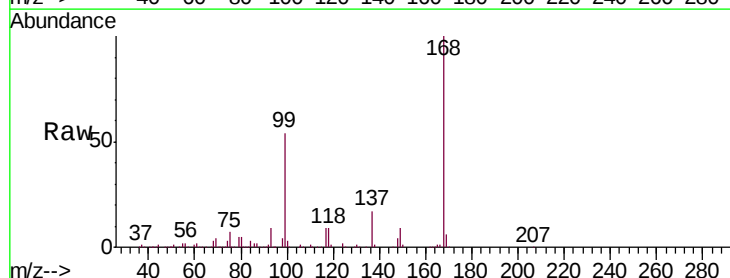
Tgt Ion: 117 Resp: 43849

Ion Ratio Lower Upper

117 100

119 6.5 78.0 117.0#

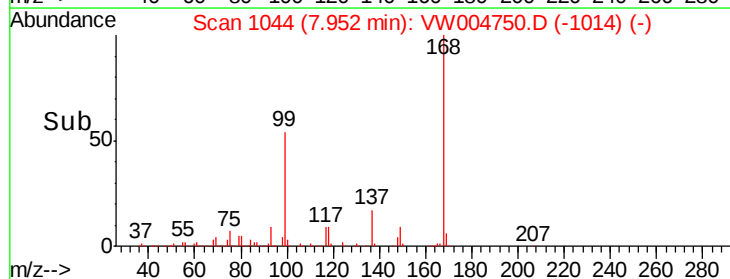
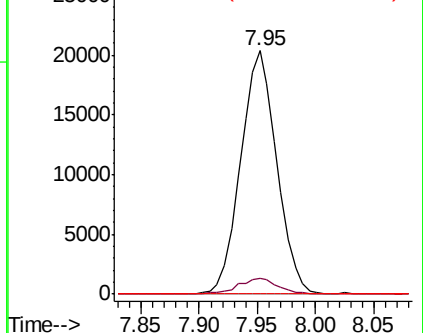
121 0.0 24.8 37.2#

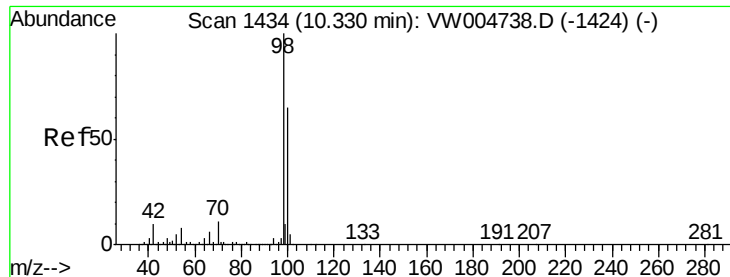


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 43.652 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004750.D

Acq: 17 Aug 2018 23:13

Instrument :

MSVOA_W

ClientSampleId :

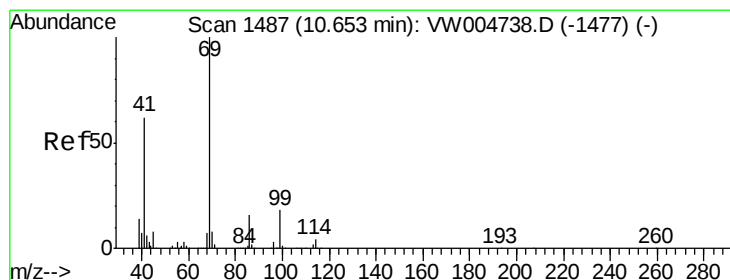
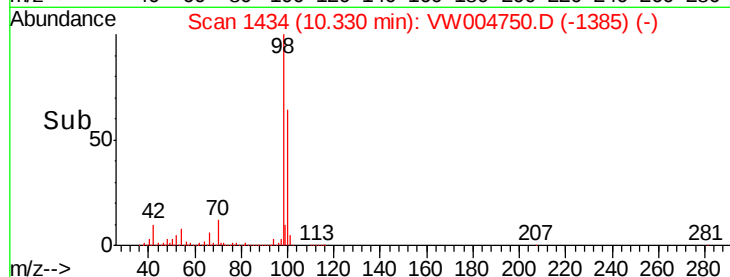
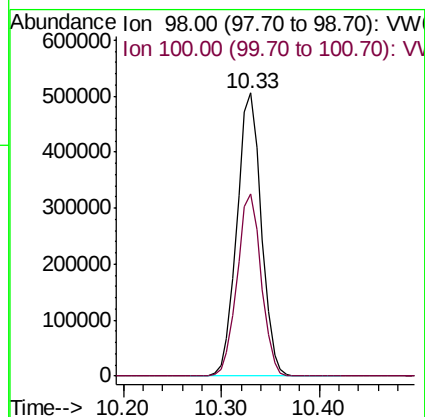
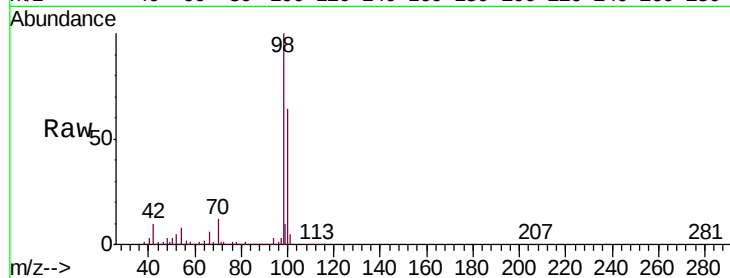
RA-080918-FL-001RE

Tgt Ion: 98 Resp: 875001

Ion Ratio Lower Upper

98 100

100 63.7 51.8 77.8



#56

Ethyl methacrylate

Concen: 3.024 ug/l

RT: 10.67 min Scan# 1490

Delta R.T. 0.02 min

Lab File: VW004750.D

Acq: 17 Aug 2018 23:13

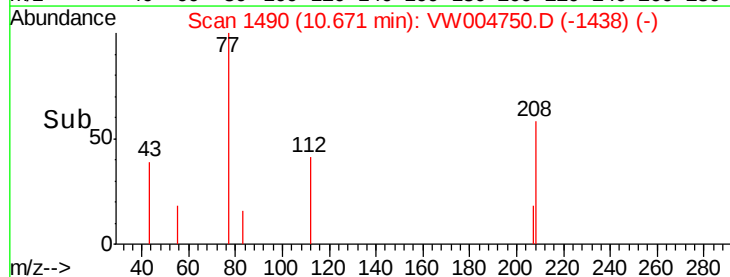
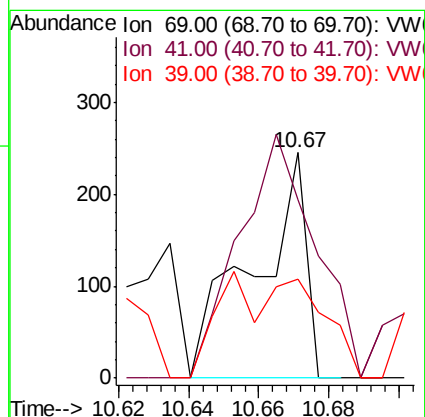
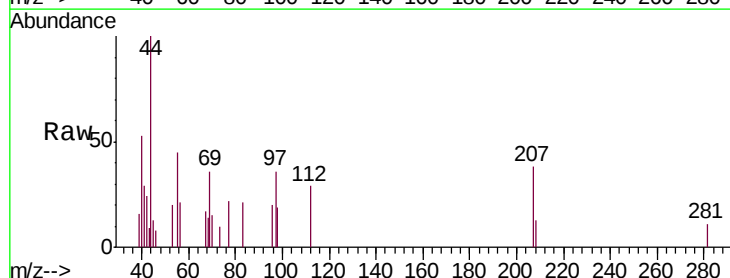
Tgt Ion: 69 Resp: 254

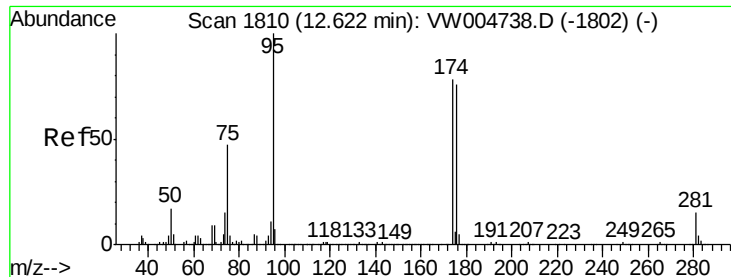
Ion Ratio Lower Upper

69 100

41 157.5 50.7 76.1#

39 35.0 21.4 32.2#





#62

4-Bromofluorobenzene

Concen: 35.876 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004750.D

Acq: 17 Aug 2018 23:13

Instrument :

MSVOA_W

ClientSampleId :

RA-080918-FL-001RE

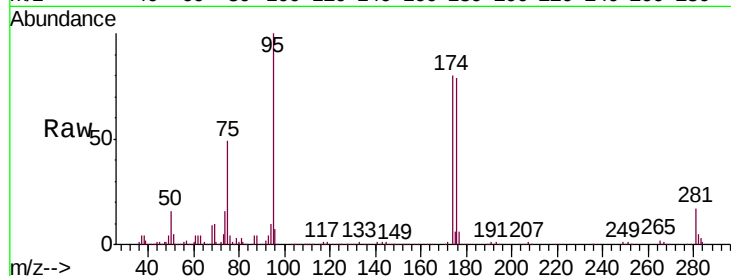
Tgt Ion: 95 Resp: 258717

Ion Ratio Lower Upper

95 100

174 84.3 0.0 165.8

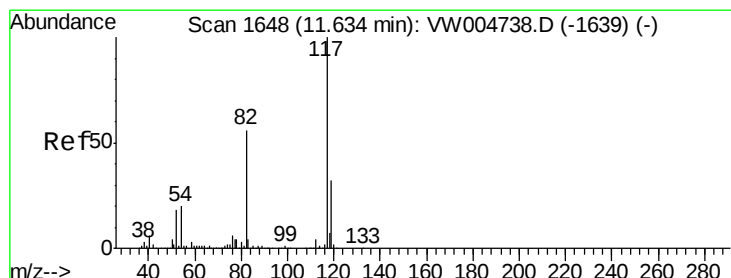
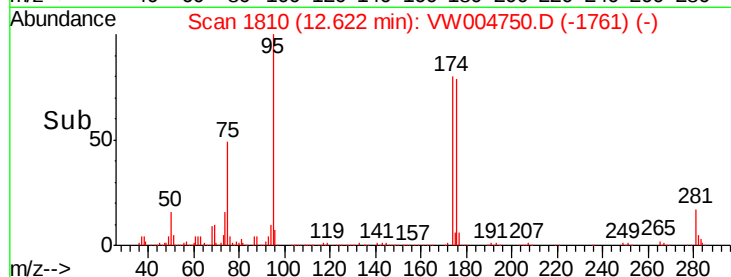
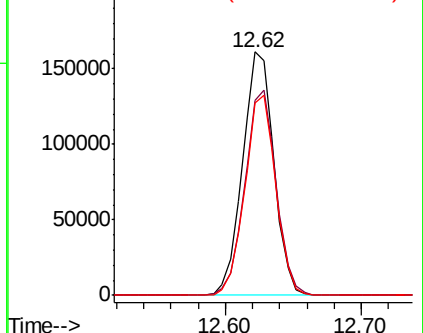
176 81.6 0.0 159.8



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VW004750.D

Acq: 17 Aug 2018 23:13

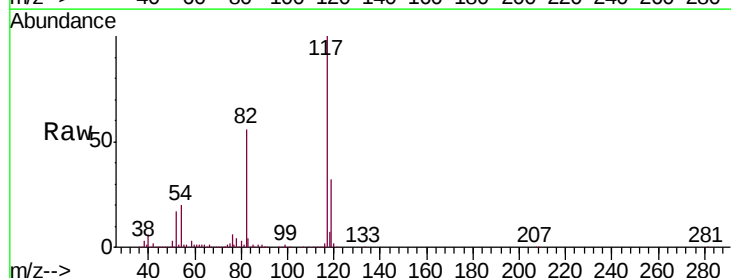
Tgt Ion: 117 Resp: 717509

Ion Ratio Lower Upper

117 100

82 56.4 44.6 67.0

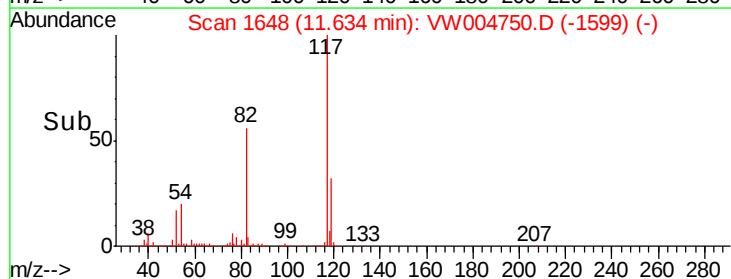
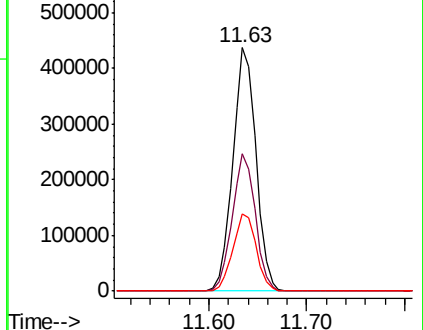
119 31.9 25.6 38.4

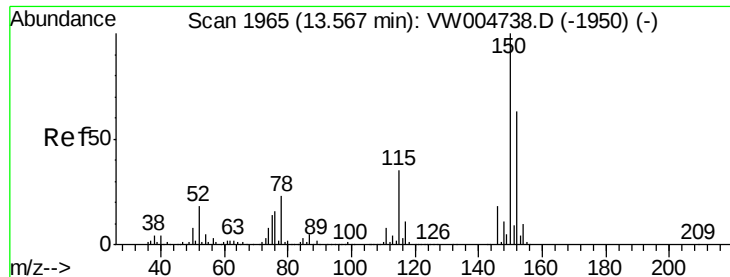


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW004750.D

Acq: 17 Aug 2018 23:13

Instrument :

MSVOA_W

ClientSampleId :

RA-080918-FL-001RE

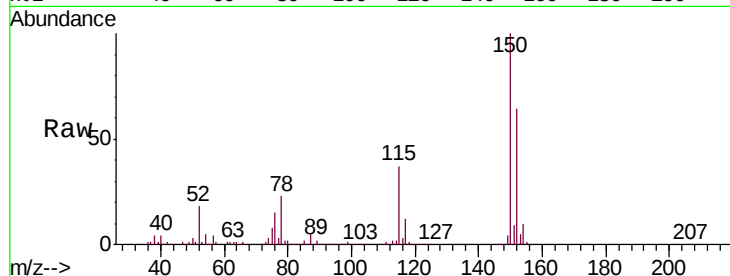
Tgt Ion:152 Resp: 290697

Ion Ratio Lower Upper

152 100

115 56.4 28.5 85.5

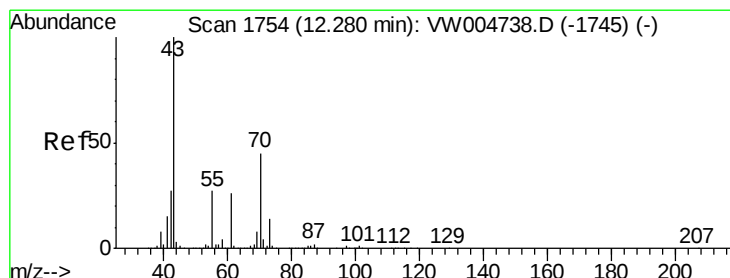
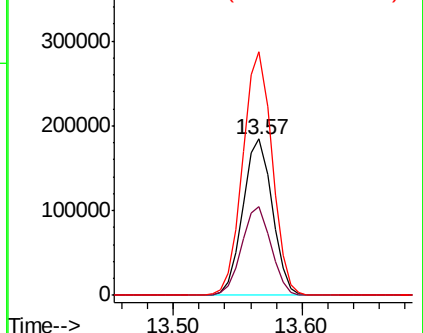
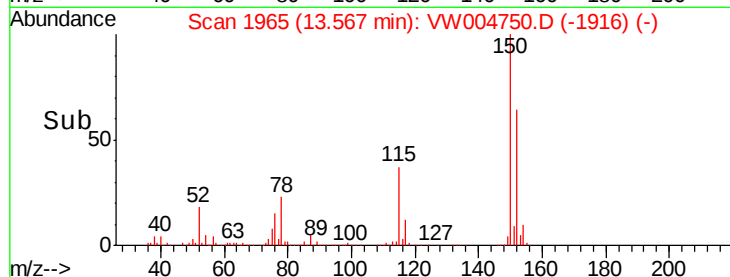
150 155.6 0.0 344.8



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



#74

N-ethyl acetate

Concen: 4.067 ug/l

RT: 12.29 min Scan# 1755

Delta R.T. 0.01 min

Lab File: VW004750.D

Acq: 17 Aug 2018 23:13

Tgt Ion: 43 Resp: 244

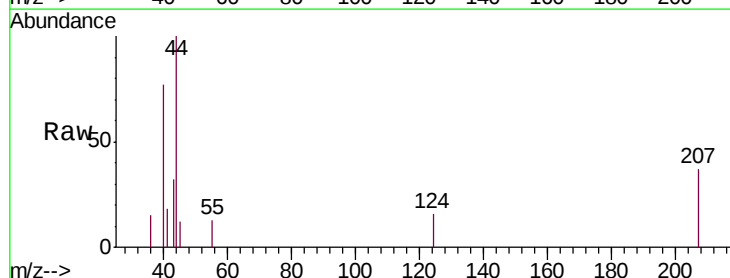
Ion Ratio Lower Upper

43 100

70 0.0 36.3 54.5#

55 0.0 22.6 33.8#

61 0.0 20.2 30.4#

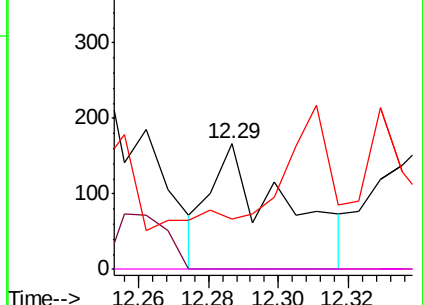
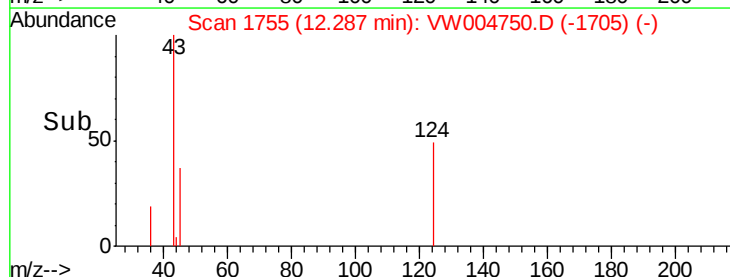


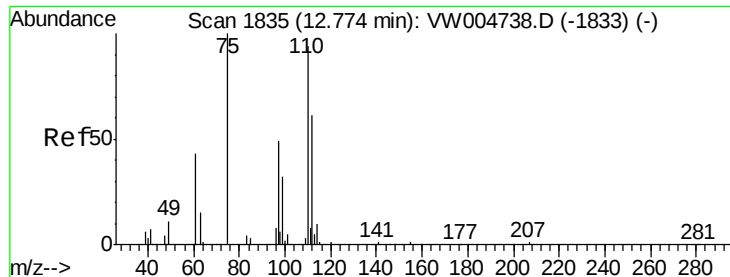
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

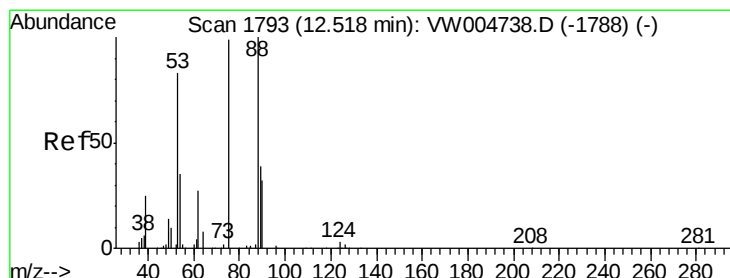
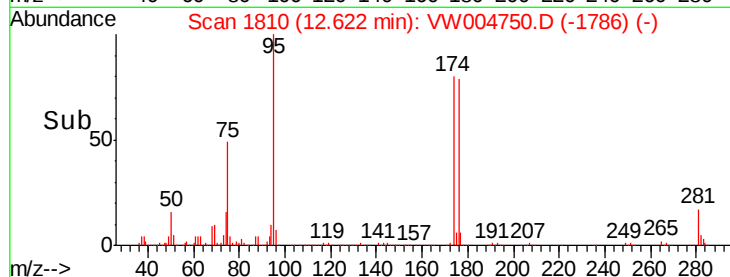
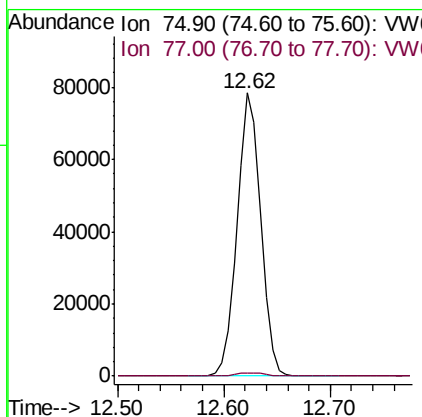
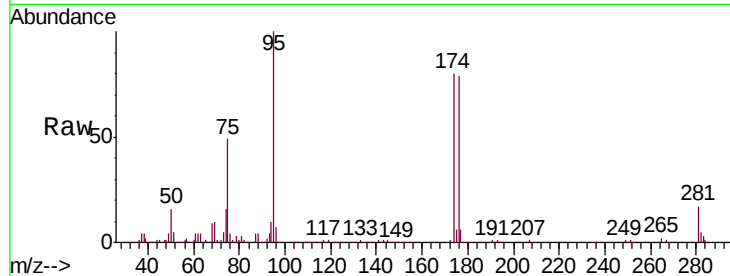




#76
 1,2,3-Trichloropropane
 Concen: 47.748 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.15 min
 Lab File: VW004750.D
 Acq: 17 Aug 2018 23:13

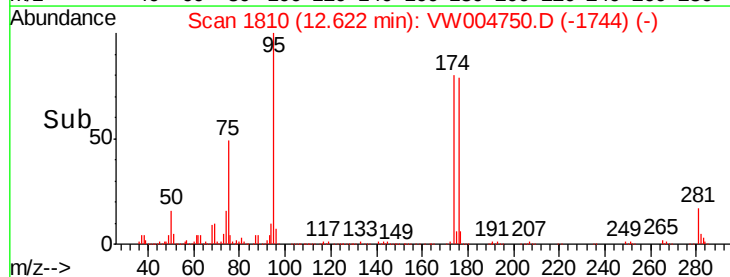
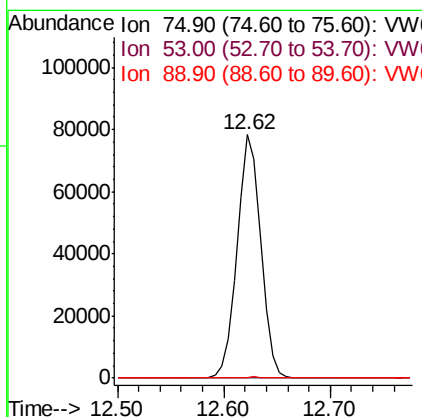
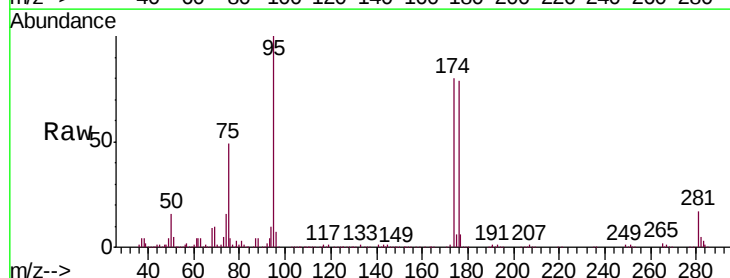
Instrument :
 MSVOA_W
 ClientSampleId :
 RA-080918-FL-001RE

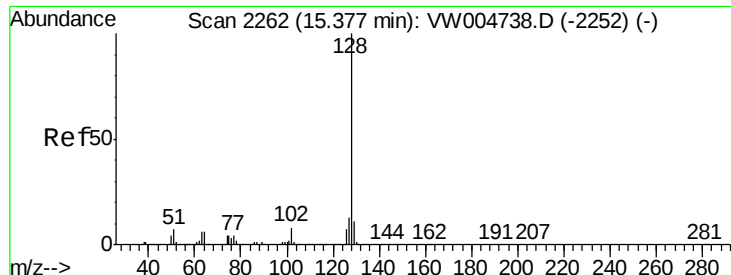
Tgt Ion: 75 Resp: 122356
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 110.978 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW004750.D
 Acq: 17 Aug 2018 23:13

Tgt Ion: 75 Resp: 122356
 Ion Ratio Lower Upper
 75 100
 53 0.4 72.2 108.4#
 89 0.2 35.2 52.8#





#95

Naphthalene

Concen: 3.673 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004750.D

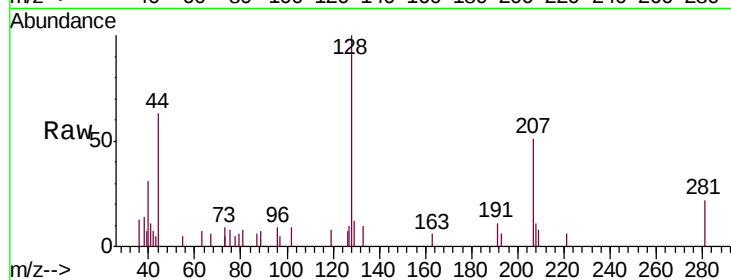
Acq: 17 Aug 2018 23:13

Instrument :

MSVOA_W

ClientSampleId :

RA-080918-FL-001RE



Tgt Ion:	128	Resp:	2127
Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.4	15.6
129	0.0	8.6	13.0

