

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012918\
 Data File : VW001142.D
 Acq On : 30 Jan 2018 01:21
 Operator : JC/SY
 Sample : J1288-04RE
 Misc : 6.57G/5.0ML/MSVOA_W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EPE-108-4(84-86)RE

Quant Time: Jan 30 02:14:16 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012918S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 30 01:11:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	24880	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	41174	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	26312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	4468	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	33297	137.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	275.32%	
35) Dibromofluoromethane	7.88	113	13773	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	
50) Toluene-d8	10.33	98	52477	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	
62) 4-Bromofluorobenzene	12.63	95	8719	23.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	46.68%	

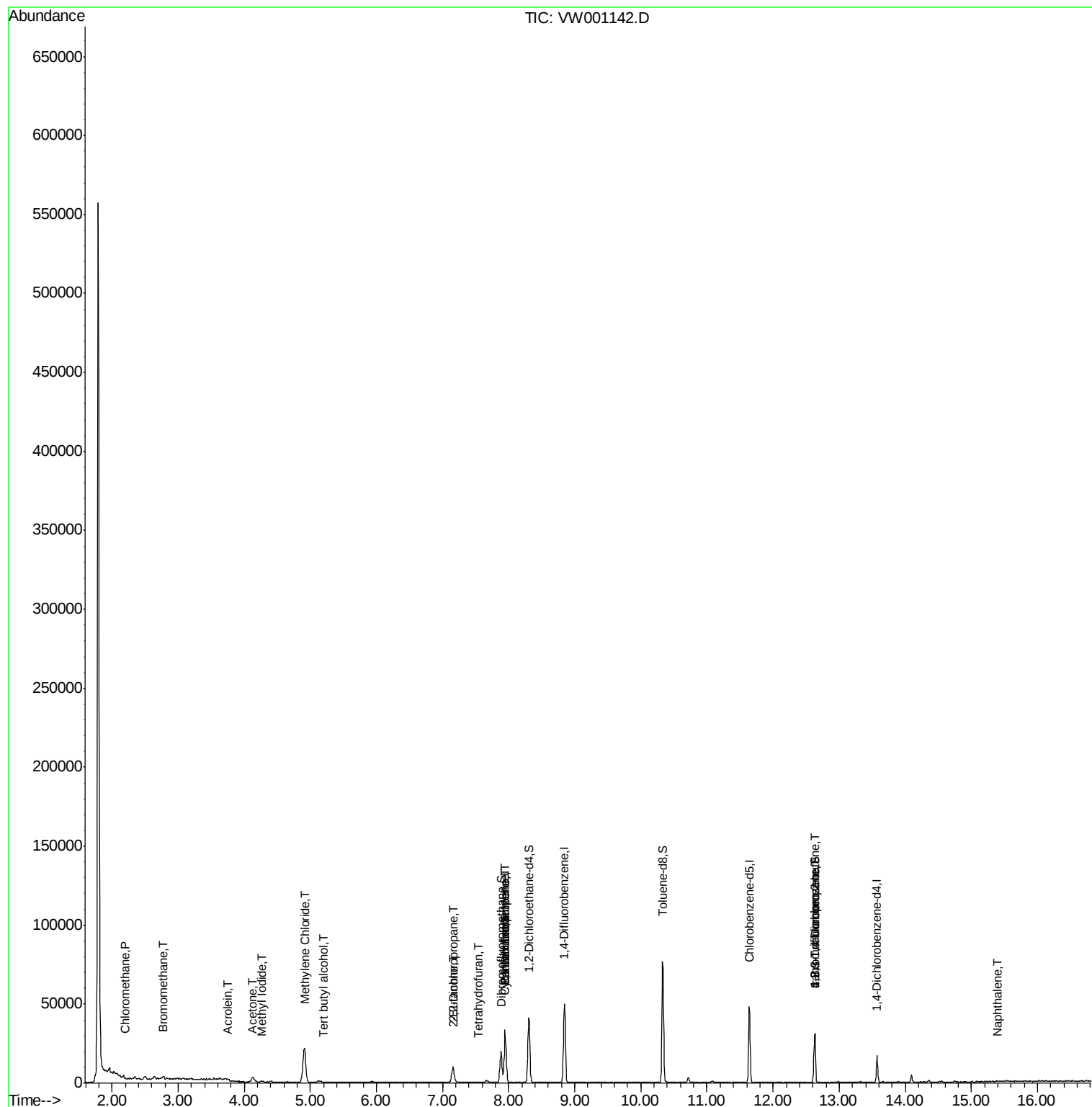
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	441	2.39	ug/l #	69
5) Bromomethane	2.77	94	886	2.71	ug/l	82
10) Methyl Iodide	4.26	142	1237	5.17	ug/l #	83
11) Tert butyl alcohol	5.20	59	189	9.73	ug/l #	73
13) Acrolein	3.75	56	50	1.60	ug/l #	13
16) Acetone	4.12	43	4991	78.48	ug/l	90
18) Methyl Acetate	4.68	43	41	Below Cal	#	50
20) Methylene Chloride	4.91	84	16540	80.12	ug/l	95
25) 2-Butanone	7.18	43	424	5.08	ug/l #	46
26) 2,2-Dichloropropane	7.15	77	654	1.79	ug/l #	52
29) Tetrahydrofuran	7.54	42	67	1.41	ug/l #	31
31) Cyclohexane	7.93	56	718	2.00	ug/l #	37
36) 1,1-Dichloropropene	7.95	75	1920	5.17	ug/l #	43
38) Carbon Tetrachloride	7.95	117	2661	6.41	ug/l #	12
76) 1,2,3-Trichloropropane	12.63	75	4277	94.45	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	4277	248.35	ug/l #	12
95) Naphthalene	15.40	128	451	2.37	ug/l #	76

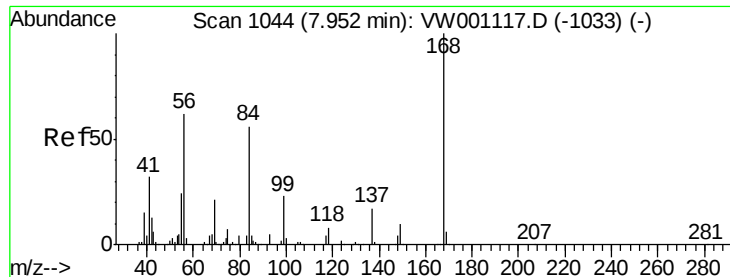
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW001142.D

Acq: 30 Jan 2018 01:21

Instrument :

MSVOA_W

ClientSampleId :

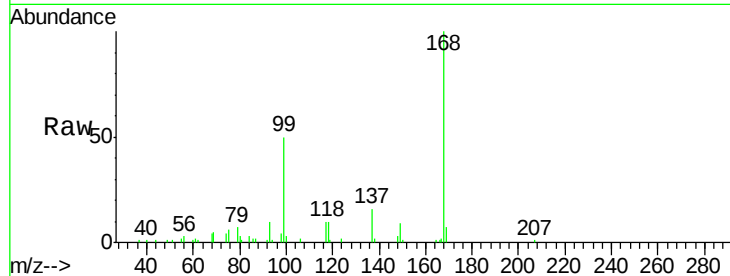
EPE-108-4(84-86)RE

Tgt Ion:168 Resp: 24880

Ion Ratio Lower Upper

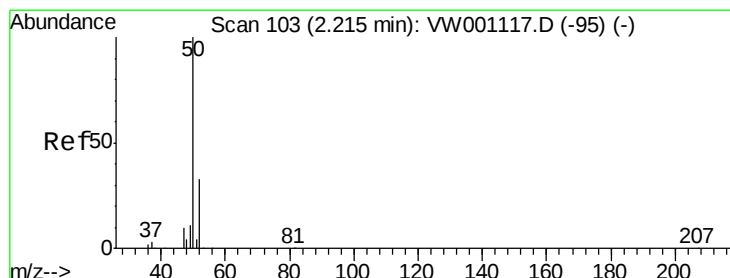
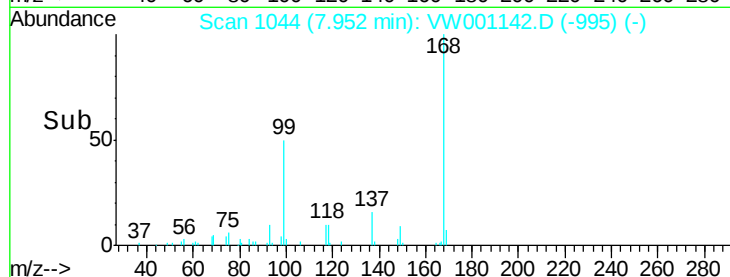
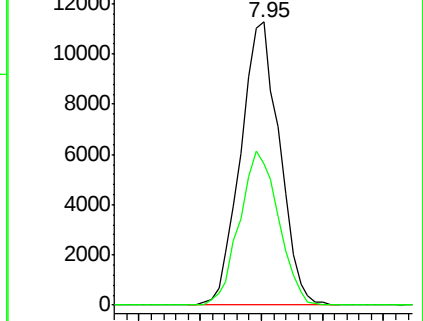
168 100

99 49.8 42.4 63.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#3

Chloromethane

Concen: 2.39 ug/l

RT: 2.21 min Scan# 102

Delta R.T. -0.01 min

Lab File: VW001142.D

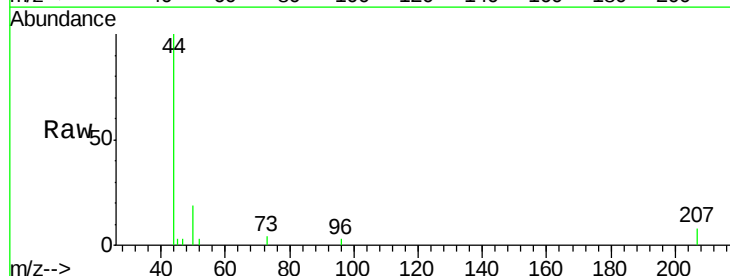
Acq: 30 Jan 2018 01:21

Tgt Ion: 50 Resp: 441

Ion Ratio Lower Upper

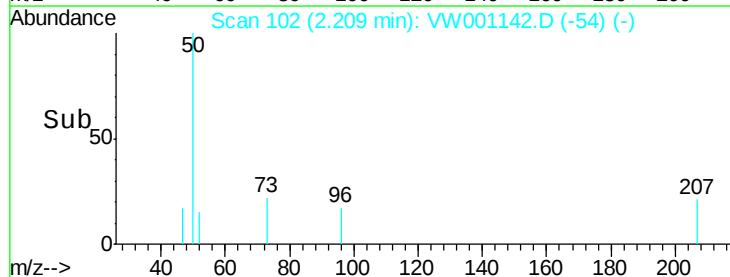
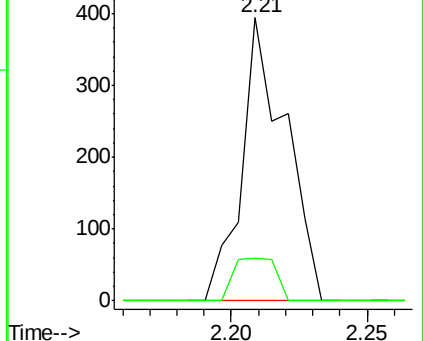
50 100

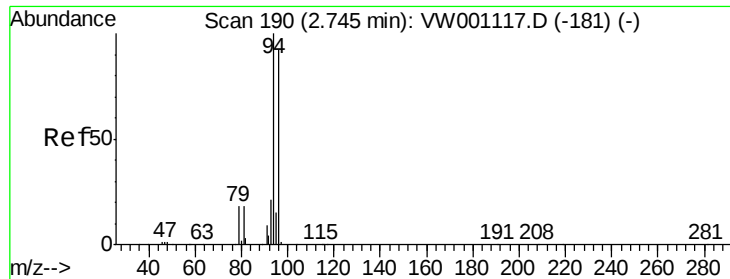
52 15.2 26.2 39.4#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW





#5

Bromomethane

Concen: 2.71 ug/l

RT: 2.77 min Scan# 194

Delta R.T. 0.02 min

Lab File: VW001142.D

Acq: 30 Jan 2018 01:21

Instrument :

MSVOA_W

ClientSampleId :

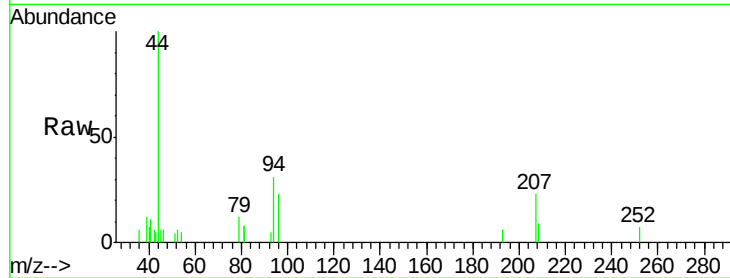
EPE-108-4(84-86)RE

Tgt Ion: 94 Resp: 886

Ion Ratio Lower Upper

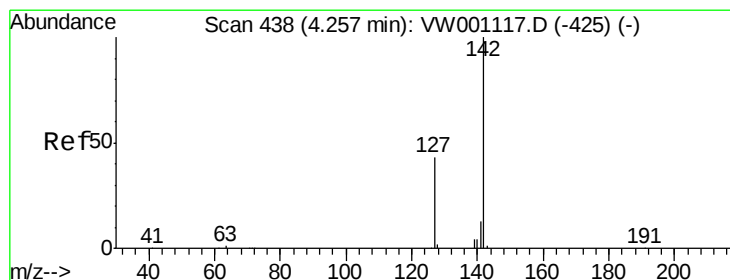
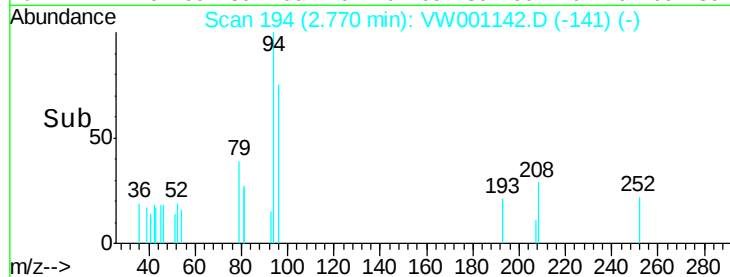
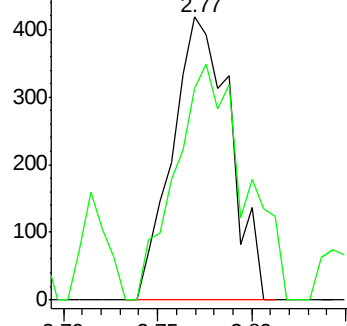
94 100

96 74.9 73.7 110.5



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#10

Methyl Iodide

Concen: 5.17 ug/l

RT: 4.26 min Scan# 438

Delta R.T. -0.00 min

Lab File: VW001142.D

Acq: 30 Jan 2018 01:21

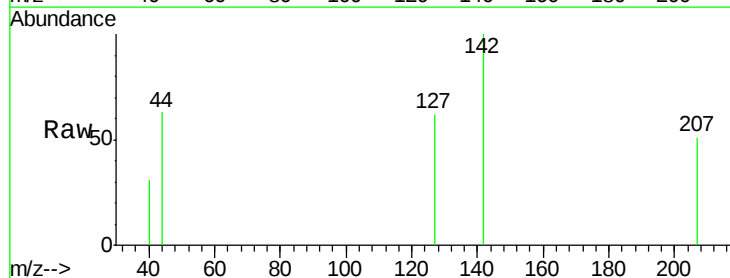
Tgt Ion: 142 Resp: 1237

Ion Ratio Lower Upper

142 100

127 52.9 35.4 53.2

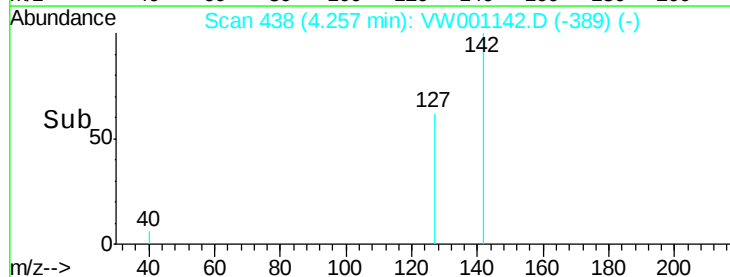
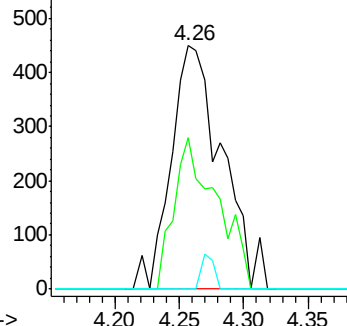
141 3.4 11.6 17.4#

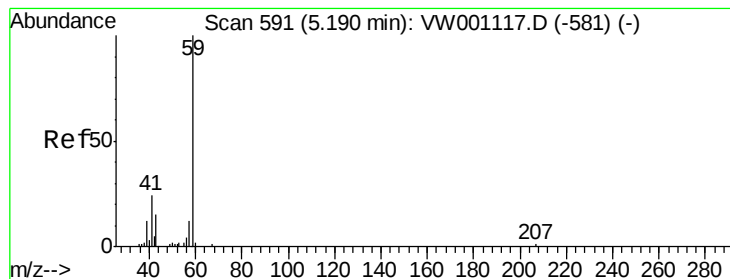


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



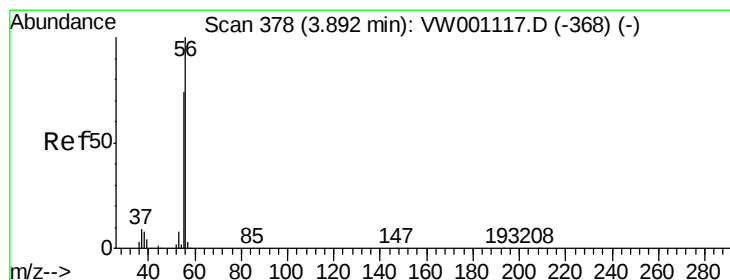
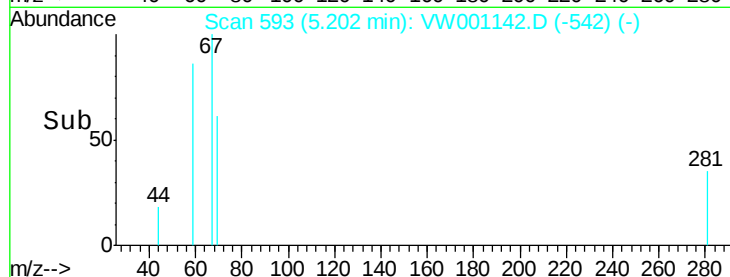
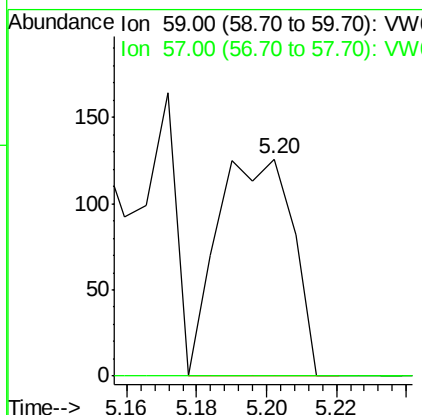
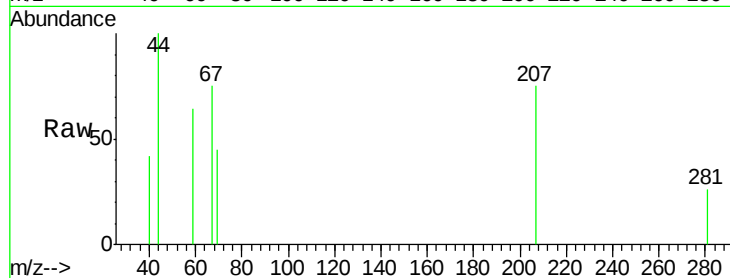


#11

Tert butyl alcohol
Concen: 9.73 ug/l
RT: 5.20 min Scan# 593
Delta R.T. 0.01 min
Lab File: VW001142.D
Acq: 30 Jan 2018 01:21

Instrument :
MSVOA_W
ClientSampleId :
EPE-108-4(84-86)RE

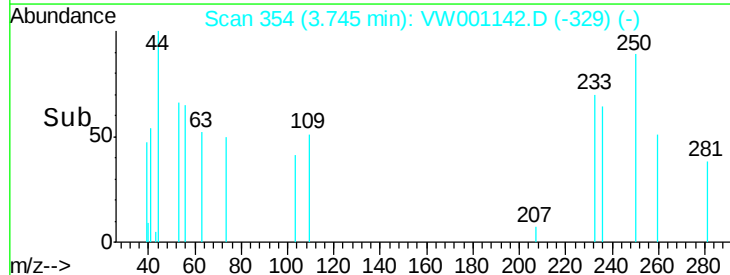
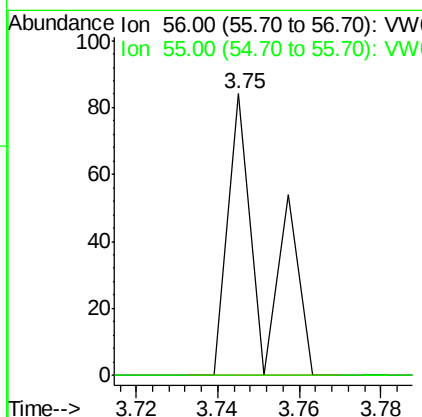
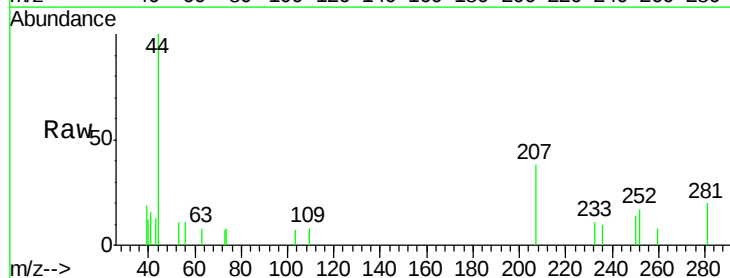
Tgt Ion: 59 Resp: 189
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

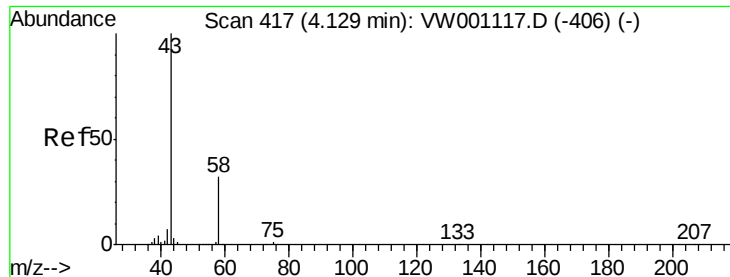


#13

Acrolein
Concen: 1.60 ug/l
RT: 3.75 min Scan# 354
Delta R.T. -0.15 min
Lab File: VW001142.D
Acq: 30 Jan 2018 01:21

Tgt Ion: 56 Resp: 50
Ion Ratio Lower Upper
56 100
55 0.0 58.2 87.4#





#16

Acetone

Concen: 78.48 ug/l

RT: 4.12 min Scan# 416

Delta R.T. -0.01 min

Lab File: VW001142.D

Acq: 30 Jan 2018 01:21

Instrument :

MSVOA_W

ClientSampleId :

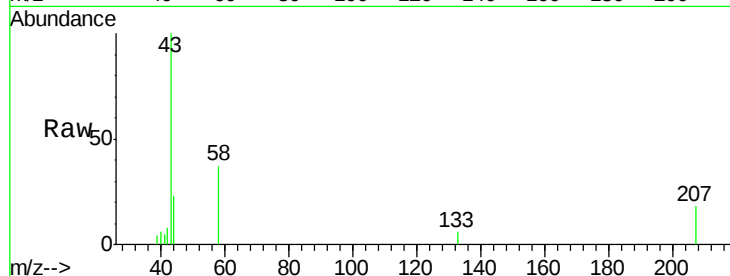
EPE-108-4(84-86)RE

Tgt Ion: 43 Resp: 4991

Ion Ratio Lower Upper

43 100

58 37.5 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

1500

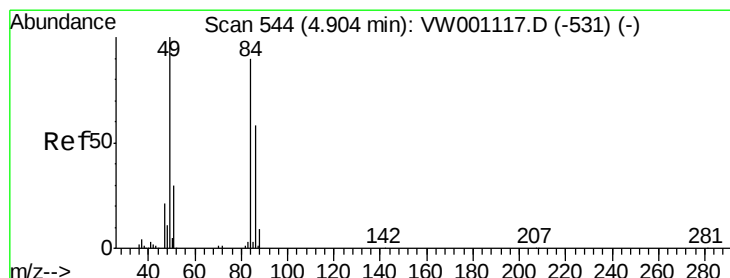
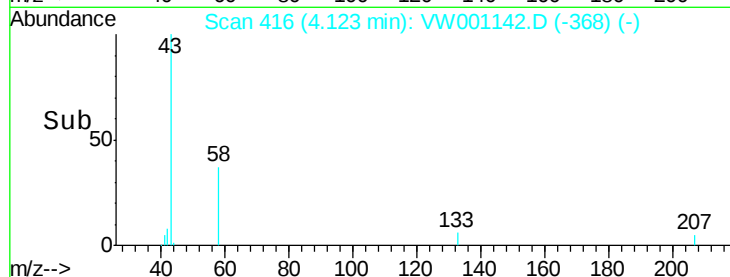
1000

500

0

4.05 4.10 4.15 4.20

Time-->



#20

Methylene Chloride

Concen: 80.12 ug/l

RT: 4.91 min Scan# 545

Delta R.T. 0.01 min

Lab File: VW001142.D

Acq: 30 Jan 2018 01:21

Tgt Ion: 84 Resp: 16540

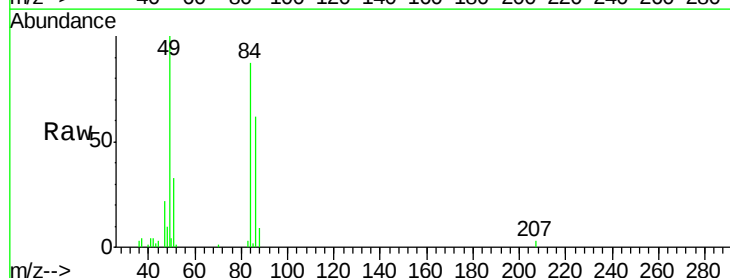
Ion Ratio Lower Upper

84 100

49 114.3 89.2 133.8

51 37.5 26.7 40.1

86 70.8 51.7 77.5



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

8000

6000

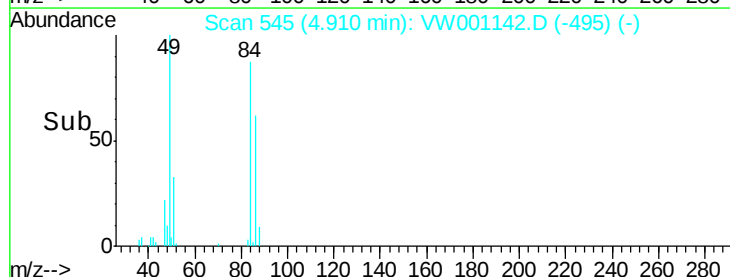
4000

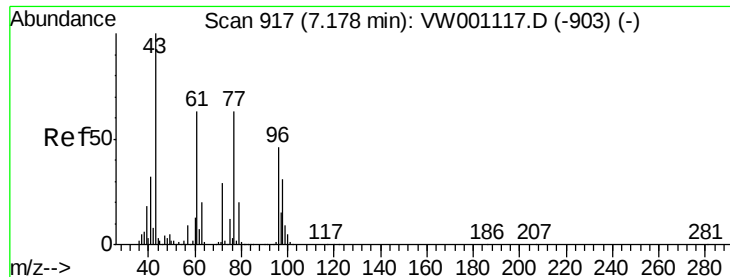
2000

0

4.80 4.90 5.00

Time-->





#25

2-Butanone

Concen: 5.08 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.00 min

Lab File: VW001142.D

Acq: 30 Jan 2018 01:21

Instrument :

MSVOA_W

ClientSampleId :

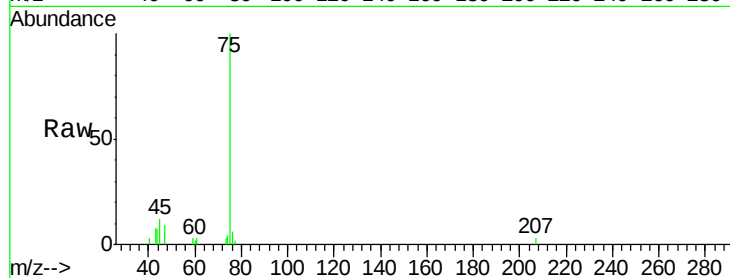
EPE-108-4(84-86)RE

Tgt Ion: 43 Resp: 424

Ion Ratio Lower Upper

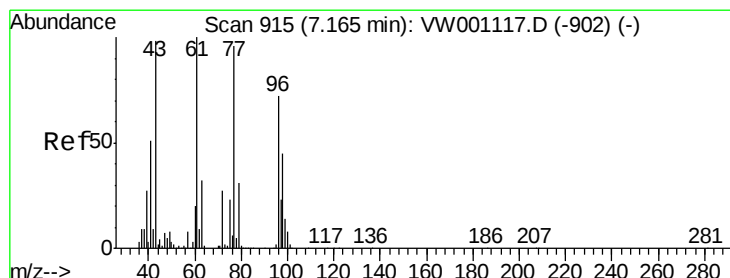
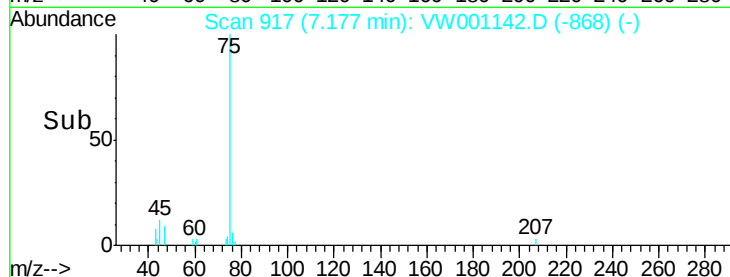
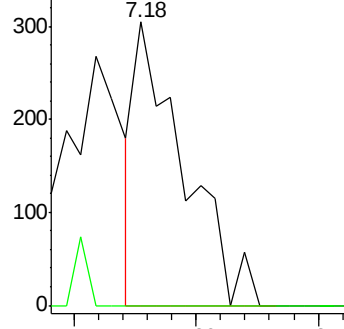
43 100

72 0.0 22.8 34.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 1.79 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.01 min

Lab File: VW001142.D

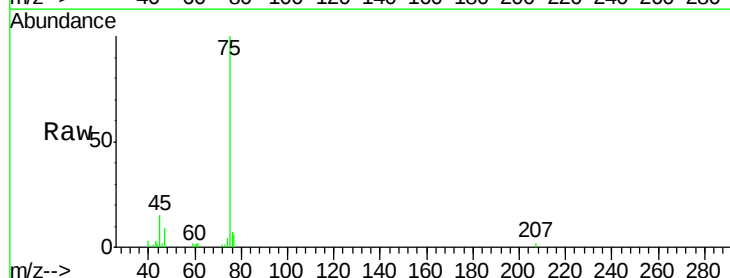
Acq: 30 Jan 2018 01:21

Tgt Ion: 77 Resp: 654

Ion Ratio Lower Upper

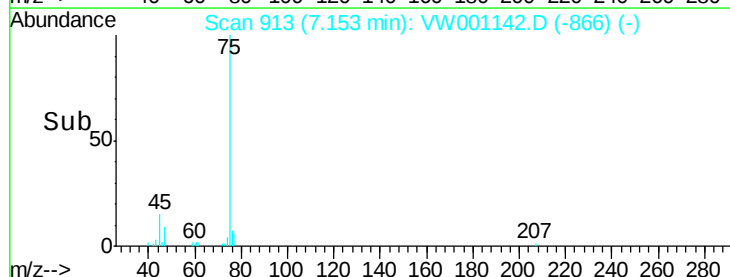
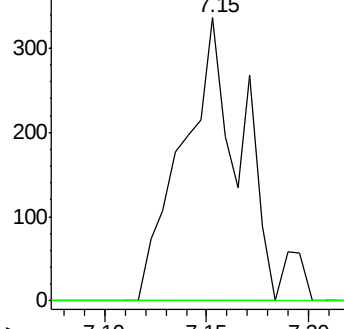
77 100

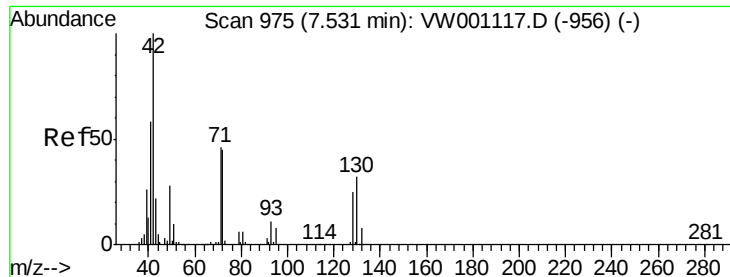
97 0.0 11.6 34.7#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#29

Tetrahydrofuran

Concen: 1.41 ug/l

RT: 7.54 min Scan# 977

Delta R.T. 0.01 min

Lab File: VW001142.D

Acq: 30 Jan 2018 01:21

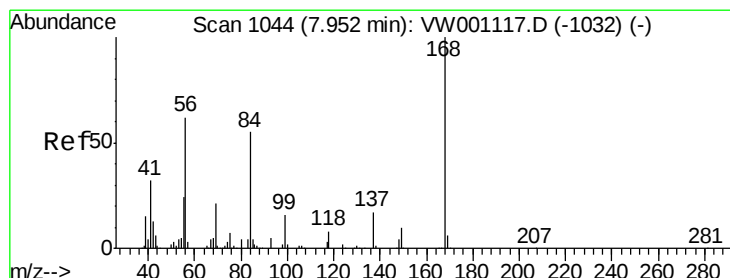
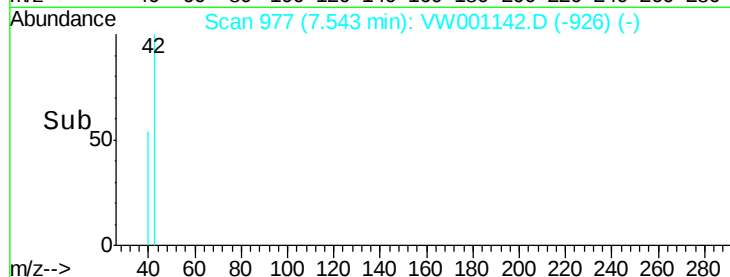
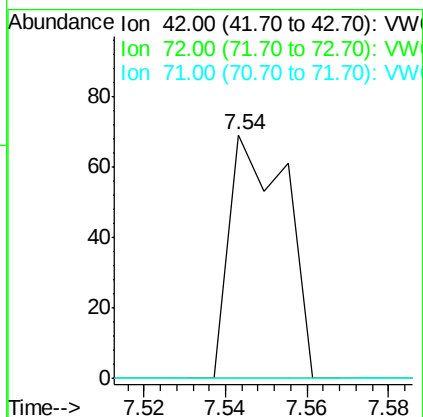
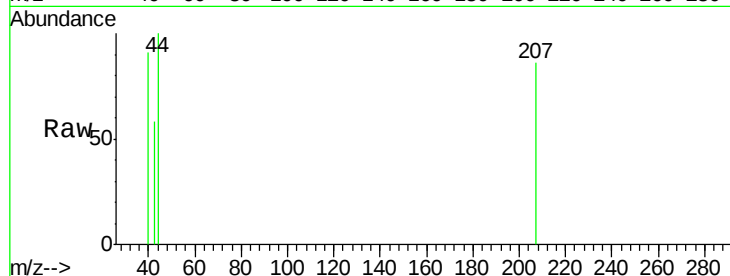
Instrument :

MSVOA_W

ClientSampleId :

EPE-108-4(84-86)RE

Tgt Ion:	42	Resp:	67
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.8	55.2#
71	0.0	35.1	52.7#



#31

Cyclohexane

Concen: 2.00 ug/l

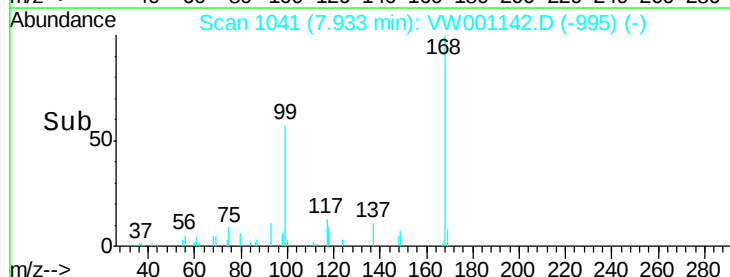
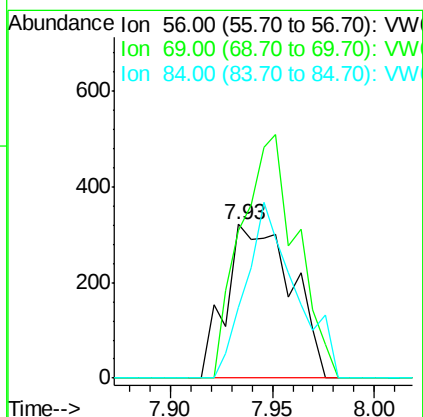
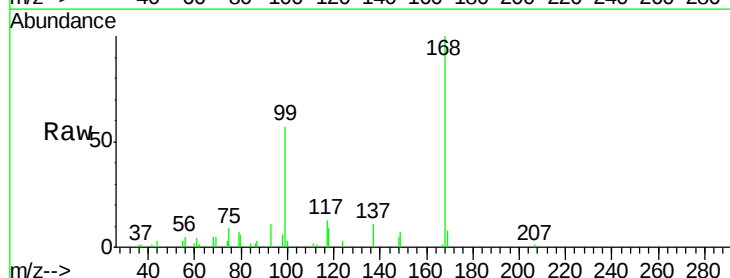
RT: 7.93 min Scan# 1041

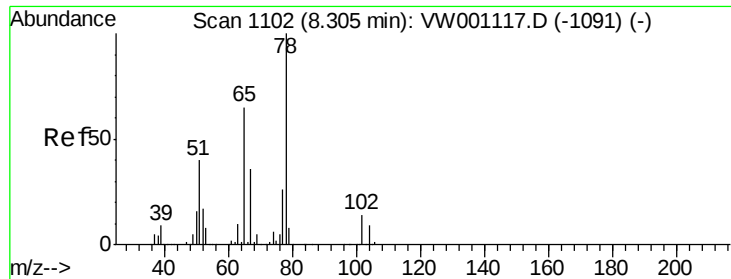
Delta R.T. -0.02 min

Lab File: VW001142.D

Acq: 30 Jan 2018 01:21

Tgt Ion:	56	Resp:	718
Ion	Ratio	Lower	Upper
56	100		
69	96.0	27.4	41.0#
84	46.0	71.1	106.7#

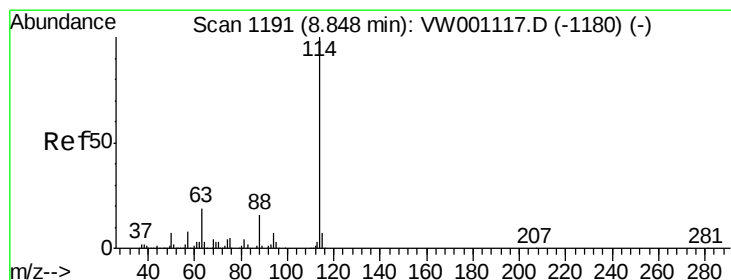
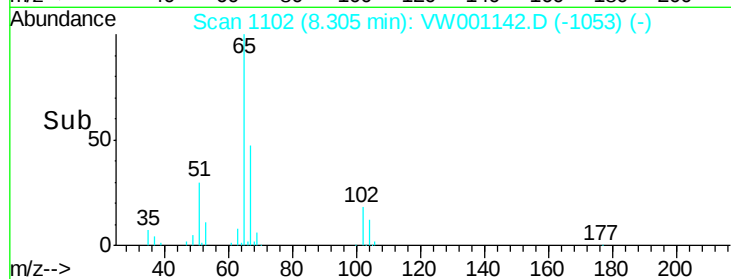
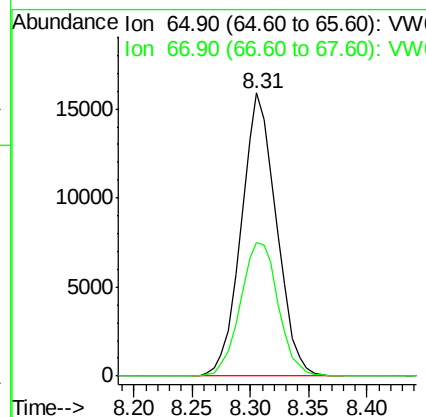
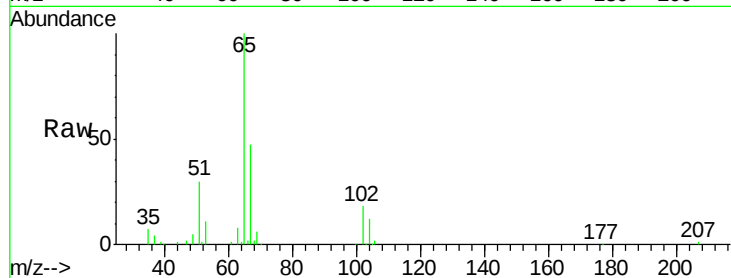




#33
 1,2-Dichloroethane-d4
 Concen: 137.66 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW001142.D
 Acq: 30 Jan 2018 01:21

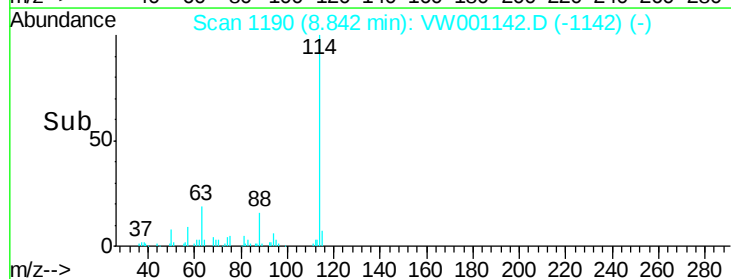
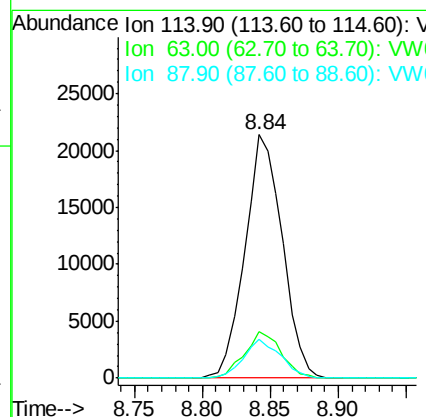
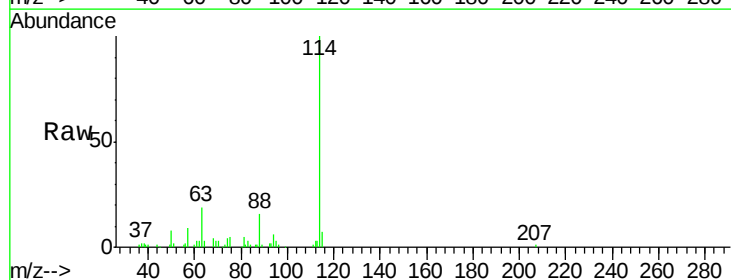
Instrument :
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 EPE-108-4(84-86)RE

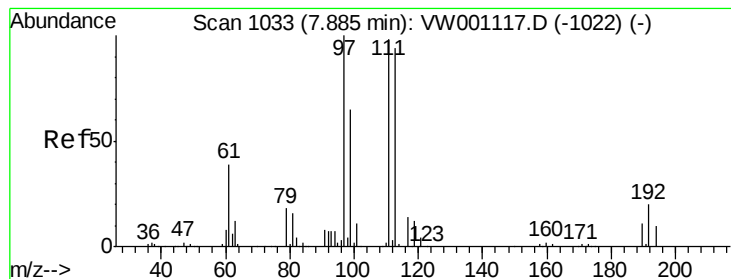
Tgt Ion: 65 Resp: 33297
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: VW001142.D
 Acq: 30 Jan 2018 01:21

Tgt Ion: 114 Resp: 41174
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.2
 88 16.1 0.0 31.0





#35

Dibromofluoromethane

Concen: 52.30 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW001142.D

Acq: 30 Jan 2018 01:21

Instrument :

MSVOA_W

ClientSampleId :

EPE-108-4(84-86)RE

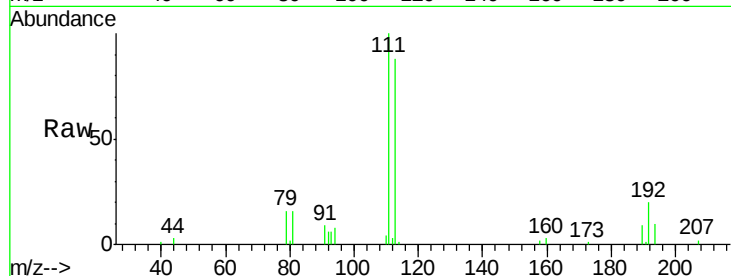
Tgt Ion:113 Resp: 13773

Ion Ratio Lower Upper

113 100

111 103.5 83.1 124.7

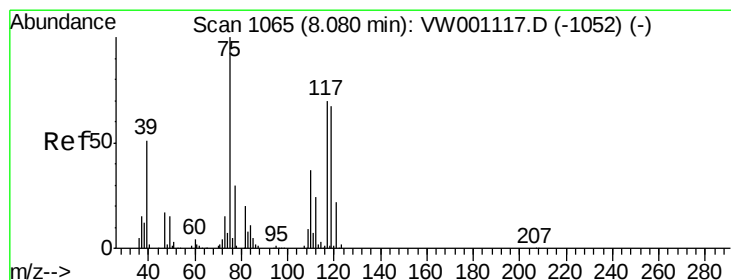
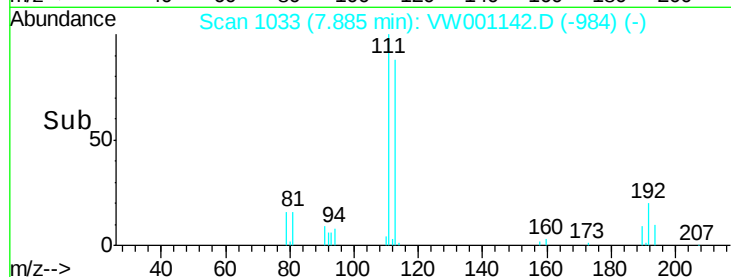
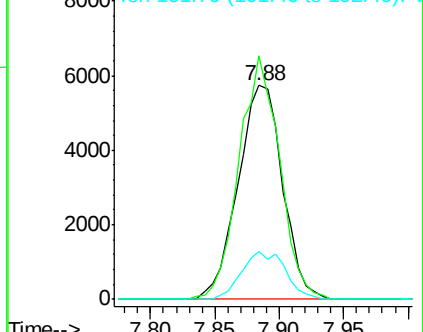
192 21.8 17.8 26.6



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: 5.17 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.13 min

Lab File: VW001142.D

Acq: 30 Jan 2018 01:21

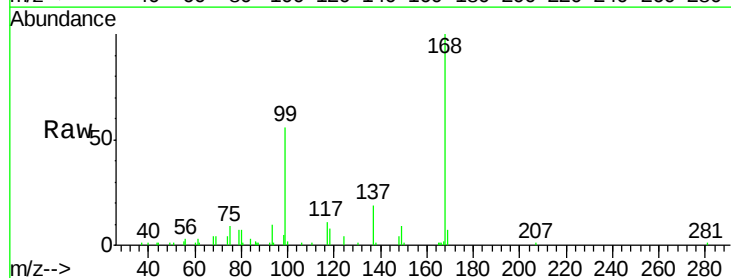
Tgt Ion: 75 Resp: 1920

Ion Ratio Lower Upper

75 100

110 3.3 18.7 56.1#

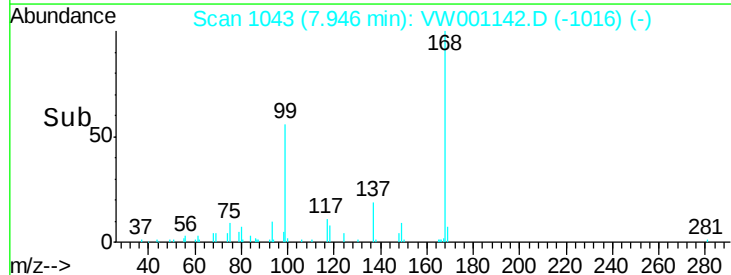
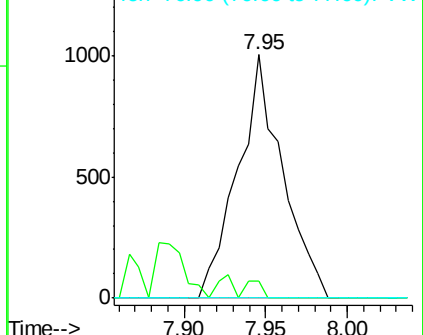
77 0.0 24.6 37.0#

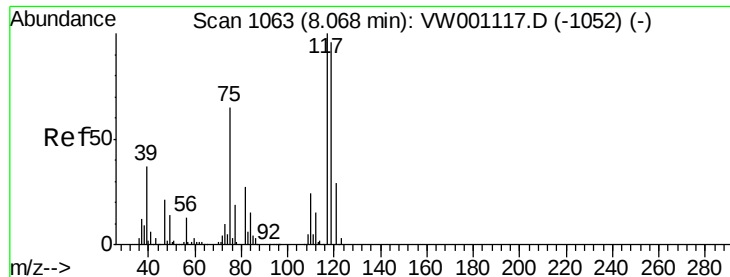


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.41 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW001142.D

Acq: 30 Jan 2018 01:21

Instrument :

MSVOA_W

ClientSampleId :

EPE-108-4(84-86)RE

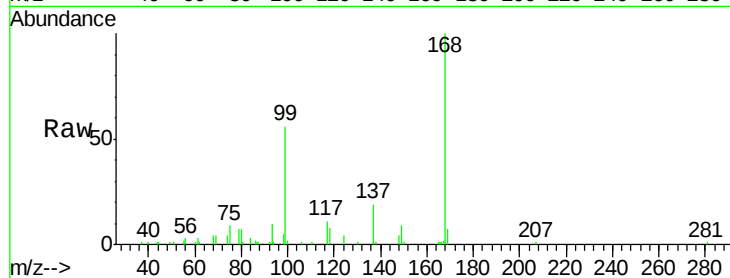
Tgt Ion:117 Resp: 2661

Ion Ratio Lower Upper

117 100

119 0.0 77.0 115.4#

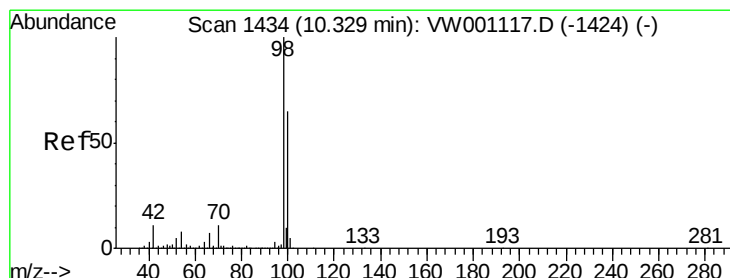
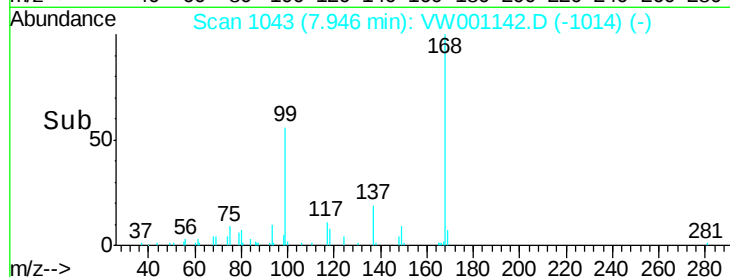
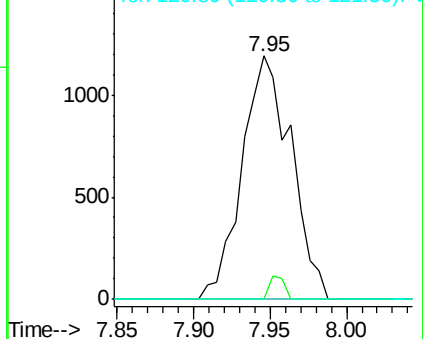
121 0.0 23.5 35.3#



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: 51.77 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW001142.D

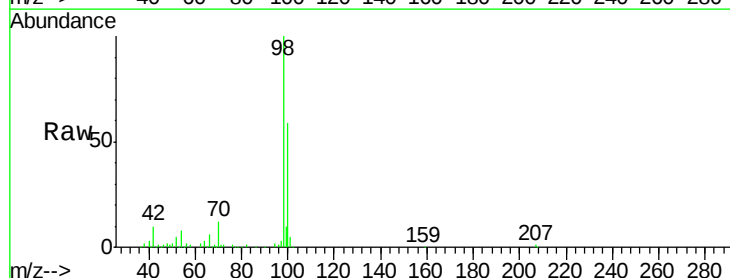
Acq: 30 Jan 2018 01:21

Tgt Ion: 98 Resp: 52477

Ion Ratio Lower Upper

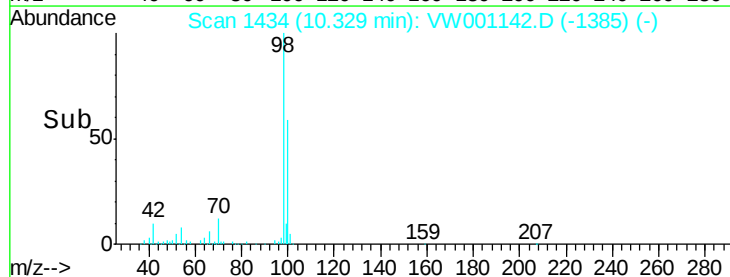
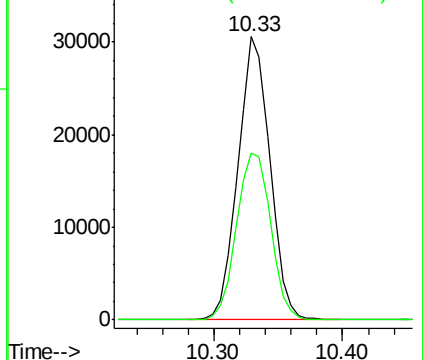
98 100

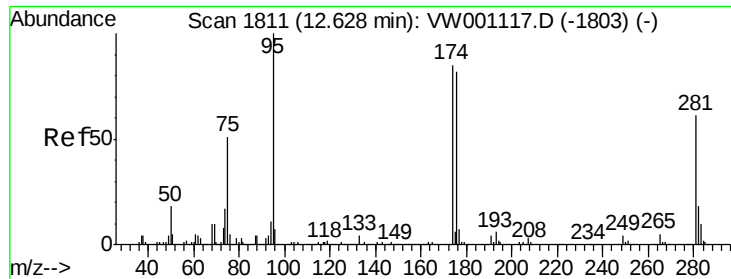
100 63.1 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

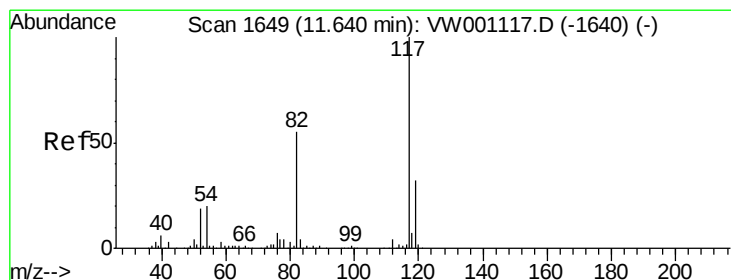
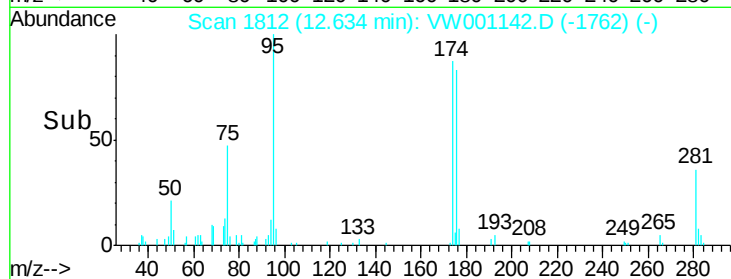
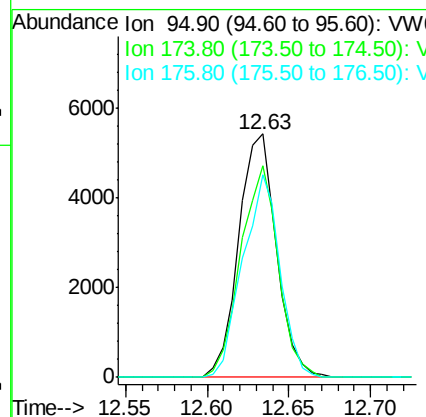
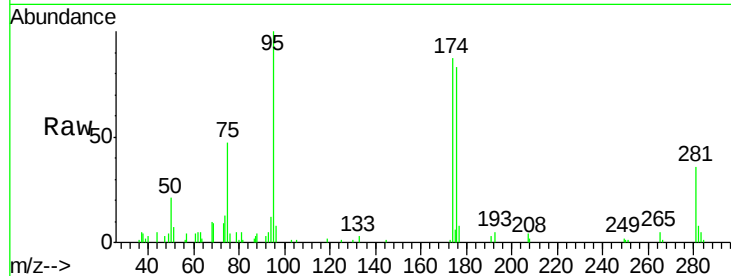




#62
4-Bromofluorobenzene
Concen: 23.34 ug/l
RT: 12.63 min Scan# 1812
Delta R.T. 0.01 min
Lab File: VW001142.D
Acq: 30 Jan 2018 01:21

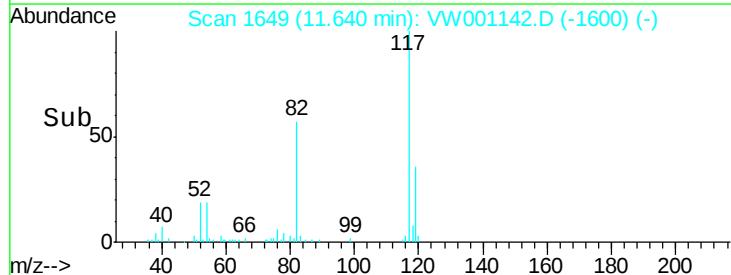
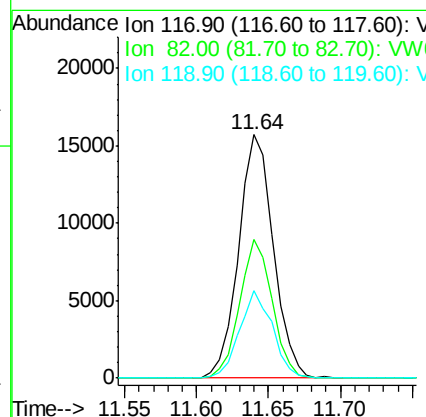
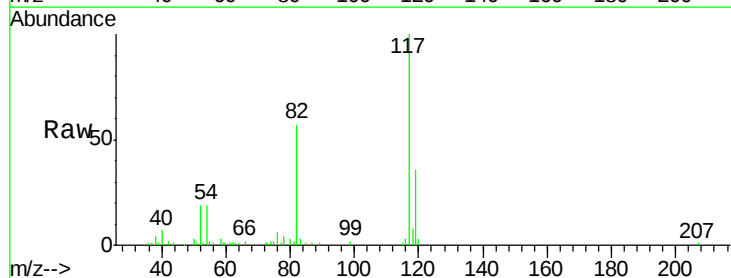
Instrument :
MSVOA_W
ClientSampleId :
EPE-108-4(84-86)RE

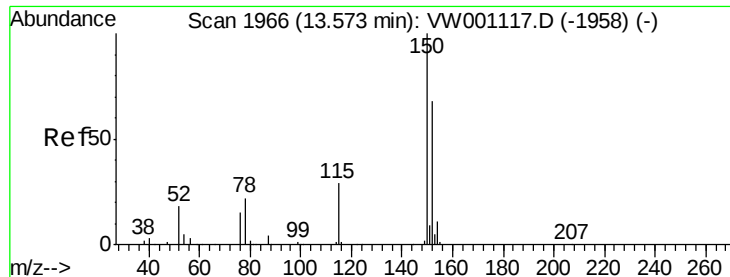
Tgt Ion: 95 Resp: 8719
Ion Ratio Lower Upper
95 100
174 86.8 0.0 179.6
176 81.8 0.0 174.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW001142.D
Acq: 30 Jan 2018 01:21

Tgt Ion: 117 Resp: 26312
Ion Ratio Lower Upper
117 100
82 56.8 43.8 65.8
119 35.7 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.58 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VW001142.D

Acq: 30 Jan 2018 01:21

Instrument :

MSVOA_W

ClientSampleId :

EPE-108-4(84-86)RE

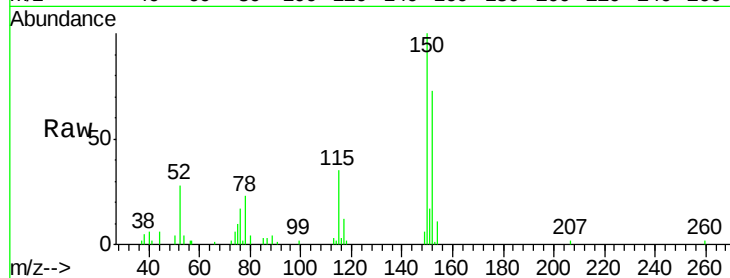
Tgt Ion:152 Resp: 4468

Ion Ratio Lower Upper

152 100

115 62.4 28.4 85.3

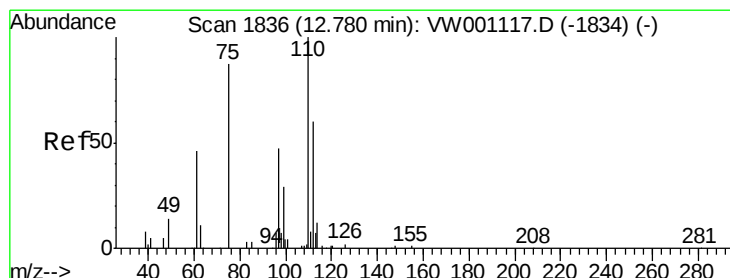
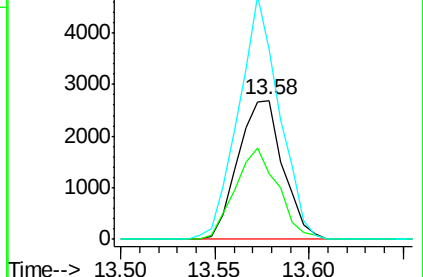
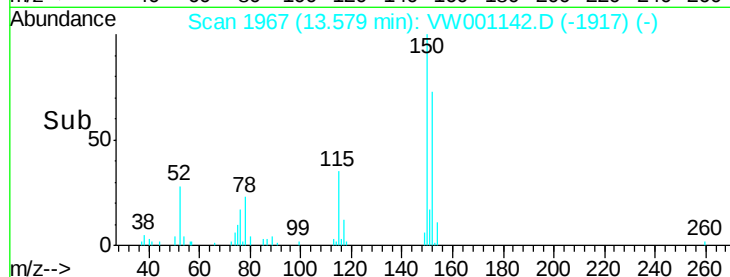
150 157.6 0.0 342.4



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: 94.45 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. -0.15 min

Lab File: VW001142.D

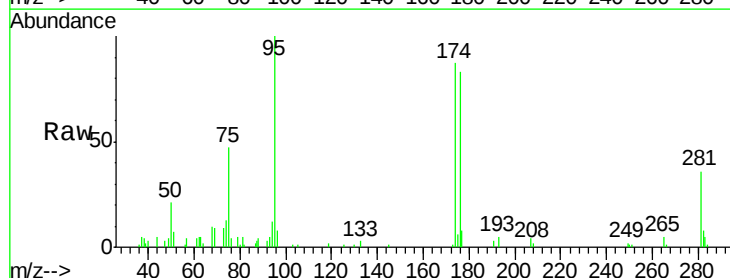
Acq: 30 Jan 2018 01:21

Tgt Ion: 75 Resp: 4277

Ion Ratio Lower Upper

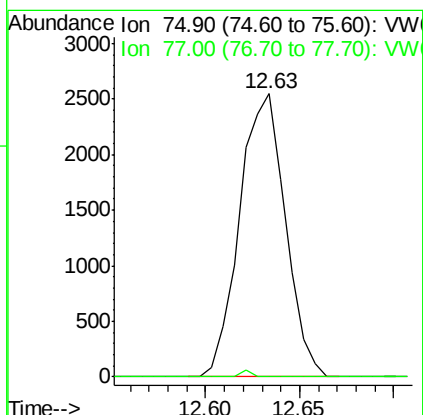
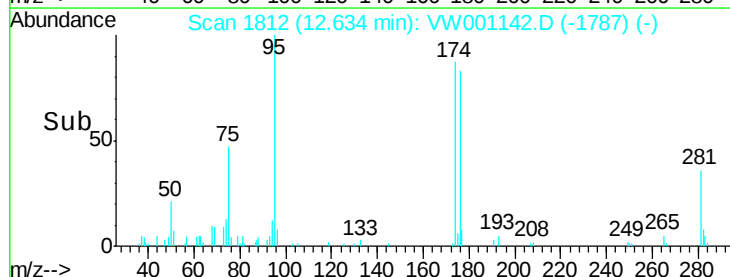
75 100

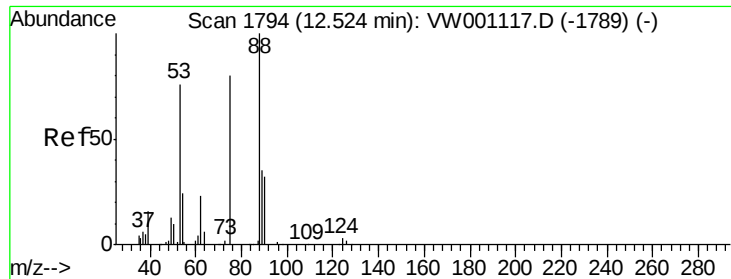
77 0.6 0.0 0.0#



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: 248.35 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. 0.11 min

Lab File: VW001142.D

Acq: 30 Jan 2018 01:21

Instrument :

MSVOA_W

ClientSampleId :

EPE-108-4(84-86)RE

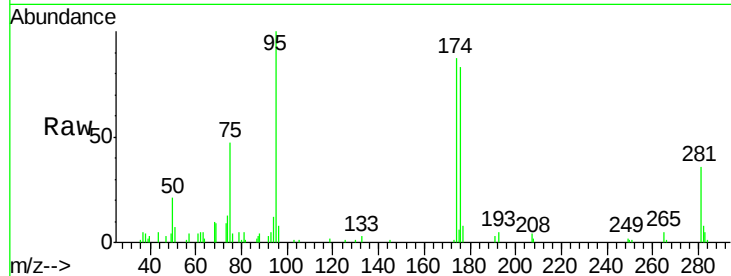
Tgt Ion: 75 Resp: 4277

Ion Ratio Lower Upper

75 100

53 0.0 75.0 112.6#

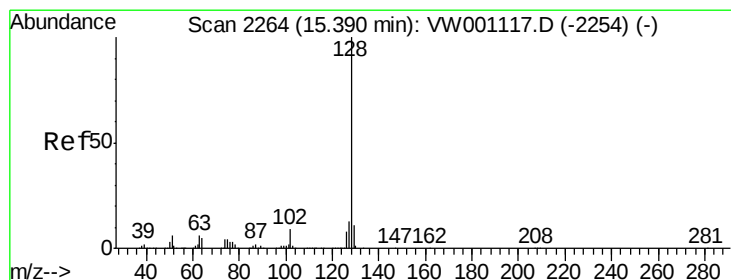
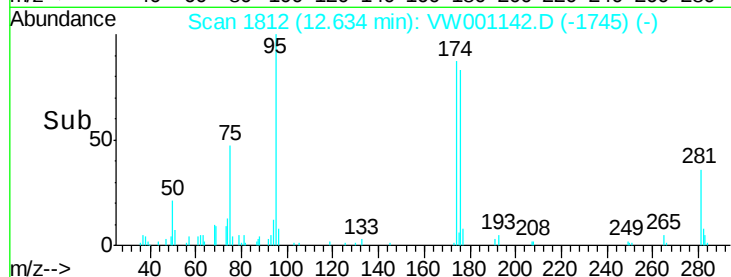
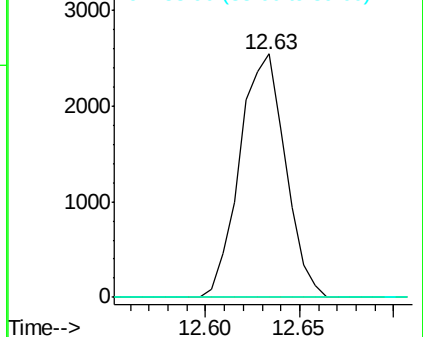
89 0.0 38.2 57.4#



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



#95

Naphthalene

Concen: 2.37 ug/l

RT: 15.40 min Scan# 2265

Delta R.T. 0.01 min

Lab File: VW001142.D

Acq: 30 Jan 2018 01:21

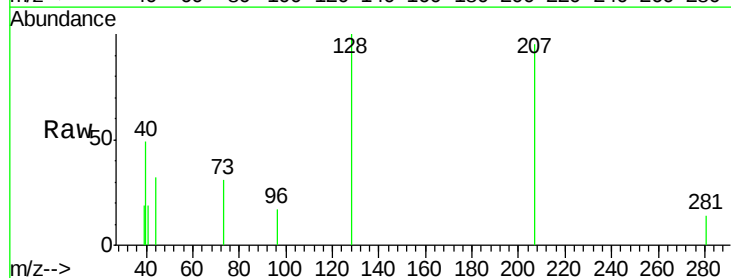
Tgt Ion: 128 Resp: 451

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 6.0 8.7 13.1#



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

