

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012418\
 Data File : VW000958.D
 Acq On : 24 Jan 2018 19:53
 Operator : JC/SY
 Sample : J1241-03RE
 Misc : 5.20G/5.0ML/MSVOA_W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EPE-106-4A(85-87)RE

Quant Time: Jan 25 04:44:04 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012318S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 23 13:31:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	21008	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	30303	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	25425	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	9132	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	14114	70.09	ug/l	0.00
Spiked Amount			Recovery	=	140.18%	
35) Dibromofluoromethane	7.88	113	4245	22.87	ug/l	0.00
Spiked Amount			Recovery	=	45.74%	
50) Toluene-d8	10.33	98	36496	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	
62) 4-Bromofluorobenzene	12.63	95	9743	36.56	ug/l	0.00
Spiked Amount			Recovery	=	73.12%	

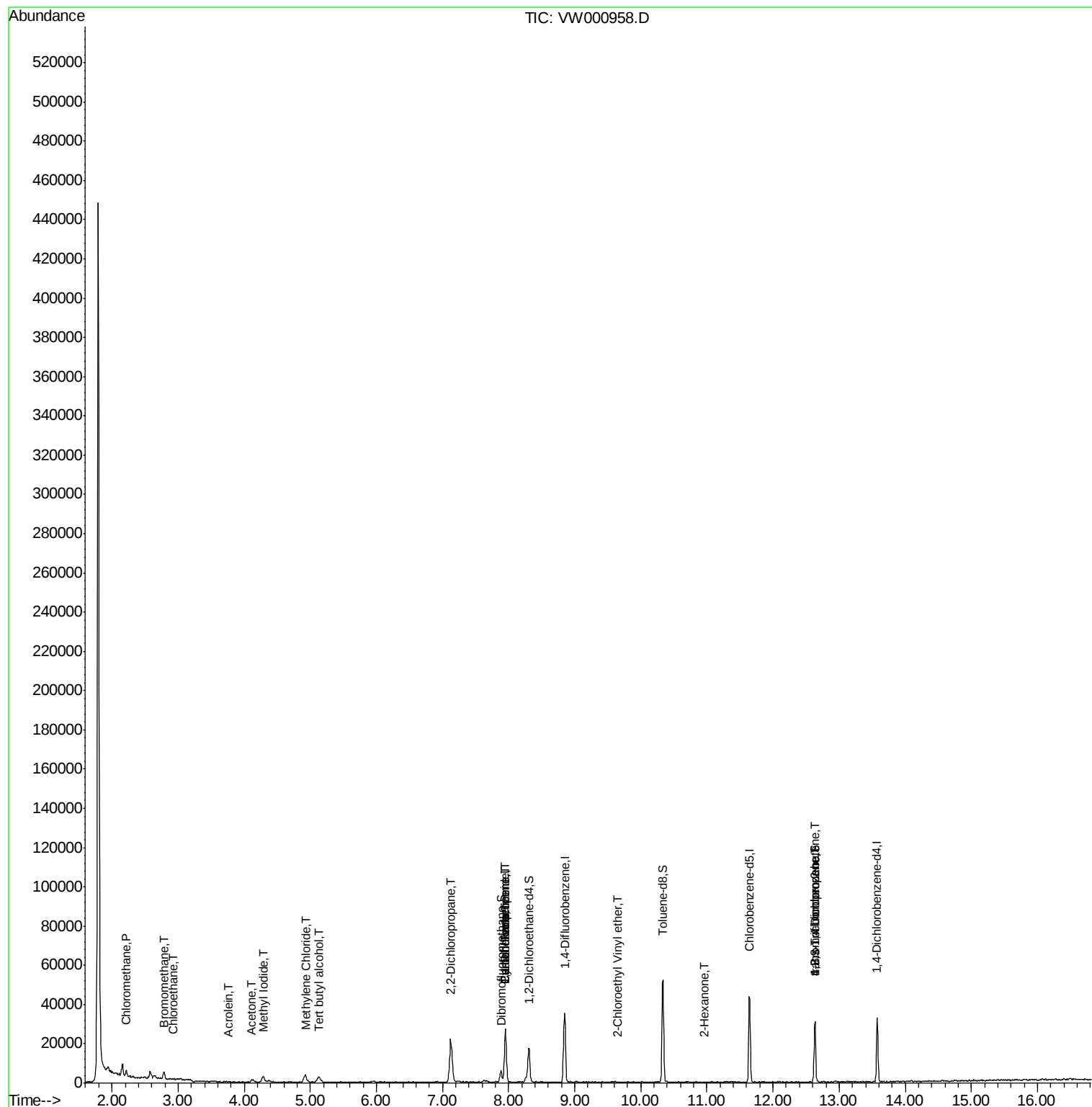
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.22	50	1981	11.07	ug/l #	88
5) Bromomethane	2.78	94	2821	23.35	ug/l	85
6) Chloroethane	2.93	64	397	4.29	ug/l #	42
10) Methyl Iodide	4.29	142	5119	26.87	ug/l	98
11) Tert butyl alcohol	5.13	59	2779	127.27	ug/l #	76
13) Acrolein	3.75	56	22	1.03	ug/l #	15
16) Acetone	4.12	43	1980	38.81	ug/l	99
20) Methylene Chloride	4.92	84	2856	13.56	ug/l #	90
26) 2,2-Dichloropropane	7.13	77	1533	4.76	ug/l #	52
31) Cyclohexane	7.95	56	409	1.25	ug/l #	10
36) 1,1-Dichloropropene	7.95	75	1510	5.22	ug/l #	44
38) Carbon Tetrachloride	7.95	117	2092	6.56	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.65	63	42	26.15	ug/l #	45
59) 2-Hexanone	10.96	43	41	14.95	ug/l #	24
76) 1,2,3-Trichloropropane	12.63	75	5197	49.18	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	5197	116.73	ug/l #	10

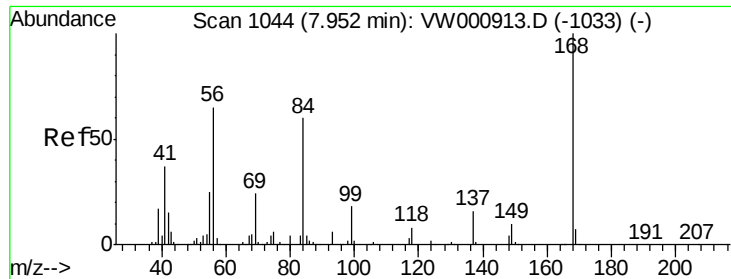
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW000958.D

Acq: 24 Jan 2018 19:53

Instrument :

MSVOA_W

ClientSampleId :

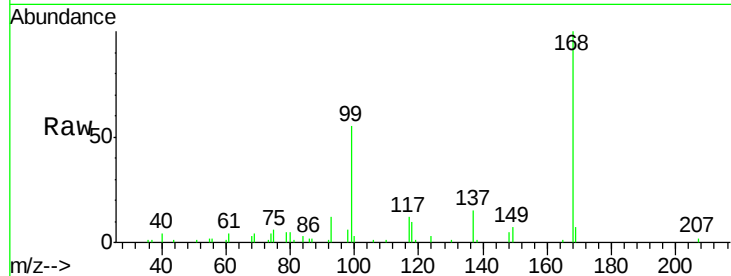
EPE-106-4A(85-87)RE

Tgt Ion:168 Resp: 21008

Ion Ratio Lower Upper

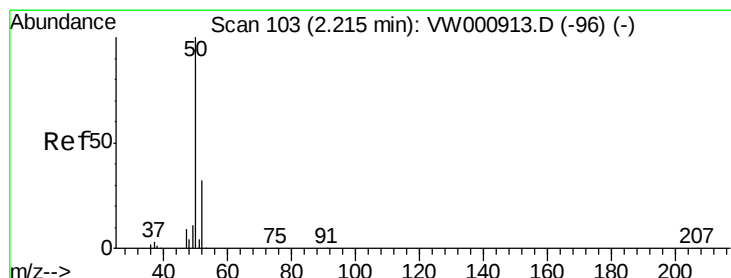
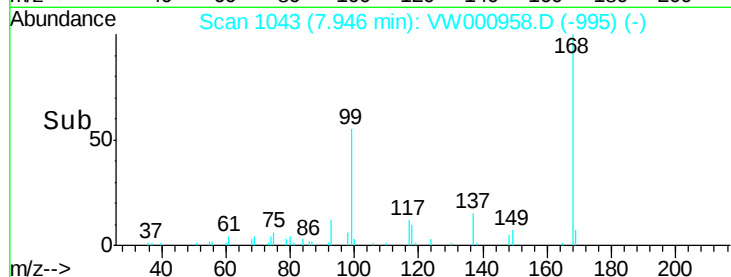
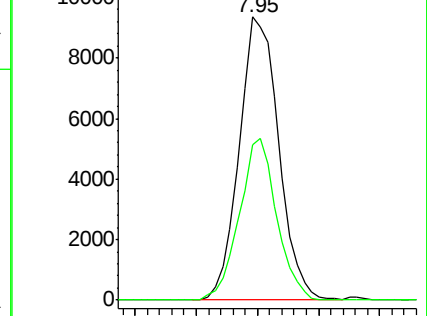
168 100

99 55.0 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#3

Chloromethane

Concen: 11.07 ug/l

RT: 2.22 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW000958.D

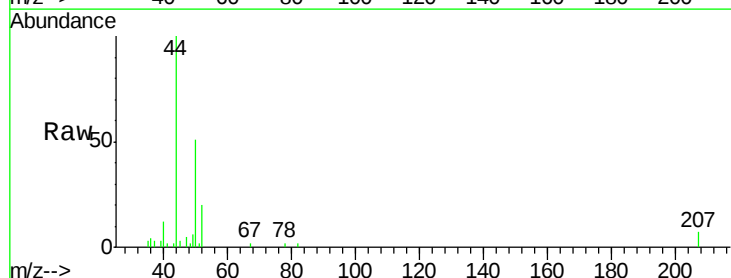
Acq: 24 Jan 2018 19:53

Tgt Ion: 50 Resp: 1981

Ion Ratio Lower Upper

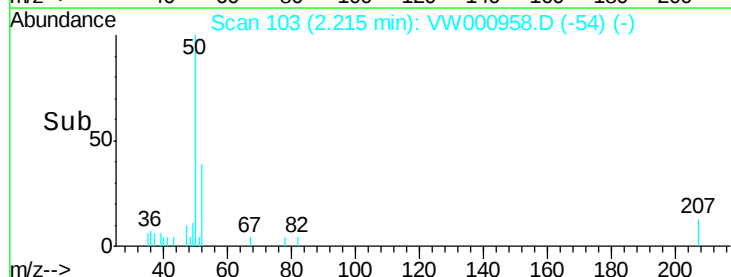
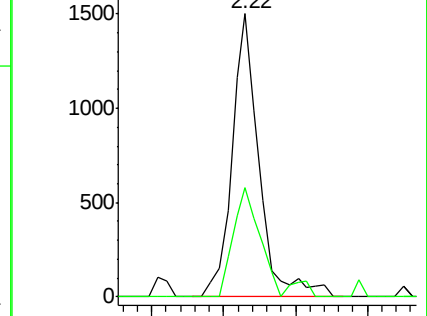
50 100

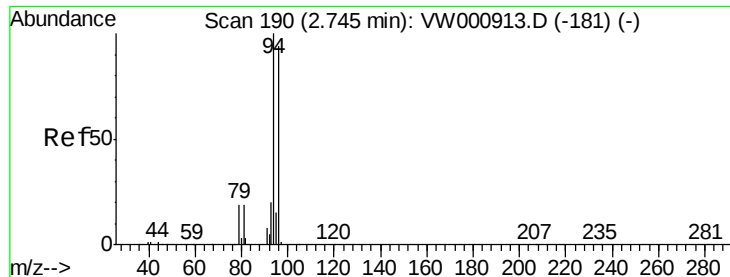
52 38.6 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW





#5

Bromomethane

Concen: 23.35 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.04 min

Lab File: VW000958.D

Acq: 24 Jan 2018 19:53

Instrument :

MSVOA_W

ClientSampleId :

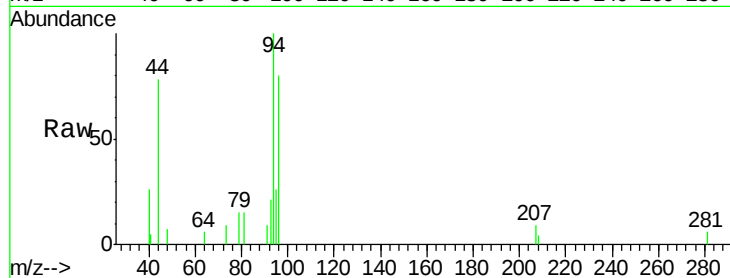
EPE-106-4A(85-87)RE

Tgt Ion: 94 Resp: 2821

Ion Ratio Lower Upper

94 100

96 80.2 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.78

1500

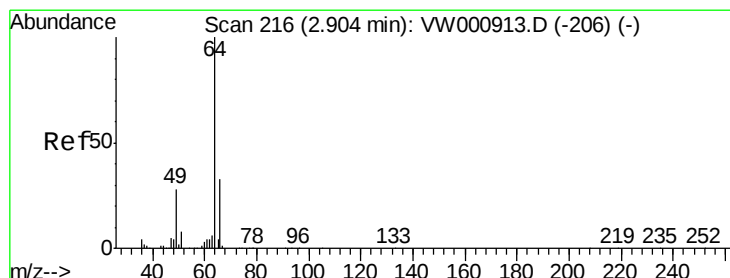
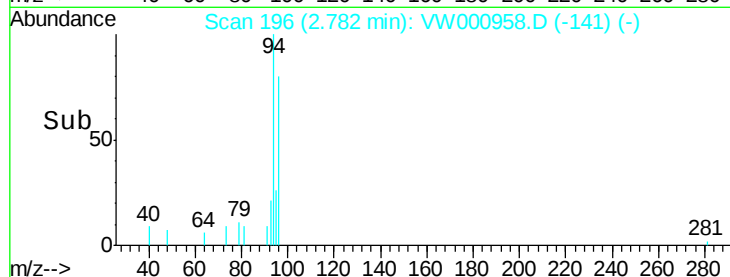
1000

500

0

2.70 2.75 2.80 2.85

Time-->



#6

Chloroethane

Concen: 4.29 ug/l

RT: 2.93 min Scan# 220

Delta R.T. 0.02 min

Lab File: VW000958.D

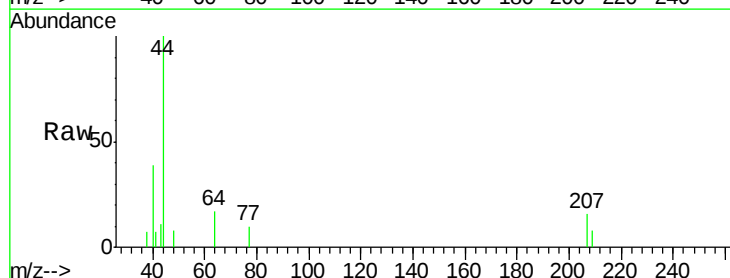
Acq: 24 Jan 2018 19:53

Tgt Ion: 64 Resp: 397

Ion Ratio Lower Upper

64 100

66 0.0 26.1 39.1#



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.93

150

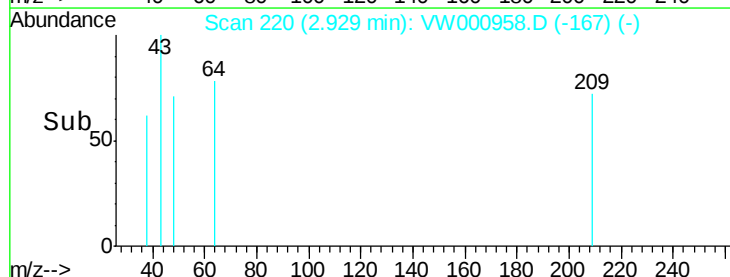
100

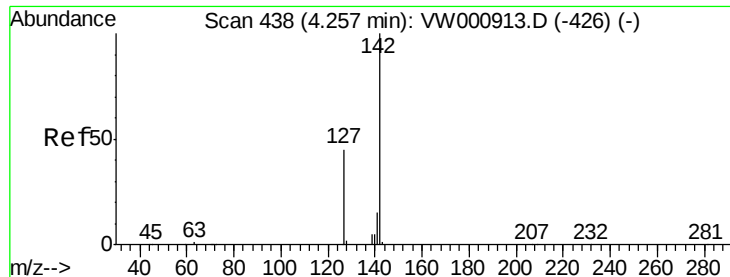
50

0

2.90 2.95

Time-->

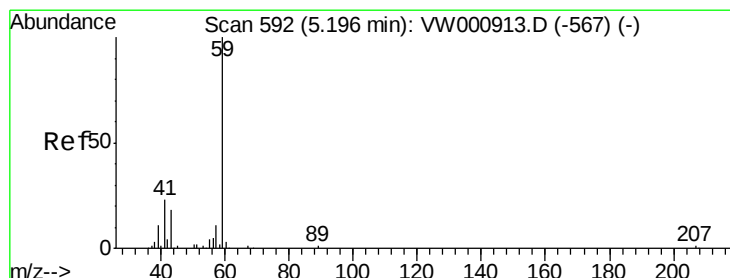
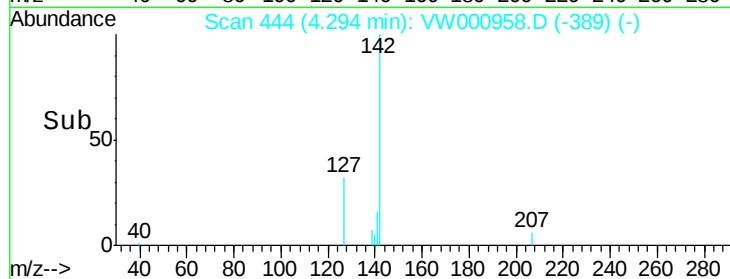
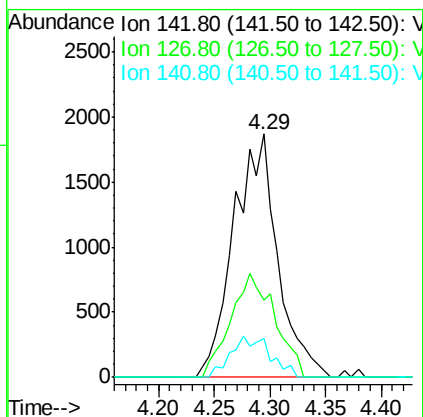
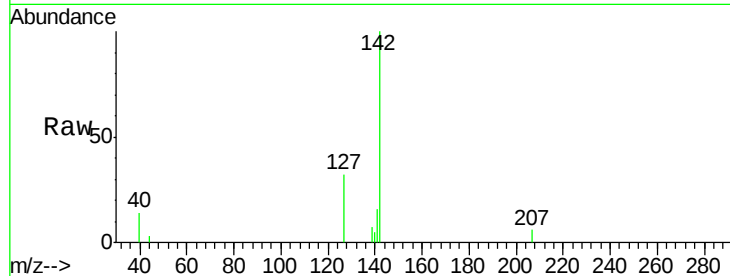




#10
Methyl Iodide
Concen: 26.87 ug/l
RT: 4.29 min Scan# 444
Delta R.T. 0.04 min
Lab File: VW000958.D
Acq: 24 Jan 2018 19:53

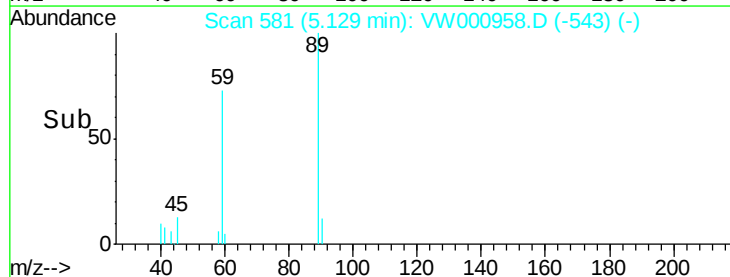
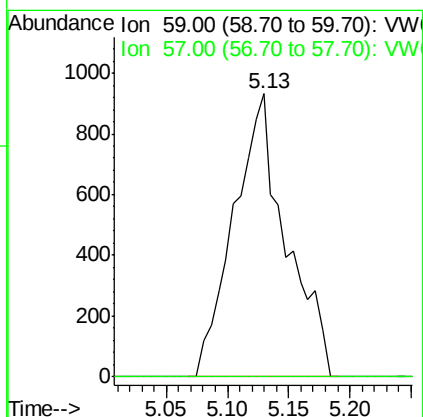
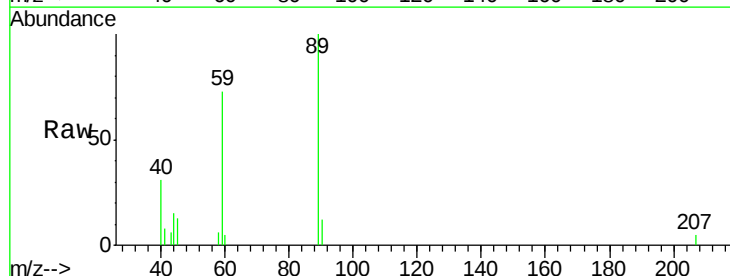
Instrument :
MSVOA_W
ClientSampleId :
EPE-106-4A(85-87)RE

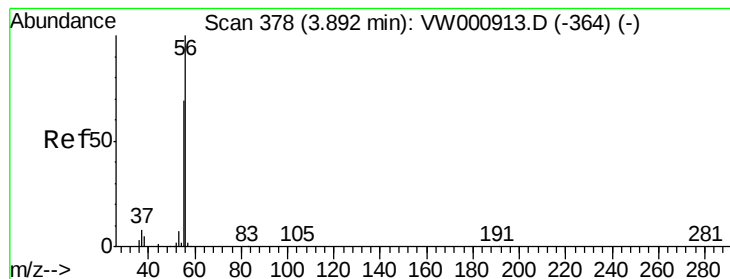
Tgt Ion:142 Resp: 5119
Ion Ratio Lower Upper
142 100
127 43.2 35.5 53.3
141 15.0 11.7 17.5



#11
Tert butyl alcohol
Concen: 127.27 ug/l
RT: 5.13 min Scan# 581
Delta R.T. -0.07 min
Lab File: VW000958.D
Acq: 24 Jan 2018 19:53

Tgt Ion: 59 Resp: 2779
Ion Ratio Lower Upper
59 100
57 0.0 7.0 10.6#





#13

Acrolein

Concen: 1.03 ug/l

RT: 3.75 min Scan# 355

Delta R.T. -0.14 min

Lab File: VW000958.D

Acq: 24 Jan 2018 19:53

Instrument :

MSVOA_W

ClientSampleId :

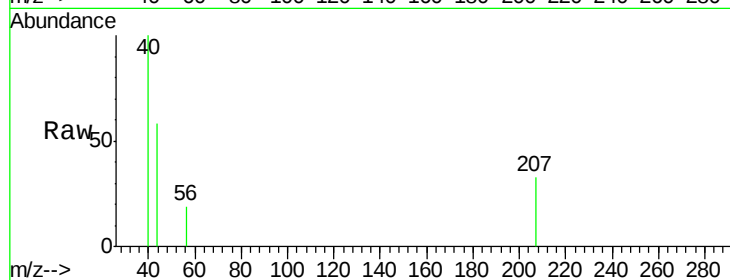
EPE-106-4A(85-87)RE

Tgt Ion: 56 Resp: 22

Ion Ratio Lower Upper

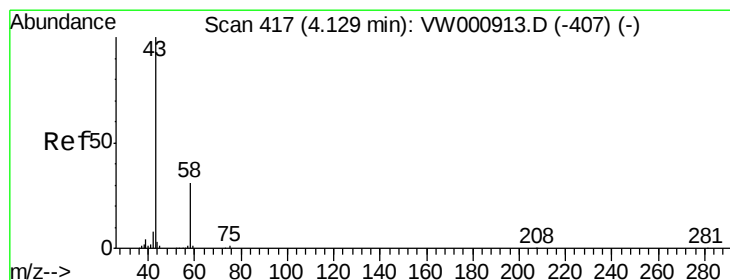
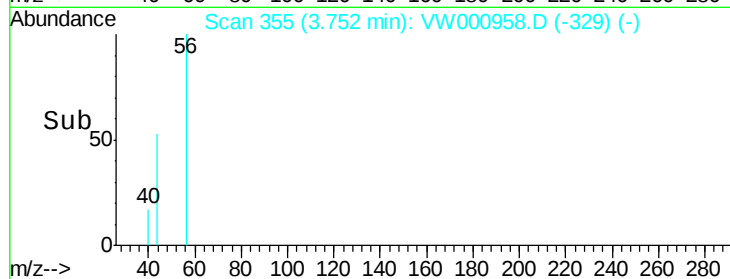
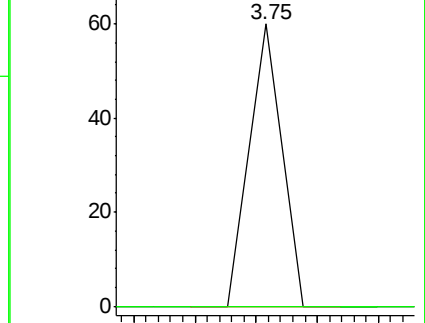
56 100

55 0.0 55.4 83.0#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 38.81 ug/l

RT: 4.12 min Scan# 415

Delta R.T. -0.01 min

Lab File: VW000958.D

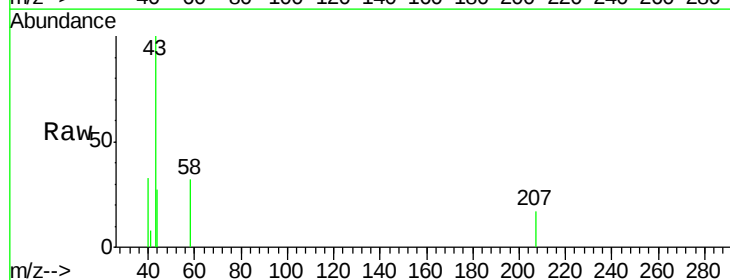
Acq: 24 Jan 2018 19:53

Tgt Ion: 43 Resp: 1980

Ion Ratio Lower Upper

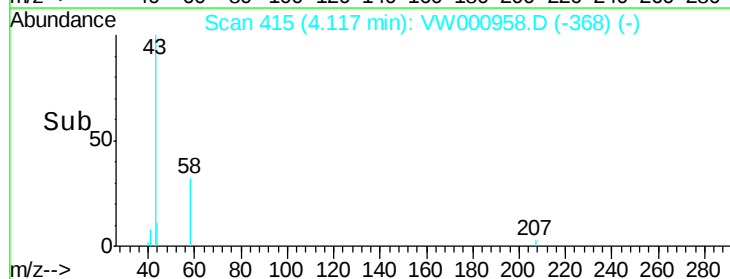
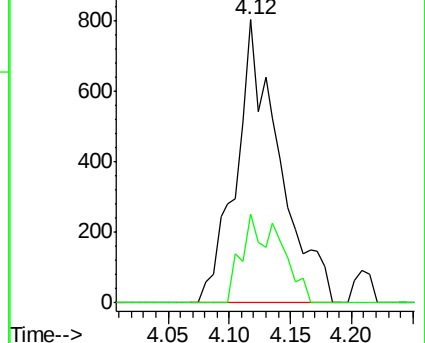
43 100

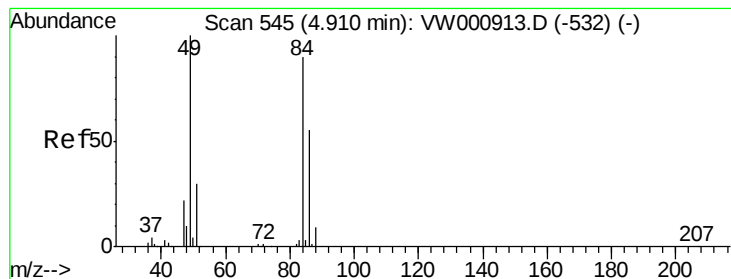
58 31.5 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#20

Methylene Chloride

Concen: 13.56 ug/l

RT: 4.92 min Scan# 547

Delta R.T. 0.01 min

Lab File: VW000958.D

Acq: 24 Jan 2018 19:53

Instrument :

MSVOA_W

ClientSampleId :

EPE-106-4A(85-87)RE

Tgt Ion: 84 Resp: 2856

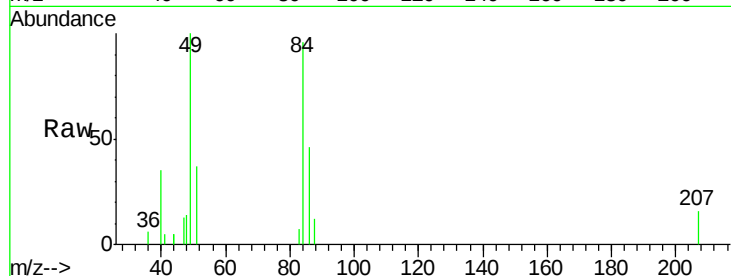
Ion Ratio Lower Upper

84 100

49 104.0 89.0 133.4

51 38.1 26.7 40.1

86 47.4 48.7 73.1#

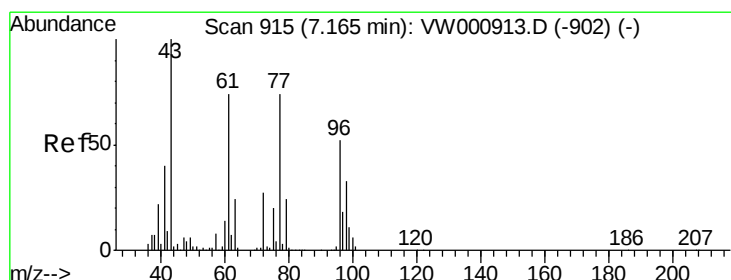
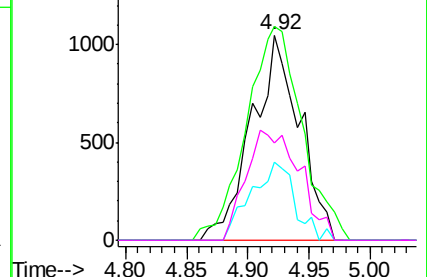
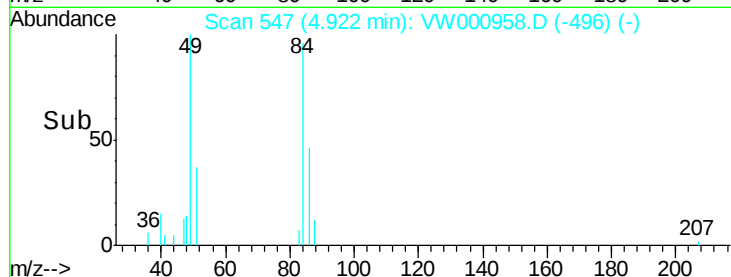


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#26

2,2-Dichloropropane

Concen: 4.76 ug/l

RT: 7.13 min Scan# 909

Delta R.T. -0.04 min

Lab File: VW000958.D

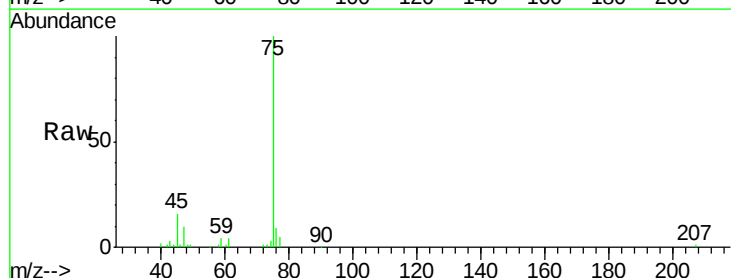
Acq: 24 Jan 2018 19:53

Tgt Ion: 77 Resp: 1533

Ion Ratio Lower Upper

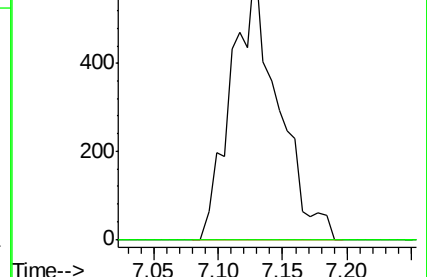
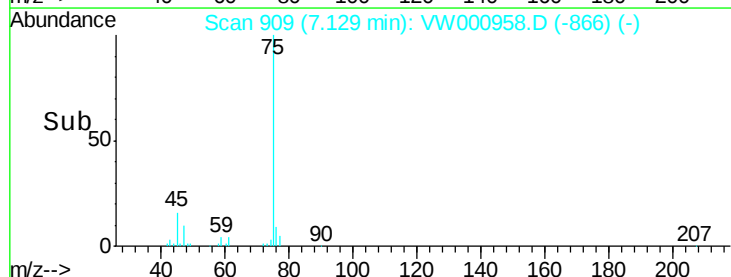
77 100

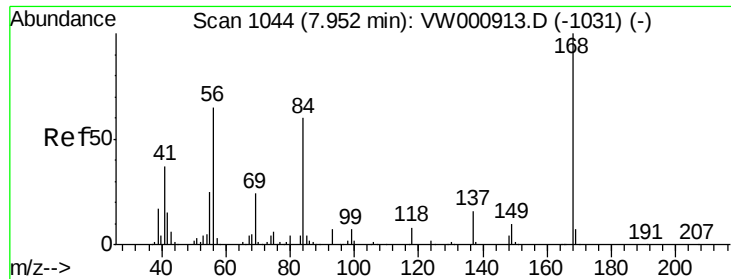
97 0.0 11.8 35.3#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

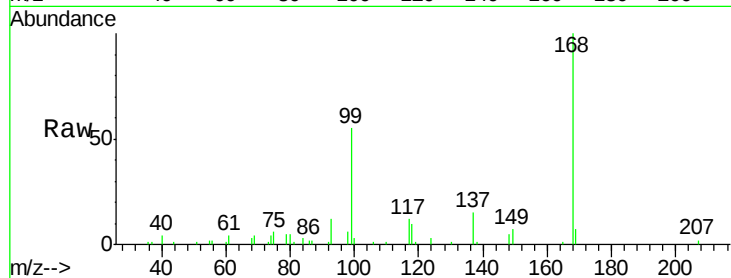




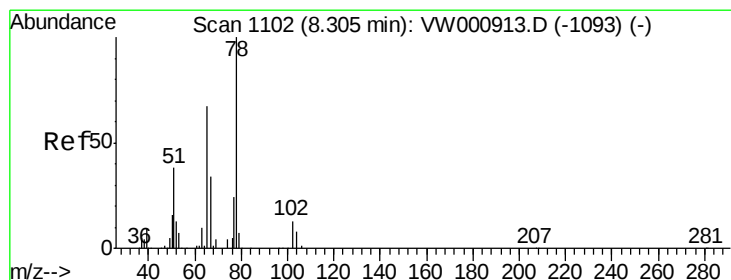
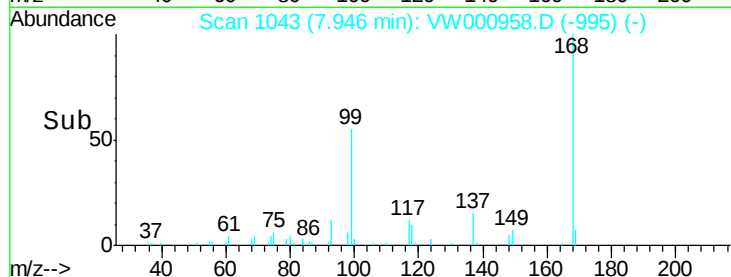
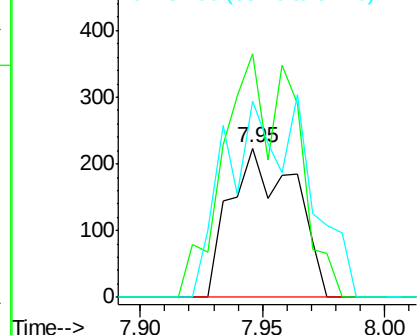
#31
Cyclohexane
Concen: 1.25 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW000958.D
Acq: 24 Jan 2018 19:53

Instrument :
MSVOA_W
ClientSampleId :
EPE-106-4A(85-87)RE

Tgt Ion: 56 Resp: 409
Ion Ratio Lower Upper
56 100
69 162.9 29.2 43.8#
84 131.3 73.6 110.4#

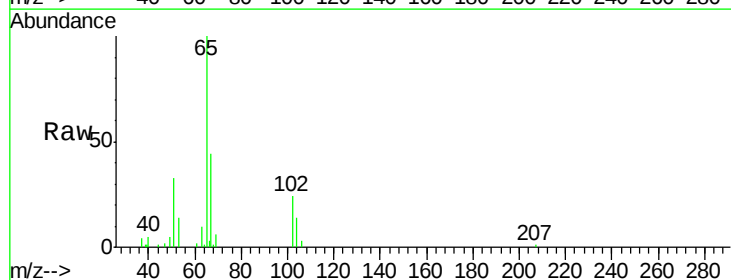


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

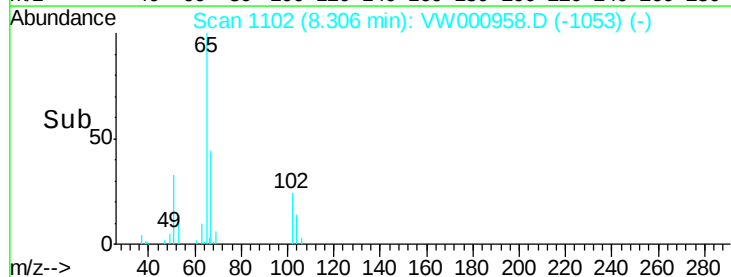
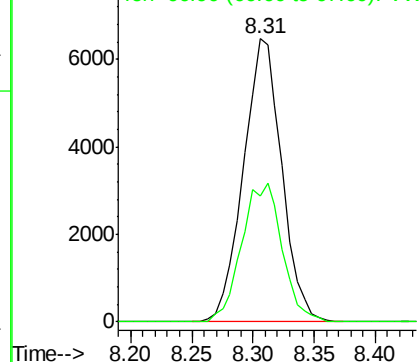


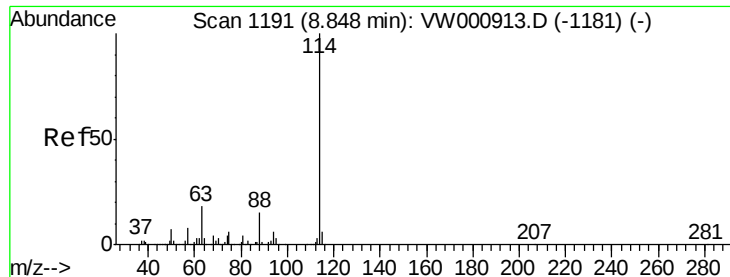
#33
1,2-Dichloroethane-d4
Concen: 70.09 ug/l
RT: 8.31 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VW000958.D
Acq: 24 Jan 2018 19:53

Tgt Ion: 65 Resp: 14114
Ion Ratio Lower Upper
65 100
67 51.6 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

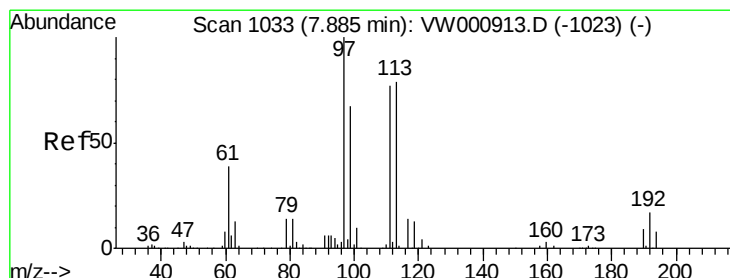
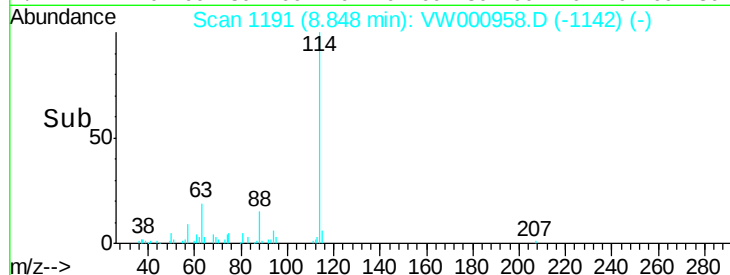
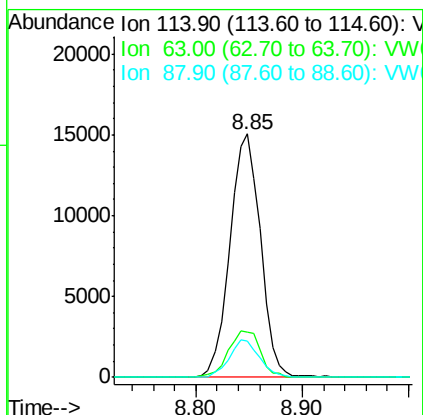
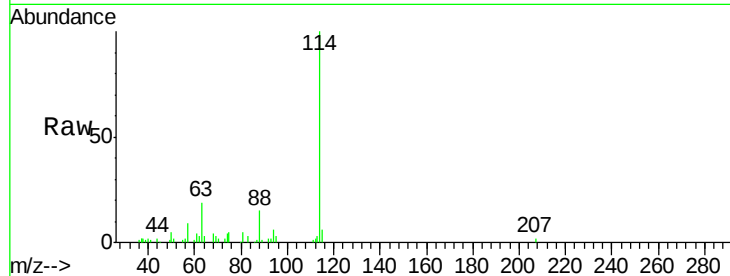




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW000958.D
 Acq: 24 Jan 2018 19:53

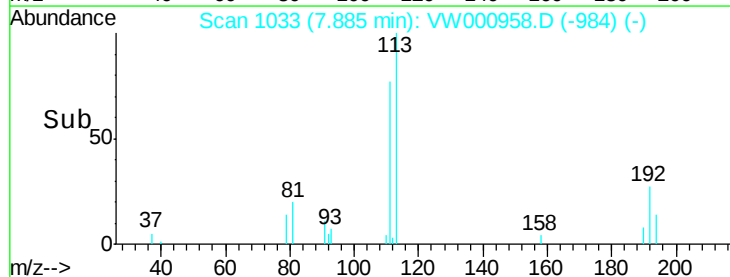
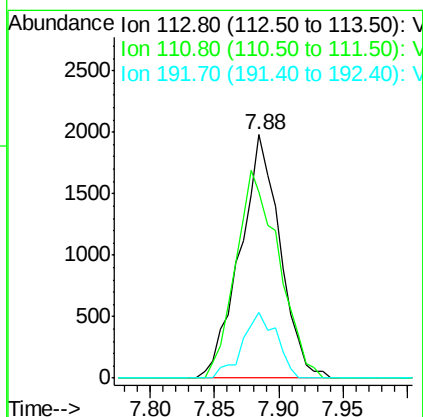
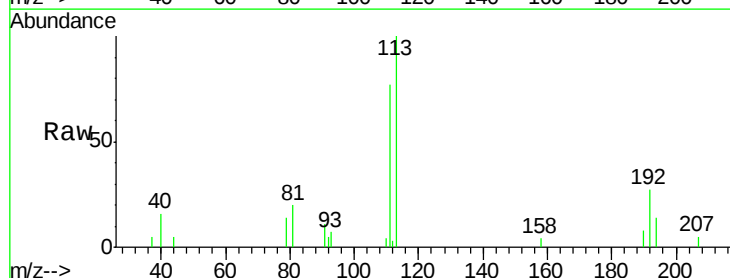
Instrument :
 MSVOA_W
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 EPE-106-4A(85-87)RE

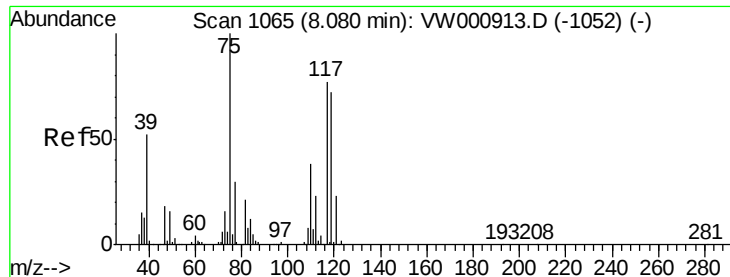
Tgt Ion:114 Resp: 30303
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 36.8
 88 14.7 0.0 29.8



#35
 Dibromofluoromethane
 Concen: 22.87 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW000958.D
 Acq: 24 Jan 2018 19:53

Tgt Ion:113 Resp: 4245
 Ion Ratio Lower Upper
 113 100
 111 92.7 80.4 120.6
 192 23.2 17.0 25.4





#36

1,1-Dichloropropene

Concen: 5.22 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW000958.D

Acq: 24 Jan 2018 19:53

Instrument :

MSVOA_W

ClientSampleId :

EPE-106-4A(85-87)RE

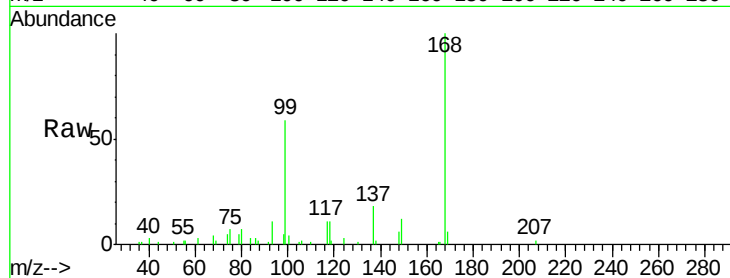
Tgt Ion: 75 Resp: 1510

Ion Ratio Lower Upper

75 100

110 4.2 18.6 56.0#

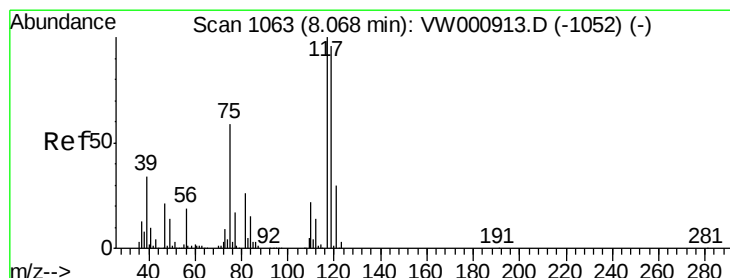
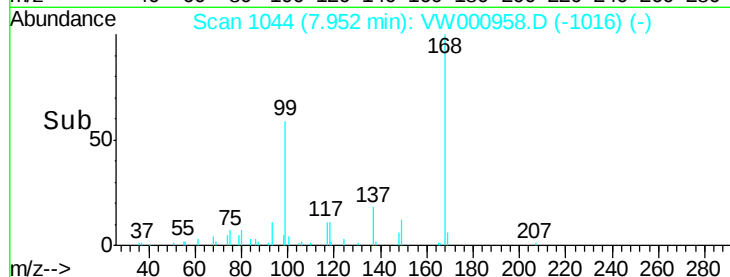
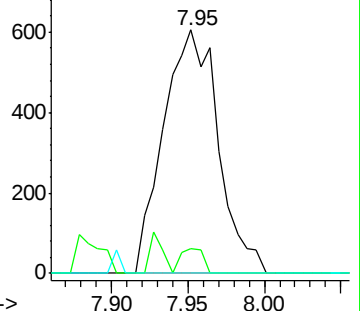
77 0.0 24.6 36.8#



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: 6.56 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW000958.D

Acq: 24 Jan 2018 19:53

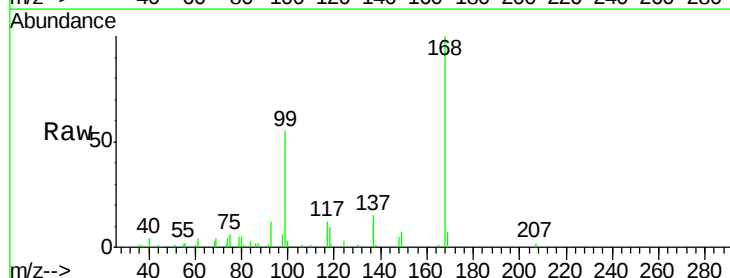
Tgt Ion: 117 Resp: 2092

Ion Ratio Lower Upper

117 100

119 5.4 76.5 114.7#

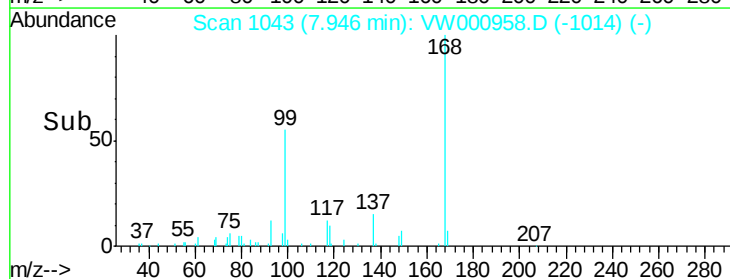
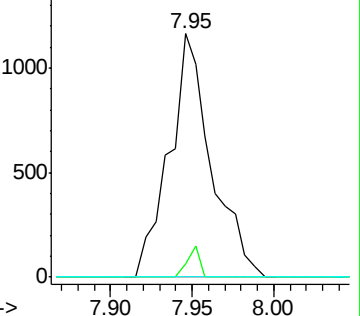
121 0.0 24.3 36.5#

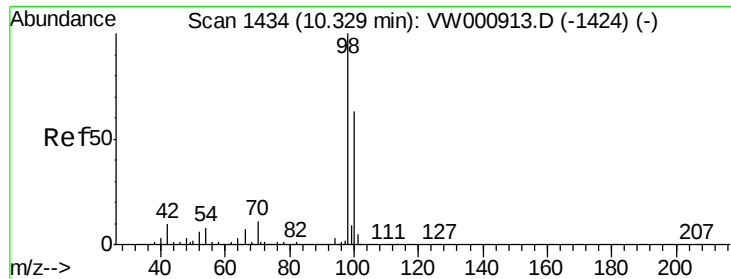


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 49.87 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW000958.D

Acq: 24 Jan 2018 19:53

Instrument :

MSVOA_W

ClientSampleId :

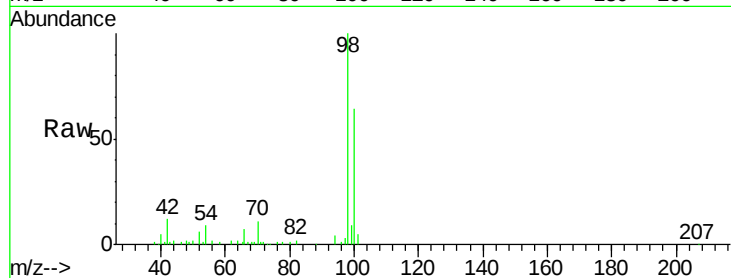
EPE-106-4A(85-87)RE

Tgt Ion: 98 Resp: 36496

Ion Ratio Lower Upper

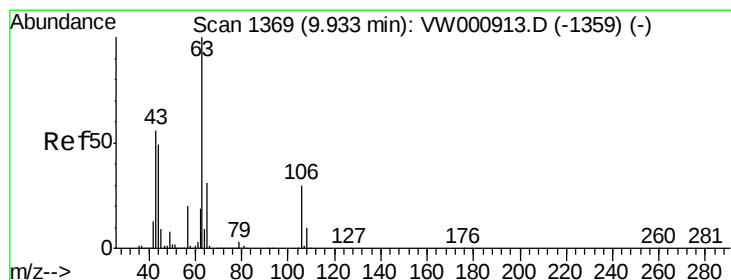
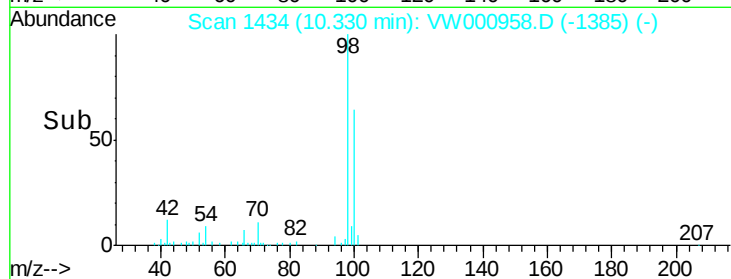
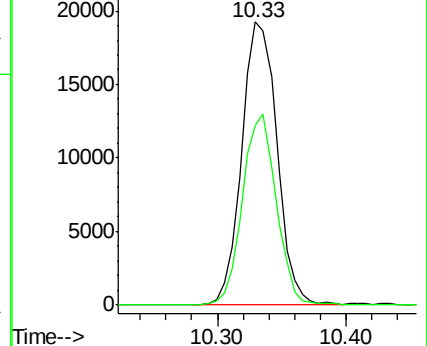
98 100

100 64.6 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#58

2-Chloroethyl Vinyl ether

Concen: 26.15 ug/l

RT: 9.65 min Scan# 1323

Delta R.T. -0.28 min

Lab File: VW000958.D

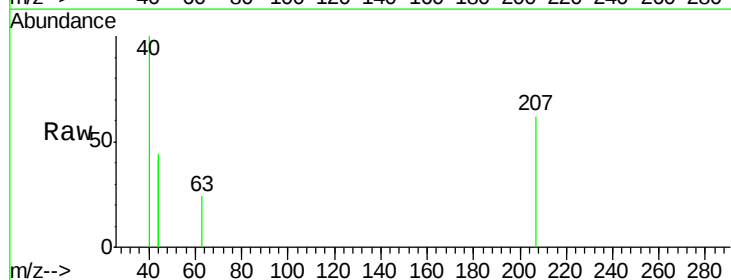
Acq: 24 Jan 2018 19:53

Tgt Ion: 63 Resp: 42

Ion Ratio Lower Upper

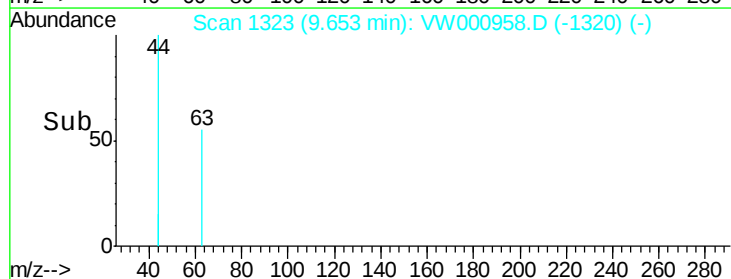
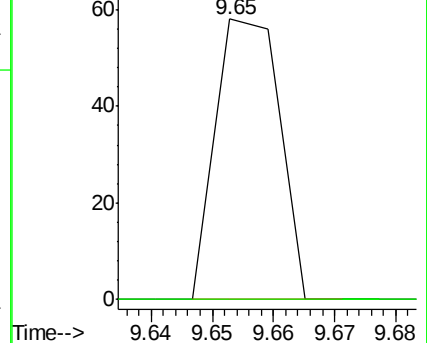
63 100

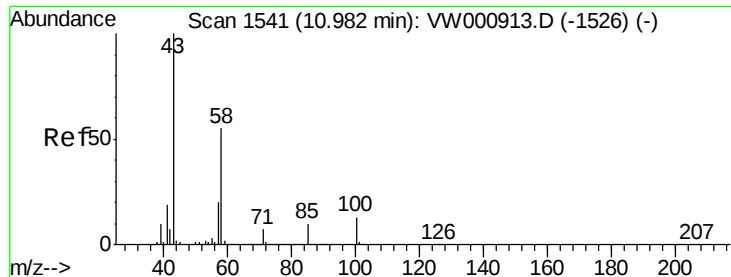
106 0.0 23.8 35.8#



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

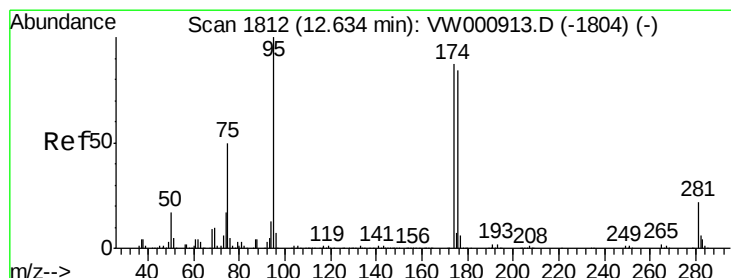
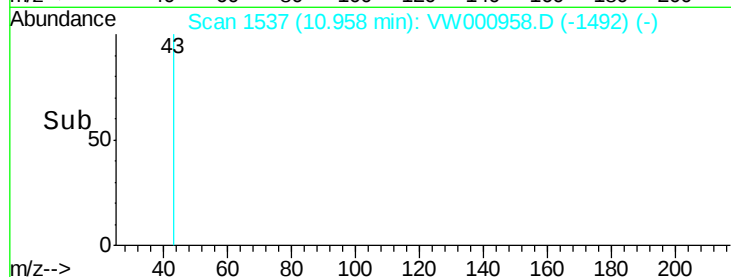
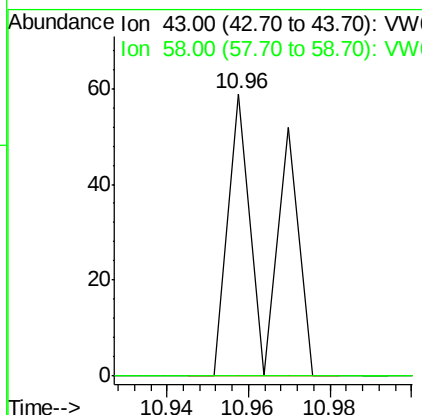
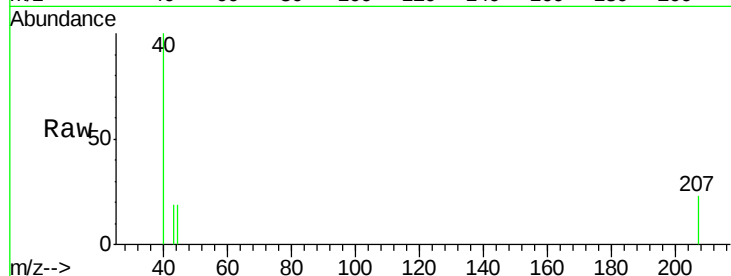




#59
2-Hexanone
Concen: 14.95 ug/l
RT: 10.96 min Scan# 1537
Delta R.T. -0.02 min
Lab File: VW000958.D
Acq: 24 Jan 2018 19:53

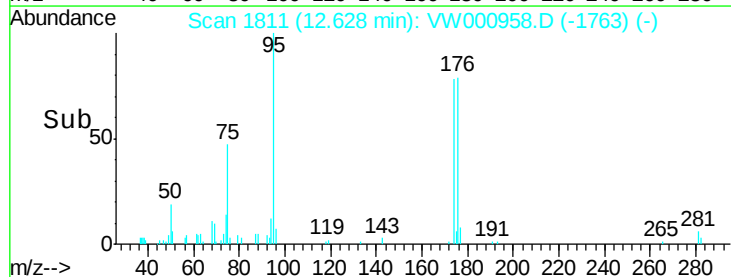
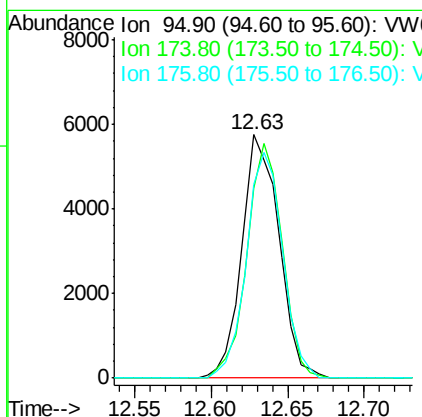
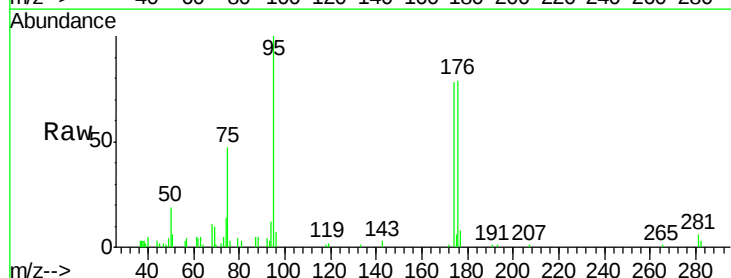
Instrument :
MSVOA_W
ClientSampleId :
EPE-106-4A(85-87)RE

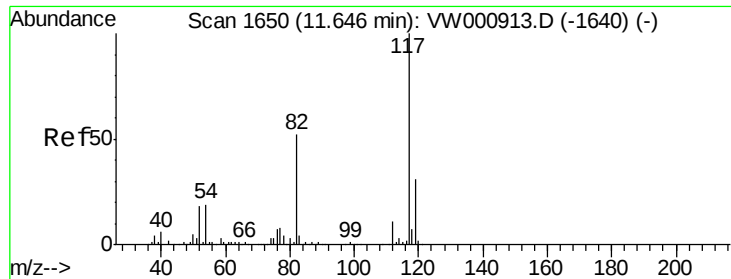
Tgt Ion: 43 Resp: 41
Ion Ratio Lower Upper
43 100
58 0.0 27.4 82.2#



#62
4-Bromofluorobenzene
Concen: 36.56 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. -0.01 min
Lab File: VW000958.D
Acq: 24 Jan 2018 19:53

Tgt Ion: 95 Resp: 9743
Ion Ratio Lower Upper
95 100
174 91.6 0.0 176.8
176 90.6 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.65 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VW000958.D

Acq: 24 Jan 2018 19:53

Instrument :

MSVOA_W

ClientSampleId :

EPE-106-4A(85-87)RE

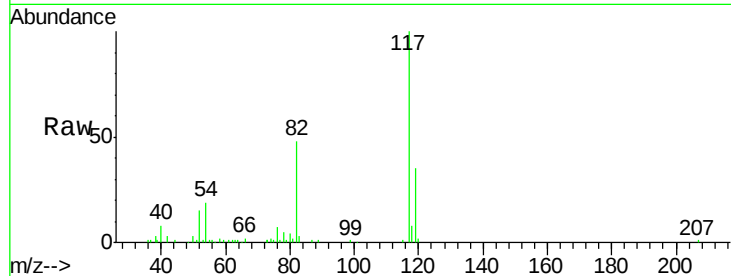
Tgt Ion:117 Resp: 25425

Ion Ratio Lower Upper

117 100

82 48.2 41.8 62.6

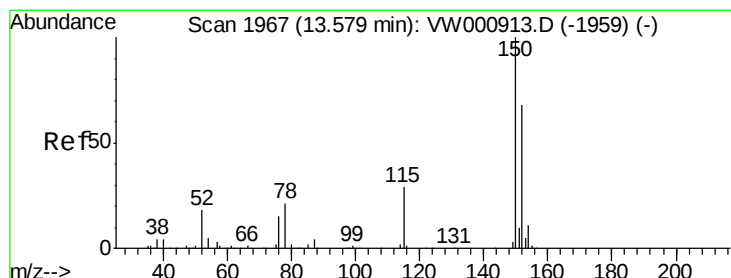
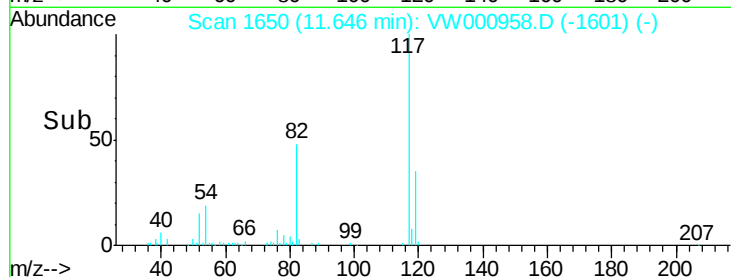
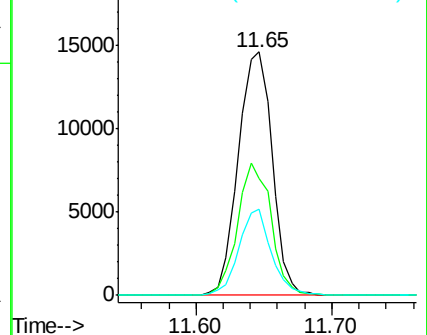
119 35.2 25.2 37.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1966

Delta R.T. -0.01 min

Lab File: VW000958.D

Acq: 24 Jan 2018 19:53

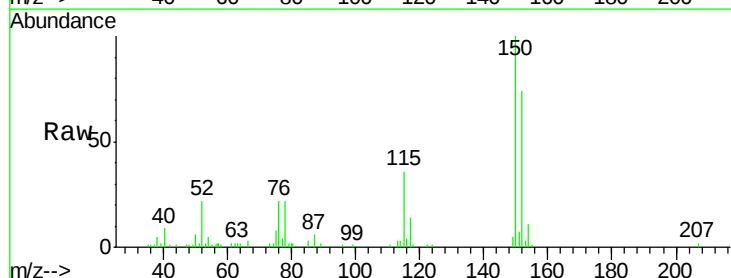
Tgt Ion:152 Resp: 9132

Ion Ratio Lower Upper

152 100

115 54.0 28.5 85.5

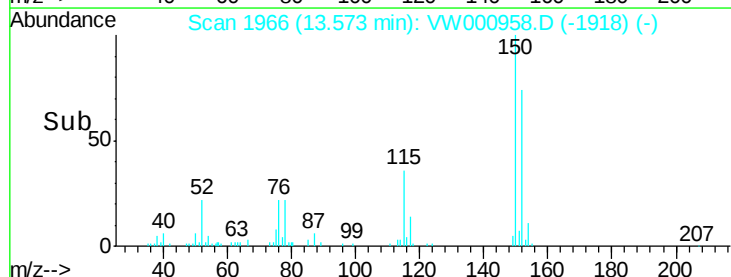
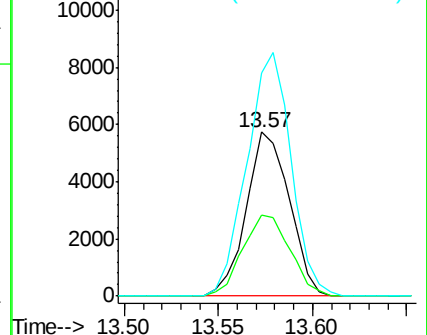
150 152.0 0.0 342.0

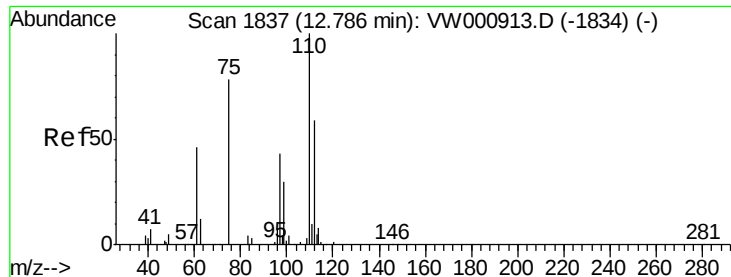


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 49.18 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. -0.15 min

Lab File: VW000958.D

Acq: 24 Jan 2018 19:53

Instrument :

MSVOA_W

ClientSampleId :

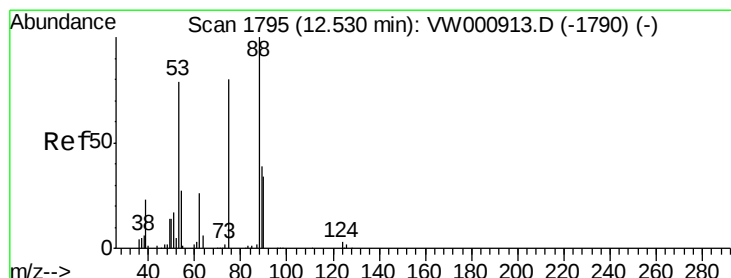
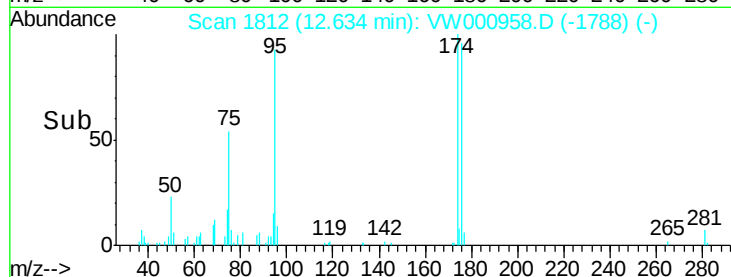
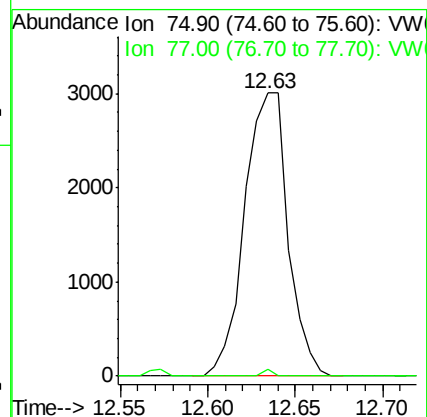
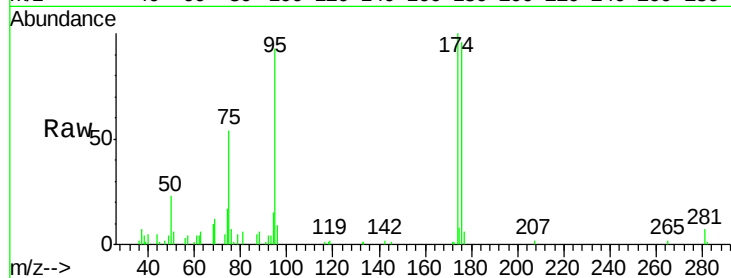
EPE-106-4A(85-87)RE

Tgt Ion: 75 Resp: 5197

Ion Ratio Lower Upper

75 100

77 0.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 116.73 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. 0.10 min

Lab File: VW000958.D

Acq: 24 Jan 2018 19:53

Tgt Ion: 75 Resp: 5197

Ion Ratio Lower Upper

75 100

53 0.0 77.5 116.3#

89 0.0 38.2 57.4#

