

Data File : VW004845.D
Acq On : 21 Aug 2018 16:54
Operator : SY/AP
Sample : J4523-02RE
Misc : 5.37G/5ML/MSVOA_W/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WC-2RE

Quant Time: Aug 22 05:19:02 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	526338	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	695401	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	355228	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	208807	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	299008	58.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.52%	
35) Dibromofluoromethane	7.89	113	291704	65.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	131.26%	
50) Toluene-d8	10.33	98	339073	19.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.08%	
62) 4-Bromofluorobenzene	12.62	95	266906	42.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.52%	

Target Compounds

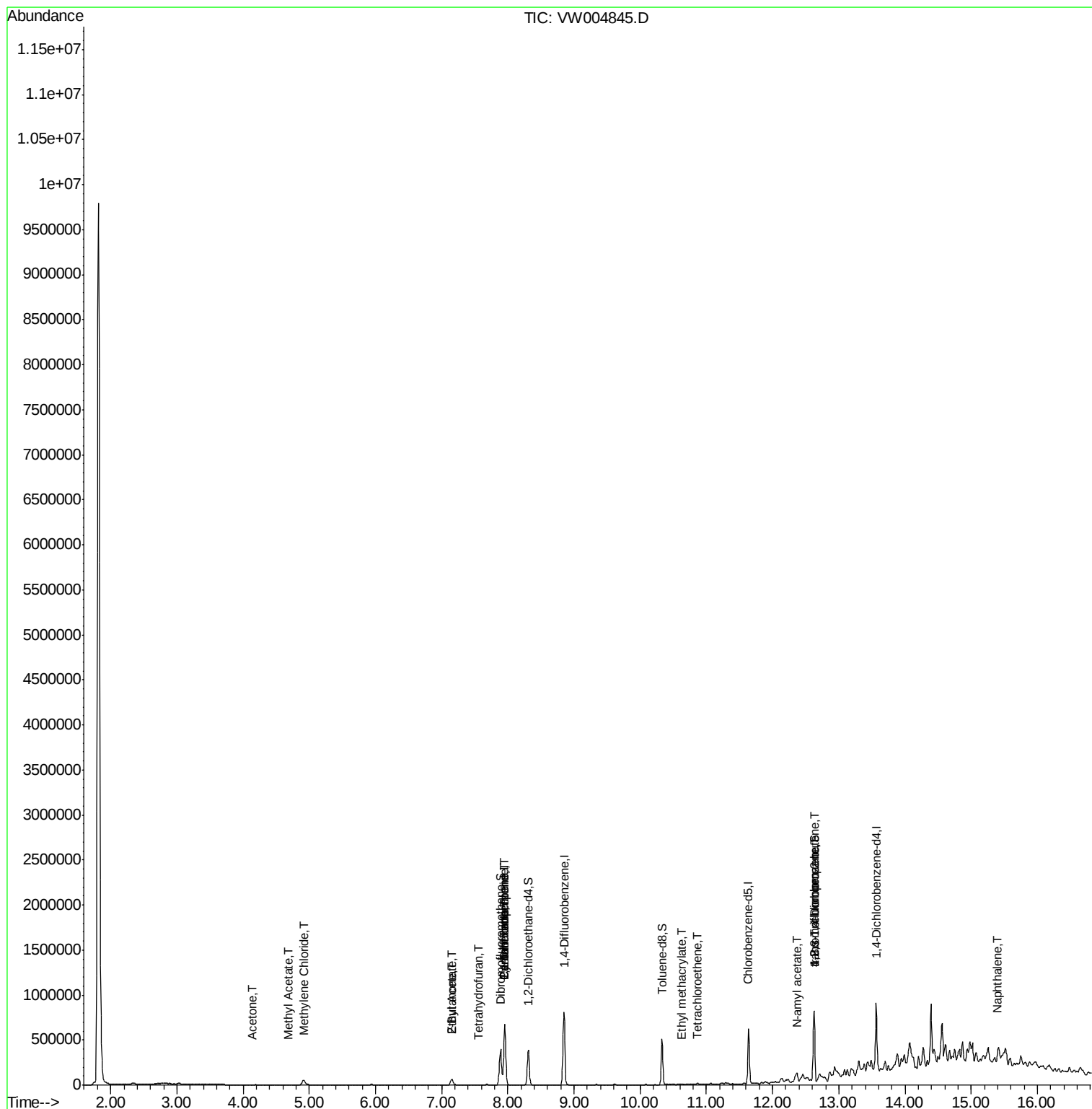
						Qvalue
16) Acetone	4.15	43	4349	3.348	ug/l	100
18) Methyl Acetate	4.68	43	7892	2.835	ug/l	92
20) Methylene Chloride	4.92	84	48528	4.232	ug/l	96
25) 2-Butanone	7.16	43	4530	2.448	ug/l #	66
29) Tetrahydrofuran	7.56	42	1187	1.258	ug/l #	40
31) Cyclohexane	7.96	56	10151	1.021	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	39703	5.542	ug/l #	49
37) Ethyl Acetate	7.16	43	4540	1.590	ug/l #	1
38) Carbon Tetrachloride	7.95	117	48961	7.425	ug/l #	17
56) Ethyl methacrylate	10.62	69	1979	3.377	ug/l #	40
64) Tetrachloroethene	10.87	164	2633	1.085	ug/l #	87
74) N-amyl acetate	12.37	43	23881	10.620	ug/l #	56
76) 1,2,3-Trichloropropane	12.62	75	123681	67.193	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	123681	156.175	ug/l #	14
95) Naphthalene	15.38	128	1455	3.665	ug/l #	40

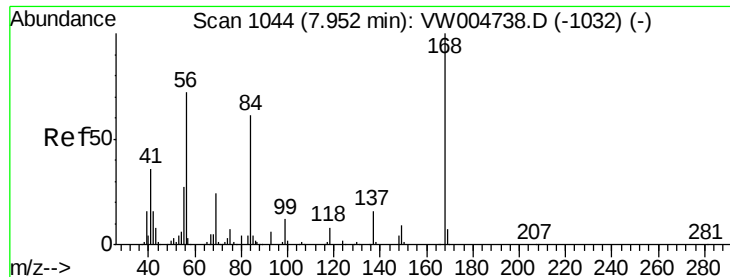
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW004845.D

Acq: 21 Aug 2018 16:54

Instrument :

MSVOA_W

ClientSampleId :

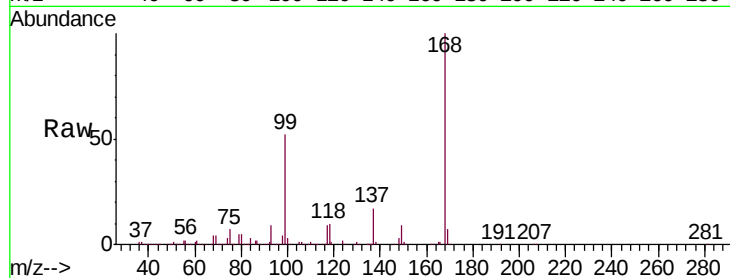
WC-2RE

Tgt Ion:168 Resp: 526338

Ion Ratio Lower Upper

168 100

99 52.3 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

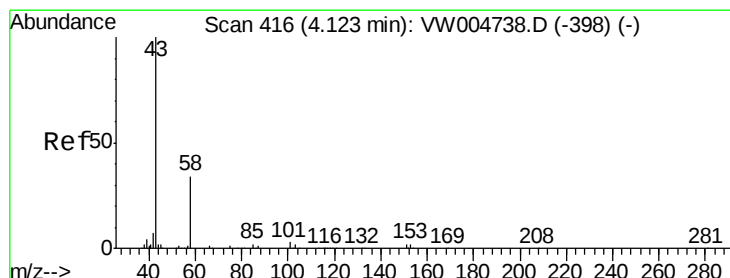
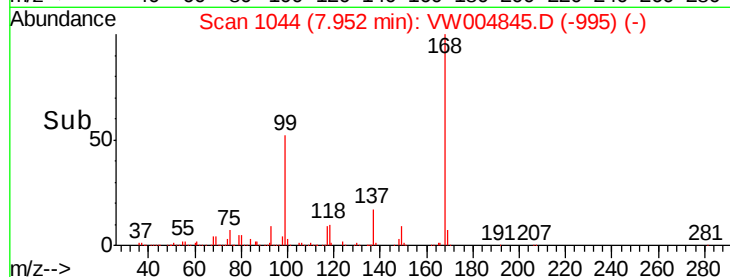
Time-->

7.80

7.90

8.00

8.10



#16

Acetone

Concen: 3.348 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.02 min

Lab File: VW004845.D

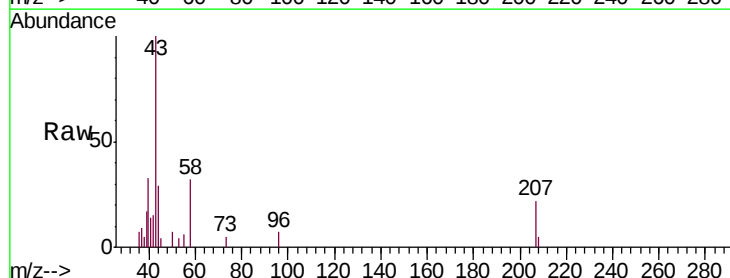
Acq: 21 Aug 2018 16:54

Tgt Ion: 43 Resp: 4349

Ion Ratio Lower Upper

43 100

58 34.2 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.15

1500

1000

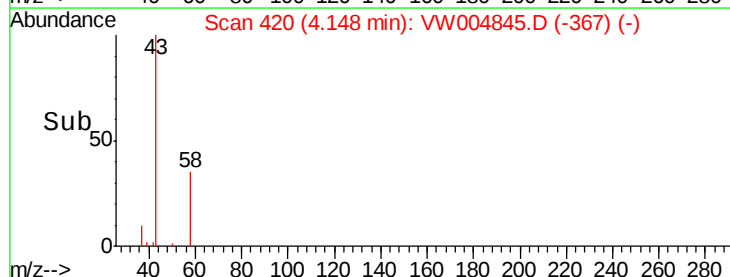
500

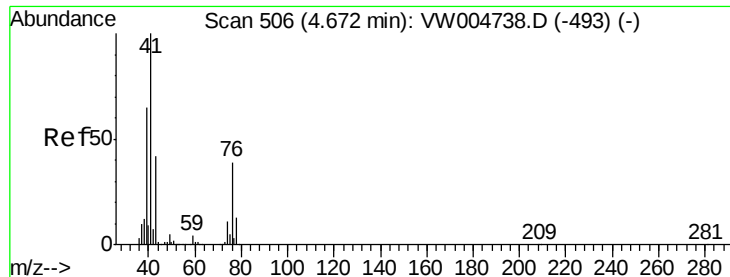
0

Time-->

4.10

4.20

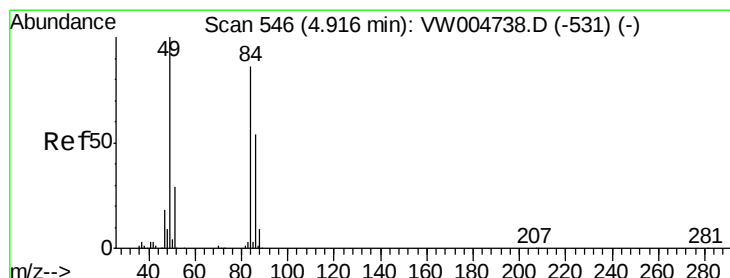
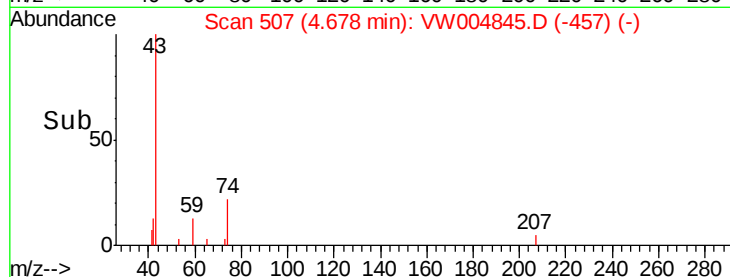
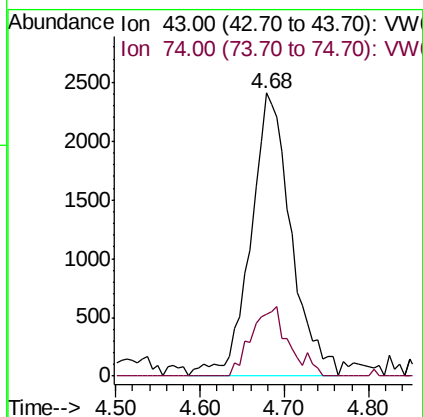
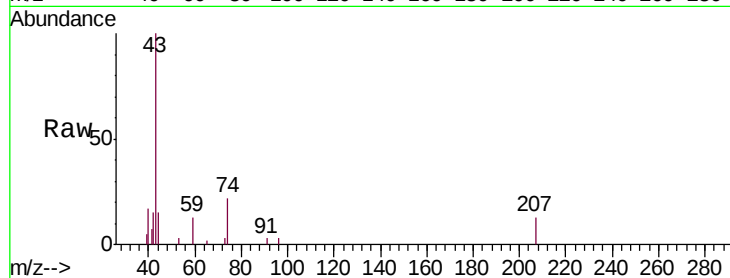




#18
Methyl Acetate
Concen: 2.835 ug/l
RT: 4.68 min Scan# 507
Delta R.T. 0.01 min
Lab File: VW004845.D
Acq: 21 Aug 2018 16:54

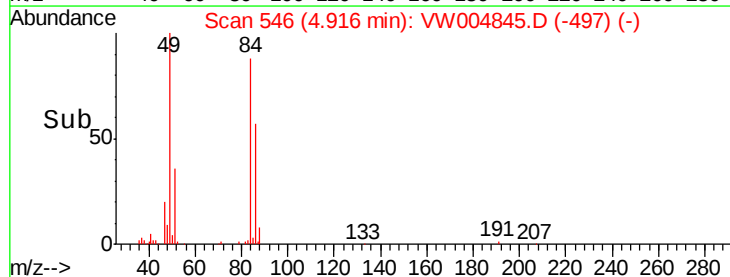
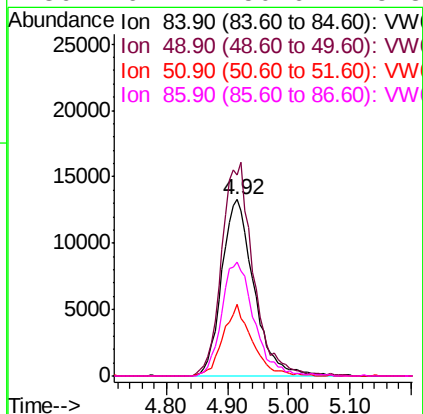
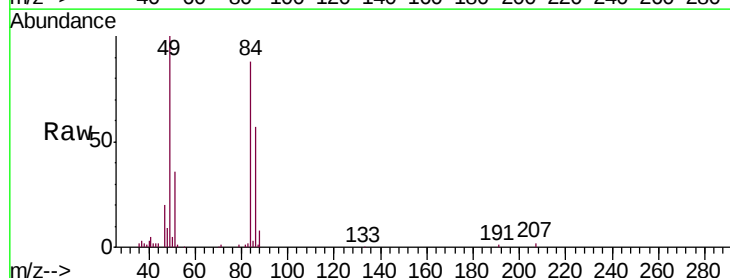
Instrument :
MSVOA_W
ClientSampled :
WC-2RE

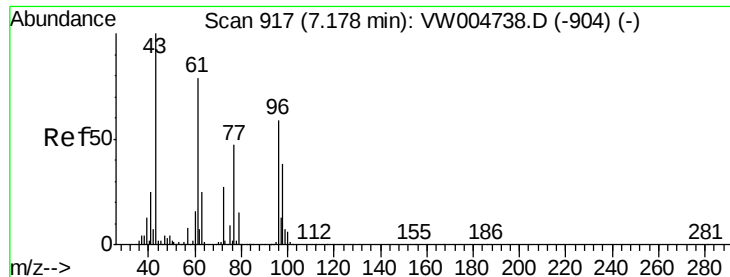
Tgt Ion: 43 Resp: 7892
Ion Ratio Lower Upper
43 100
74 21.0 19.8 29.8



#20
Methylene Chloride
Concen: 4.232 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.00 min
Lab File: VW004845.D
Acq: 21 Aug 2018 16:54

Tgt Ion: 84 Resp: 48528
Ion Ratio Lower Upper
84 100
49 113.6 93.2 139.8
51 40.7 27.4 41.0
86 64.7 50.6 75.8

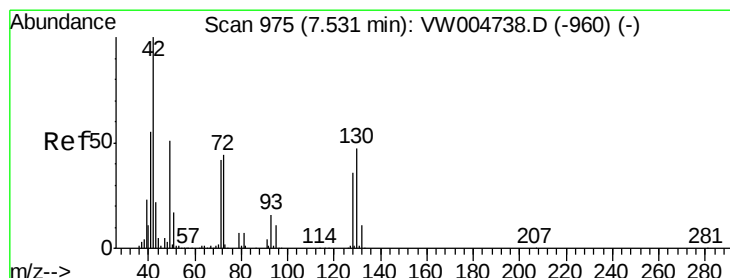
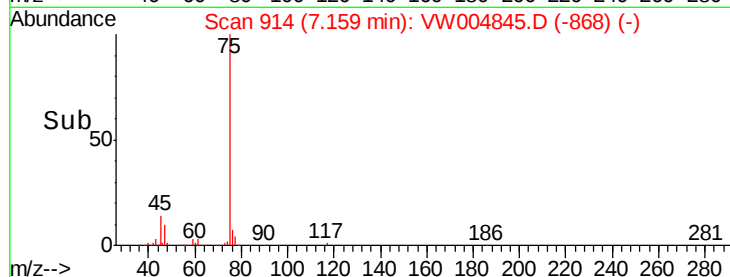
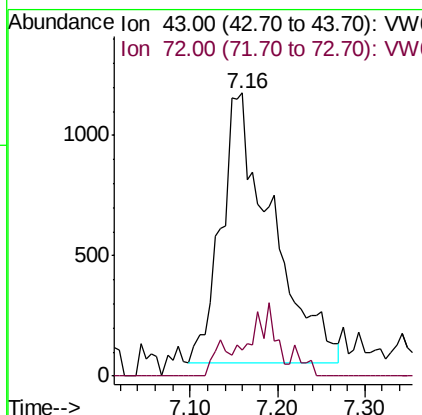
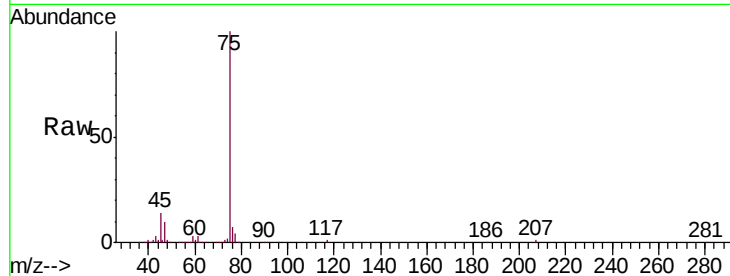




#25
 2-Butanone
 Concen: 2.448 ug/l
 RT: 7.16 min Scan# 914
 Delta R.T. -0.02 min
 Lab File: VW004845.D
 Acq: 21 Aug 2018 16:54

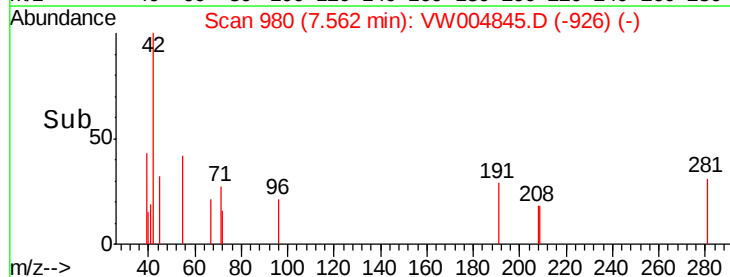
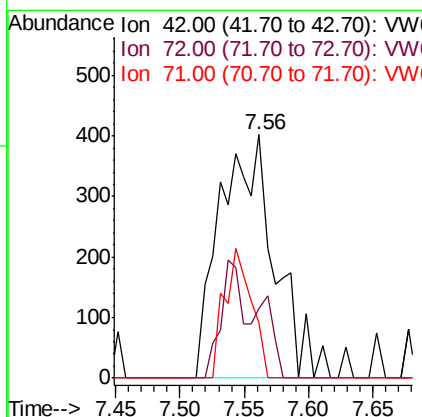
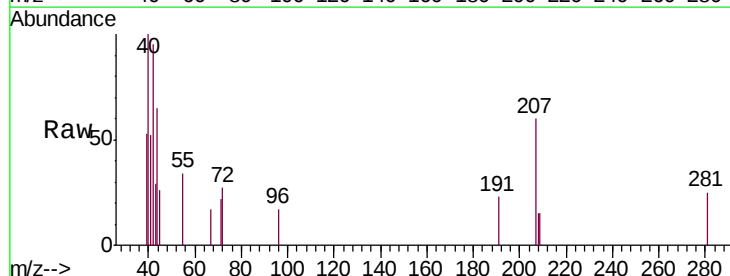
Instrument :
 MSVOA_W
 ClientSampleId :
 WC-2RE

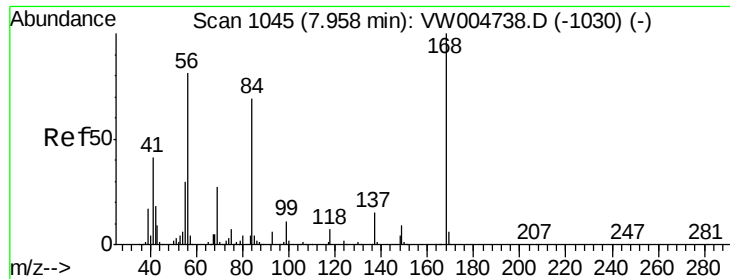
Tgt Ion: 43 Resp: 4530
 Ion Ratio Lower Upper
 43 100
 72 9.6 22.0 33.0#



#29
 Tetrahydrofuran
 Concen: 1.258 ug/l
 RT: 7.56 min Scan# 980
 Delta R.T. 0.03 min
 Lab File: VW004845.D
 Acq: 21 Aug 2018 16:54

Tgt Ion: 42 Resp: 1187
 Ion Ratio Lower Upper
 42 100
 72 9.6 34.9 52.3#
 71 0.0 33.8 50.6#

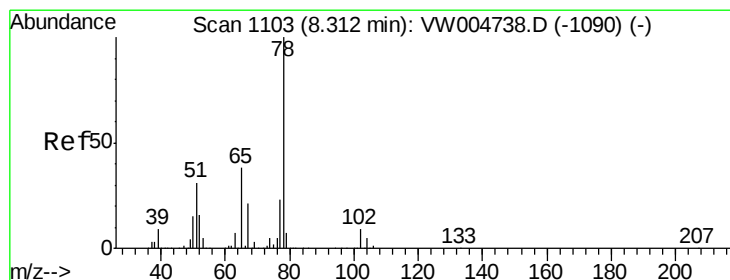
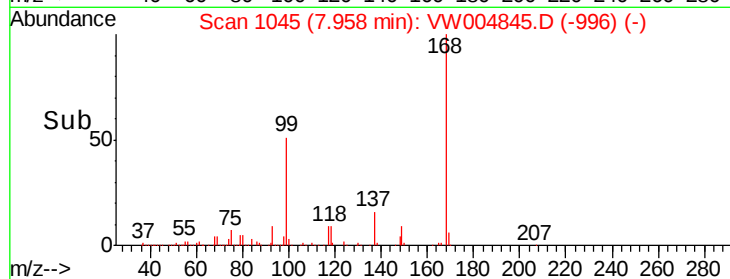
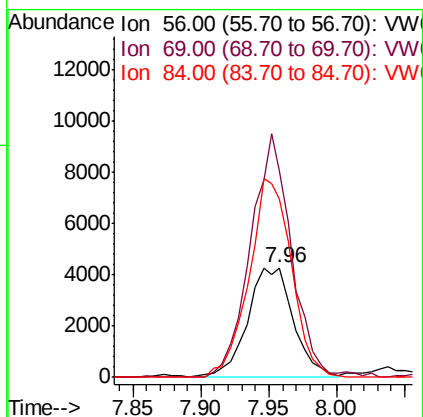
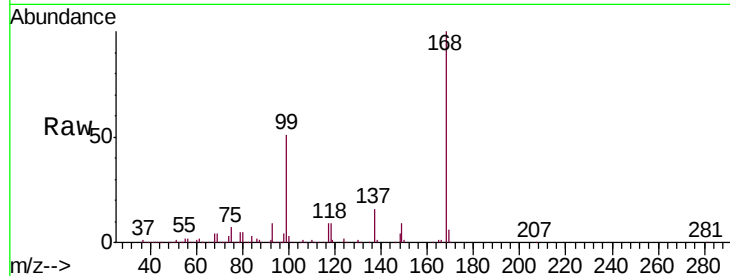




#31
Cyclohexane
Concen: 1.021 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW004845.D
Acq: 21 Aug 2018 16:54

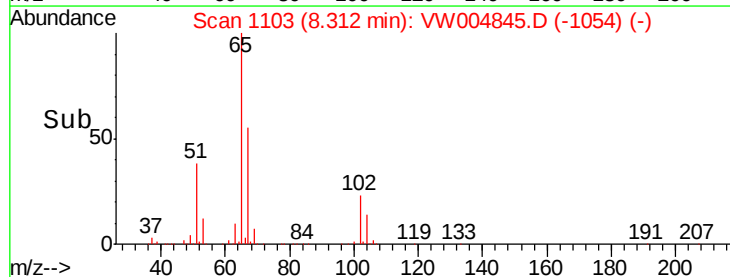
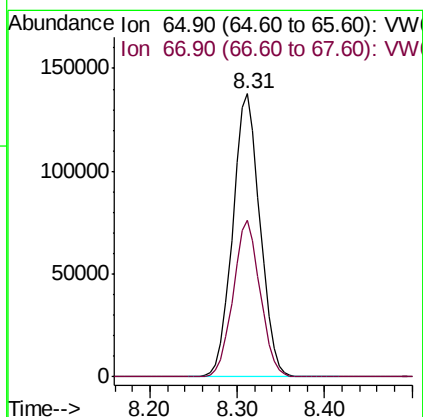
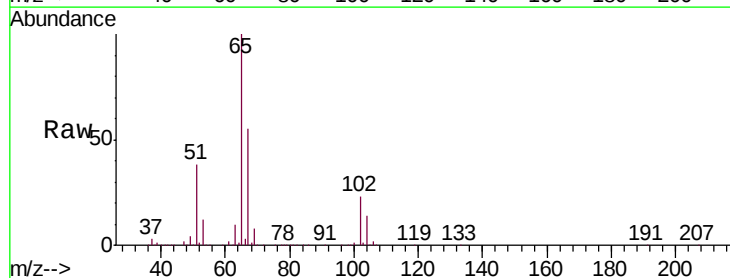
Instrument :
MSVOA_W
ClientSampleId :
WC-2RE

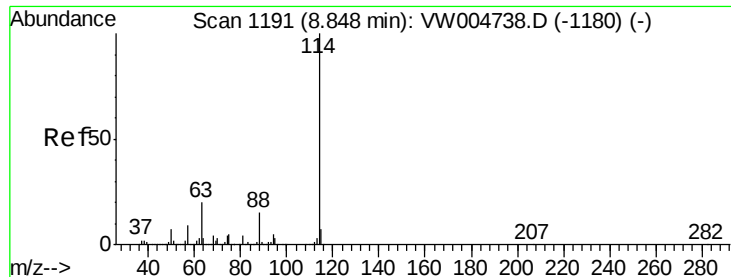
Tgt Ion: 56 Resp: 10151
Ion Ratio Lower Upper
56 100
69 188.3 27.1 40.7#
84 162.5 68.3 102.5#



#33
1,2-Dichloroethane-d4
Concen: 58.760 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VW004845.D
Acq: 21 Aug 2018 16:54

Tgt Ion: 65 Resp: 299008
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: VW004845.D

Acq: 21 Aug 2018 16:54

Instrument :

MSVOA_W

ClientSampleId :

WC-2RE

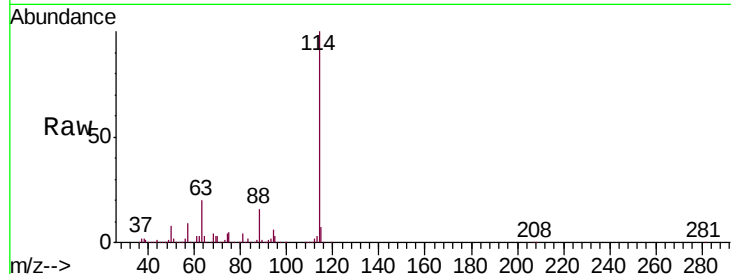
Tgt Ion:114 Resp: 695401

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.0

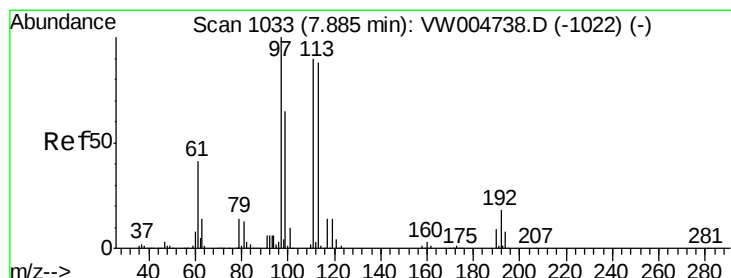
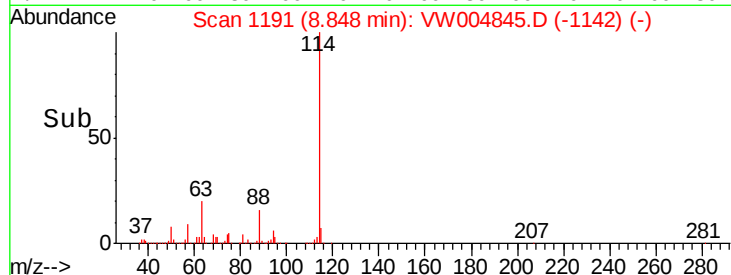
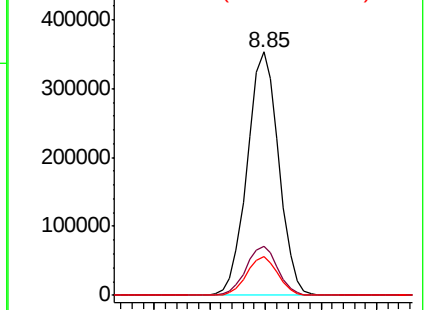
88 16.1 0.0 30.0



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: 65.632 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. 0.01 min

Lab File: VW004845.D

Acq: 21 Aug 2018 16:54

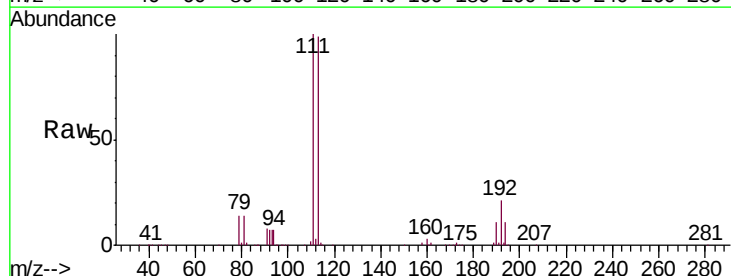
Tgt Ion:113 Resp: 291704

Ion Ratio Lower Upper

113 100

111 102.4 82.4 123.6

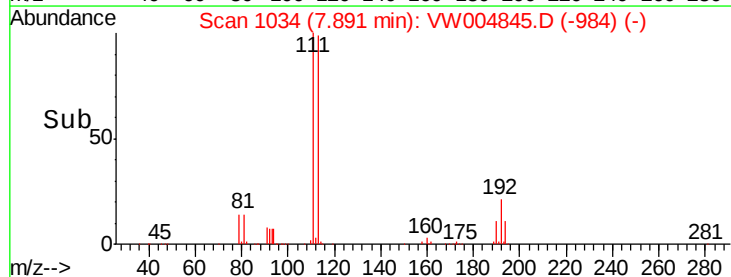
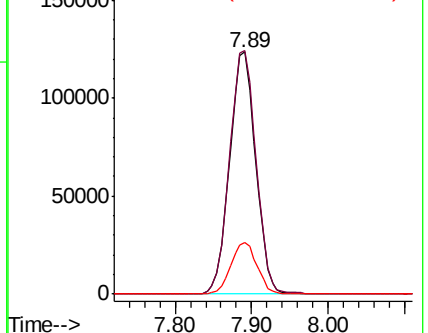
192 21.2 16.7 25.1

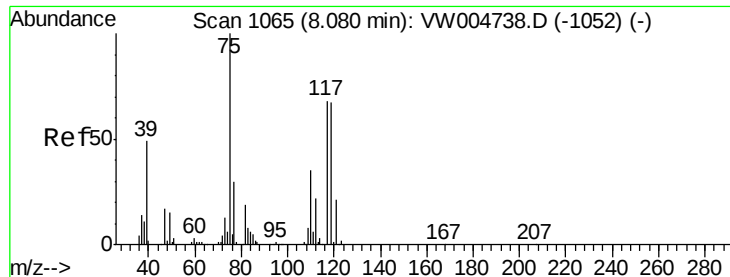


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

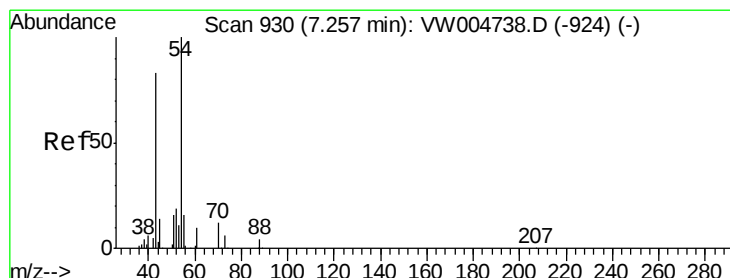
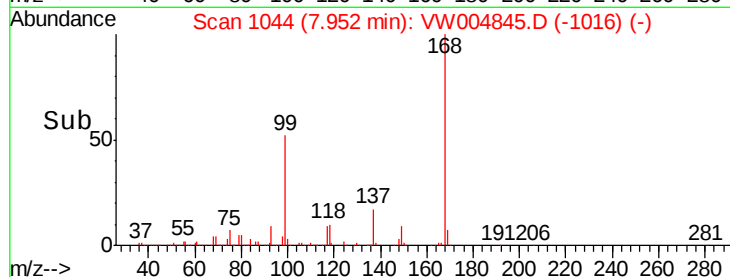
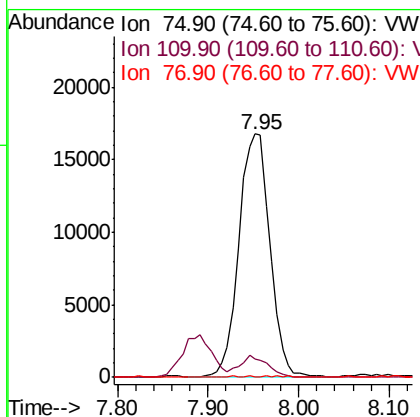
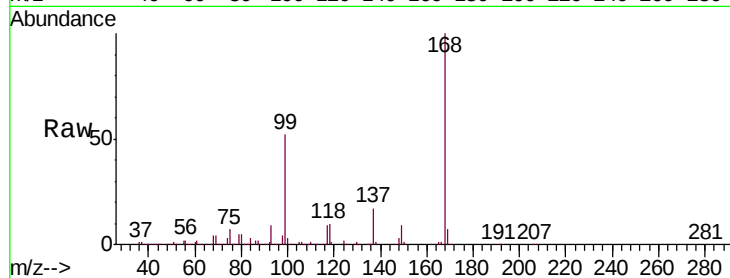




#36
 1,1-Dichloropropene
 Concen: 5.542 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW004845.D
 Acq: 21 Aug 2018 16:54

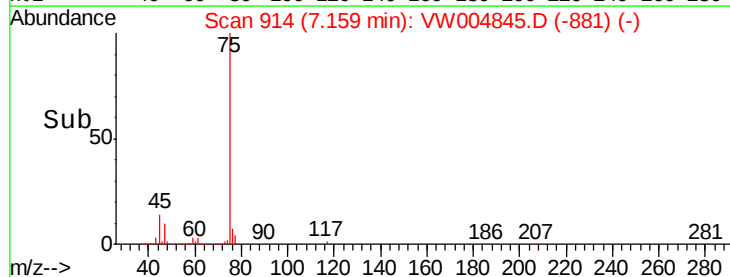
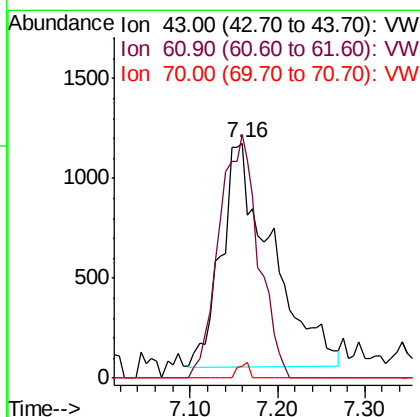
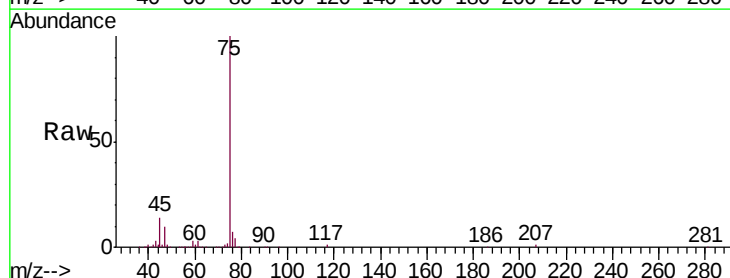
Instrument :
 MSVOA_W
 ClientSampled :
 WC-2RE

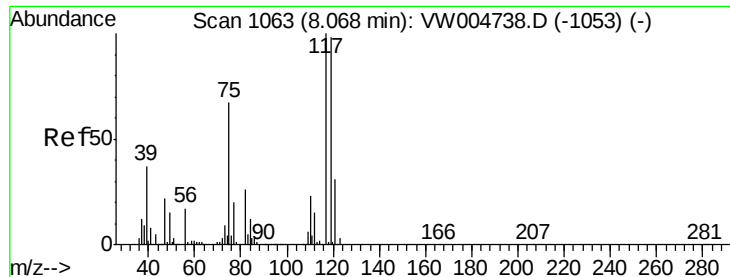
Tgt Ion: 75 Resp: 39703
 Ion Ratio Lower Upper
 75 100
 110 8.1 17.8 53.5#
 77 0.3 24.9 37.3#



#37
 Ethyl Acetate
 Concen: 1.590 ug/l
 RT: 7.16 min Scan# 914
 Delta R.T. -0.10 min
 Lab File: VW004845.D
 Acq: 21 Aug 2018 16:54

Tgt Ion: 43 Resp: 4540
 Ion Ratio Lower Upper
 43 100
 61 83.9 11.6 17.4#
 70 1.5 9.2 13.8#





#38

Carbon Tetrachloride

Concen: 7.425 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004845.D

Acq: 21 Aug 2018 16:54

Instrument :

MSVOA_W

ClientSampleId :

WC-2RE

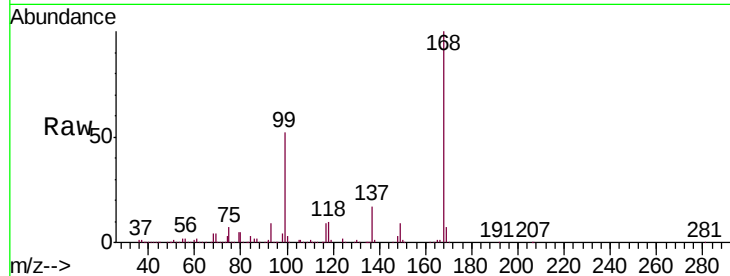
Tgt Ion:117 Resp: 48961

Ion Ratio Lower Upper

117 100

119 7.1 78.0 117.0#

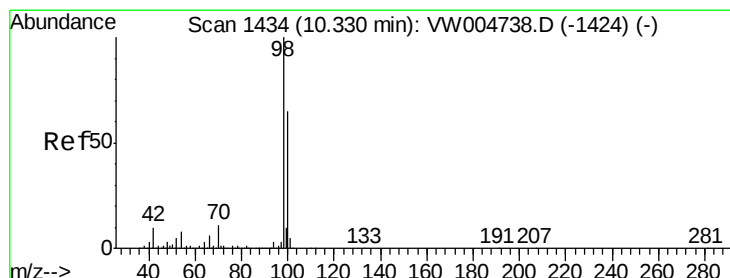
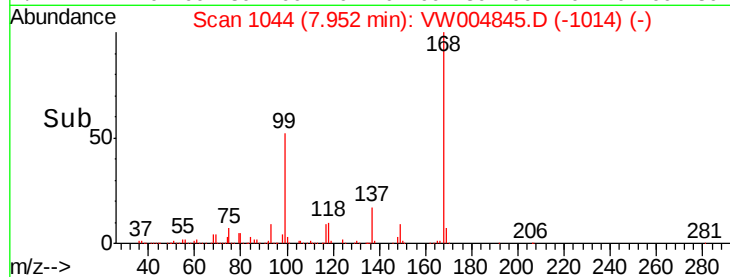
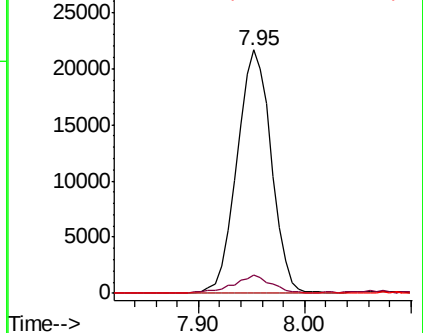
121 0.0 24.8 37.2#



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: 19.543 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004845.D

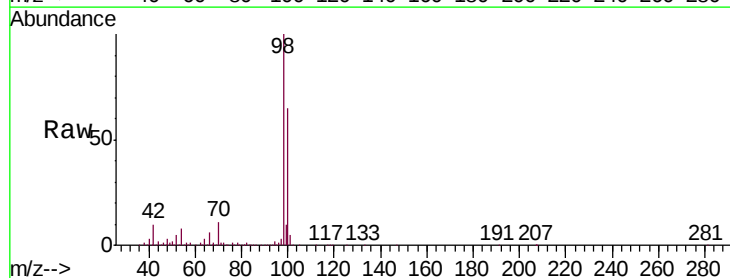
Acq: 21 Aug 2018 16:54

Tgt Ion: 98 Resp: 339073

Ion Ratio Lower Upper

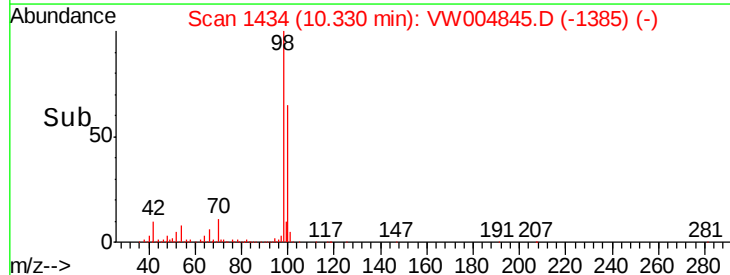
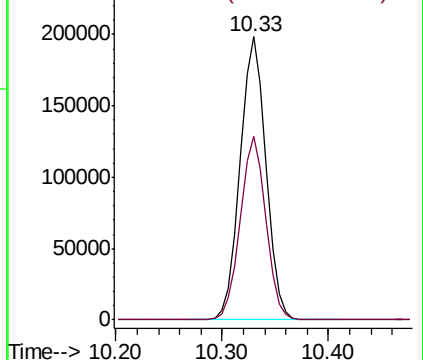
98 100

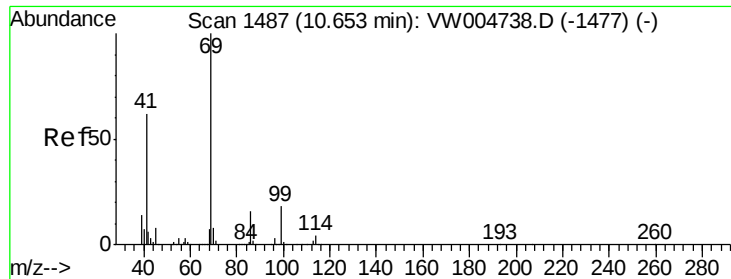
100 64.2 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

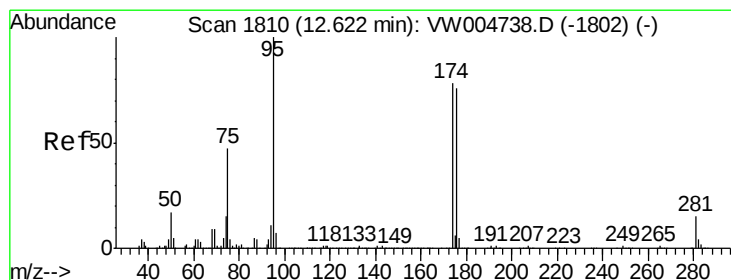
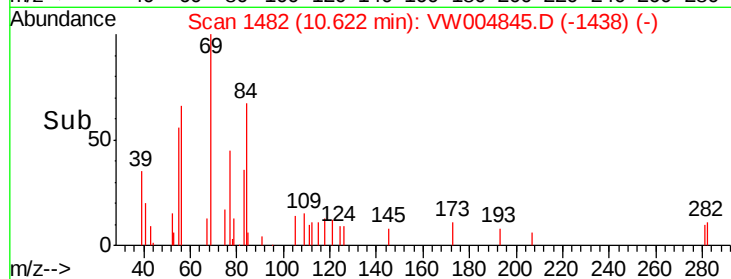
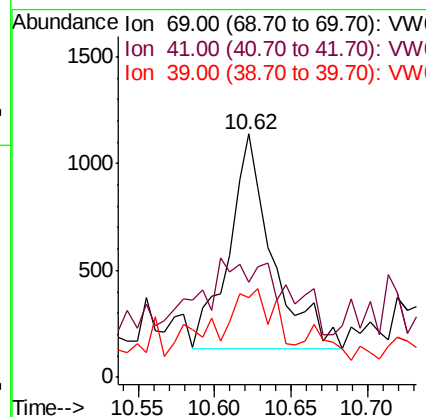
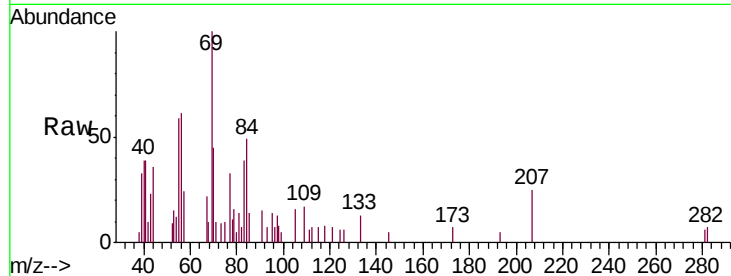




#56
 Ethyl methacrylate
 Concen: 3.377 ug/l
 RT: 10.62 min Scan# 1482
 Delta R.T. -0.03 min
 Lab File: VW004845.D
 Acq: 21 Aug 2018 16:54

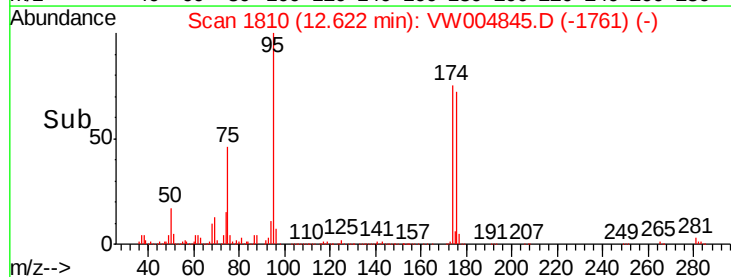
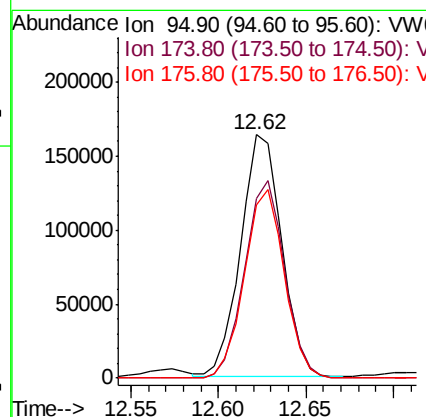
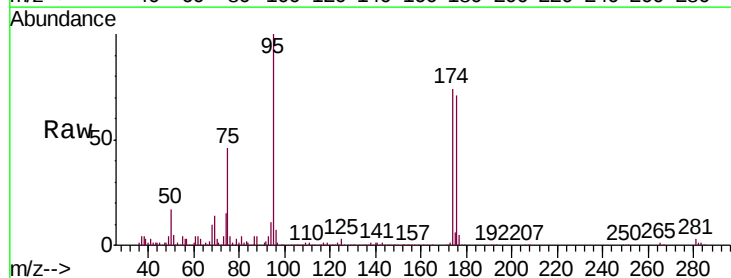
Instrument :
 MSVOA_W
 ClientSampleId :
 WC-2RE

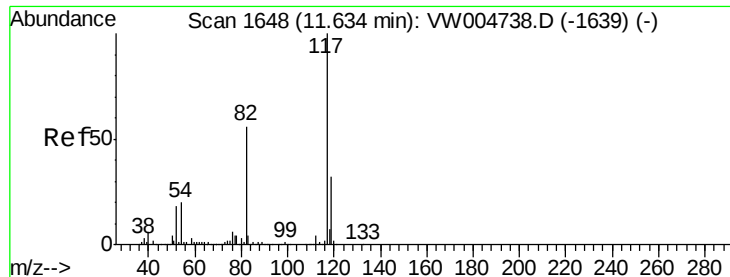
Tgt Ion: 69 Resp: 1979
 Ion Ratio Lower Upper
 69 100
 41 0.0 50.7 76.1#
 39 22.0 21.4 32.2



#62
 4-Bromofluorobenzene
 Concen: 42.761 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VW004845.D
 Acq: 21 Aug 2018 16:54

Tgt Ion: 95 Resp: 266906
 Ion Ratio Lower Upper
 95 100
 174 79.6 0.0 165.8
 176 75.9 0.0 159.8

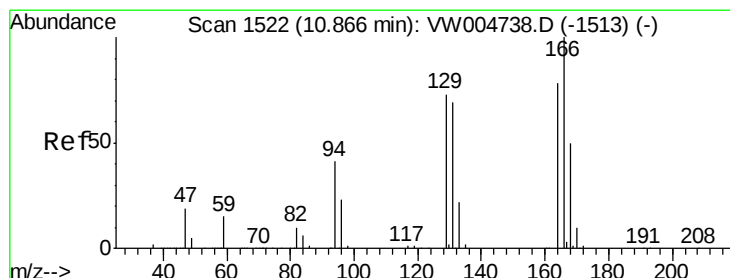
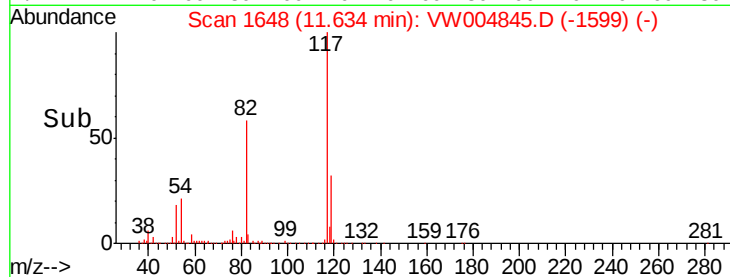
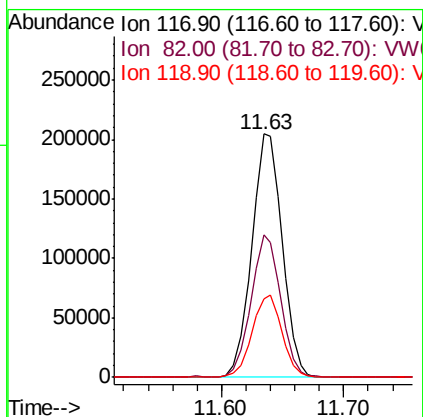
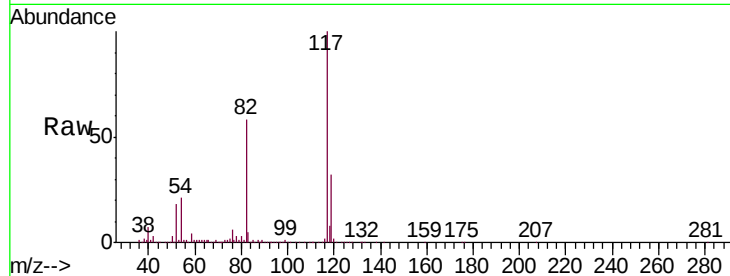




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004845.D
Acq: 21 Aug 2018 16:54

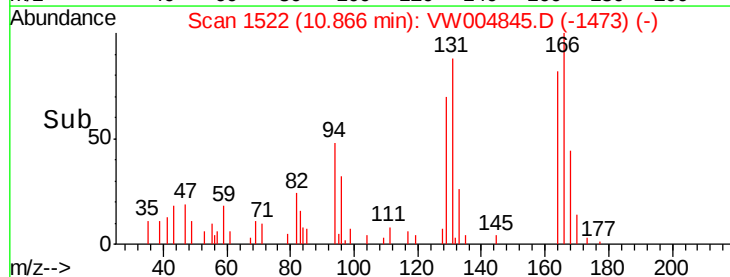
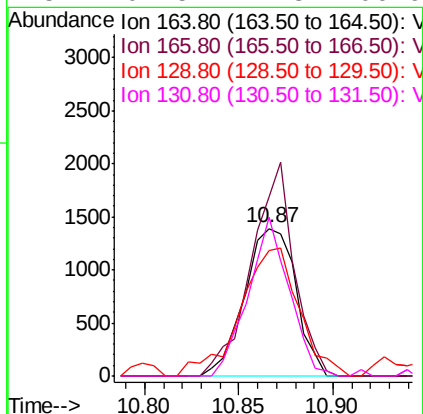
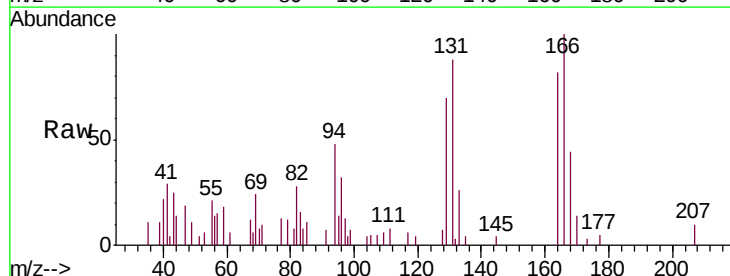
Instrument :
MSVOA_W
ClientSampled :
WC-2RE

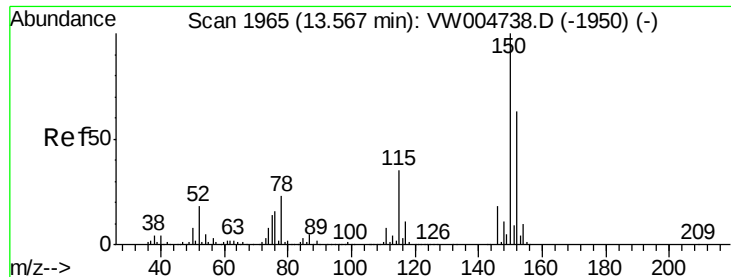
Tgt Ion:117 Resp: 355228
Ion Ratio Lower Upper
117 100
82 58.1 44.6 67.0
119 32.3 25.6 38.4



#64
Tetrachloroethene
Concen: 1.085 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW004845.D
Acq: 21 Aug 2018 16:54

Tgt Ion:164 Resp: 2633
Ion Ratio Lower Upper
164 100
166 121.5 102.5 153.7
129 78.1 75.1 112.7
131 107.5 71.3 106.9#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW004845.D

Acq: 21 Aug 2018 16:54

Instrument :

MSVOA_W

ClientSampleId :

WC-2RE

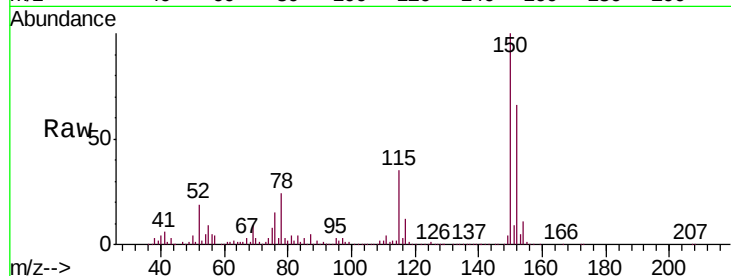
Tgt Ion:152 Resp: 208807

Ion Ratio Lower Upper

152 100

115 55.1 28.5 85.5

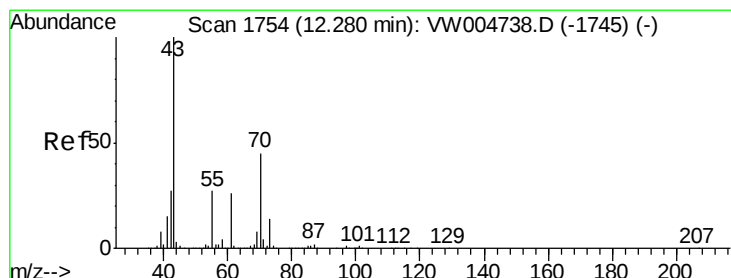
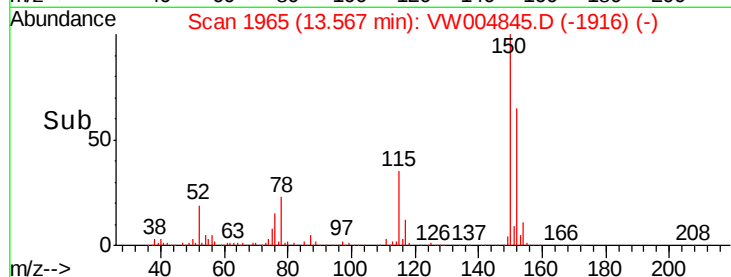
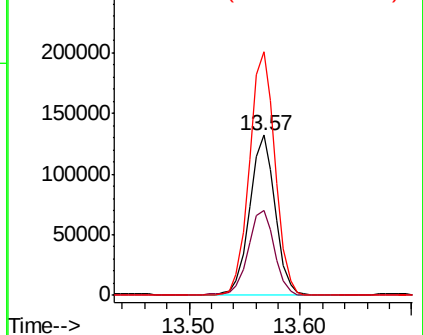
150 153.5 0.0 344.8



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: 10.620 ug/l

RT: 12.37 min Scan# 1769

Delta R.T. 0.09 min

Lab File: VW004845.D

Acq: 21 Aug 2018 16:54

Tgt Ion: 43 Resp: 23881

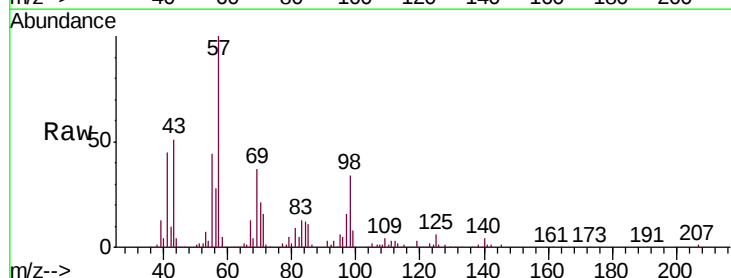
Ion Ratio Lower Upper

43 100

70 48.4 36.3 54.5

55 81.4 22.6 33.8#

61 0.0 20.2 30.4#

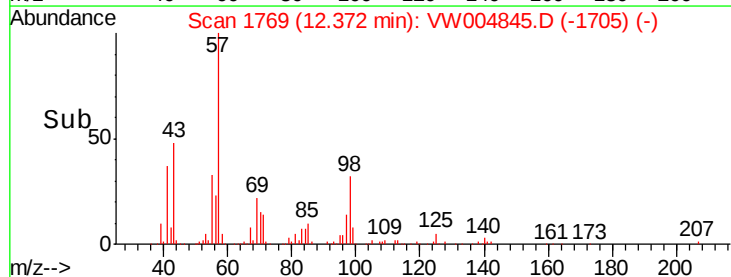
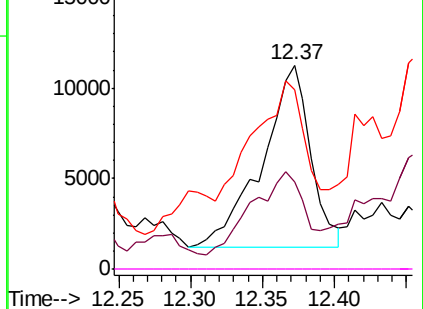


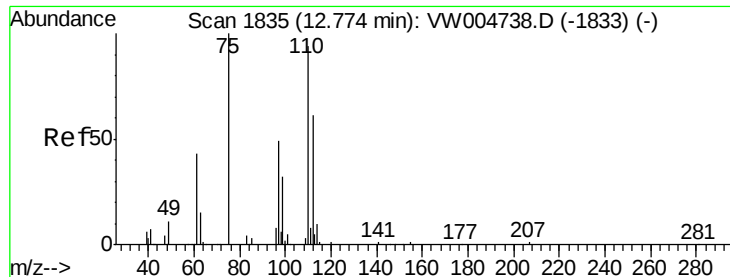
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 67.193 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004845.D

Acq: 21 Aug 2018 16:54

Instrument :

MSVOA_W

ClientSampleId :

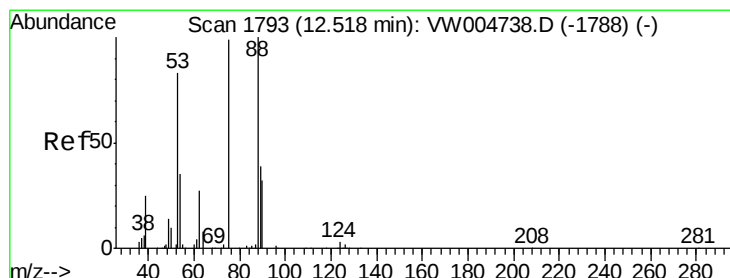
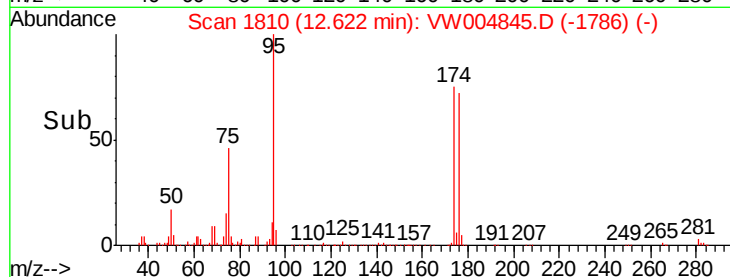
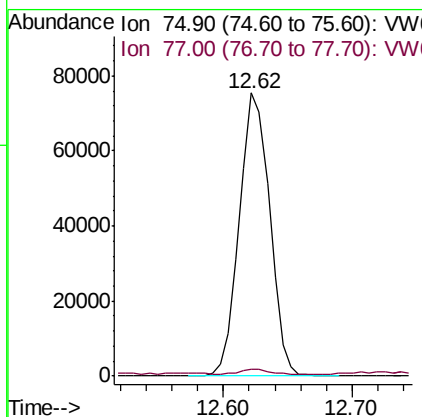
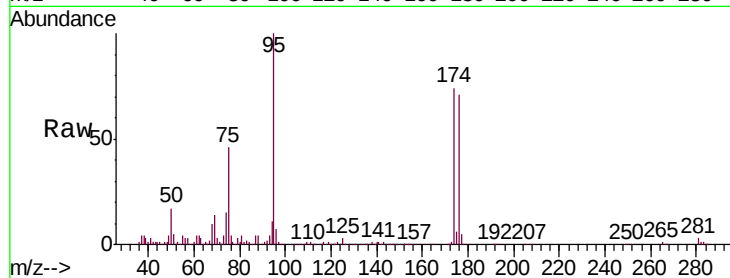
WC-2RE

Tgt Ion: 75 Resp: 123681

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 156.175 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004845.D

Acq: 21 Aug 2018 16:54

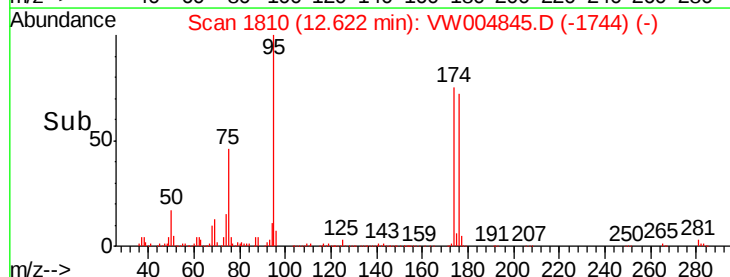
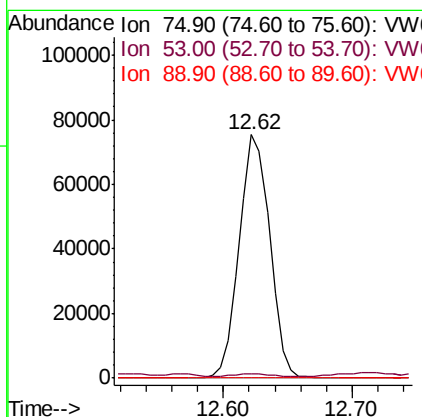
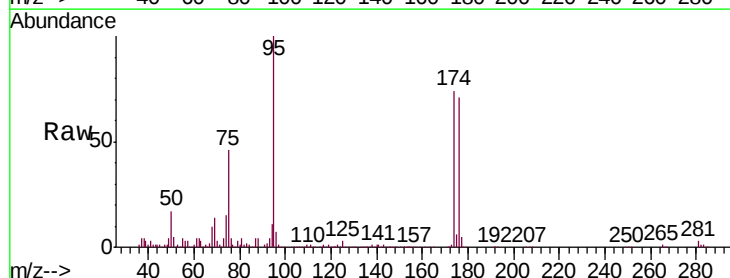
Tgt Ion: 75 Resp: 123681

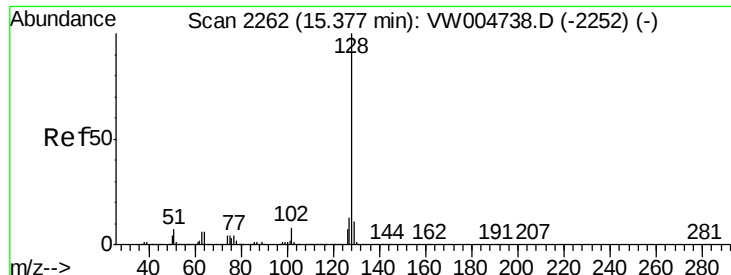
Ion Ratio Lower Upper

75 100

53 1.6 72.2 108.4#

89 0.0 35.2 52.8#





#95

Naphthalene

Concen: 3.665 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. 0.01 min

Lab File: VW004845.D

Acq: 21 Aug 2018 16:54

Instrument :

MSVOA_W

ClientSampleId :

WC-2RE

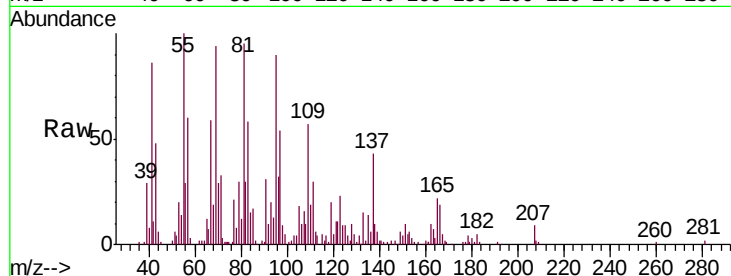
Tgt Ion:128 Resp: 1455

Ion Ratio Lower Upper

128 100

127 47.6 10.4 15.6#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

