

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW012918\
 Data File : VW001144.D
 Acq On : 30 Jan 2018 02:11
 Operator : JC/SY
 Sample : J1288-06RE
 Misc : 6.49G/5.0ML/MSVOA W/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EPE-108-4(95-97)RE

Quant Time: Jan 30 15:55:53 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	12327	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	20262	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	9477	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	1480	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	14697	122.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	245.28%	
35) Dibromofluoromethane	7.88	113	5558	42.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.76%	
50) Toluene-d8	10.33	98	20494	41.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.16%	
62) 4-Bromofluorobenzene	12.63	95	2516	13.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	27.38%	

Target Compounds

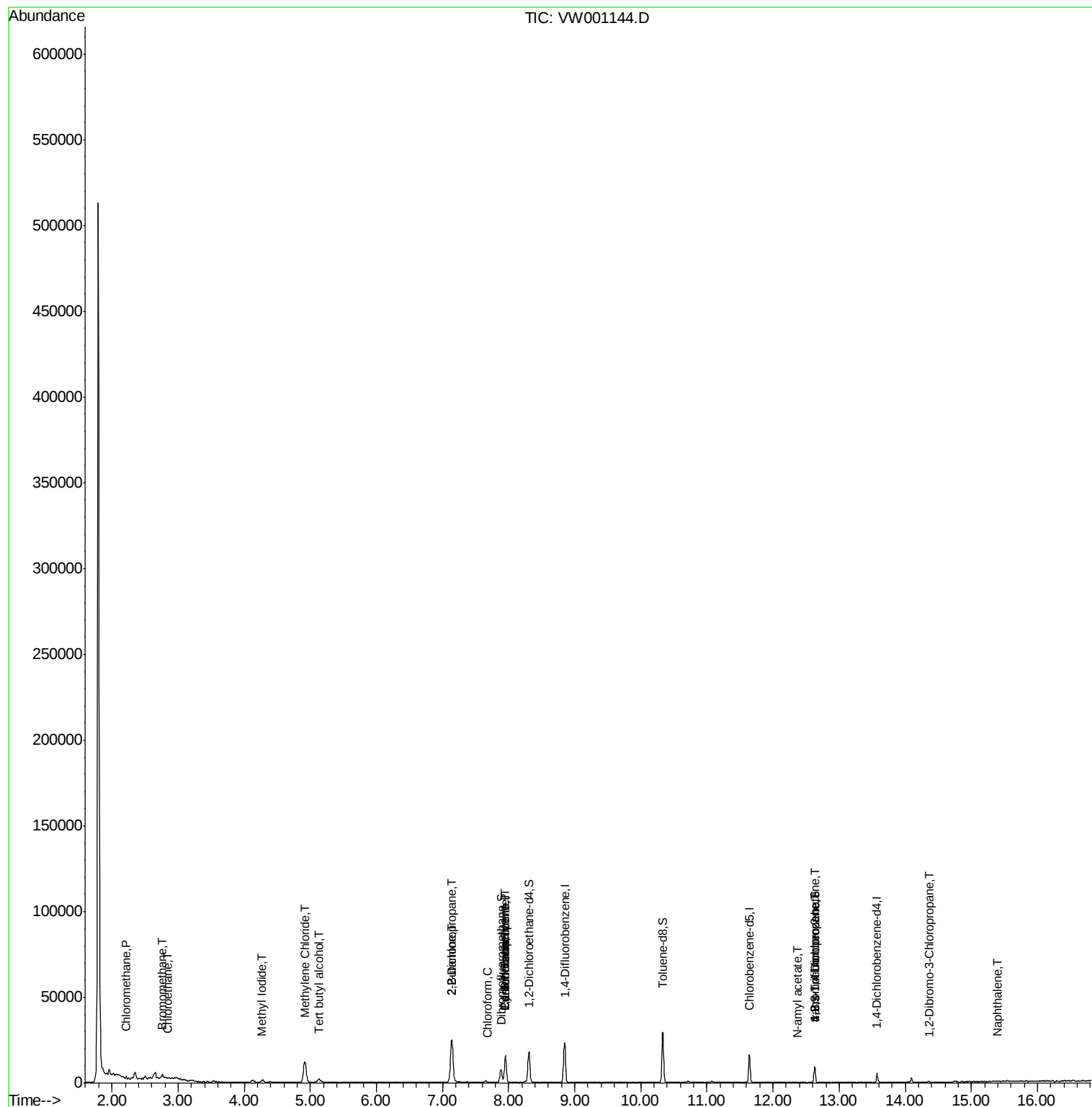
						Qvalue
3) Chloromethane	2.22	50	716	7.85	ug/l #	74
5) Bromomethane	2.76	94	1169	17.91	ug/l	90
6) Chloroethane	2.84	64	85	1.65	ug/l #	42
10) Methyl Iodide	4.27	142	2135	18.00	ug/l #	96
11) Tert butyl alcohol	5.14	59	2055	213.42	ug/l #	76
20) Methylene Chloride	4.92	84	9629	94.60	ug/l	93
25) 2-Butanone	7.14	43	1444	34.91	ug/l #	46
26) 2,2-Dichloropropane	7.14	77	1728	9.53	ug/l #	52
30) Chloroform	7.69	83	228	1.15	ug/l #	82
31) Cyclohexane	7.95	56	234	1.32	ug/l #	66
36) 1,1-Dichloropropene	7.95	75	937	5.12	ug/l #	40
38) Carbon Tetrachloride	7.95	117	1300	6.36	ug/l #	12
74) N-amyl acetate	12.36	43	29	1.37	ug/l #	41
76) 1,2,3-Trichloropropane	12.63	75	1179	78.60	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	1179	206.67	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.35	75	54	14.12	ug/l #	1
95) Naphthalene	15.39	128	245	3.88	ug/l #	69

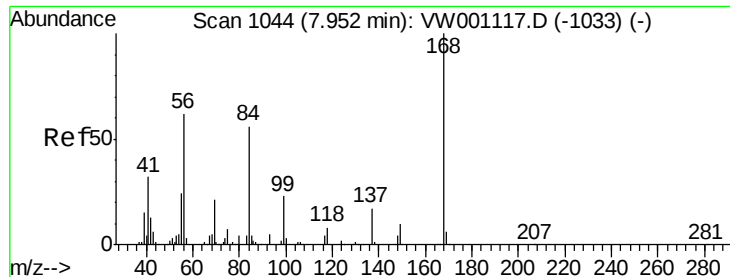
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW012918\
Data File : VW001144.D
Acq On : 30 Jan 2018 02:11
Operator : JC/SY
Sample : J1288-06RE
Misc : 6.49G/5.0ML/MSVOA W/SOIL
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EPE-108-4(95-97)RE

Quant Time: Jan 30 15:55:53 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW001144.D

Acq: 30 Jan 2018 02:11

Instrument :

MSVOA_W

ClientSampleId :

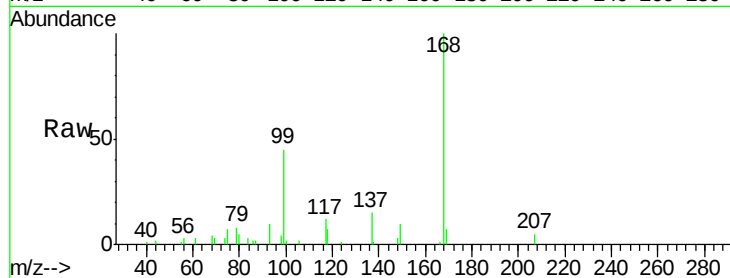
EPE-108-4(95-97)RE

Tot Ion:168 Resp: 12327

Ion Ratio Lower Upper

168 100

99 45.0 42.4 63.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

6000

5000

4000

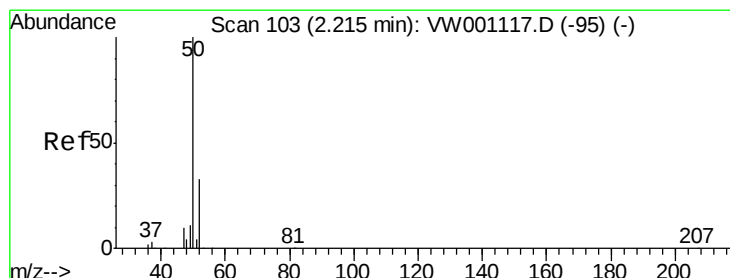
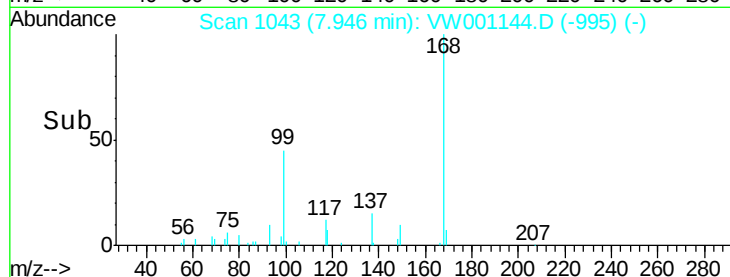
3000

2000

1000

0

Time-->



#3

Chloromethane

Concen: 7.85 ug/l

RT: 2.22 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW001144.D

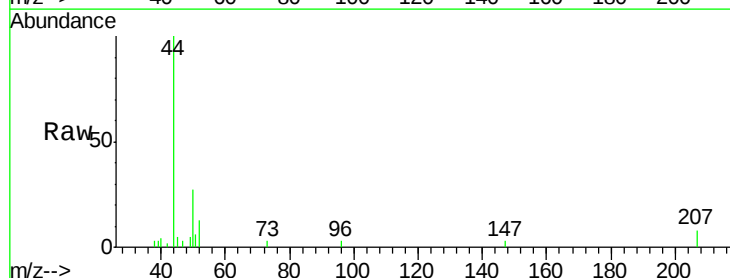
Acq: 30 Jan 2018 02:11

Tgt Ion: 50 Resp: 716

Ion Ratio Lower Upper

50 100

52 47.6 26.2 39.4#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.22

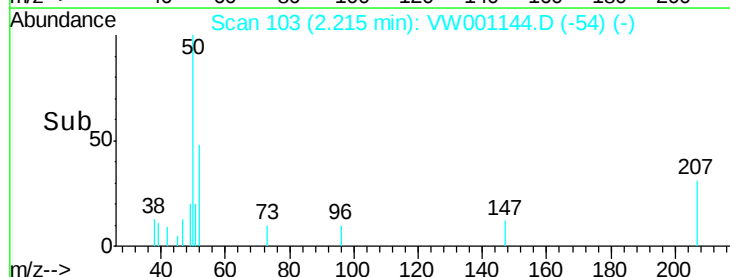
600

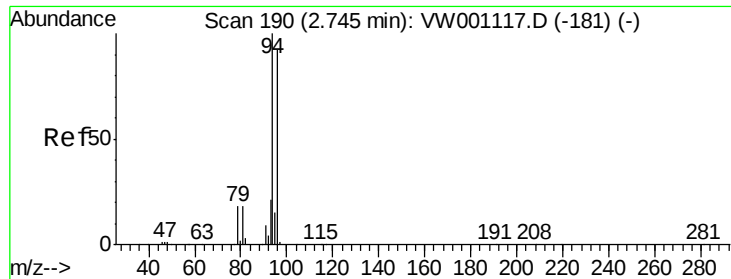
400

200

0

Time-->





#5

Bromomethane

Concen: 17.91 ug/l

RT: 2.76 min Scan# 193

Delta R.T. 0.02 min

Lab File: VW001144.D

Acq: 30 Jan 2018 02:11

Instrument :

MSVOA_W

ClientSampleId :

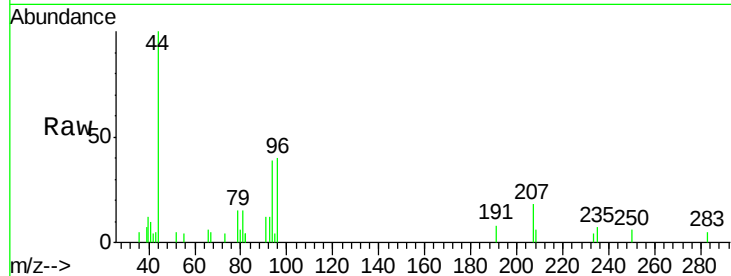
EPE-108-4(95-97)RE

Tot Ion: 94 Resp: 1169

Ion Ratio Lower Upper

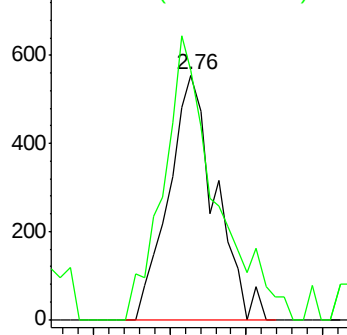
94 100

96 101.6 73.7 110.5

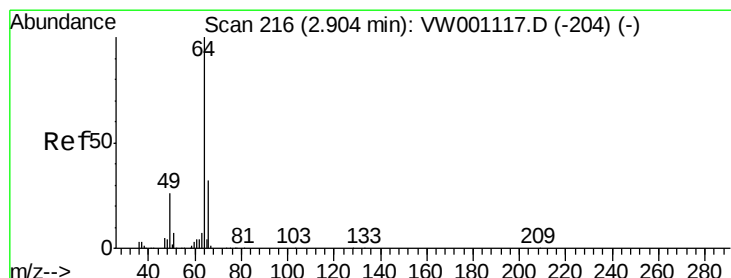
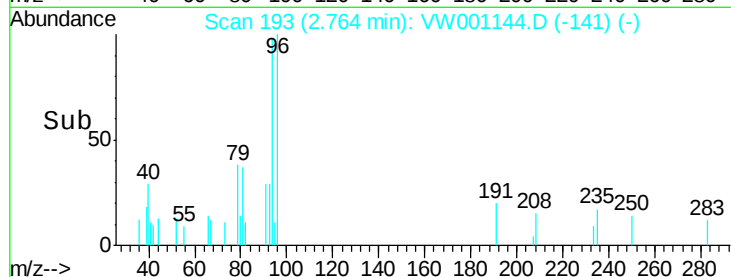


Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



Time-->



#6

Chloroethane

Concen: 1.65 ug/l

RT: 2.84 min Scan# 206

Delta R.T. -0.06 min

Lab File: VW001144.D

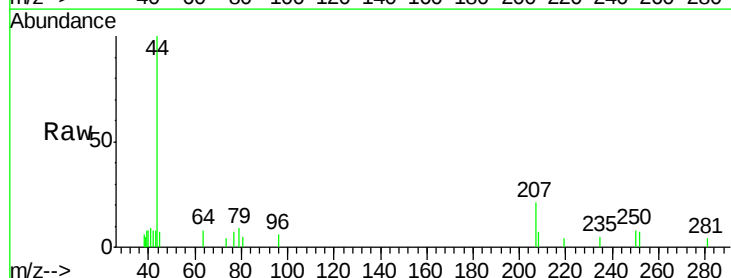
Acq: 30 Jan 2018 02:11

Tgt Ion: 64 Resp: 85

Ion Ratio Lower Upper

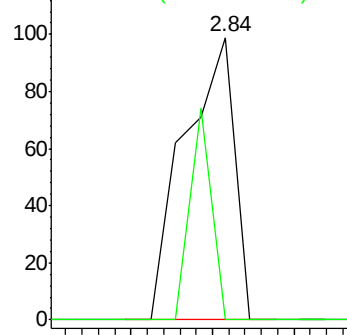
64 100

66 0.0 25.8 38.8#

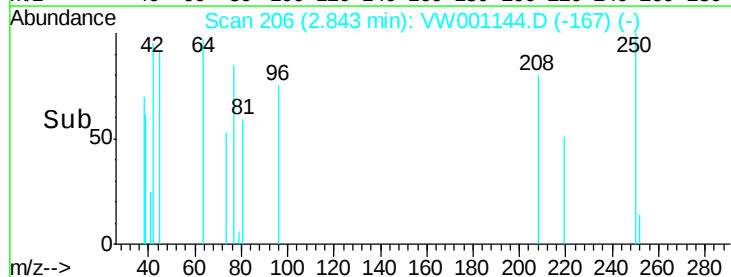


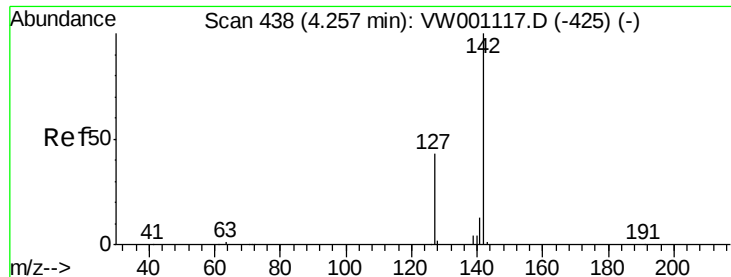
Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



Time-->





#10

Methvl Iodide

Concen: 18.00 ug/l

RT: 4.27 min Scan# 440

Delta R.T. 0.01 min

Lab File: VW001144.D

Acq: 30 Jan 2018 02:11

Instrument :

MSVOA_W

ClientSampleId :

EPE-108-4(95-97)RE

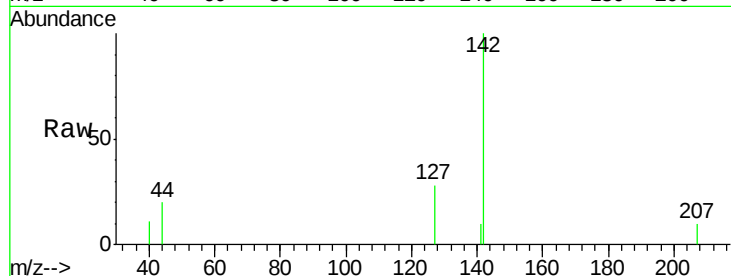
Tot Ion:142 Resp: 2135

Ion Ratio Lower Upper

142 100

127 42.9 35.4 53.2

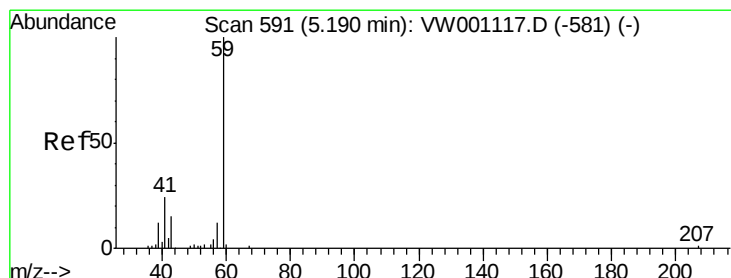
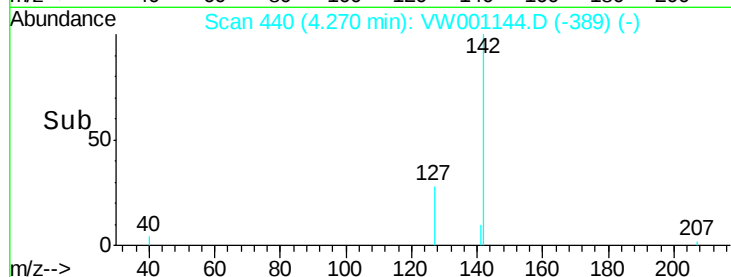
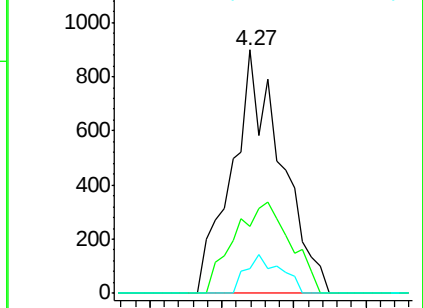
141 11.1 11.6 17.4#



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: 213.42 ug/l

RT: 5.14 min Scan# 582

Delta R.T. -0.05 min

Lab File: VW001144.D

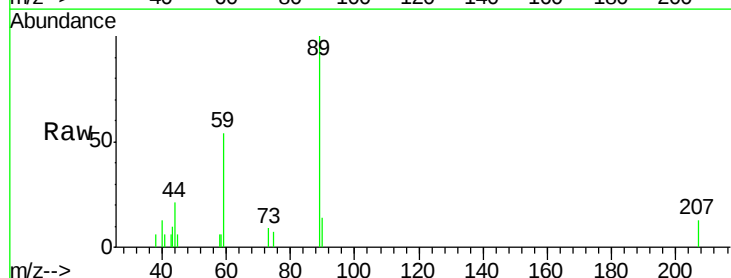
Acq: 30 Jan 2018 02:11

Tgt Ion: 59 Resp: 2055

Ion Ratio Lower Upper

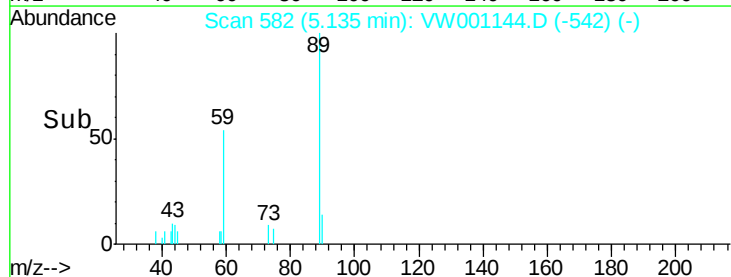
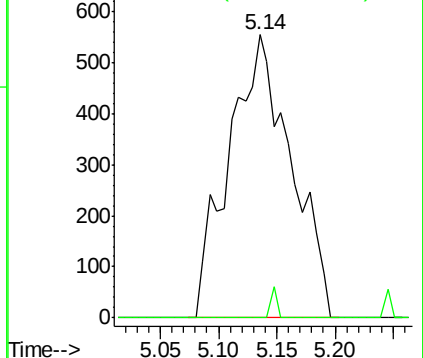
59 100

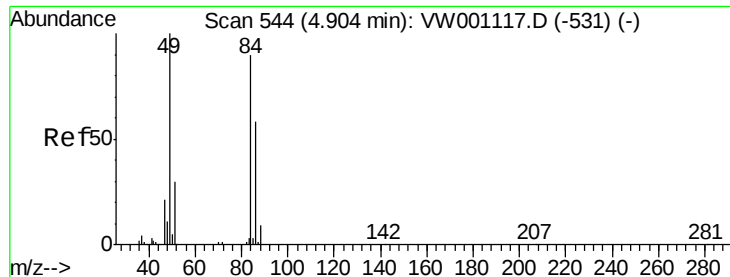
57 1.1 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

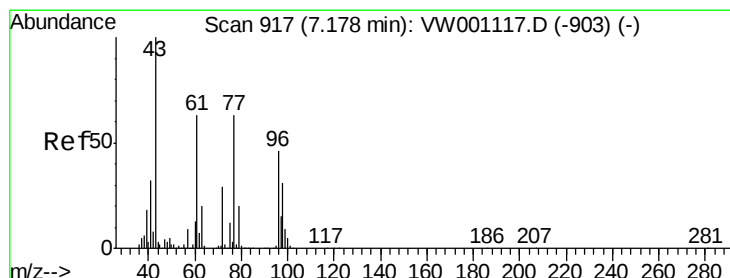
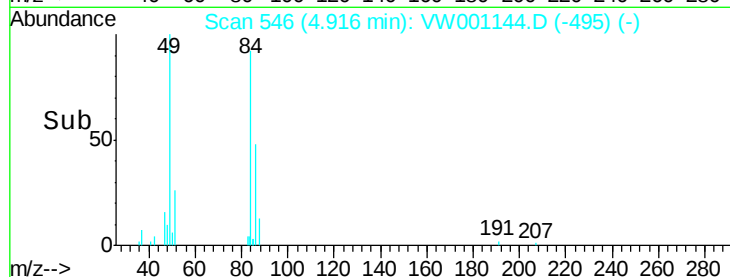
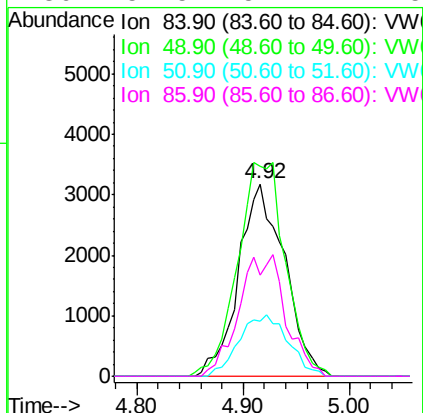
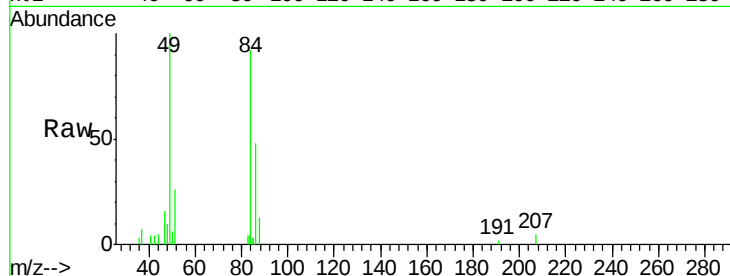




#20
Methvlene Chloride
Concen: 94.60 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW001144.D
Acq: 30 Jan 2018 02:11

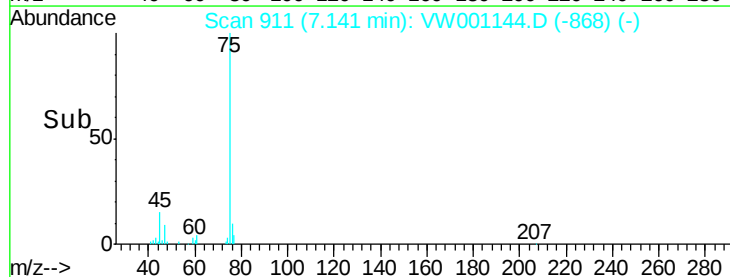
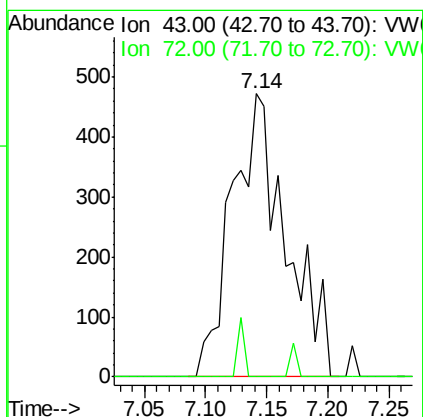
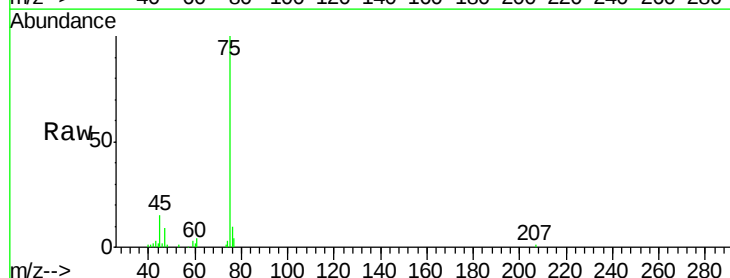
Instrument :
MSVOA_W
ClientSampleId :
EPE-108-4(95-97)RE

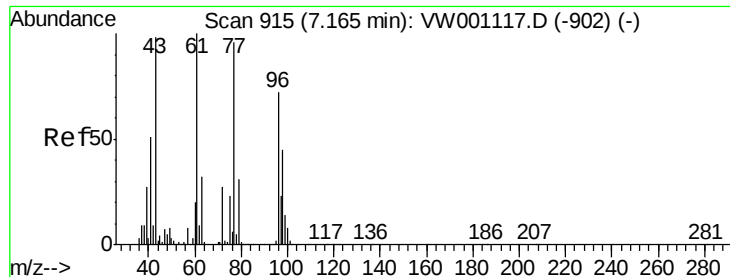
Tot Ion:	84	Resp:	9629
Ion	Ratio	Lower	Upper
84	100		
49	109.1	89.2	133.8
51	28.8	26.7	40.1
86	52.5	51.7	77.5



#25
2-Butanone
Concen: 34.91 ug/l
RT: 7.14 min Scan# 911
Delta R.T. -0.04 min
Lab File: VW001144.D
Acq: 30 Jan 2018 02:11

Tgt Ion:	43	Resp:	1444
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.8	34.2#





#26

2,2-Dichloropropane

Concen: 9.53 ug/l

RT: 7.14 min Scan# 910

Delta R.T. -0.03 min

Lab File: VW001144.D

Acq: 30 Jan 2018 02:11

Instrument :

MSVOA_W

ClientSampleId :

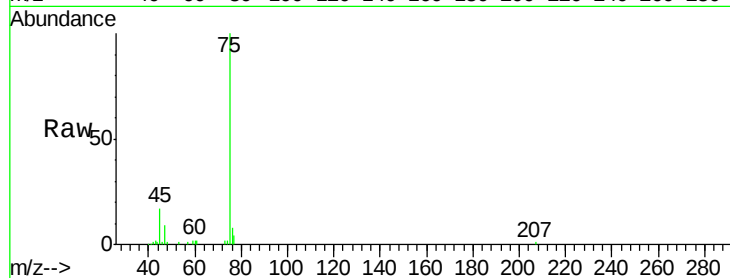
EPE-108-4(95-97)RE

Tot Ion: 77 Resp: 1728

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

7.14

600

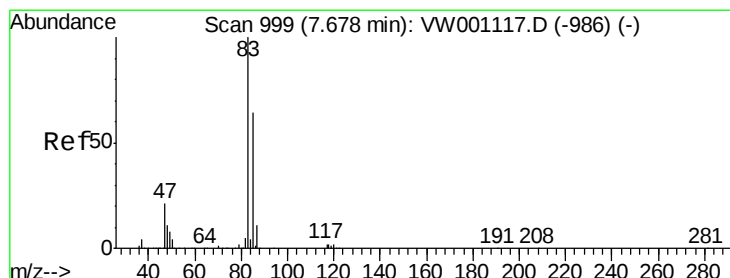
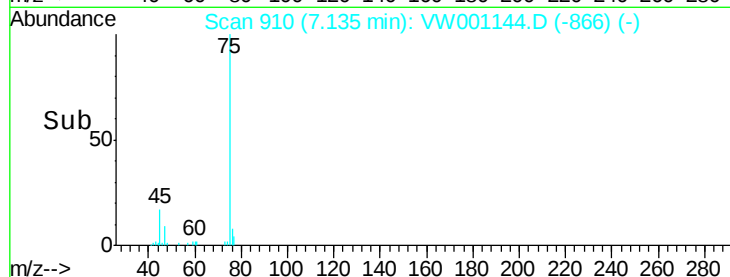
400

200

0

7.05 7.10 7.15 7.20

Time-->



#30

Chloroform

Concen: 1.15 ug/l

RT: 7.69 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VW001144.D

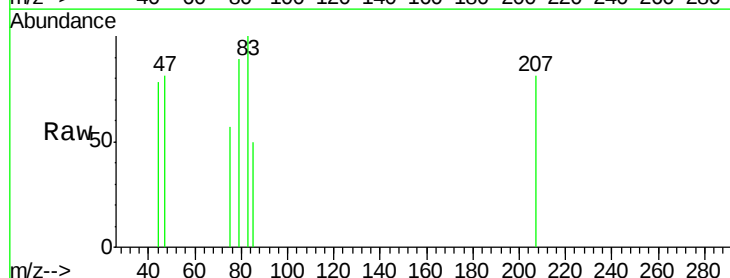
Acq: 30 Jan 2018 02:11

Tgt Ion: 83 Resp: 228

Ion Ratio Lower Upper

83 100

85 50.4 51.4 77.2#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

200

150

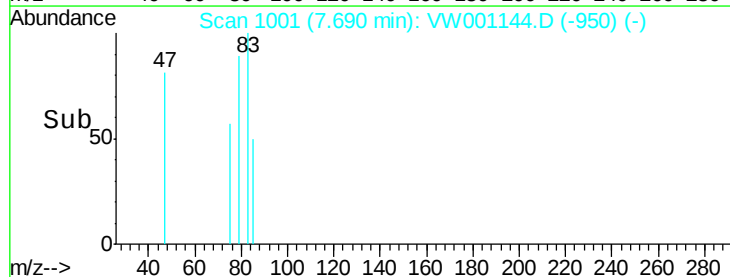
100

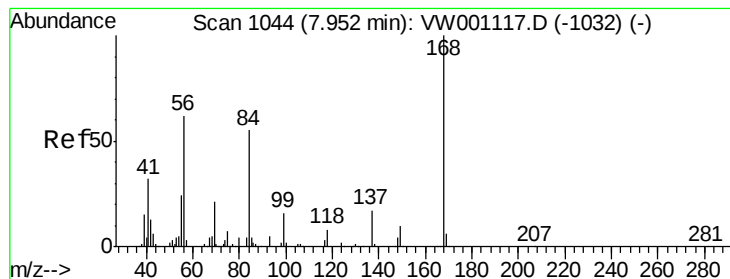
50

0

7.65 7.70

Time-->





#31

Cyclohexane

Concen: 1.32 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW001144.D

Acq: 30 Jan 2018 02:11

Instrument :

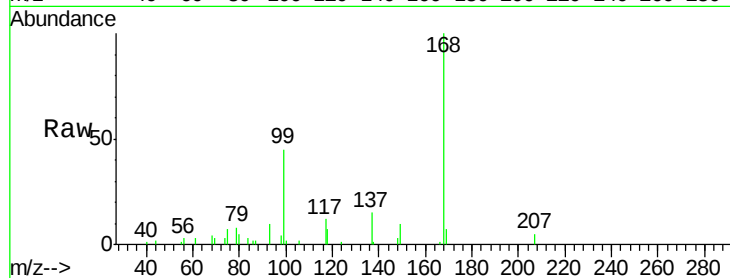
MSVOA_W

ClientSampleId :

EPE-108-4(95-97)RE

Tot Ion: 56 Resp: 234

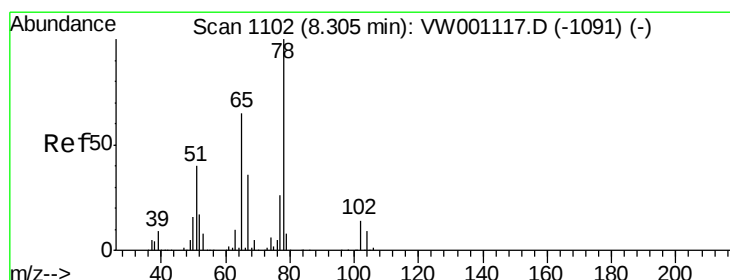
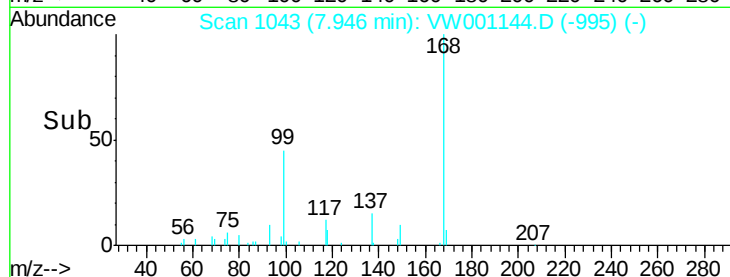
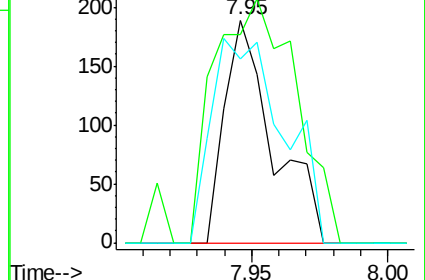
Ion	Ratio	Lower	Upper
56	100		
69	93.7	27.4	41.0#
84	82.5	71.1	106.7



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 122.64 ug/l

RT: 8.31 min Scan# 1102

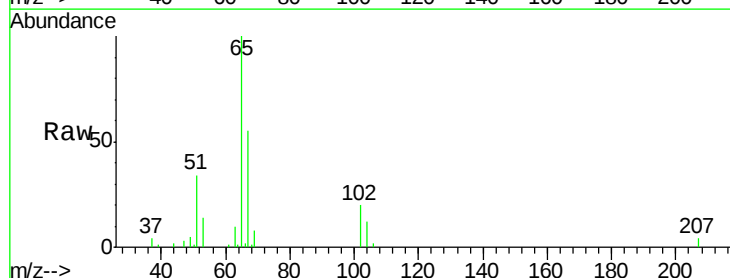
Delta R.T. 0.00 min

Lab File: VW001144.D

Acq: 30 Jan 2018 02:11

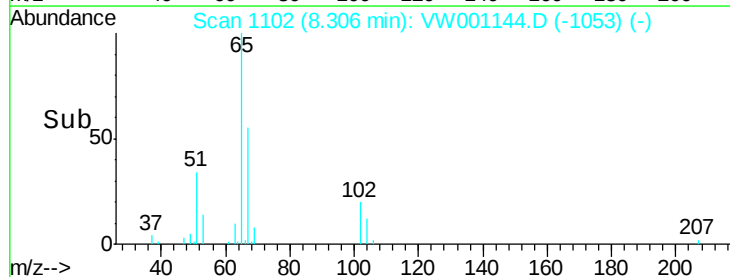
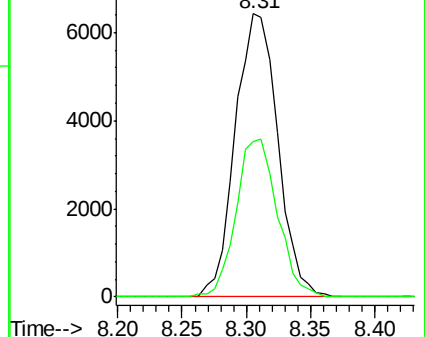
Tgt Ion: 65 Resp: 14697

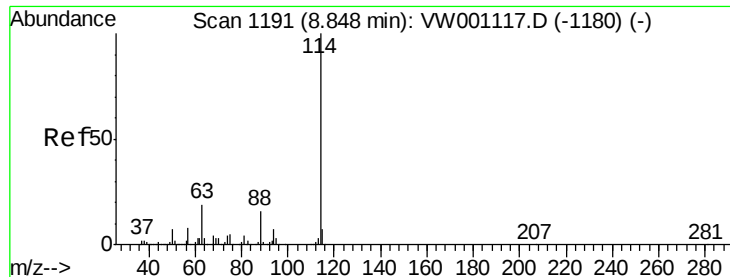
Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	104.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

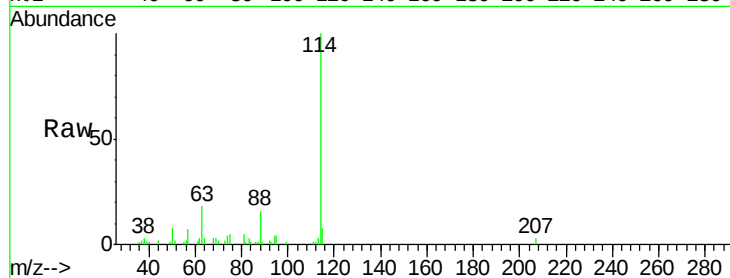




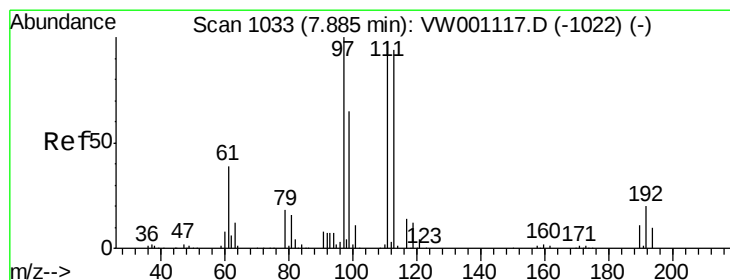
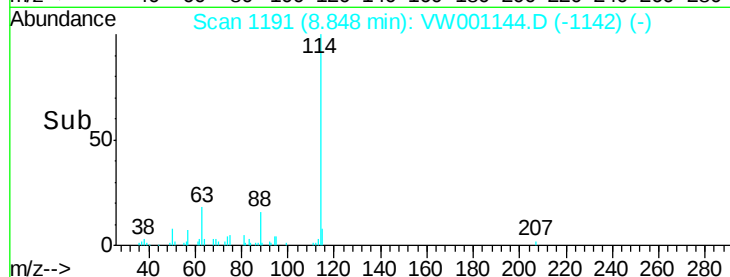
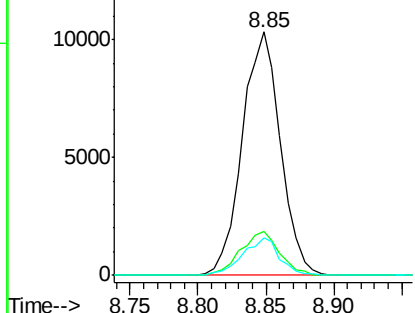
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.85 min Scan# 1191
Delta R.T. 0.00 min
Lab File: VW001144.D
Acq: 30 Jan 2018 02:11

Instrument :
MSVOA_W
ClientSampleId :
EPE-108-4(95-97)RE

Tot Ion:114 Resp: 20262
Ion Ratio Lower Upper
114 100
63 18.2 0.0 38.2
88 15.6 0.0 31.0

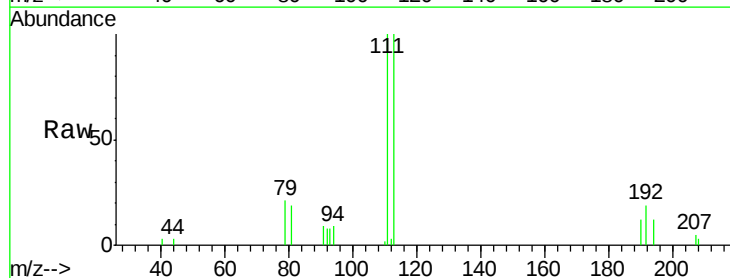


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

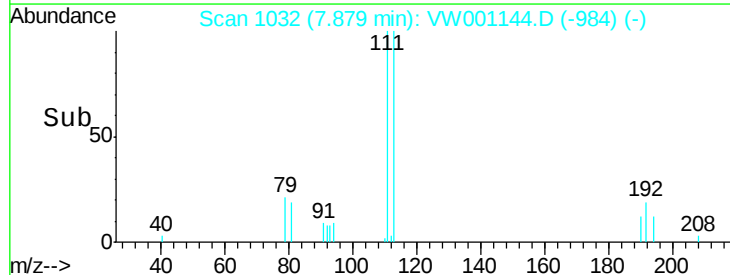
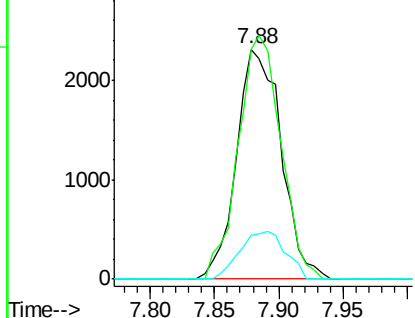


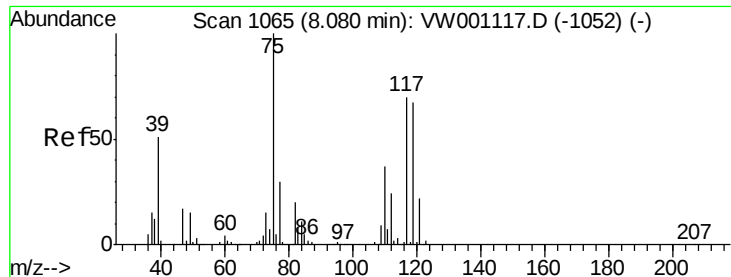
#35
Dibromofluoromethane
Concen: 42.88 ug/l
RT: 7.88 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VW001144.D
Acq: 30 Jan 2018 02:11

Tgt Ion:113 Resp: 5558
Ion Ratio Lower Upper
113 100
111 101.2 83.1 124.7
192 21.1 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: 5.12 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW001144.D

Acq: 30 Jan 2018 02:11

Instrument :

MSVOA_W

ClientSampleId :

EPE-108-4(95-97)RE

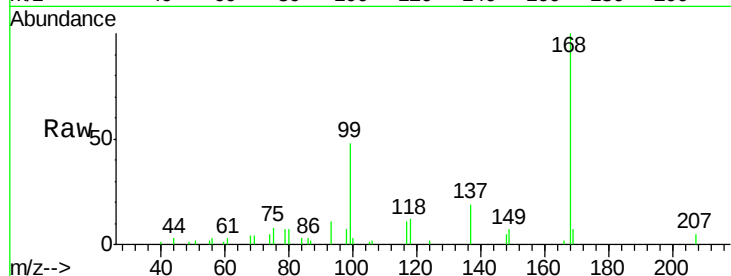
Tot Ion: 75 Resp: 937

Ion Ratio Lower Upper

75 100

110 0.0 18.7 56.1#

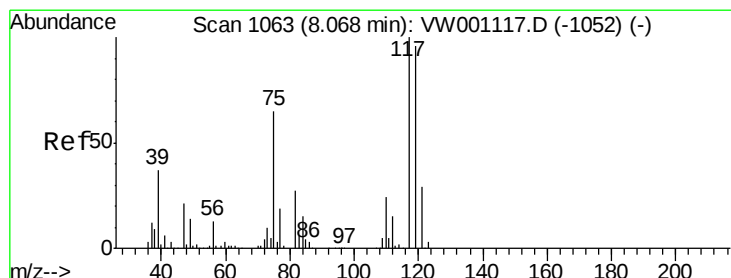
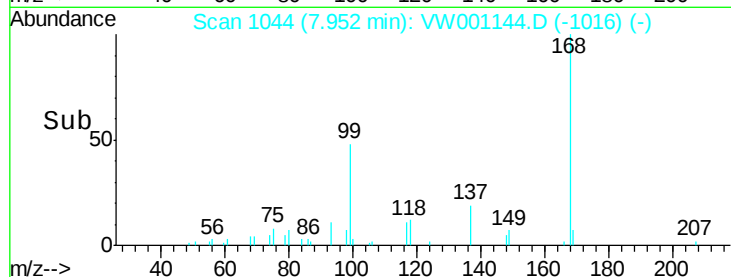
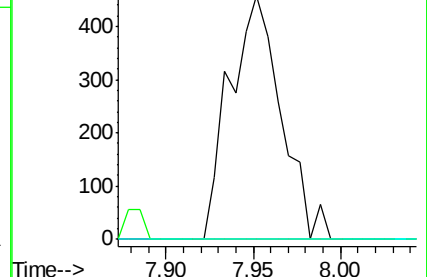
77 0.0 24.6 37.0#



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: 6.36 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW001144.D

Acq: 30 Jan 2018 02:11

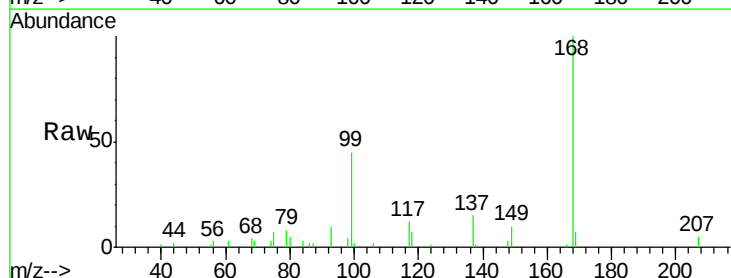
Tgt Ion: 117 Resp: 1300

Ion Ratio Lower Upper

117 100

119 0.0 77.0 115.4#

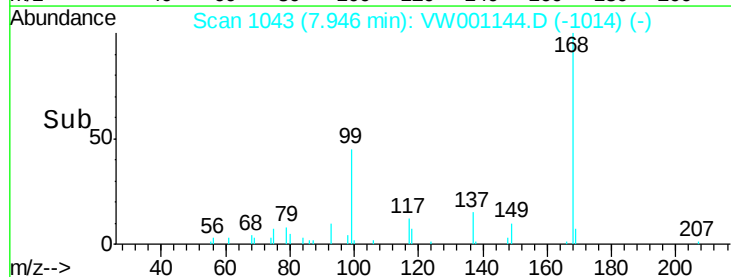
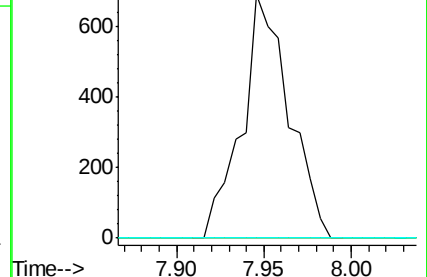
121 0.0 23.5 35.3#

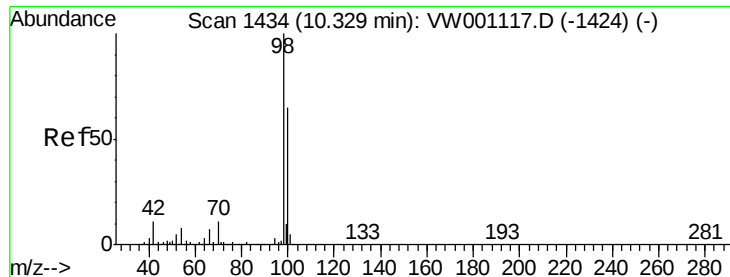


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 41.08 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW001144.D

Acq: 30 Jan 2018 02:11

Instrument :

MSVOA_W

ClientSampleId :

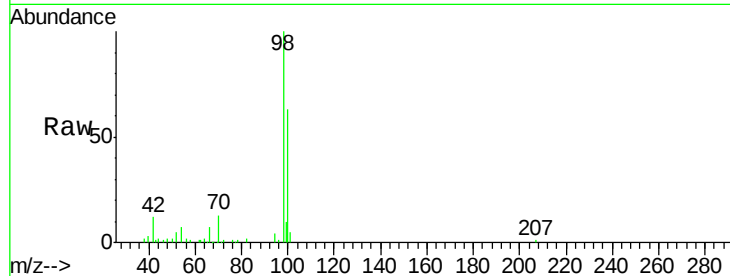
EPE-108-4(95-97)RE

Tot Ion: 98 Resp: 20494

Ion Ratio Lower Upper

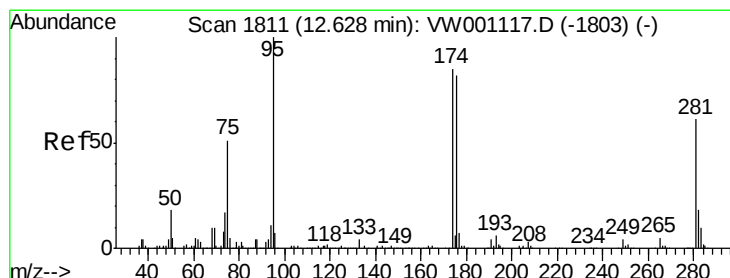
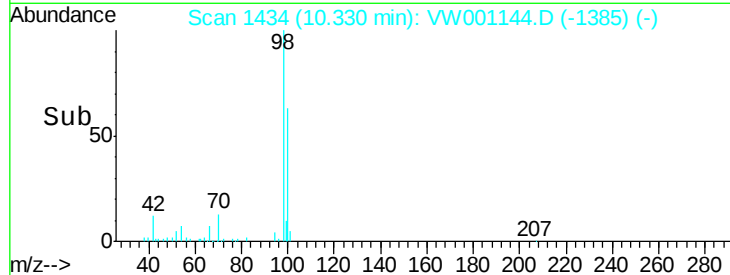
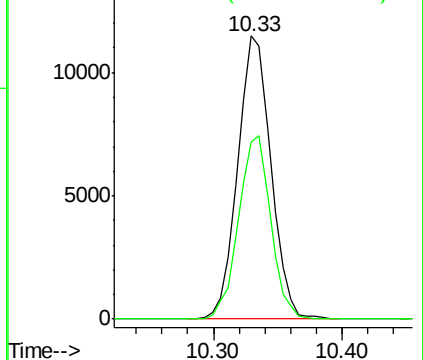
98 100

100 62.4 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: 13.69 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW001144.D

Acq: 30 Jan 2018 02:11

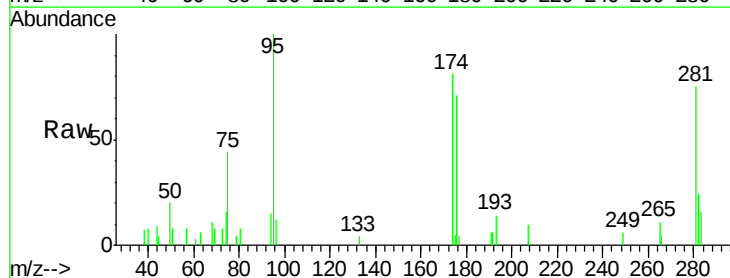
Tgt Ion: 95 Resp: 2516

Ion Ratio Lower Upper

95 100

174 81.0 0.0 179.6

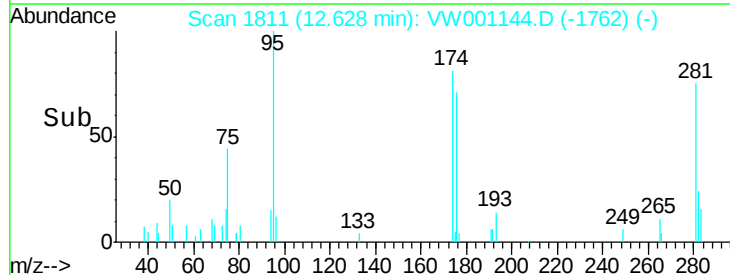
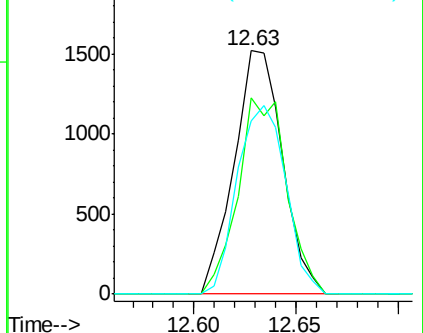
176 77.3 0.0 174.4

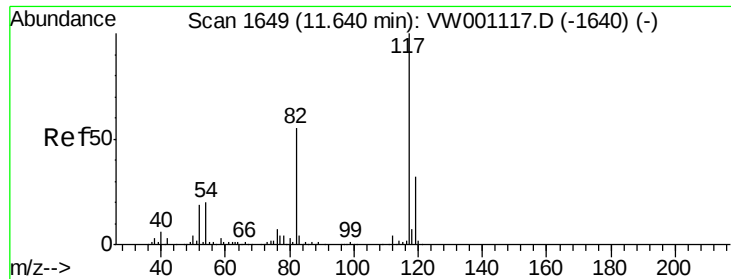


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

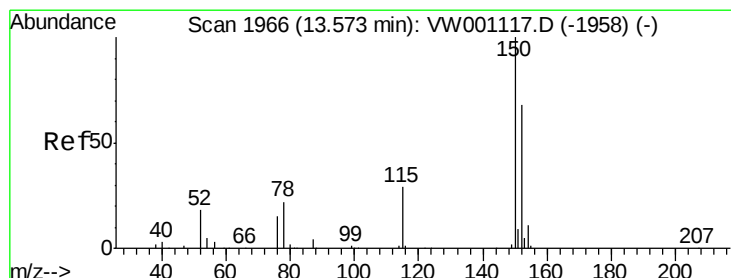
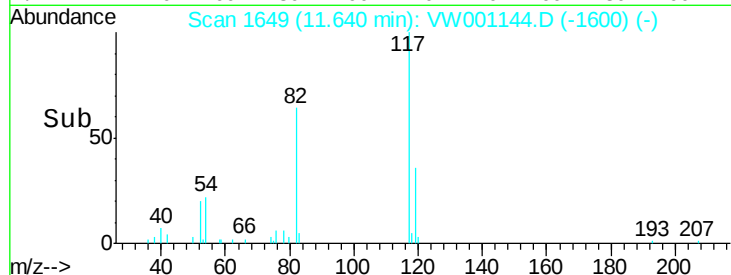
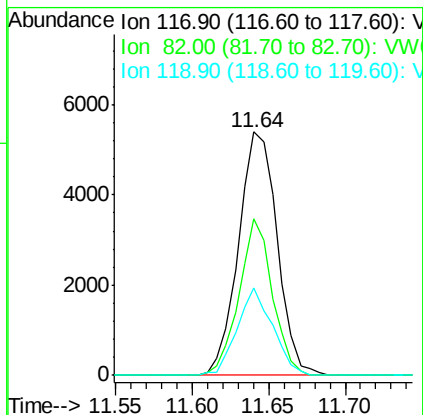
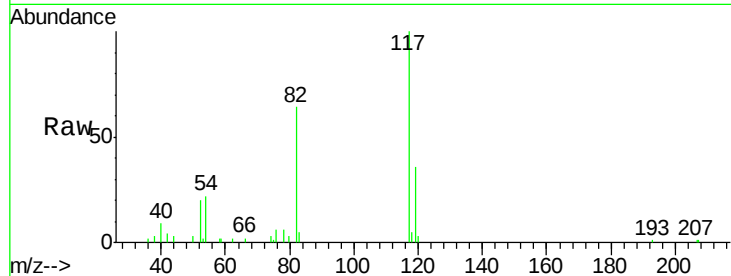




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VW001144.D
Acq: 30 Jan 2018 02:11

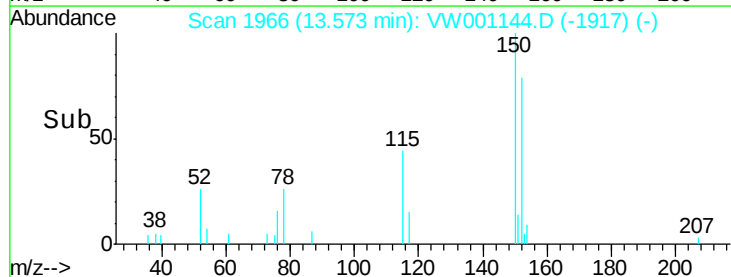
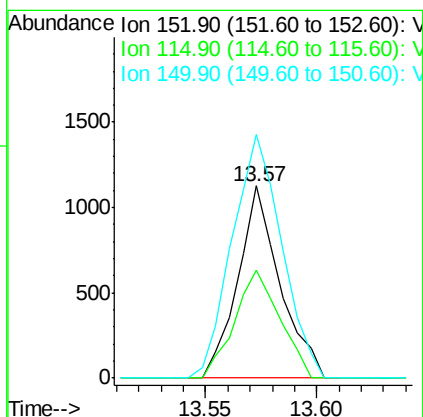
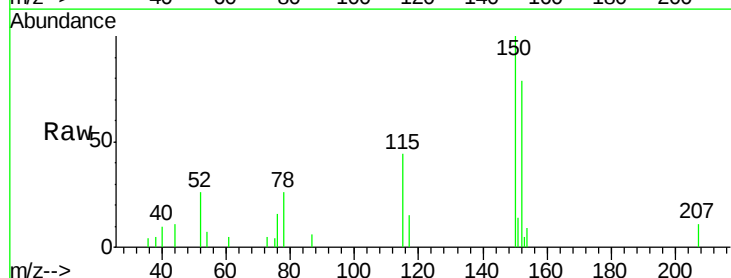
Instrument :
MSVOA_W
ClientSampleId :
EPE-108-4(95-97)RE

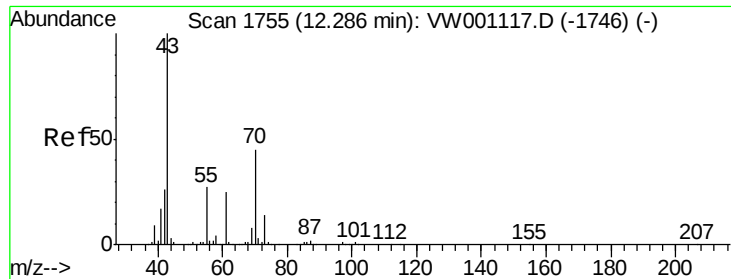
Tot Ion:117 Resp: 9477
Ion Ratio Lower Upper
117 100
82 64.4 43.8 65.8
119 35.9 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1966
Delta R.T. 0.00 min
Lab File: VW001144.D
Acq: 30 Jan 2018 02:11

Tgt Ion:152 Resp: 1480
Ion Ratio Lower Upper
152 100
115 60.2 28.4 85.3
150 149.4 0.0 342.4





#74

N-amvl acetate

Concen: 1.37 ug/l

RT: 12.36 min Scan# 1767

Delta R.T. 0.07 min

Lab File: VW001144.D

Acq: 30 Jan 2018 02:11

Instrument :

MSVOA_W

ClientSampleId :

EPE-108-4(95-97)RE

Tot Ion: 43 Resp: 29

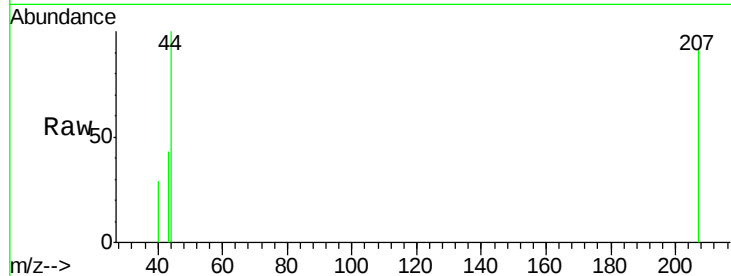
Ion Ratio Lower Upper

43 100

70 0.0 36.0 54.0#

55 0.0 21.7 32.5#

61 0.0 19.8 29.6#

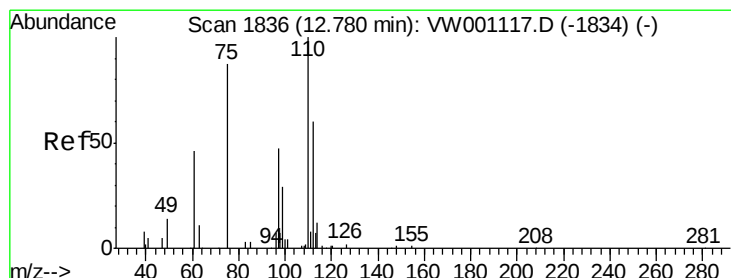
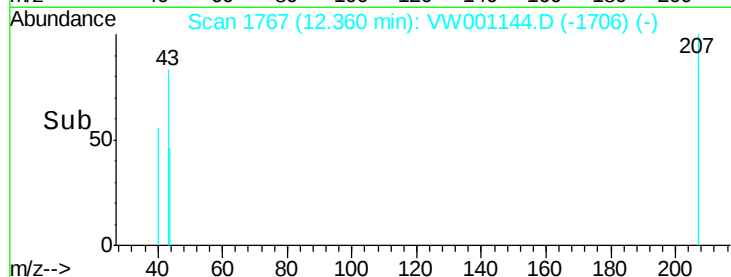
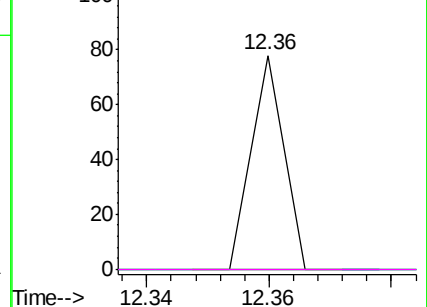


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 78.60 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. -0.15 min

Lab File: VW001144.D

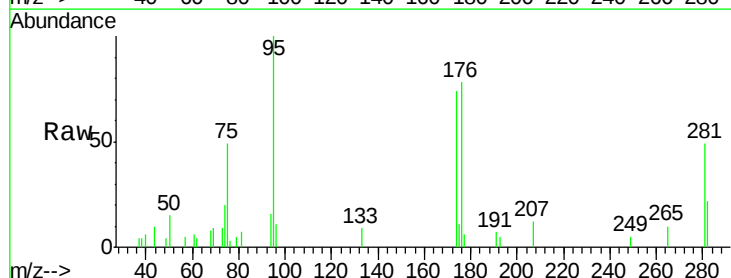
Acq: 30 Jan 2018 02:11

Tgt Ion: 75 Resp: 1179

Ion Ratio Lower Upper

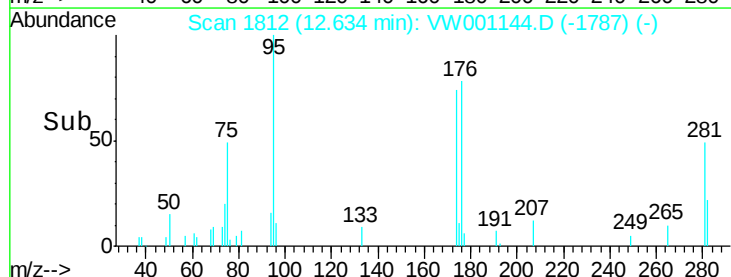
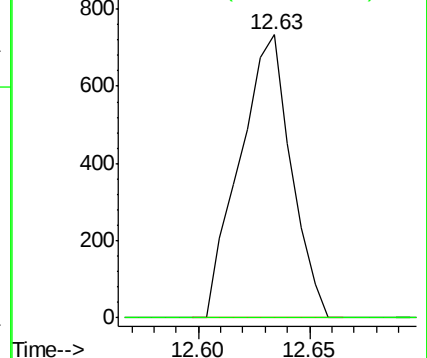
75 100

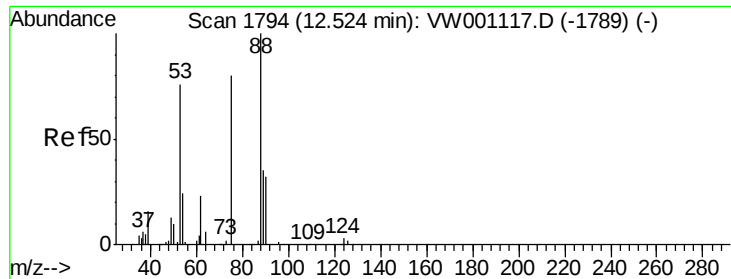
77 0.0 0.0 0.0



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: 206.67 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. 0.11 min

Lab File: VW001144.D

Acq: 30 Jan 2018 02:11

Instrument :

MSVOA_W

ClientSampleId :

EPE-108-4(95-97)RE

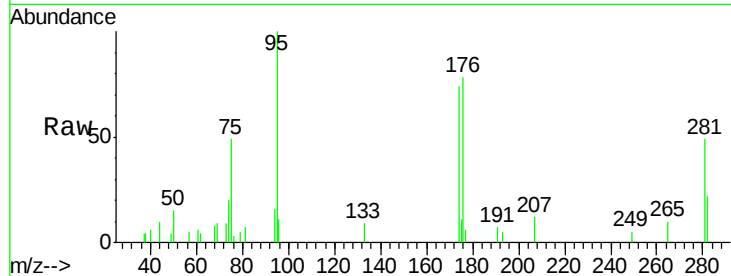
Tot Ion: 75 Resp: 1179

Ion Ratio Lower Upper

75 100

53 0.0 75.0 112.6#

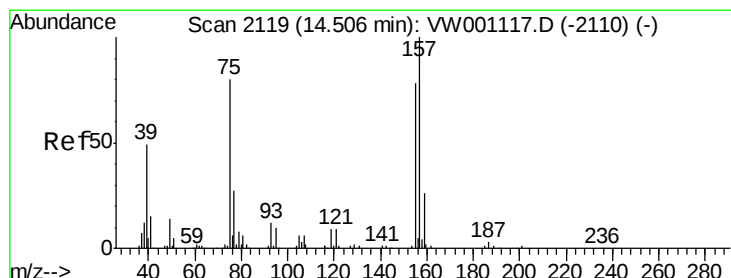
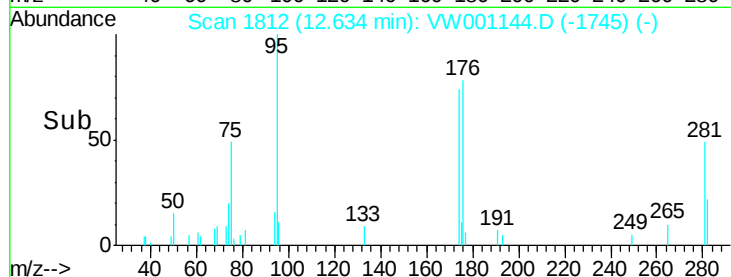
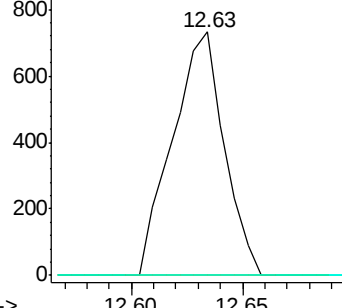
89 0.0 38.2 57.4#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 14.12 ug/l

RT: 14.35 min Scan# 2094

Delta R.T. -0.15 min

Lab File: VW001144.D

Acq: 30 Jan 2018 02:11

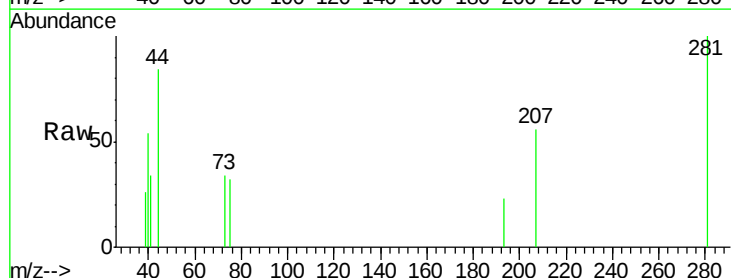
Tgt Ion: 75 Resp: 54

Ion Ratio Lower Upper

75 100

155 0.0 46.3 138.9#

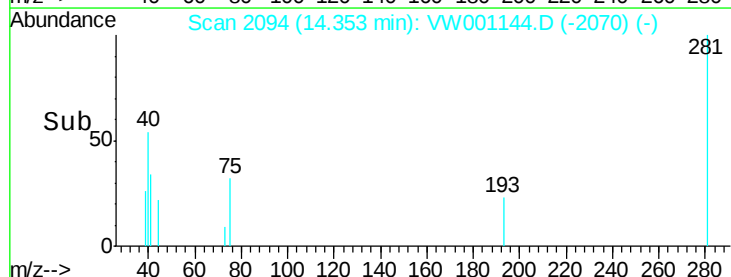
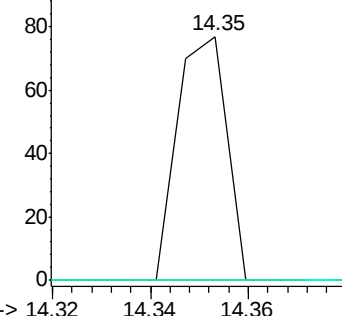
157 0.0 60.0 180.0#

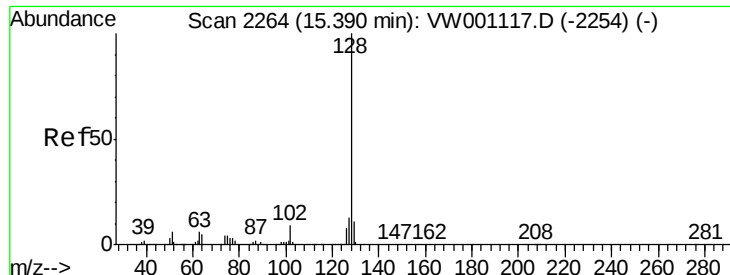


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 3.88 ug/l

RT: 15.39 min Scan# 2264

Delta R.T. 0.00 min

Lab File: VW001144.D

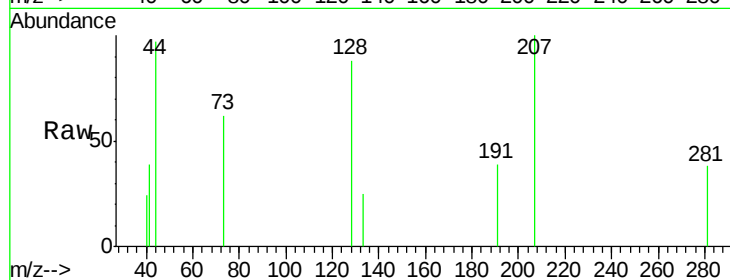
Acq: 30 Jan 2018 02:11

Instrument :

MSVOA_W

ClientSampleId :

EPE-108-4(95-97)RE



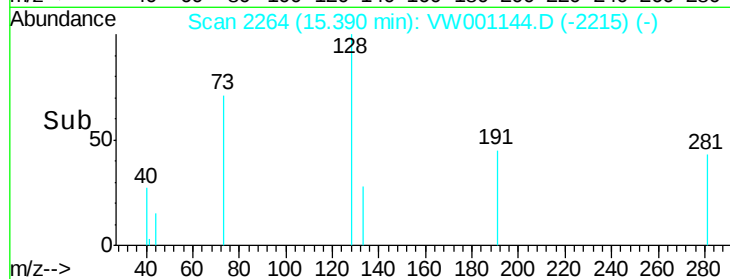
Tot Ion:128 Resp: 245

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 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

250

200

150

100

50

0

15.35

15.40

15.39

Time-->