

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW012918\
 Data File : VW001141.D
 Acq On : 30 Jan 2018 00:57
 Operator : JC/SY
 Sample : J1288-03RE
 Misc : 6.49G/5.0ML/MSVOA W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EPE-108-4(80-82)RE

Quant Time: Jan 30 15:05:58 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	4061	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	6673	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	6130	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	1273	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	5265	133.36	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	266.72%	
35) Dibromofluoromethane	7.89	113	846	19.82	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	39.64%	
50) Toluene-d8	10.33	98	8106	49.34	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.68%	
62) 4-Bromofluorobenzene	12.64	95	2120	35.02	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	70.04%	

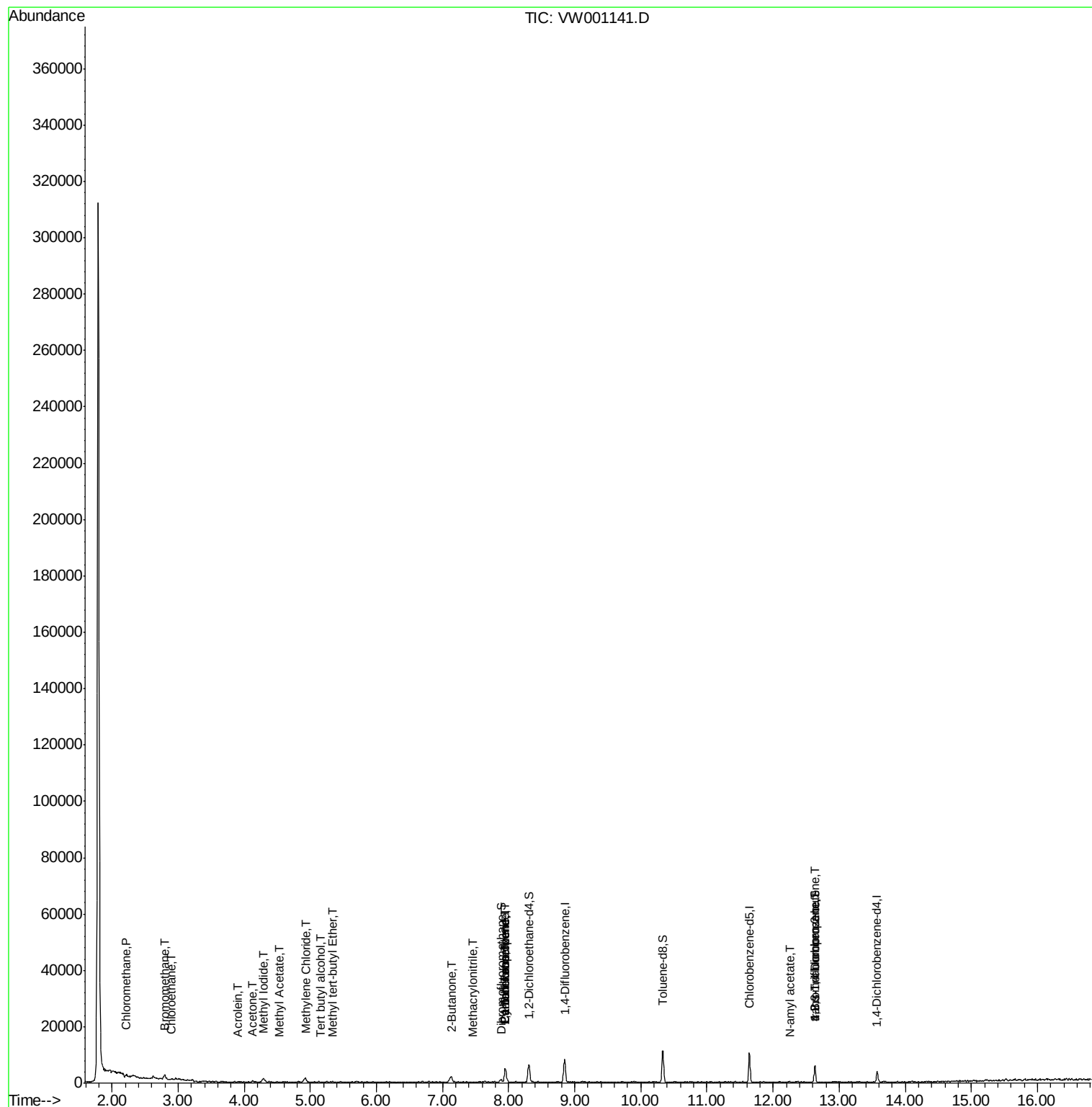
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	707	23.52	ug/l #	76
5) Bromomethane	2.80	94	1128	64.86	ug/l	88
6) Chloroethane	2.90	64	202	11.89	ug/l #	42
10) Methyl Iodide	4.29	142	2180	55.80	ug/l #	92
11) Tert butyl alcohol	5.16	59	24	7.57	ug/l #	73
13) Acrolein	3.90	56	89	17.47	ug/l #	48
16) Acetone	4.13	43	791	76.20	ug/l	96
18) Methyl Acetate	4.53	43	36	1.12	ug/l #	50
19) Methyl tert-butyl Ether	5.34	73	84	1.00	ug/l #	56
20) Methylene Chloride	4.93	84	1251	35.74	ug/l #	74
25) 2-Butanone	7.14	43	106	7.78	ug/l #	46
31) Cyclohexane	7.95	56	106	1.81	ug/l #	13
36) 1,1-Dichloropropene	7.96	75	341	5.66	ug/l #	50
38) Carbon Tetrachloride	7.95	117	343	5.10	ug/l #	12
41) Methacrylonitrile	7.46	41	24	1.36	ug/l #	21
74) N-amyl acetate	12.26	43	42	2.31	ug/l #	44
76) 1,2,3-Trichloropropane	12.63	75	1116	86.50	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	1116	227.44	ug/l #	12

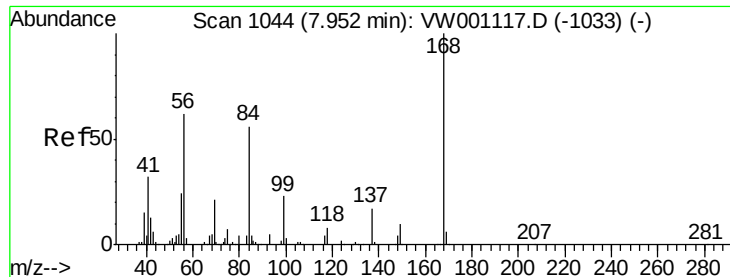
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW001141.D

Acq: 30 Jan 2018 00:57

Instrument :

MSVOA_W

ClientSampleId :

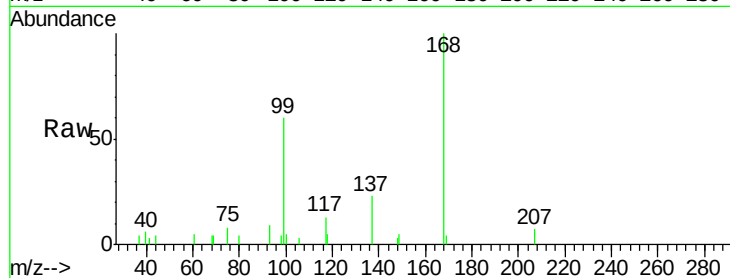
EPE-108-4(80-82)RE

Tot Ion:168 Resp: 4061

Ion Ratio Lower Upper

168 100

99 59.7 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

1500

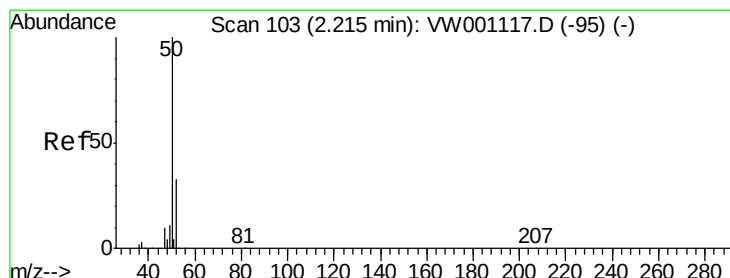
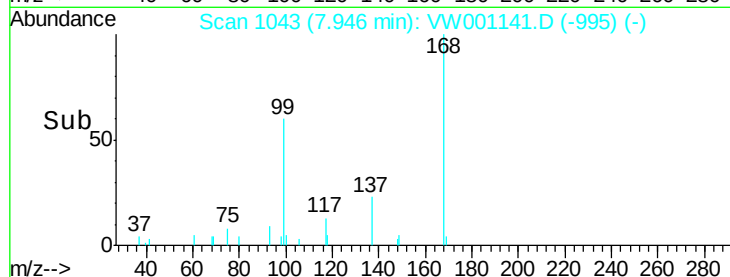
1000

500

0

7.90 7.95 8.00

Time-->



#3

Chloromethane

Concen: 23.52 ug/l

RT: 2.21 min Scan# 102

Delta R.T. -0.01 min

Lab File: VW001141.D

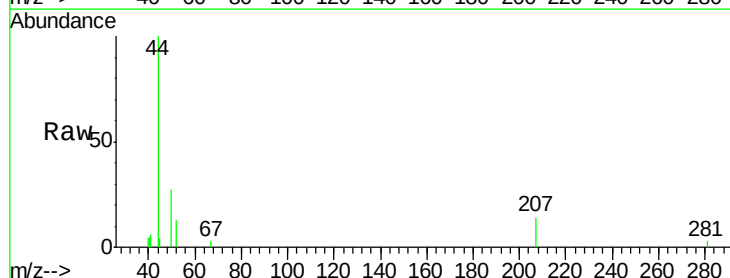
Acq: 30 Jan 2018 00:57

Tgt Ion: 50 Resp: 707

Ion Ratio Lower Upper

50 100

52 46.2 26.2 39.4#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.21

500

400

300

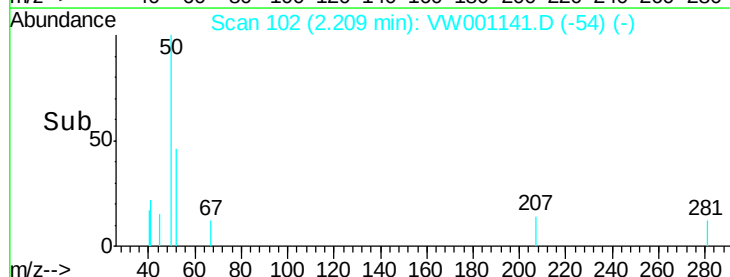
200

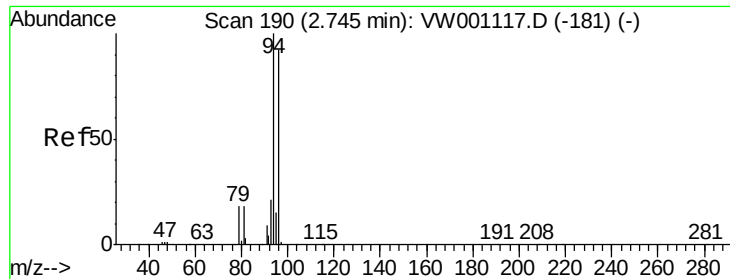
100

0

2.20 2.25

Time-->





#5

Bromomethane

Concen: 64.86 ug/l

RT: 2.80 min Scan# 199

Delta R.T. 0.06 min

Lab File: VW001141.D

Acq: 30 Jan 2018 00:57

Instrument :

MSVOA_W

ClientSampleId :

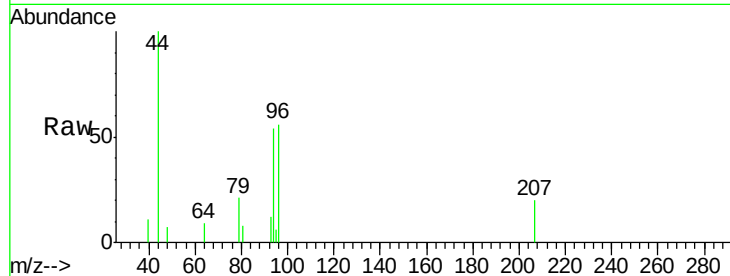
EPE-108-4(80-82)RE

Tot Ion: 94 Resp: 1128

Ion Ratio Lower Upper

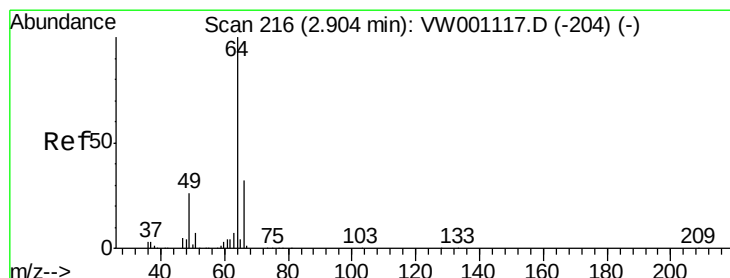
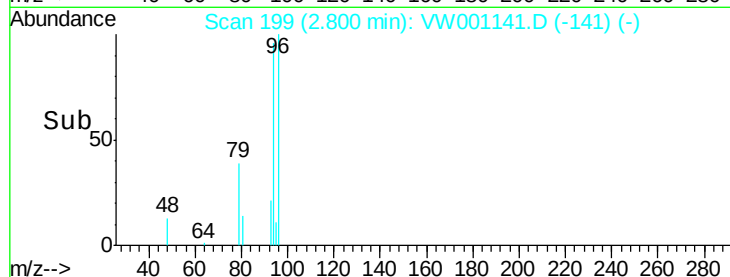
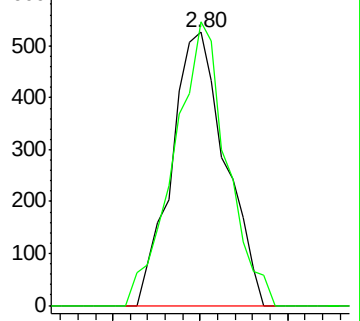
94 100

96 103.8 73.7 110.5



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 11.89 ug/l

RT: 2.90 min Scan# 215

Delta R.T. -0.01 min

Lab File: VW001141.D

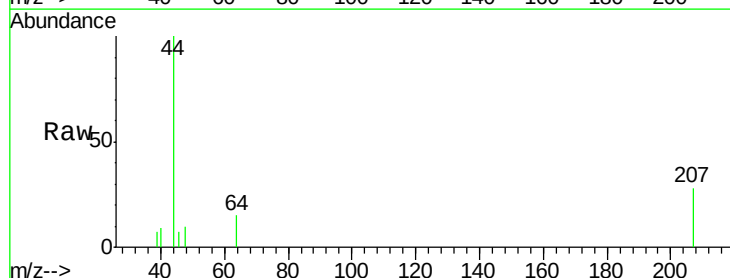
Acq: 30 Jan 2018 00:57

Tgt Ion: 64 Resp: 202

Ion Ratio Lower Upper

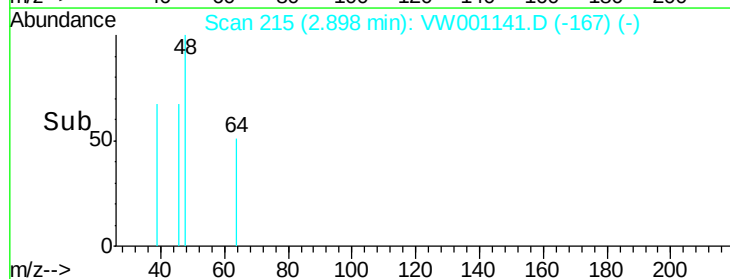
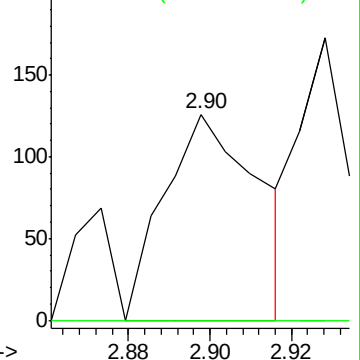
64 100

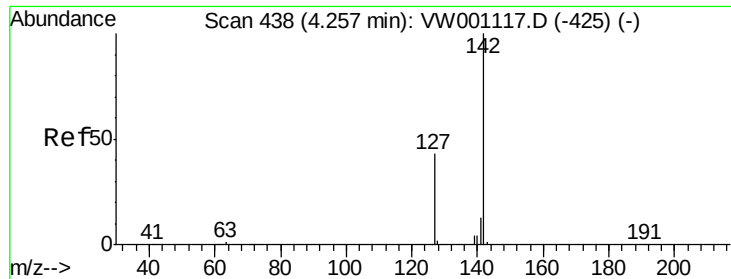
66 0.0 25.8 38.8#



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

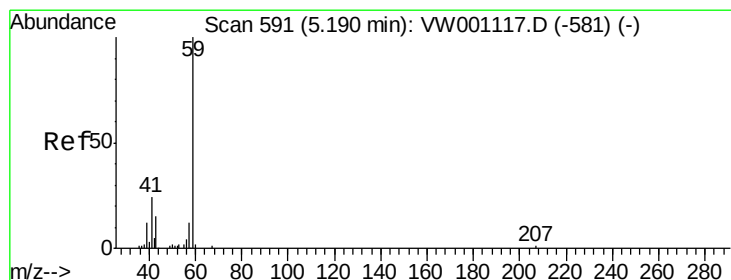
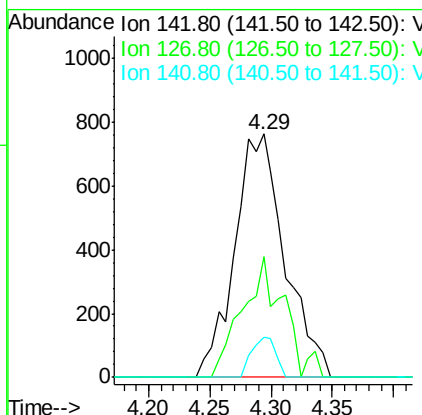
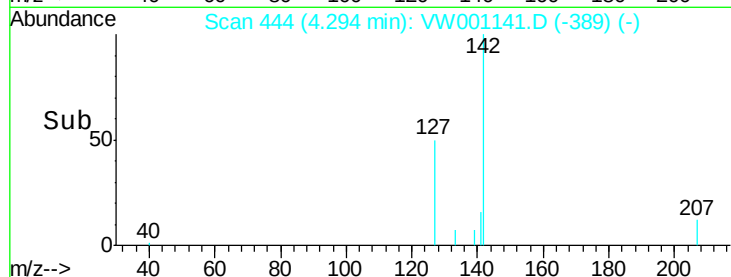
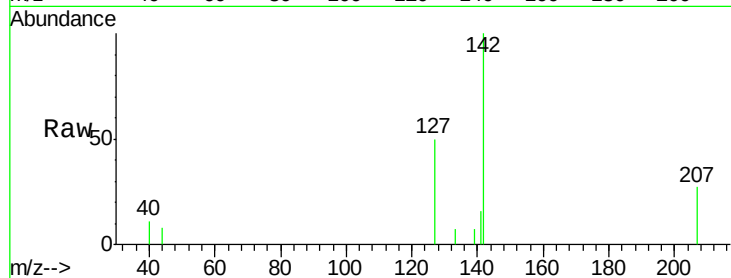




#10
Methvl Iodide
Concen: 55.80 ug/l
RT: 4.29 min Scan# 444
Delta R.T. 0.04 min
Lab File: VW001141.D
Acq: 30 Jan 2018 00:57

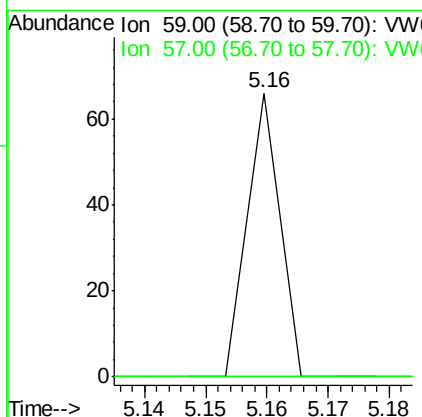
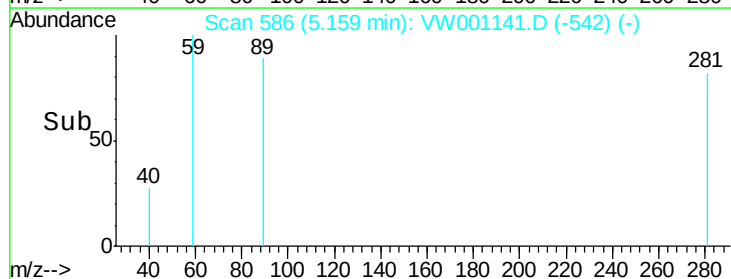
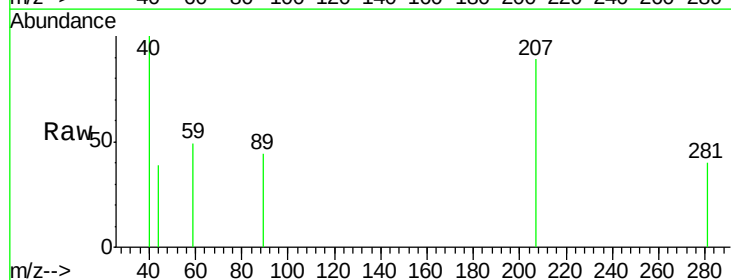
Instrument :
MSVOA_W
ClientSampleId :
EPE-108-4(80-82)RE

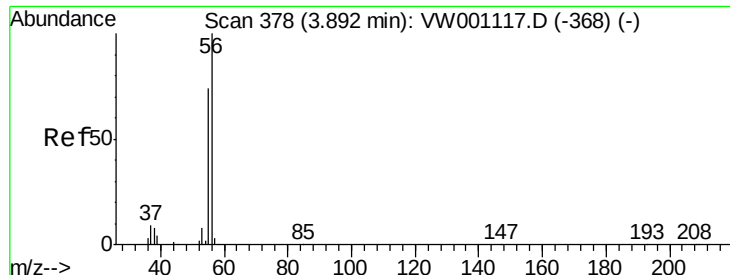
Tot Ion:142 Resp: 2180
Ion Ratio Lower Upper
142 100
127 41.1 35.4 53.2
141 8.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 7.57 ug/l
RT: 5.16 min Scan# 586
Delta R.T. -0.03 min
Lab File: VW001141.D
Acq: 30 Jan 2018 00:57

Tgt Ion: 59 Resp: 24
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#13

Acrolein

Concen: 17.47 ug/l

RT: 3.90 min Scan# 380

Delta R.T. 0.01 min

Lab File: VW001141.D

Acq: 30 Jan 2018 00:57

Instrument :

MSVOA_W

ClientSampleId :

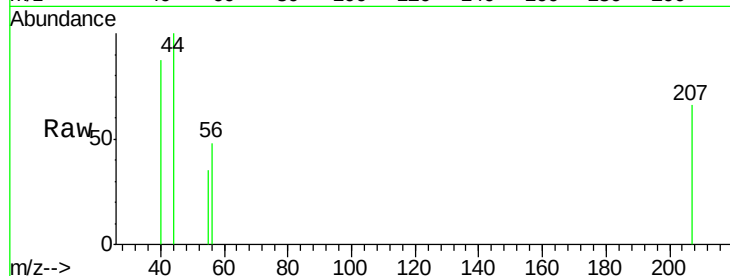
EPE-108-4(80-82)RE

Tot Ion: 56 Resp: 89

Ion Ratio Lower Upper

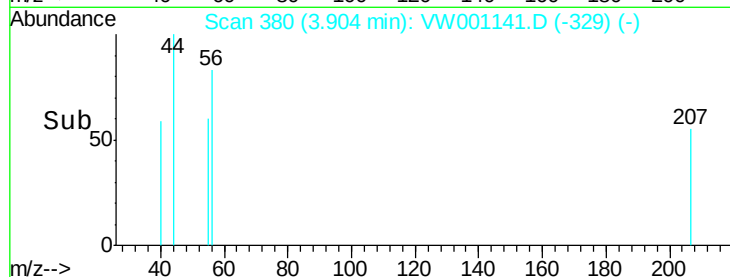
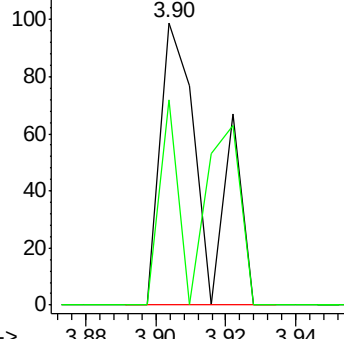
56 100

55 29.2 58.2 87.4#

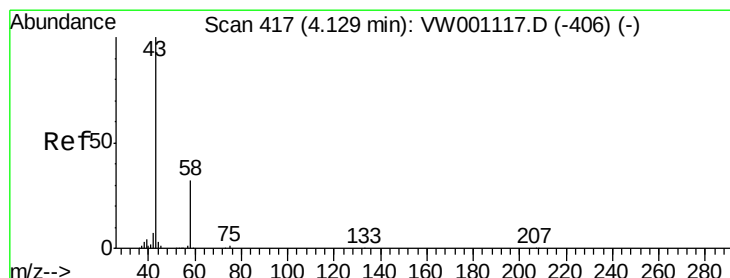


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



Time-->



#16

Acetone

Concen: 76.20 ug/l

RT: 4.13 min Scan# 417

Delta R.T. -0.00 min

Lab File: VW001141.D

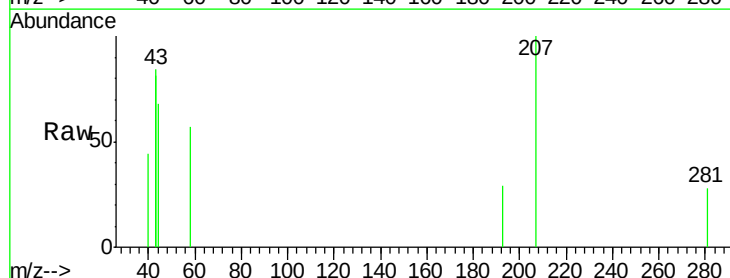
Acq: 30 Jan 2018 00:57

Tgt Ion: 43 Resp: 791

Ion Ratio Lower Upper

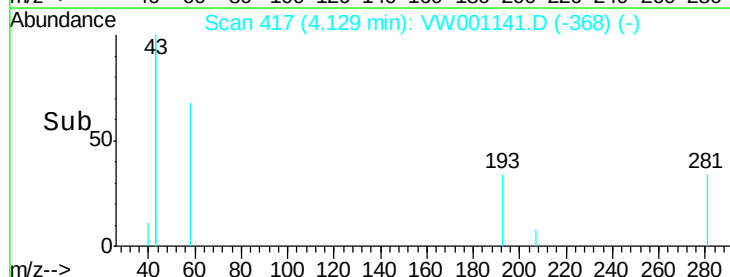
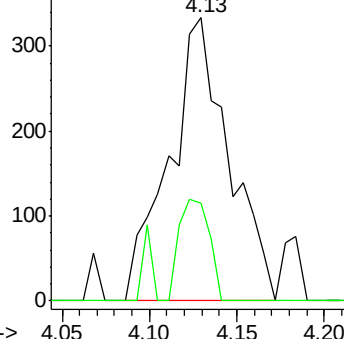
43 100

58 34.5 25.7 38.5

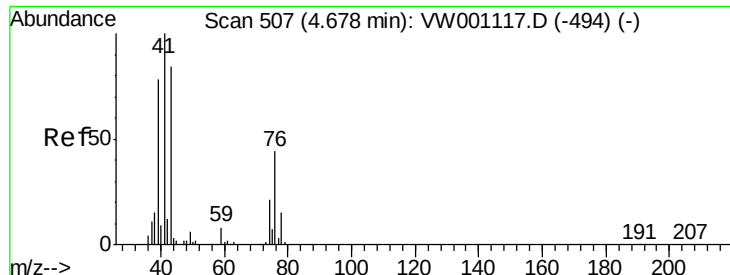


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



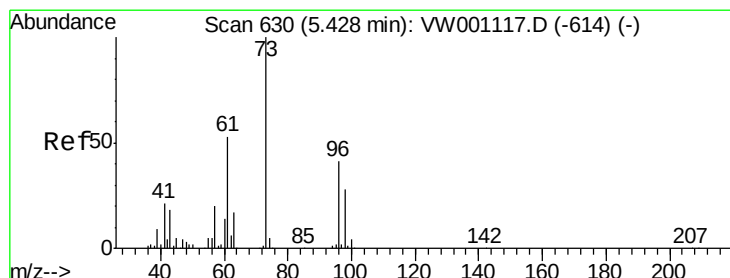
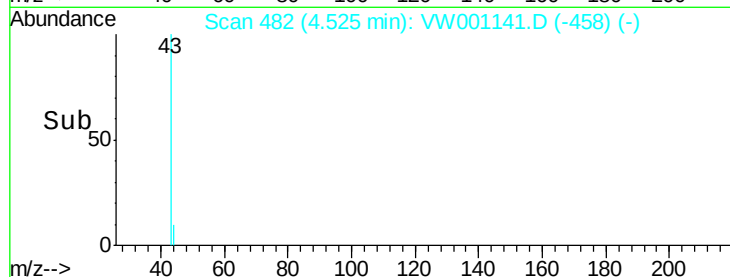
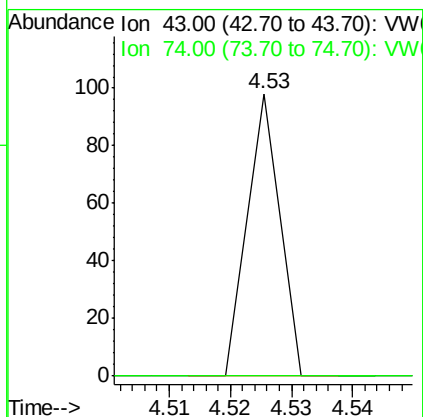
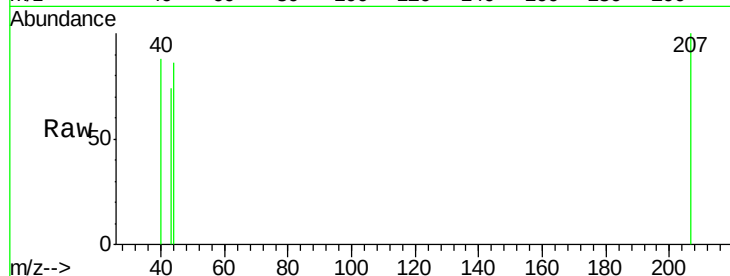
Time-->



#18
Methyl Acetate
Concen: 1.12 ug/l
RT: 4.53 min Scan# 482
Delta R.T. -0.15 min
Lab File: VW001141.D
Acq: 30 Jan 2018 00:57

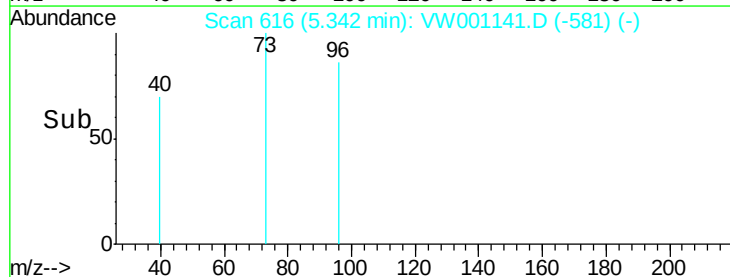
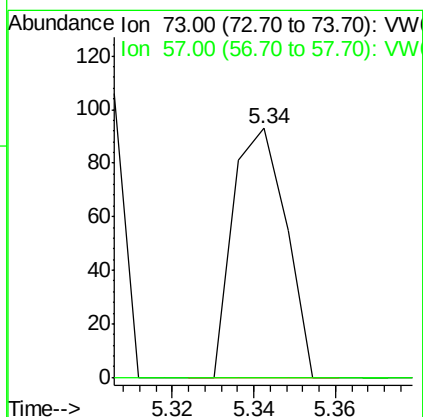
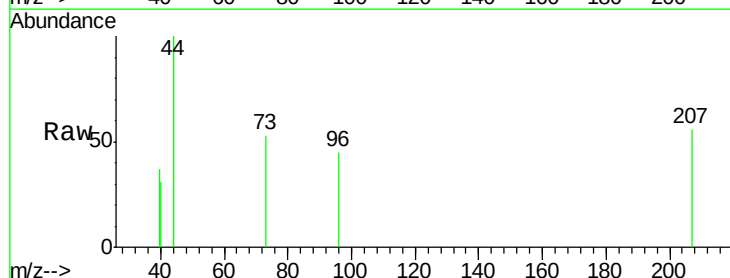
Instrument :
MSVOA_W
ClientSampleId :
EPE-108-4(80-82)RE

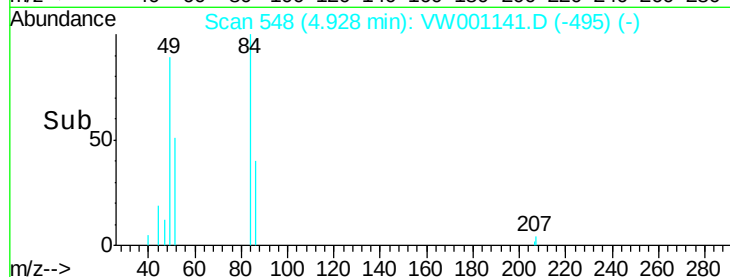
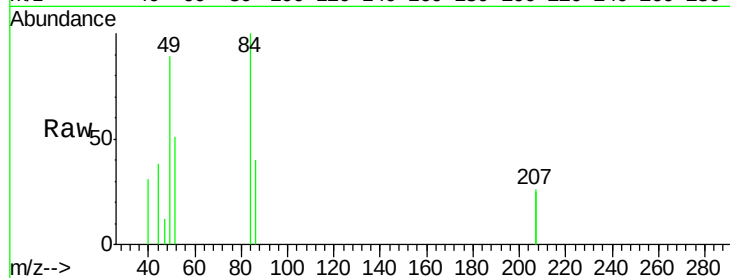
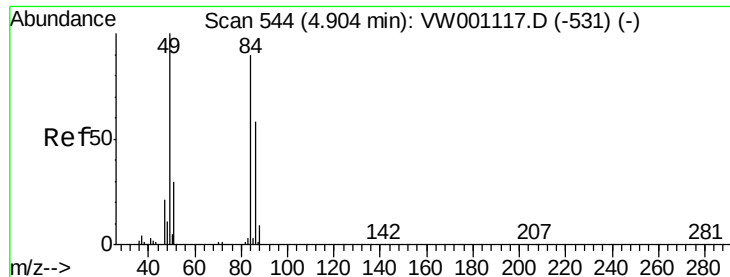
Tot Ion: 43 Resp: 36
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#



#19
Methyl tert-butyl Ether
Concen: 1.00 ug/l
RT: 5.34 min Scan# 616
Delta R.T. -0.09 min
Lab File: VW001141.D
Acq: 30 Jan 2018 00:57

Tgt Ion: 73 Resp: 84
Ion Ratio Lower Upper
73 100
57 0.0 16.1 24.1#

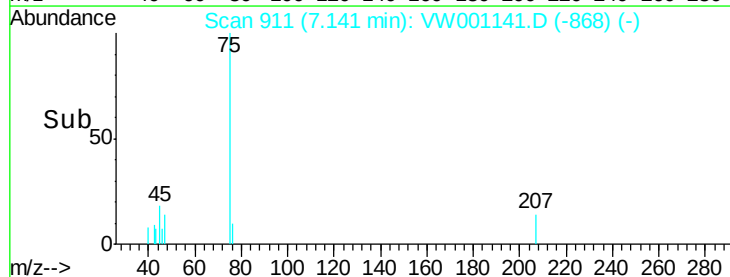
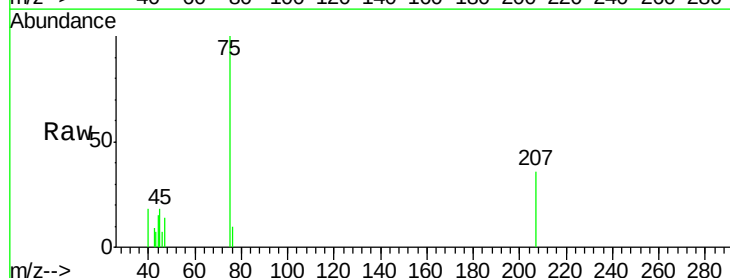
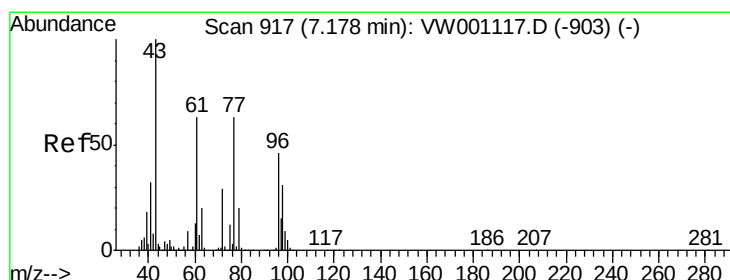
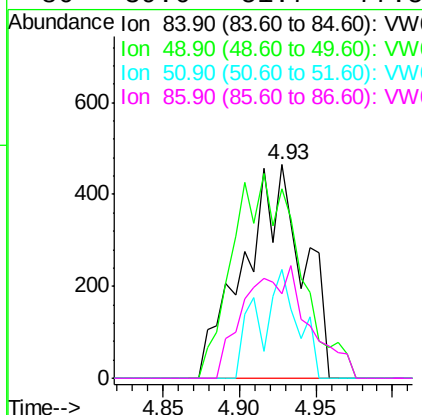




#20
Methylene Chloride
Concen: 35.74 ug/l
RT: 4.93 min Scan# 548
Delta R.T. 0.02 min
Lab File: VW001141.D
Acq: 30 Jan 2018 00:57

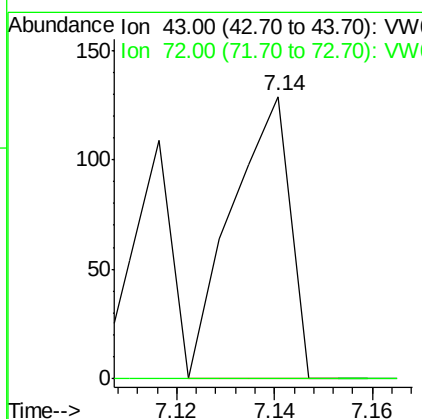
Instrument :
MSVOA_W
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EPE-108-4(80-82)RE

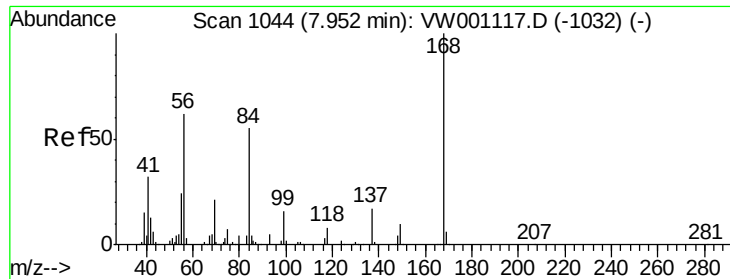
Tot Ion: 84 Resp: 1251
Ion Ratio Lower Upper
84 100
49 88.6 89.2 133.8#
51 51.2 26.7 40.1#
86 39.6 51.7 77.5#



#25
2-Butanone
Concen: 7.78 ug/l
RT: 7.14 min Scan# 911
Delta R.T. -0.04 min
Lab File: VW001141.D
Acq: 30 Jan 2018 00:57

Tgt Ion: 43 Resp: 106
Ion Ratio Lower Upper
43 100
72 0.0 22.8 34.2#

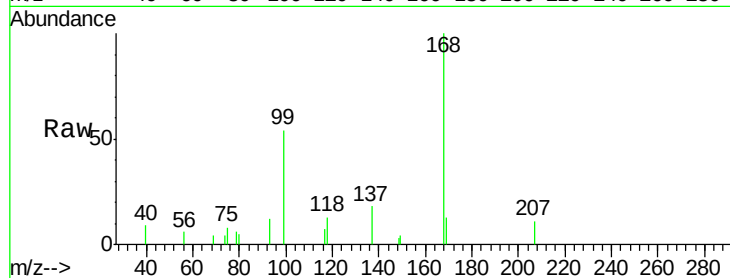




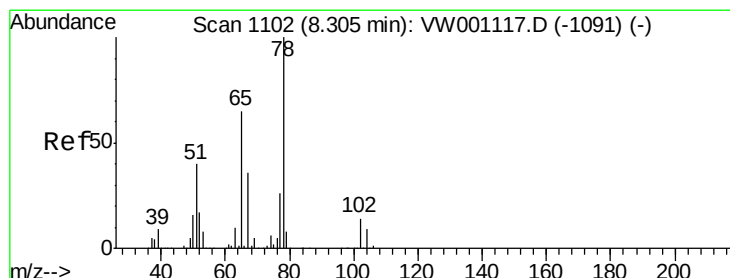
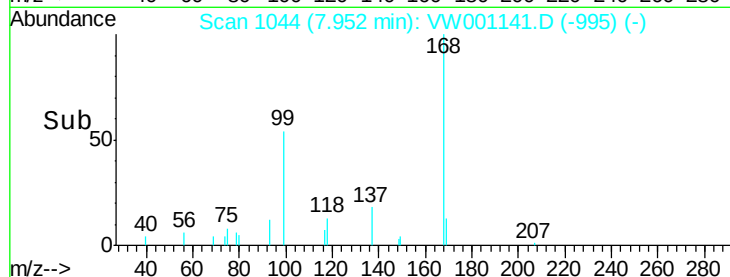
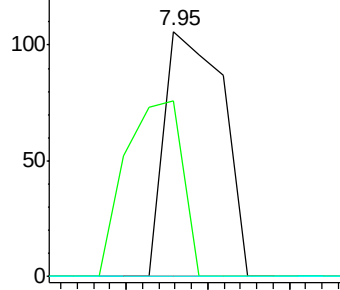
#31
Cyclohexane
Concen: 1.81 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW001141.D
Acq: 30 Jan 2018 00:57

Instrument :
MSVOA_W
ClientSampleId :
EPE-108-4(80-82)RE

Tot Ion: 56 Resp: 106
Ion Ratio Lower Upper
56 100
69 71.7 27.4 41.0#
84 0.0 71.1 106.7#

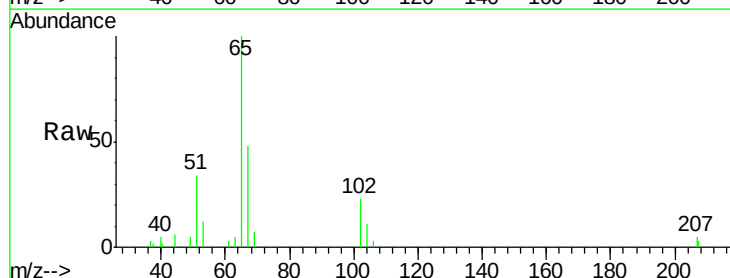


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

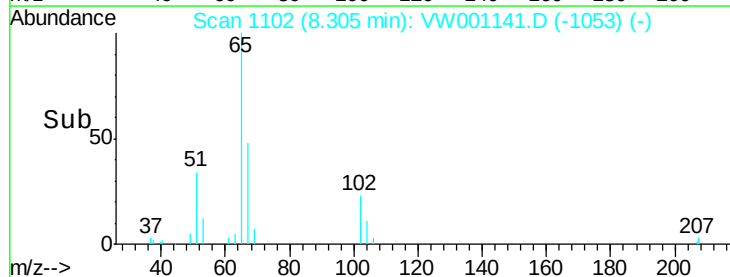
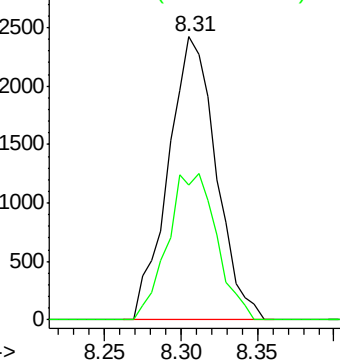


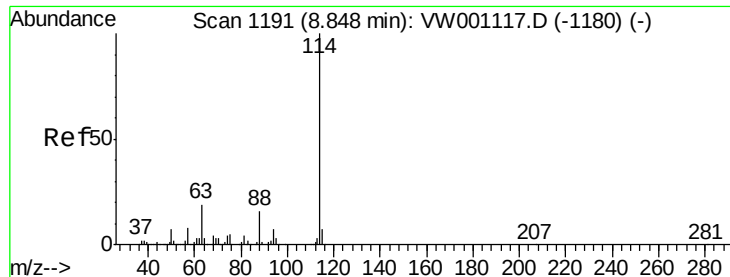
#33
1,2-Dichloroethane-d4
Concen: 133.36 ug/l
RT: 8.31 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VW001141.D
Acq: 30 Jan 2018 00:57

Tgt Ion: 65 Resp: 5265
Ion Ratio Lower Upper
65 100
67 53.1 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: VW001141.D

Acq: 30 Jan 2018 00:57

Instrument :

MSVOA_W

ClientSampleId :

EPE-108-4(80-82)RE

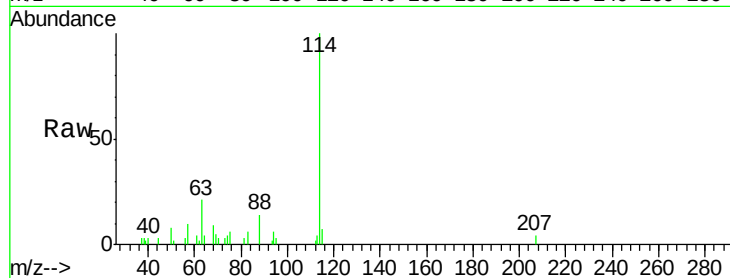
Tot Ion:114 Resp: 6673

Ion Ratio Lower Upper

114 100

63 21.1 0.0 38.2

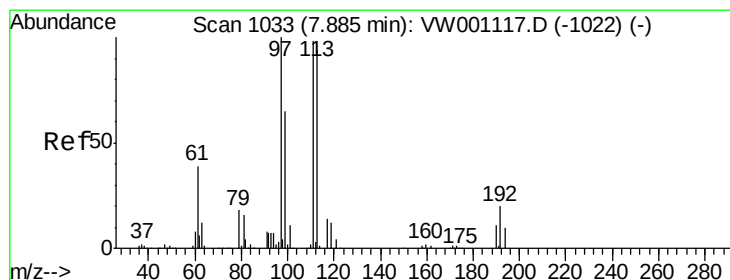
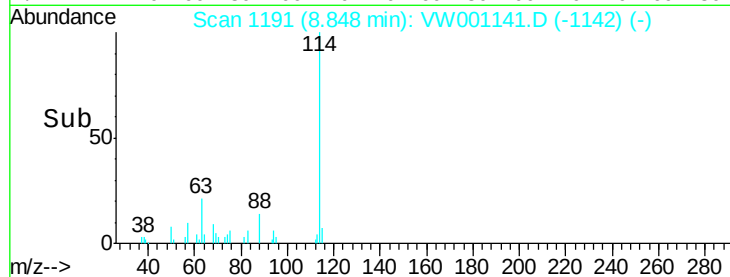
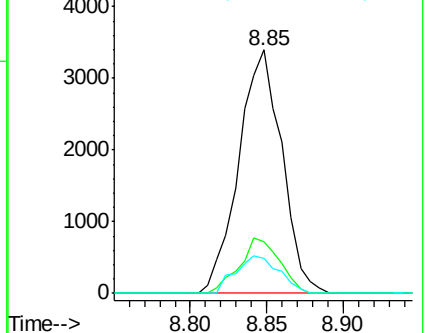
88 14.2 0.0 31.0



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: 19.82 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. 0.01 min

Lab File: VW001141.D

Acq: 30 Jan 2018 00:57

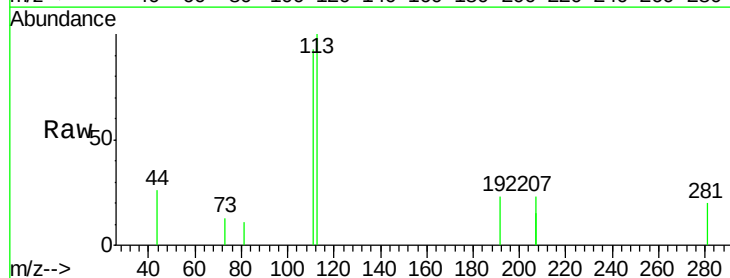
Tgt Ion:113 Resp: 846

Ion Ratio Lower Upper

113 100

111 91.3 83.1 124.7

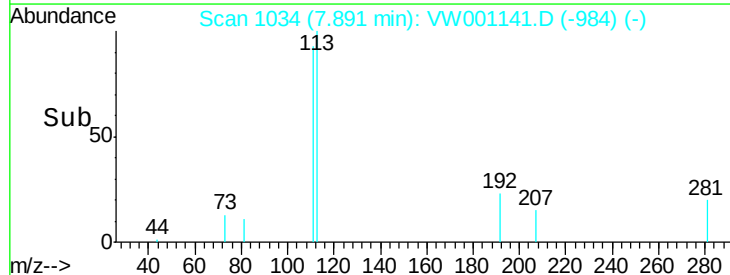
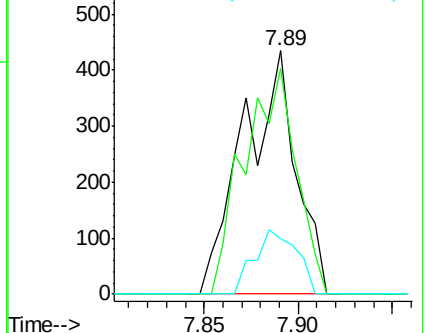
192 21.0 17.8 26.6

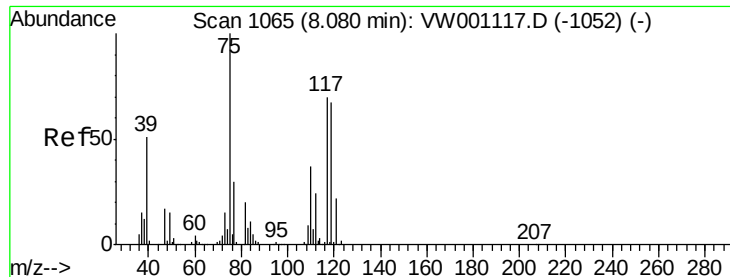


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.66 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.12 min

Lab File: VW001141.D

Acq: 30 Jan 2018 00:57

Instrument :

MSVOA_W

ClientSampleId :

EPE-108-4(80-82)RE

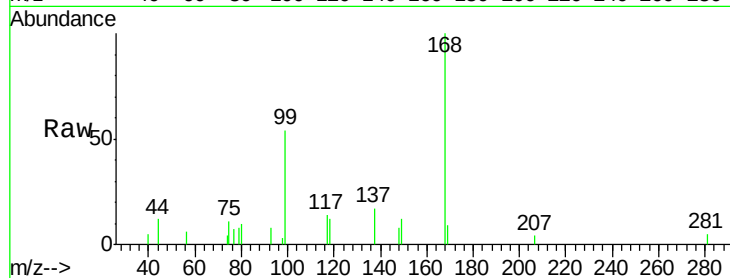
Tot Ion: 75 Resp: 341

Ion Ratio Lower Upper

75 100

110 0.0 18.7 56.1#

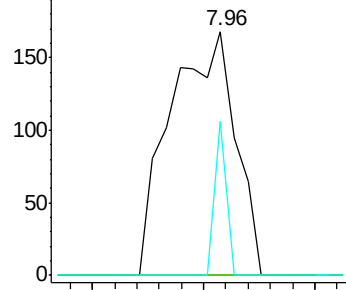
77 11.4 24.6 37.0#



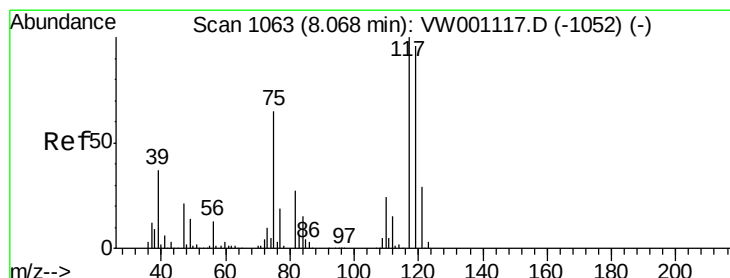
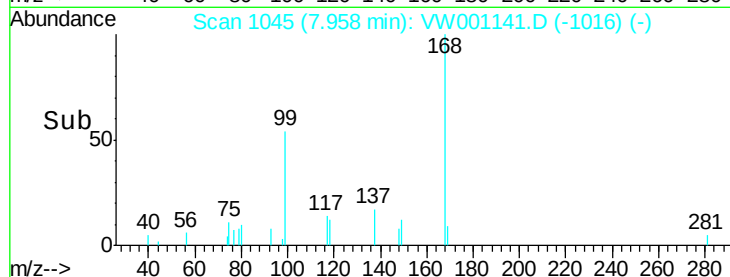
Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW



Time-->



#38

Carbon Tetrachloride

Concen: 5.10 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW001141.D

Acq: 30 Jan 2018 00:57

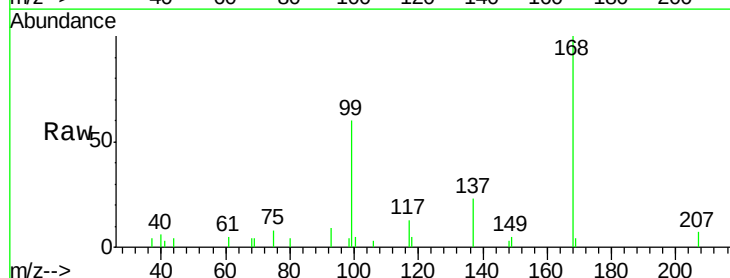
Tgt Ion: 117 Resp: 343

Ion Ratio Lower Upper

117 100

119 0.0 77.0 115.4#

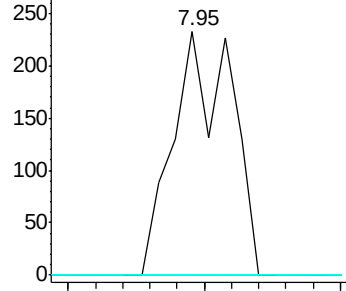
121 0.0 23.5 35.3#



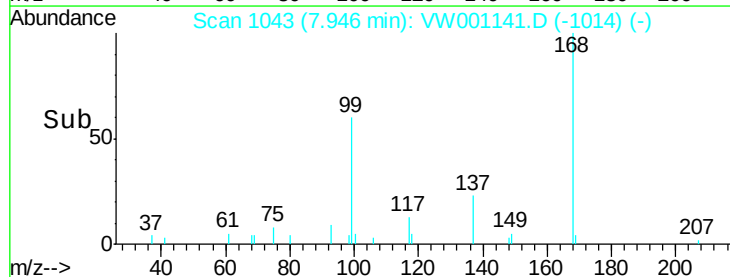
Abundance Ion 116.80 (116.50 to 117.50): V

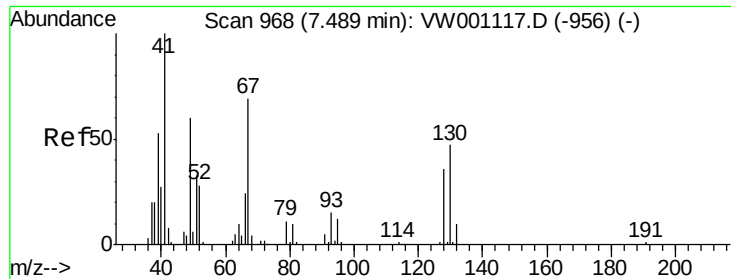
Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



Time-->

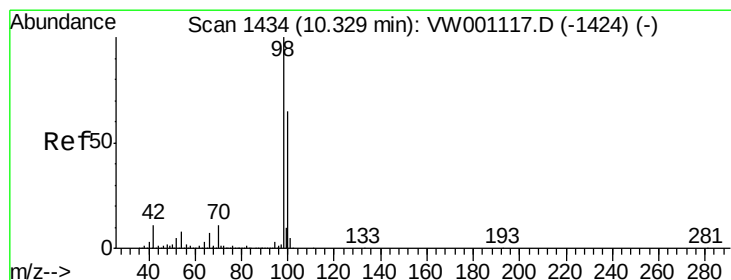
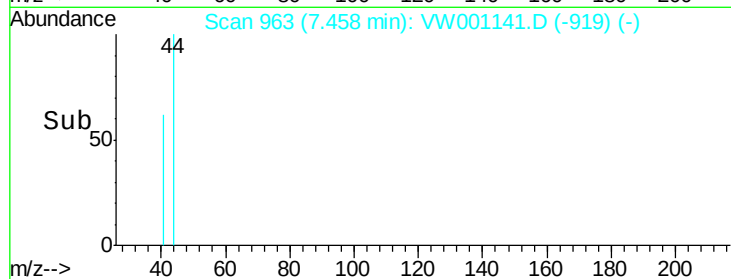
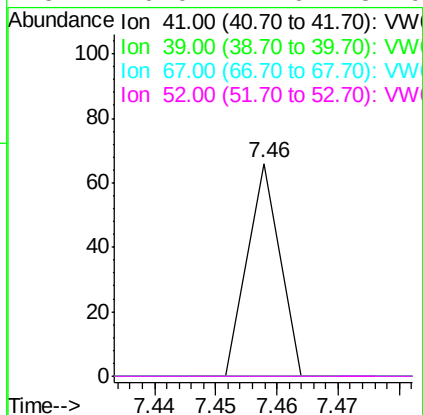
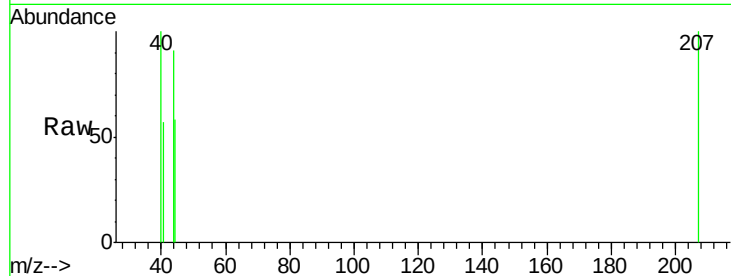




#41
Methacrylonitrile
Concen: 1.36 ug/l
RT: 7.46 min Scan# 963
Delta R.T. -0.03 min
Lab File: VW001141.D
Acq: 30 Jan 2018 00:57

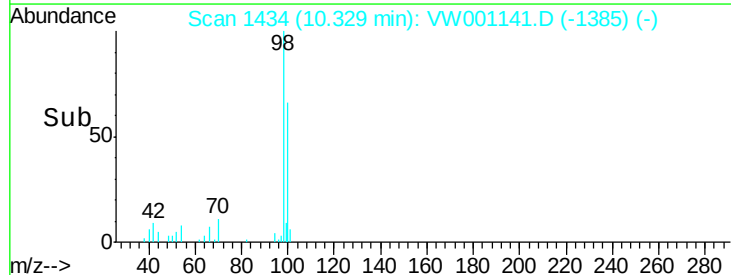
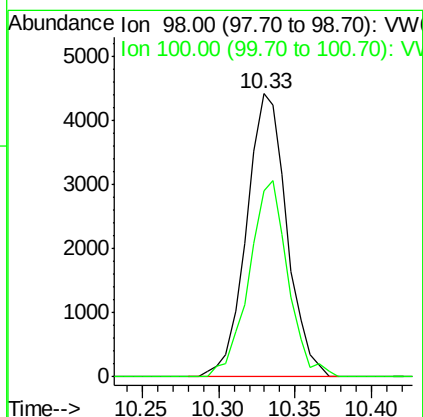
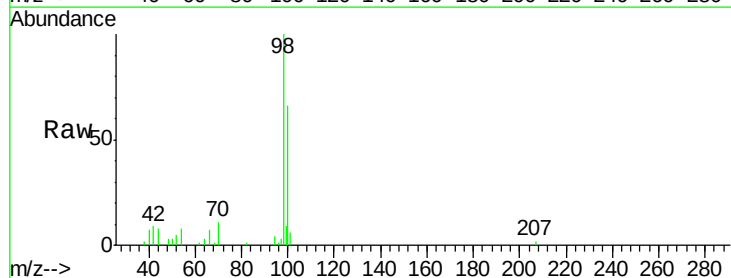
Instrument :
MSVOA_W
ClientSampleId :
EPE-108-4(80-82)RE

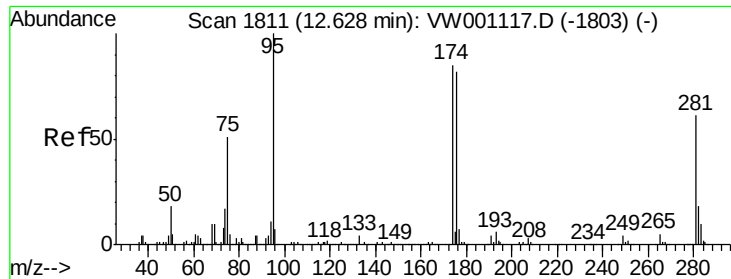
Tot Ion:	41	Resp:	24
Ion	Ratio	Lower	Upper
41	100		
39	0.0	48.8	73.2#
67	0.0	59.6	89.4#
52	0.0	24.6	37.0#



#50
Toluene-d8
Concen: 49.34 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW001141.D
Acq: 30 Jan 2018 00:57

Tgt Ion:	98	Resp:	8106
Ion	Ratio	Lower	Upper
98	100		
100	66.8	51.3	76.9





#62

4-Bromofluorobenzene

Concen: 35.02 ug/l

RT: 12.64 min Scan# 1813

Delta R.T. 0.01 min

Lab File: VW001141.D

Acq: 30 Jan 2018 00:57

Instrument :

MSVOA_W

ClientSampleId :

EPE-108-4(80-82)RE

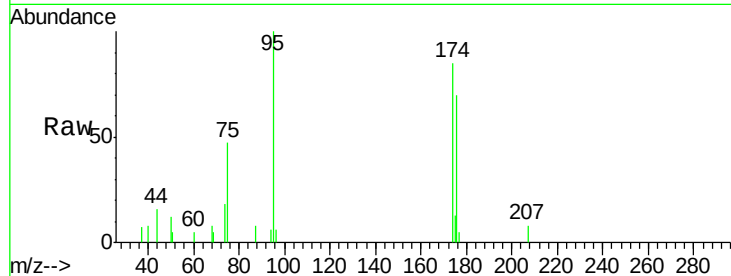
Tot Ion: 95 Resp: 2120

Ion Ratio Lower Upper

95 100

174 91.2 0.0 179.6

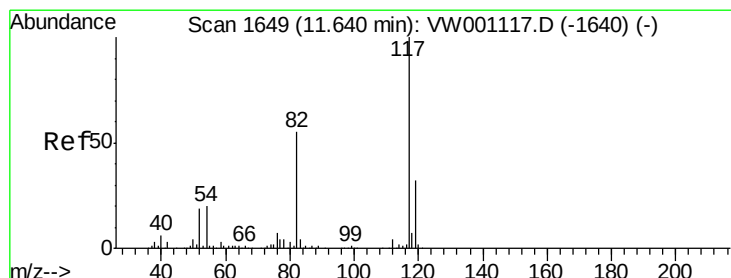
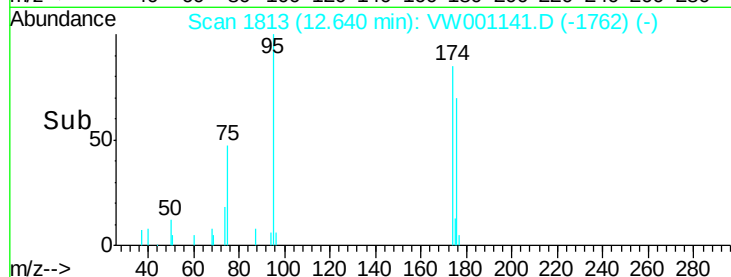
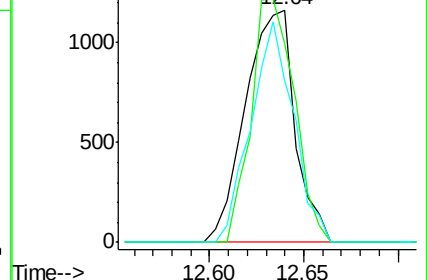
176 81.7 0.0 174.4



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: 50.00 ug/l

RT: 11.64 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VW001141.D

Acq: 30 Jan 2018 00:57

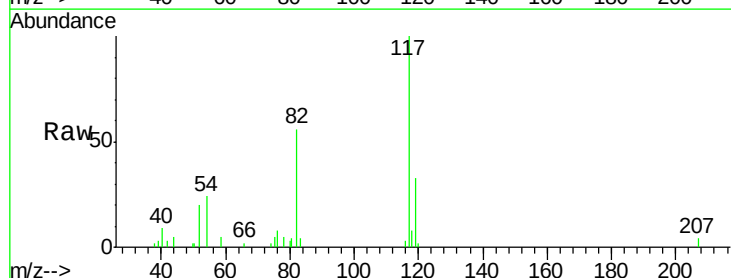
Tgt Ion: 117 Resp: 6130

Ion Ratio Lower Upper

117 100

82 55.6 43.8 65.8

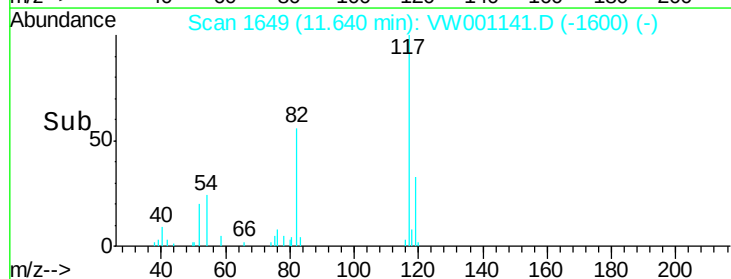
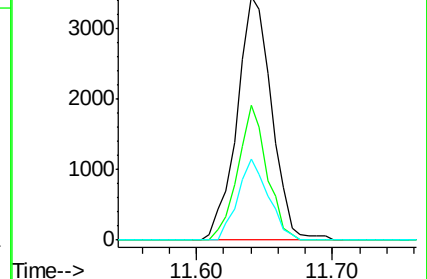
119 33.5 25.8 38.8

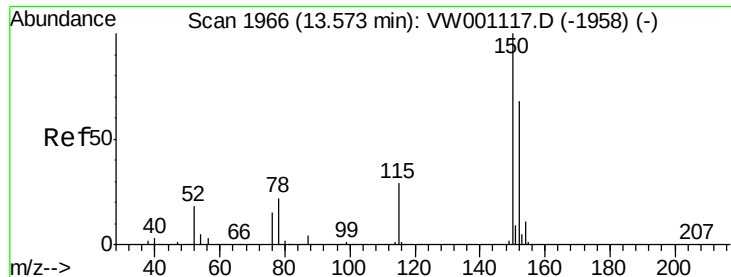


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.58 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VW001141.D

Acq: 30 Jan 2018 00:57

Instrument :

MSVOA_W

ClientSampleId :

EPE-108-4(80-82)RE

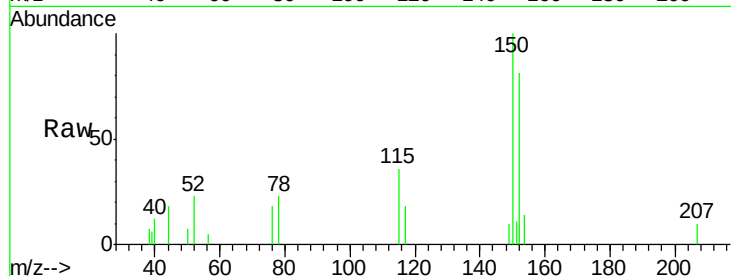
Tot Ion:152 Resp: 1273

Ion Ratio Lower Upper

152 100

115 64.8 28.4 85.3

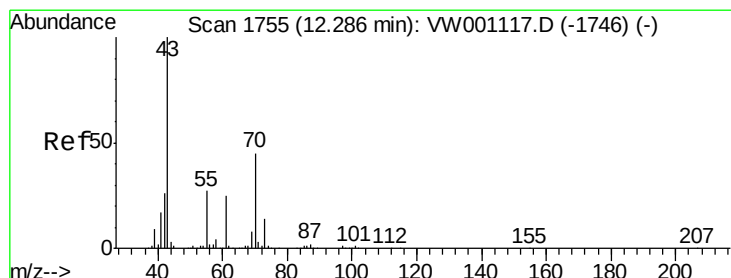
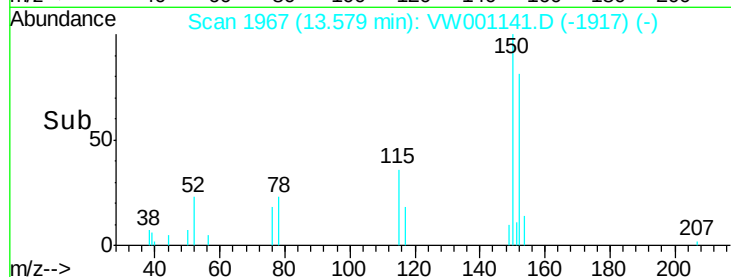
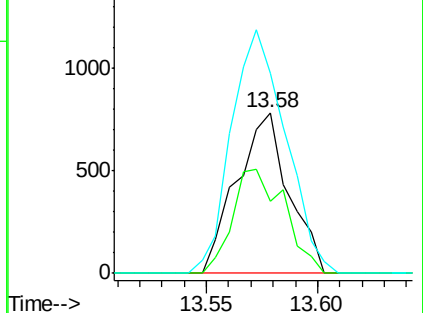
150 158.1 0.0 342.4



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



#74

N-ethyl acetate

Concen: 2.31 ug/l

RT: 12.26 min Scan# 1750

Delta R.T. -0.03 min

Lab File: VW001141.D

Acq: 30 Jan 2018 00:57

Tgt Ion: 43 Resp: 42

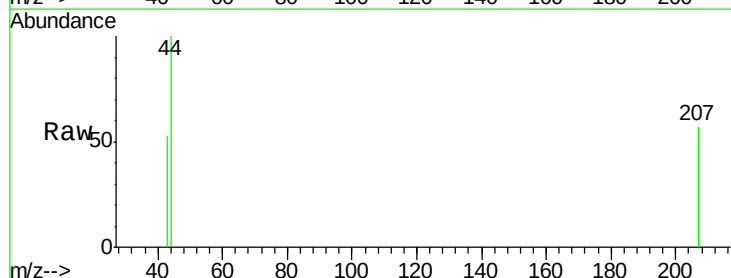
Ion Ratio Lower Upper

43 100

70 0.0 36.0 54.0#

55 47.6 21.7 32.5#

61 0.0 19.8 29.6#

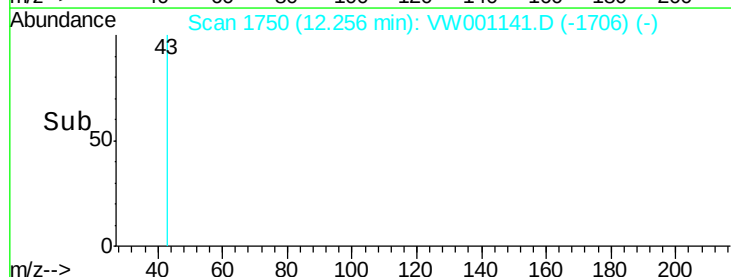
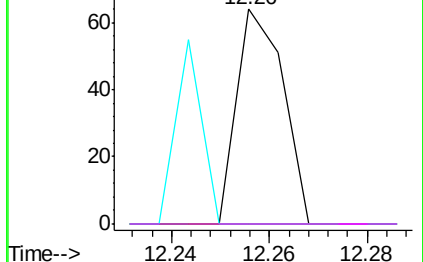


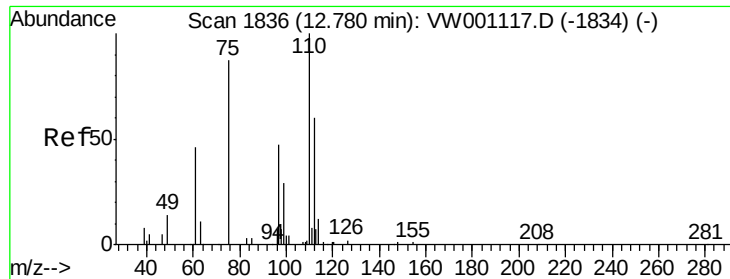
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#76

1,2,3-Trichloropropane

Concen: 86.50 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. -0.15 min

Lab File: VW001141.D

Acq: 30 Jan 2018 00:57

Instrument :

MSVOA_W

ClientSampleId :

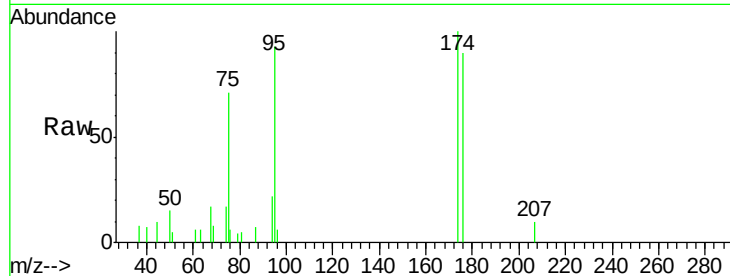
EPE-108-4(80-82)RE

Tot Ion: 75 Resp: 1116

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

12.63

800

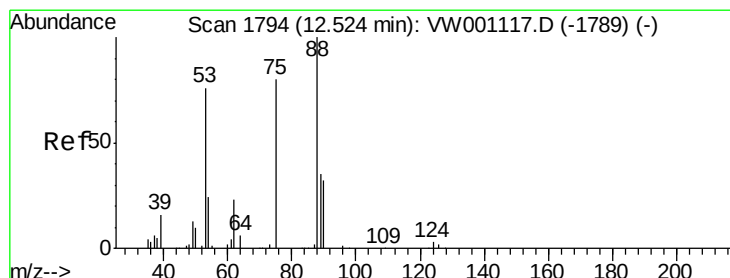
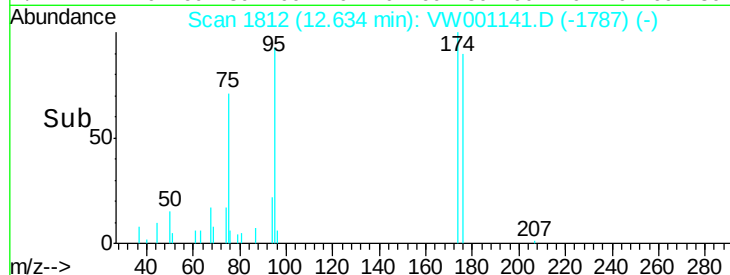
600

400

200

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 227.44 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. 0.11 min

Lab File: VW001141.D

Acq: 30 Jan 2018 00:57

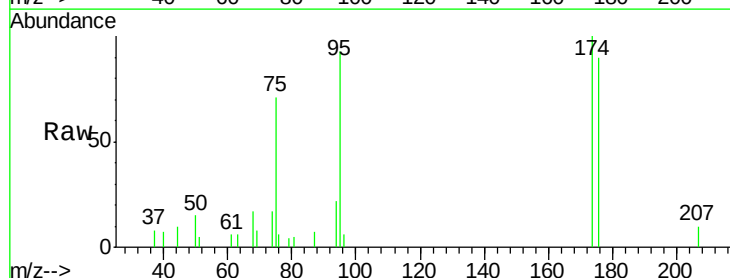
Tgt Ion: 75 Resp: 1116

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

1200

1000

800

600

400

200

0

Time-->

