

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012418\
 Data File : VW000974.D
 Acq On : 25 Jan 2018 02:52
 Operator : JC/SY
 Sample : J1288-01
 Misc : 6.24G/5.0ML/MSVOA_W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EPE-108-4(69-71)

Quant Time: Jan 25 04:48:27 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	215770	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	336385	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	234856	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	51886	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	134776	65.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	130.34%	
35) Dibromofluoromethane	7.88	113	130240	63.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.40%	
50) Toluene-d8	10.33	98	408926	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
62) 4-Bromofluorobenzene	12.63	95	76880	25.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	51.98%	

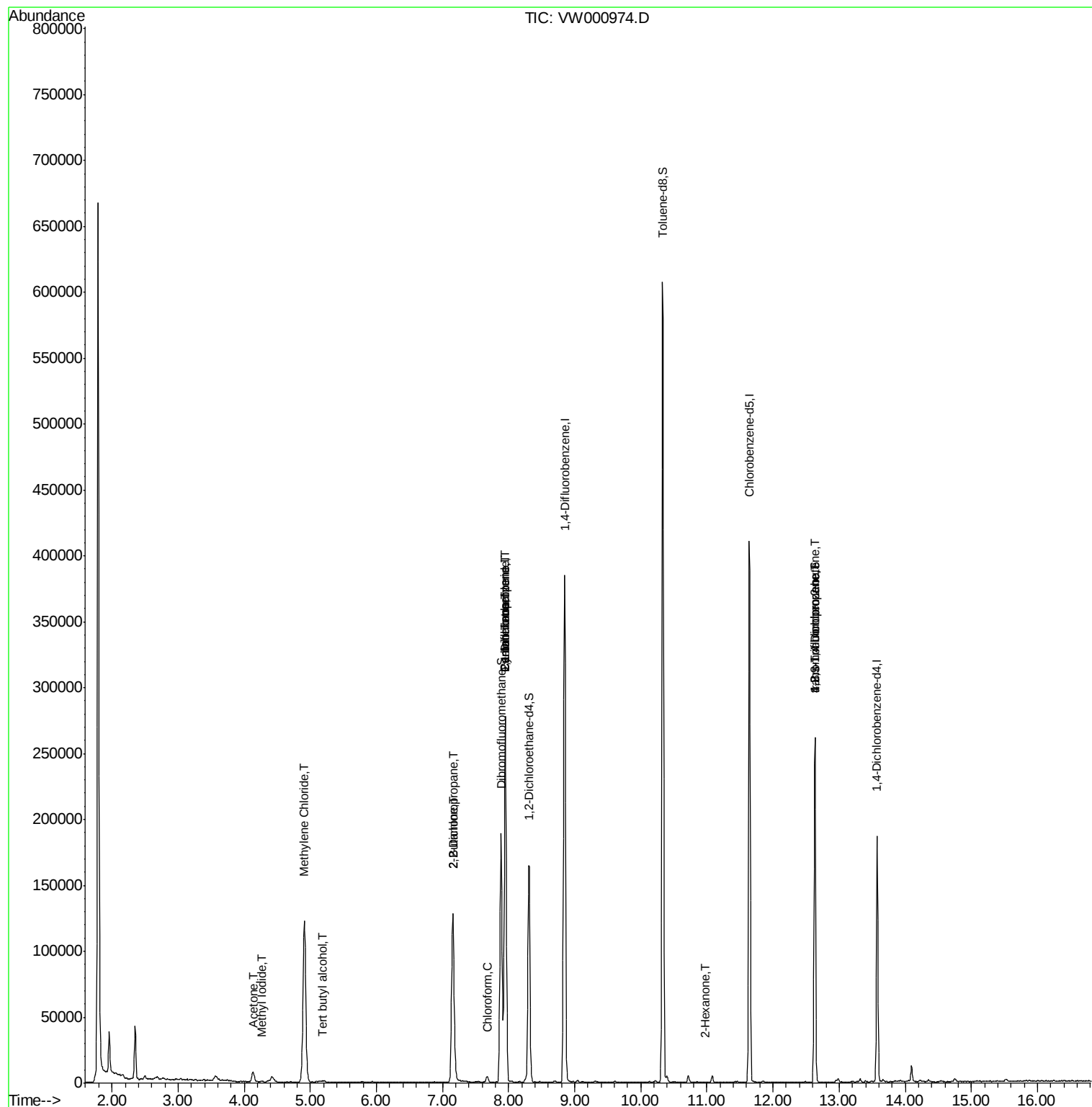
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.26	142	921	5.24	ug/l #	40
11) Tert butyl alcohol	5.19	59	785	3.50	ug/l #	84
16) Acetone	4.14	43	11847	30.10	ug/l	91
20) Methylene Chloride	4.91	84	93087	49.97	ug/l	97
25) 2-Butanone	7.17	43	7335	8.02	ug/l #	78
26) 2,2-Dichloropropane	7.16	77	8590	2.60	ug/l #	52
30) Chloroform	7.68	83	3991	1.13	ug/l	93
31) Cyclohexane	7.95	56	4269	1.27	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	15393	4.80	ug/l #	49
38) Carbon Tetrachloride	7.95	117	20622	5.82	ug/l #	18
59) 2-Hexanone	10.97	43	46	14.70	ug/l #	24
76) 1,2,3-Trichloropropane	12.63	75	39471	65.74	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	39471	154.51	ug/l #	11

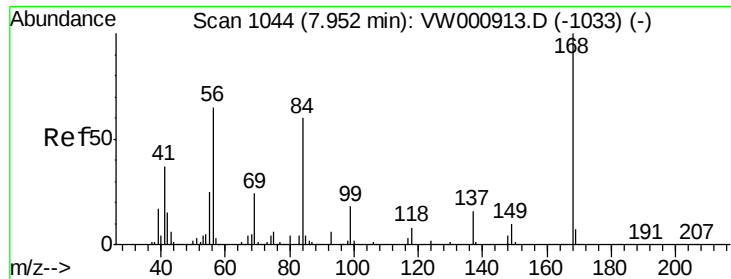
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW000974.D

Acq: 25 Jan 2018 02:52

Instrument :

MSVOA_W

ClientSampleId :

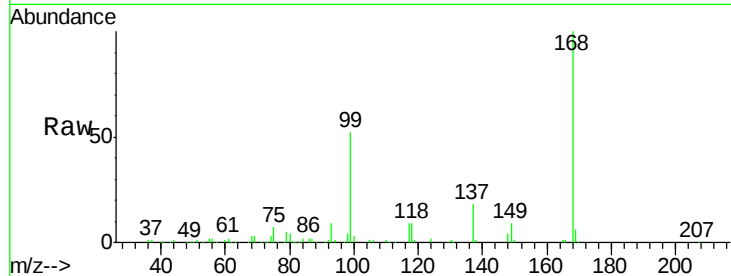
EPE-108-4(69-71)

Tgt Ion:168 Resp: 215770

Ion Ratio Lower Upper

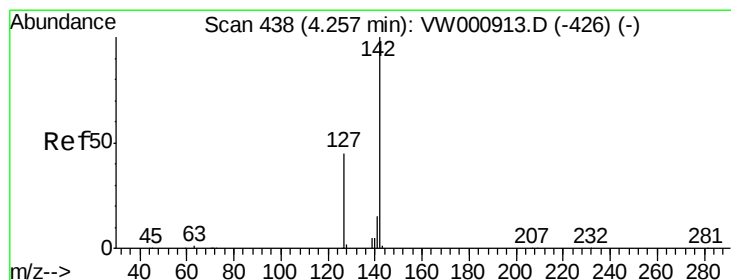
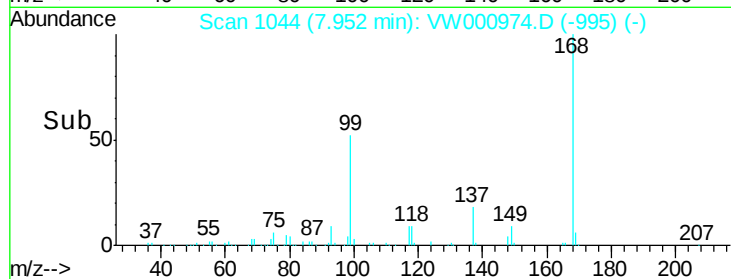
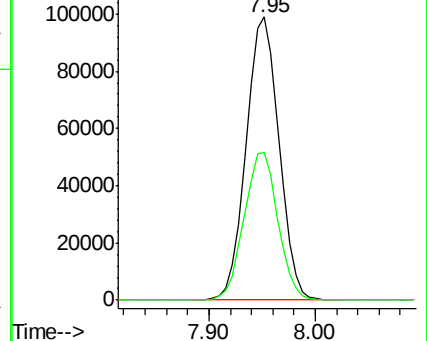
168 100

99 52.2 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#10

Methyl Iodide

Concen: 5.24 ug/l

RT: 4.26 min Scan# 438

Delta R.T. 0.00 min

Lab File: VW000974.D

Acq: 25 Jan 2018 02:52

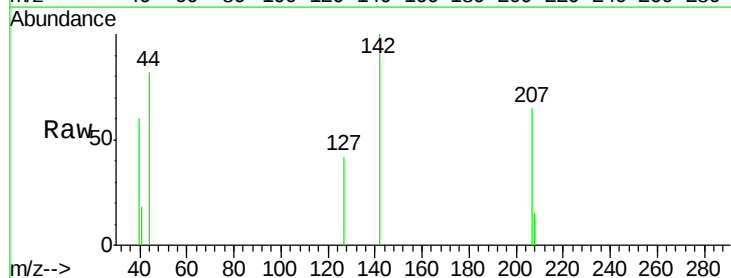
Tgt Ion:142 Resp: 921

Ion Ratio Lower Upper

142 100

127 0.0 35.5 53.3#

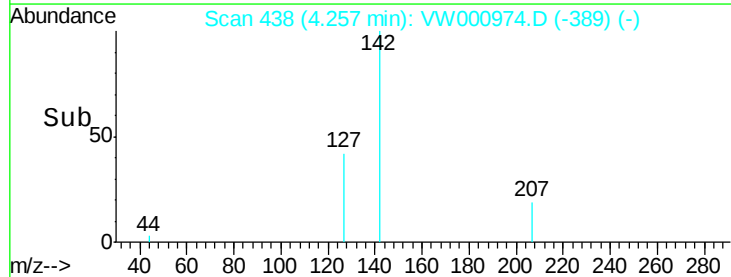
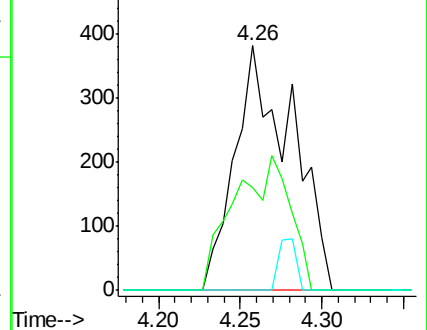
141 0.0 11.7 17.5#

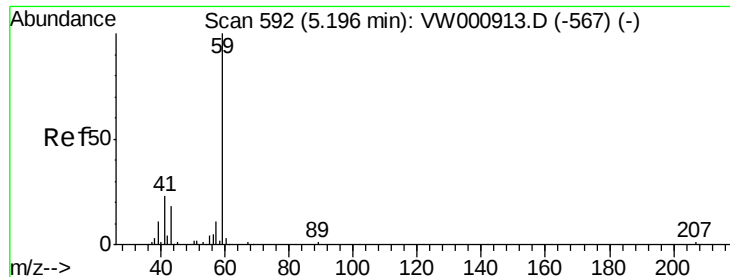


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



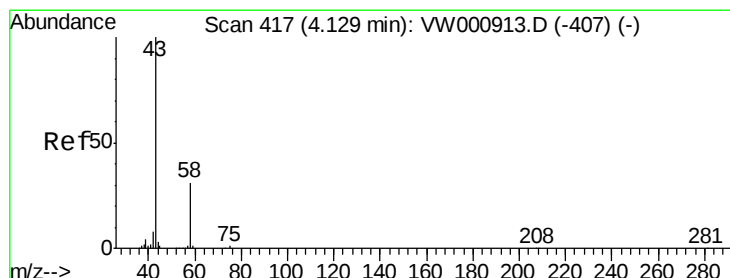
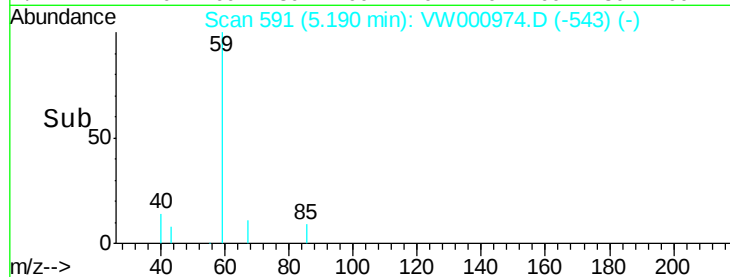
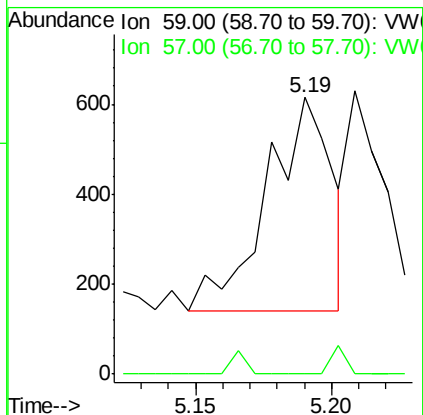
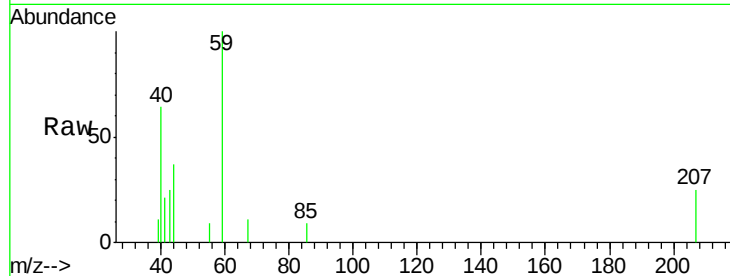


#11

Tert butyl alcohol
 Concen: 3.50 ug/l
 RT: 5.19 min Scan# 591
 Delta R.T. -0.01 min
 Lab File: VW000974.D
 Acq: 25 Jan 2018 02:52

Instrument :
 MSVOA_W
 ClientSampleId :
 EPE-108-4(69-71)

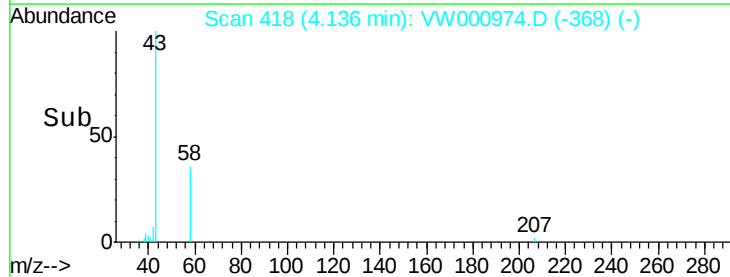
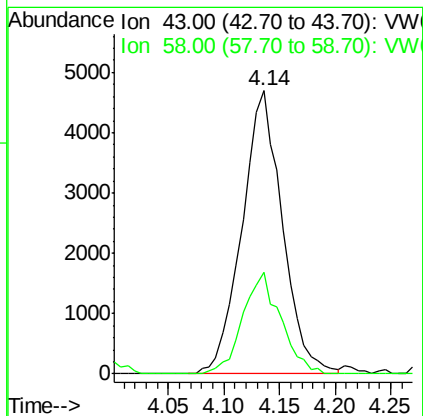
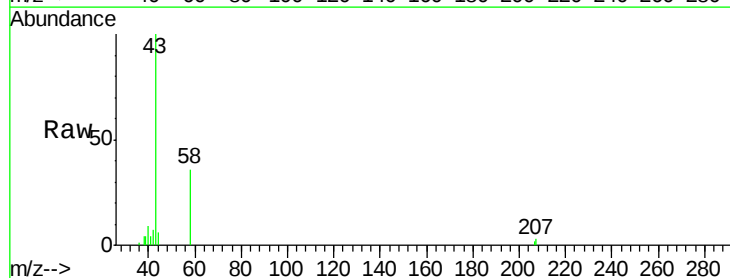
Tgt Ion: 59 Resp: 785
 Ion Ratio Lower Upper
 59 100
 57 2.9 7.0 10.6#

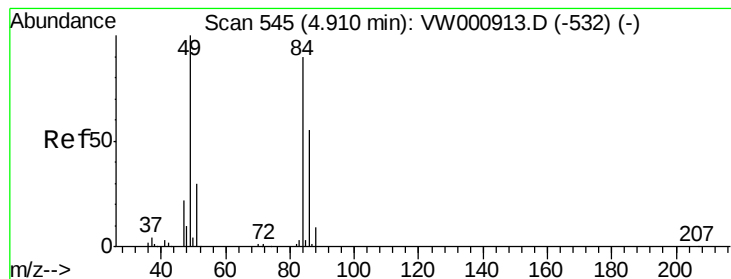


#16

Acetone
 Concen: 30.10 ug/l
 RT: 4.14 min Scan# 418
 Delta R.T. 0.01 min
 Lab File: VW000974.D
 Acq: 25 Jan 2018 02:52

Tgt Ion: 43 Resp: 11847
 Ion Ratio Lower Upper
 43 100
 58 35.8 24.9 37.3





#20

Methylene Chloride

Concen: 49.97 ug/l

RT: 4.91 min Scan# 545

Delta R.T. 0.00 min

Lab File: VW000974.D

Acq: 25 Jan 2018 02:52

Instrument :

MSVOA_W

ClientSampleId :

EPE-108-4(69-71)

Tgt Ion: 84 Resp: 93087

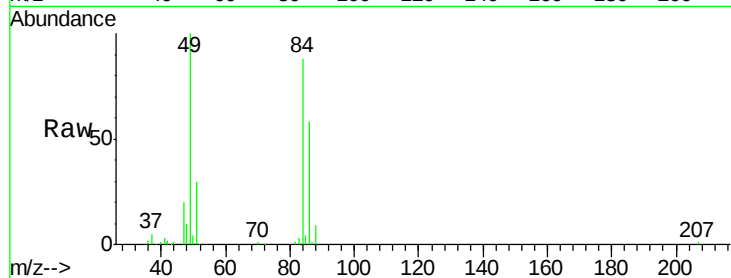
Ion Ratio Lower Upper

84 100

49 113.1 89.0 133.4

51 34.2 26.7 40.1

86 66.2 48.7 73.1

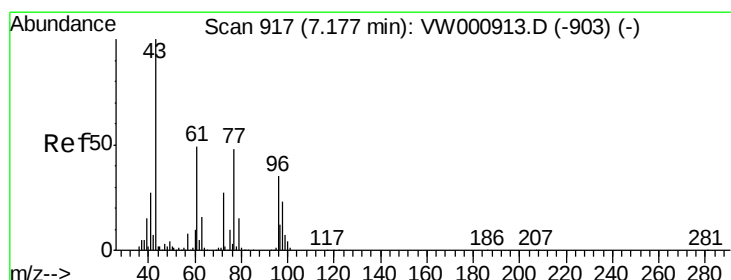
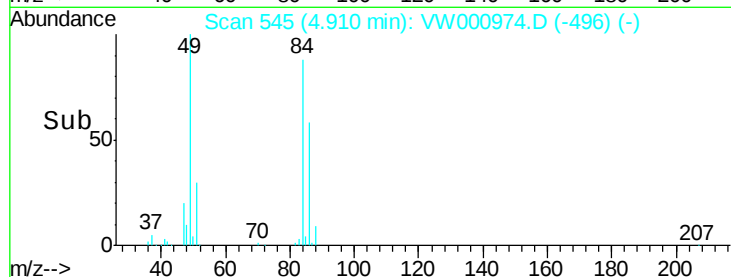
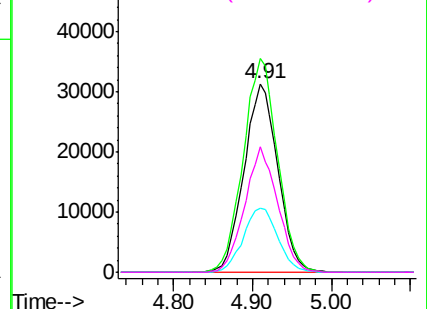


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#25

2-Butanone

Concen: 8.02 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.01 min

Lab File: VW000974.D

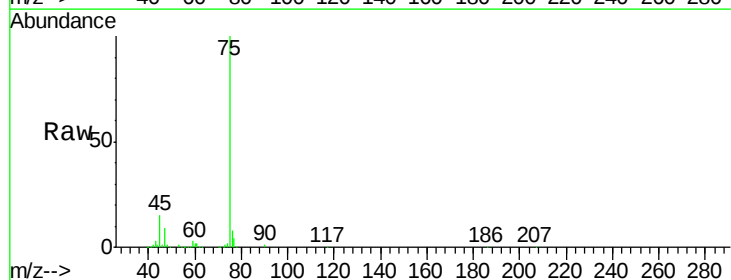
Acq: 25 Jan 2018 02:52

Tgt Ion: 43 Resp: 7335

Ion Ratio Lower Upper

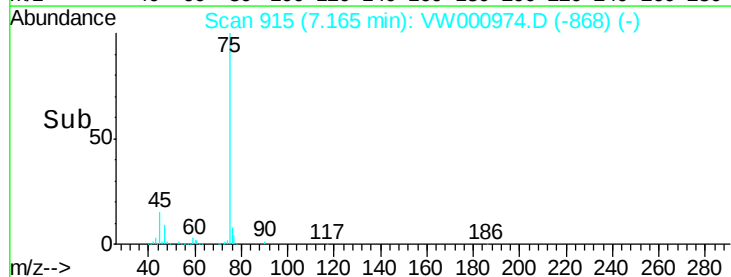
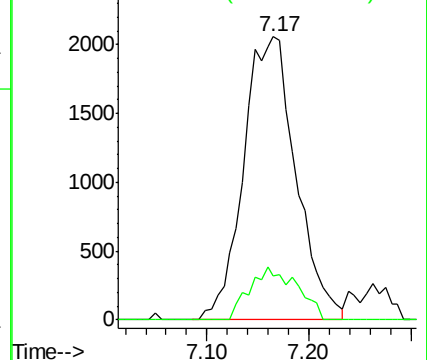
43 100

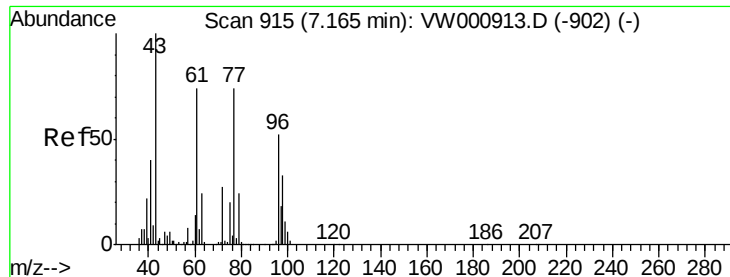
72 15.6 21.5 32.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#26

2,2-Dichloropropane

Concen: 2.60 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW000974.D

Acq: 25 Jan 2018 02:52

Instrument :

MSVOA_W

ClientSampleId :

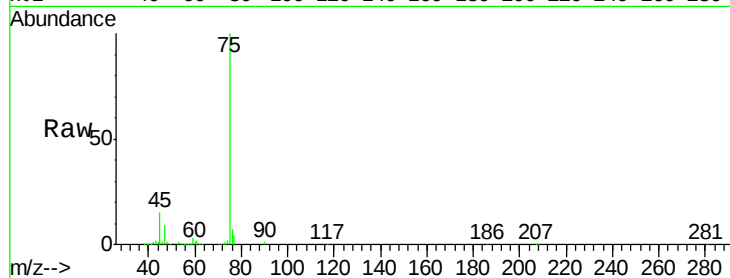
EPE-108-4(69-71)

Tgt Ion: 77 Resp: 8590

Ion Ratio Lower Upper

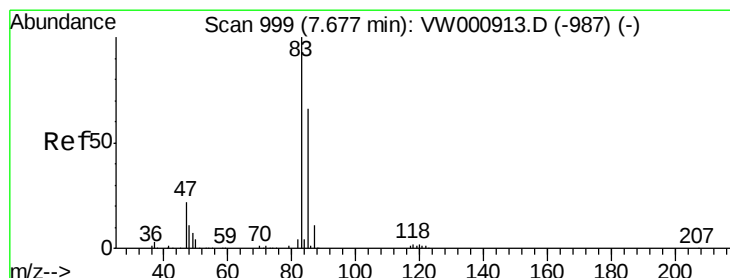
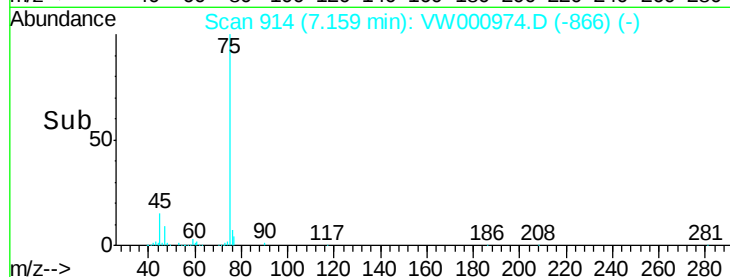
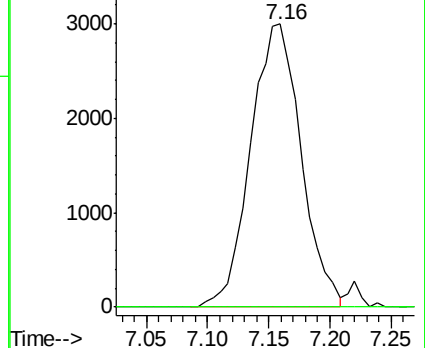
77 100

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



#30

Chloroform

Concen: 1.13 ug/l

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW000974.D

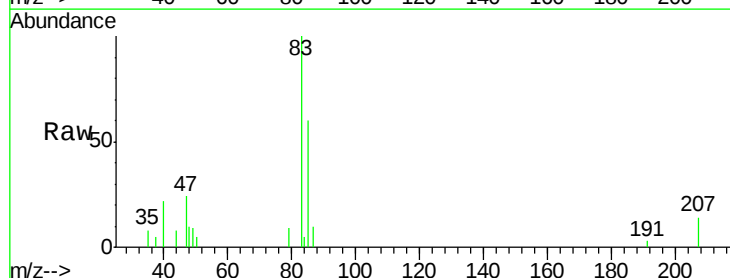
Acq: 25 Jan 2018 02:52

Tgt Ion: 83 Resp: 3991

Ion Ratio Lower Upper

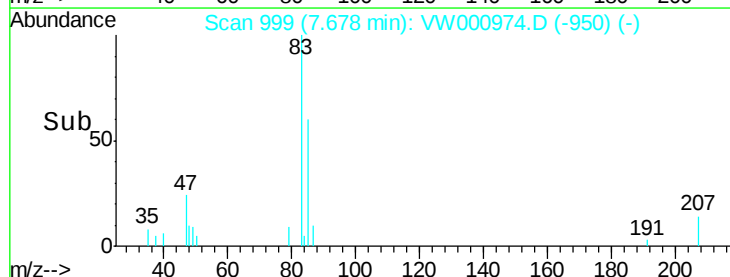
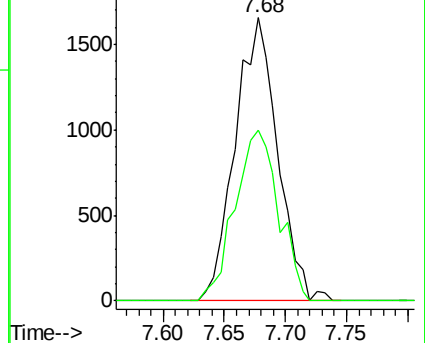
83 100

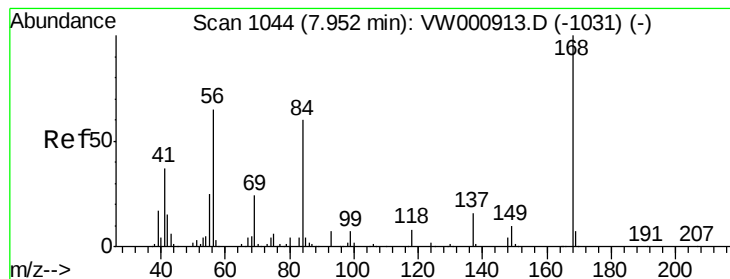
85 60.3 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 1.27 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW000974.D

Acq: 25 Jan 2018 02:52

Instrument :

MSVOA_W

ClientSampleId :

EPE-108-4(69-71)

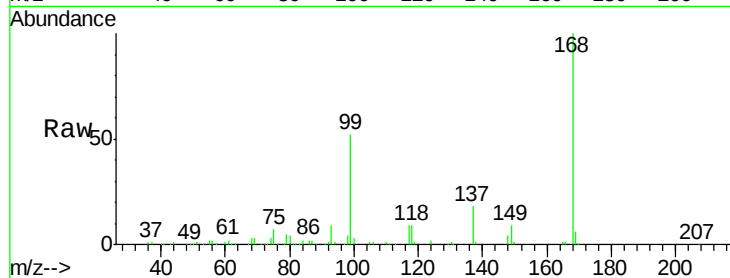
Tgt Ion: 56 Resp: 4269

Ion Ratio Lower Upper

56 100

69 185.4 29.2 43.8#

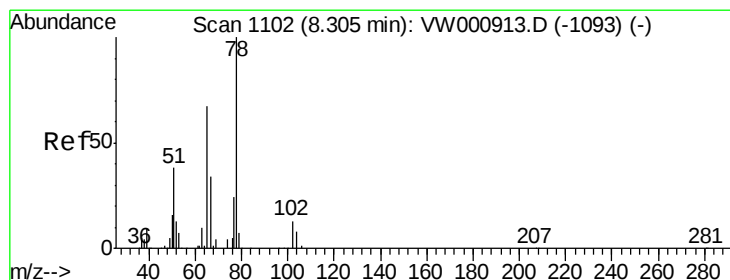
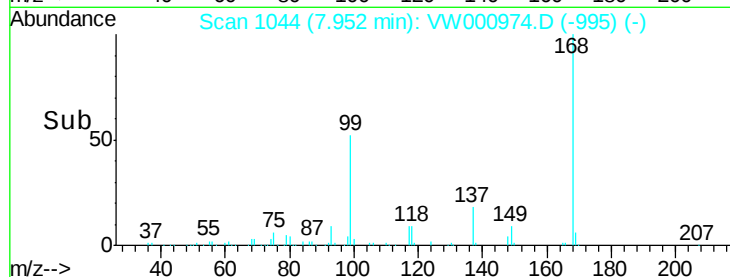
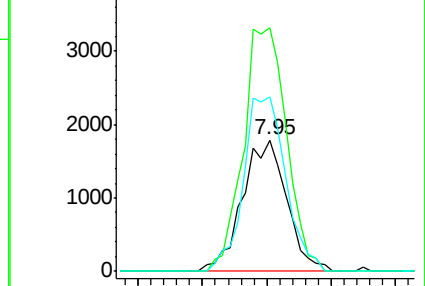
84 132.4 73.6 110.4#



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: 65.17 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VW000974.D

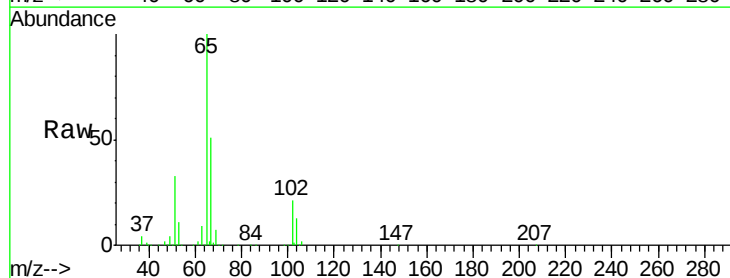
Acq: 25 Jan 2018 02:52

Tgt Ion: 65 Resp: 134776

Ion Ratio Lower Upper

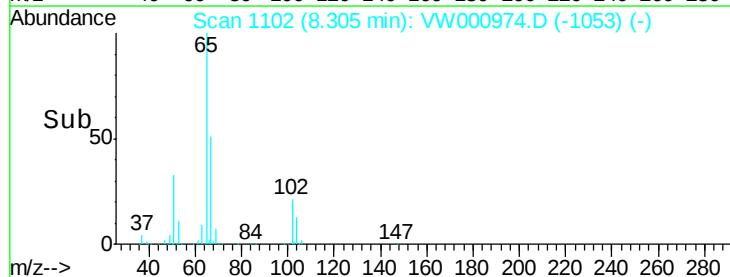
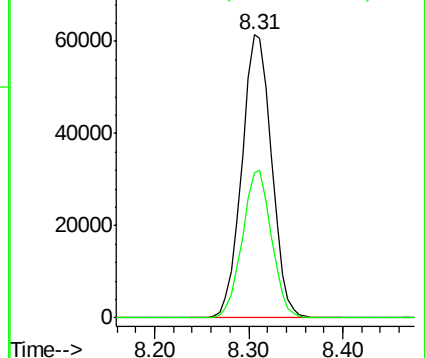
65 100

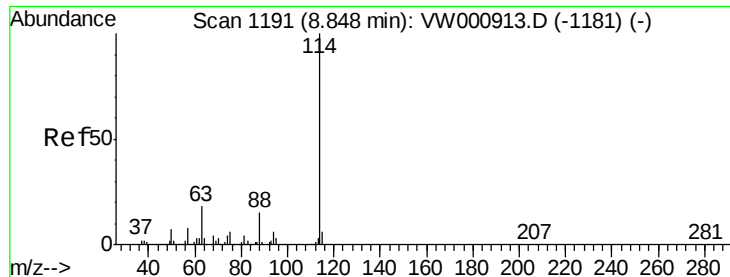
67 51.2 0.0 105.8



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: VW000974.D

Acq: 25 Jan 2018 02:52

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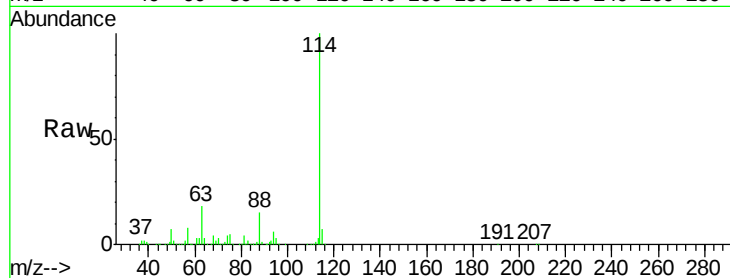
Tgt Ion:114 Resp: 336385

Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.8

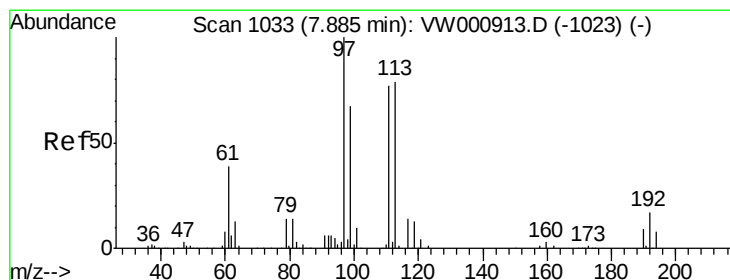
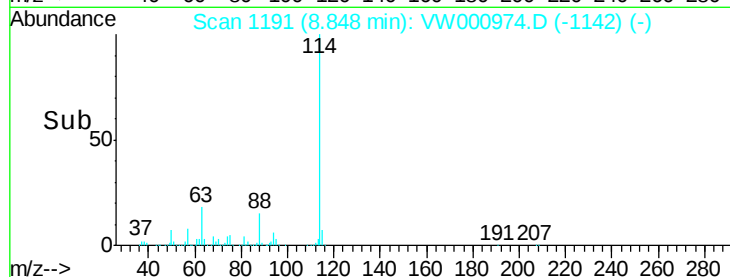
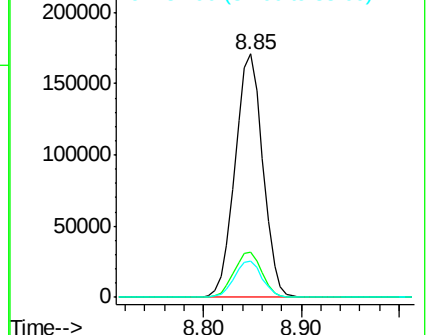
88 15.1 0.0 29.8



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: 63.20 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW000974.D

Acq: 25 Jan 2018 02:52

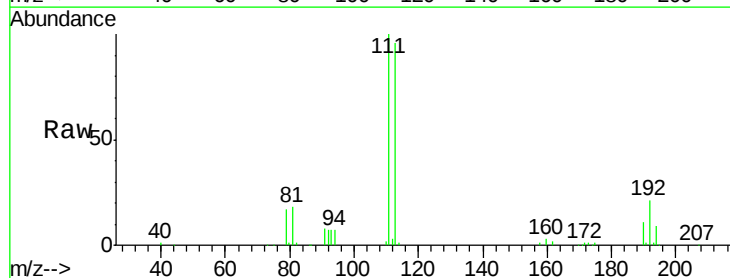
Tgt Ion:113 Resp: 130240

Ion Ratio Lower Upper

113 100

111 102.5 80.4 120.6

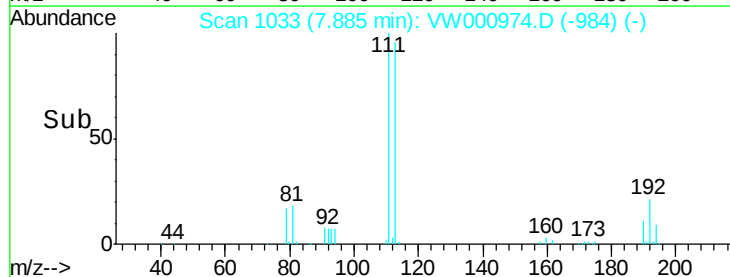
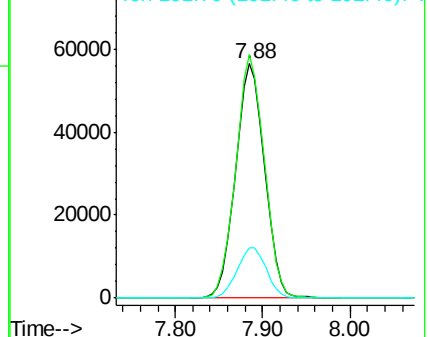
192 21.8 17.0 25.4

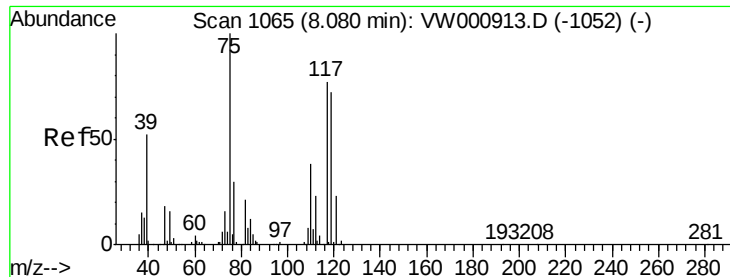


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.80 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW000974.D

Acq: 25 Jan 2018 02:52

Instrument :

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EPE-108-4(69-71)

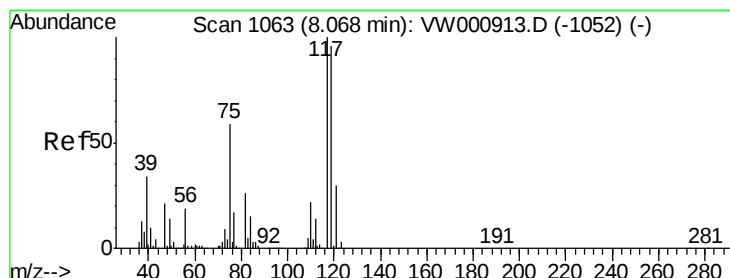
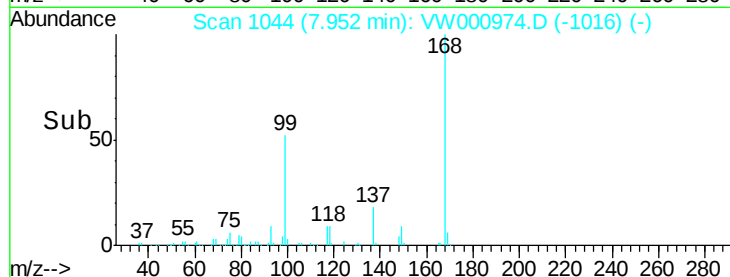
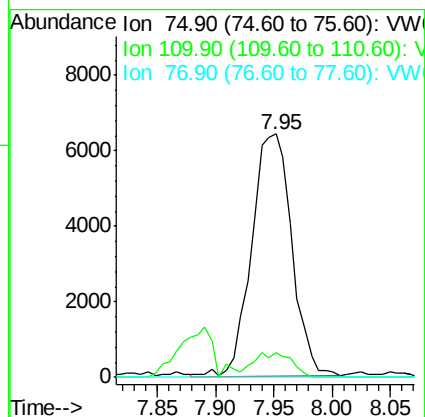
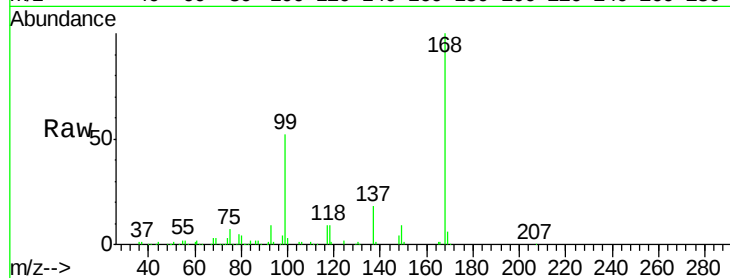
Tgt Ion: 75 Resp: 15393

Ion Ratio Lower Upper

75 100

110 9.6 18.6 56.0#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.82 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW000974.D

Acq: 25 Jan 2018 02:52

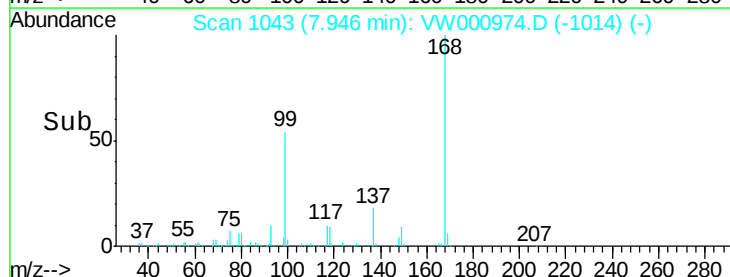
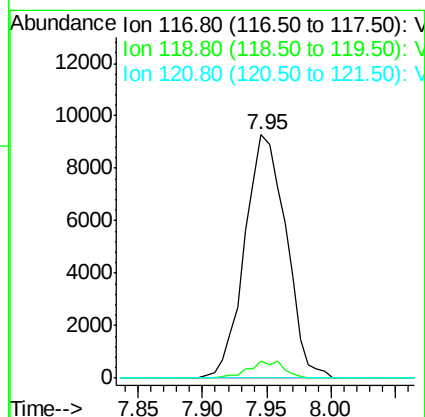
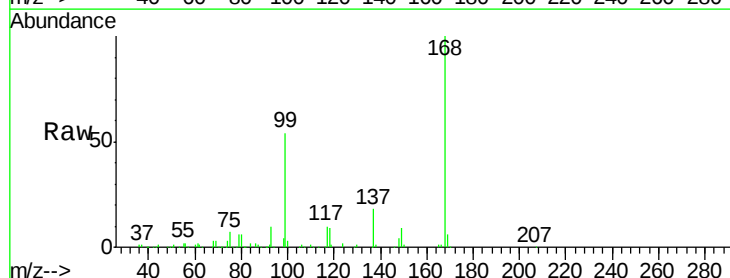
Tgt Ion: 117 Resp: 20622

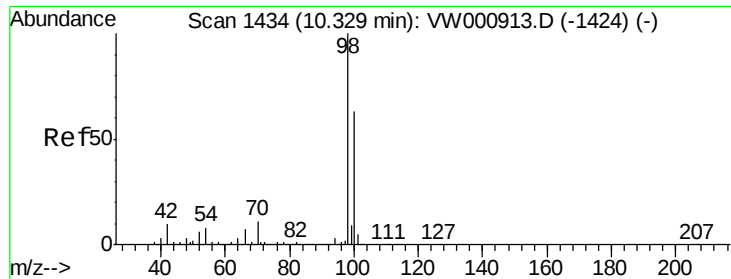
Ion Ratio Lower Upper

117 100

119 7.0 76.5 114.7#

121 0.0 24.3 36.5#





#50

Toluene-d8

Concen: 50.34 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW000974.D

Acq: 25 Jan 2018 02:52

Instrument :

MSVOA_W

ClientSampleId :

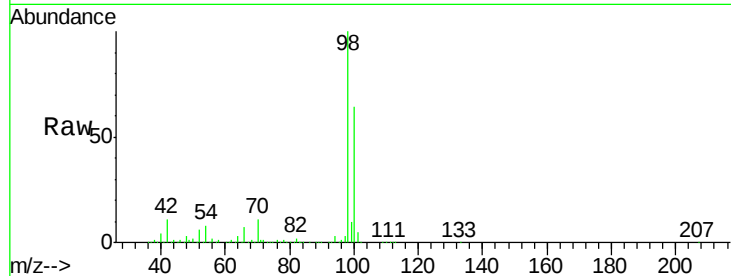
EPE-108-4(69-71)

Tgt Ion: 98 Resp: 408926

Ion Ratio Lower Upper

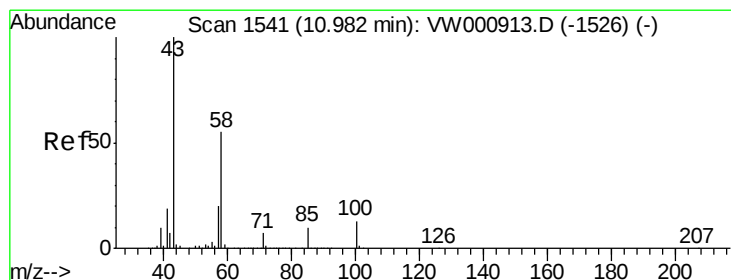
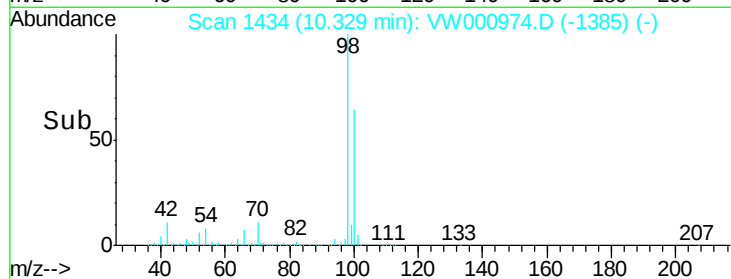
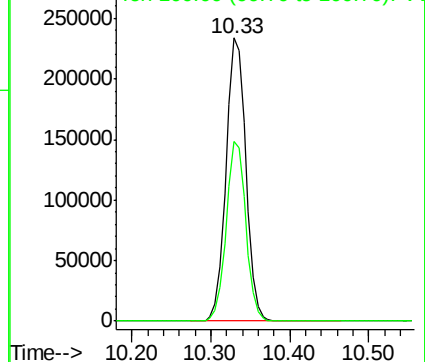
98 100

100 62.6 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#59

2-Hexanone

Concen: 14.70 ug/l

RT: 10.97 min Scan# 1539

Delta R.T. -0.01 min

Lab File: VW000974.D

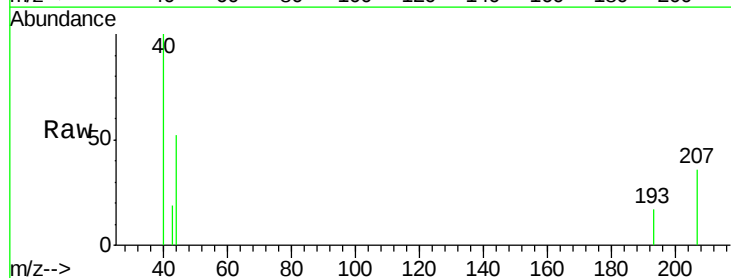
Acq: 25 Jan 2018 02:52

Tgt Ion: 43 Resp: 46

Ion Ratio Lower Upper

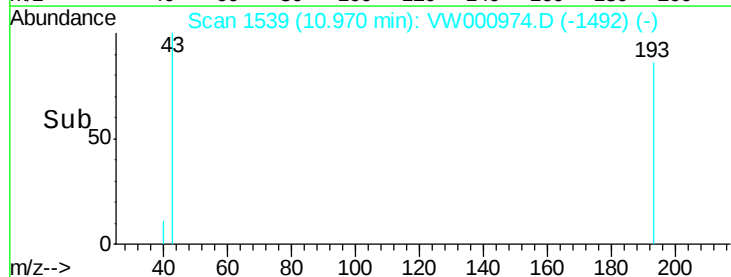
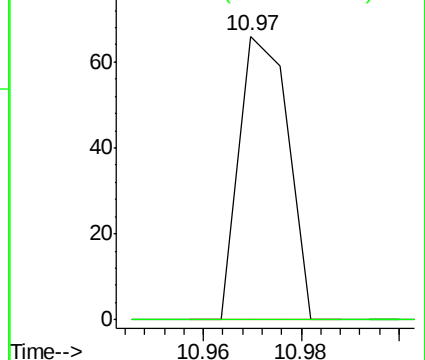
43 100

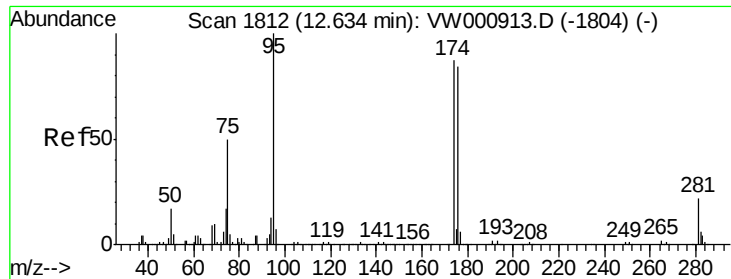
58 0.0 27.4 82.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#62

4-Bromofluorobenzene

Concen: 25.99 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW000974.D

Acq: 25 Jan 2018 02:52

Instrument :

MSVOA_W

ClientSampleId :

EPE-108-4(69-71)

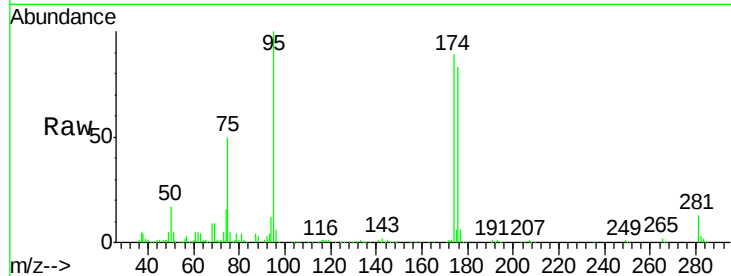
Tgt Ion: 95 Resp: 76880

Ion Ratio Lower Upper

95 100

174 91.5 0.0 176.8

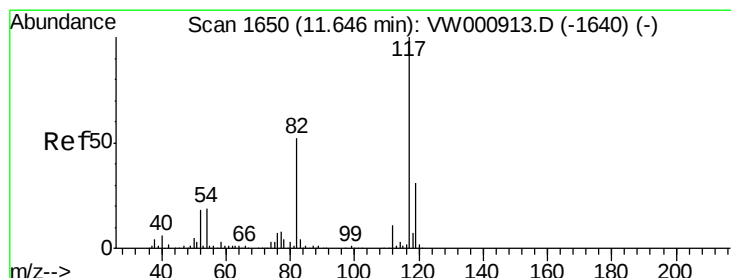
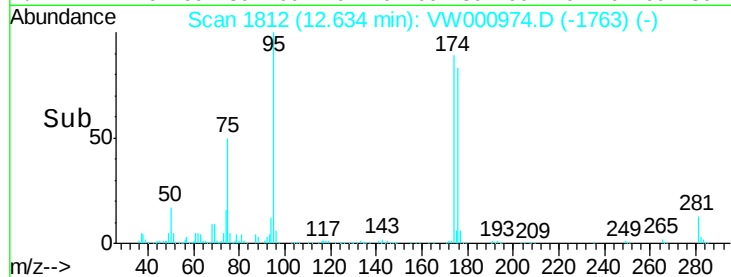
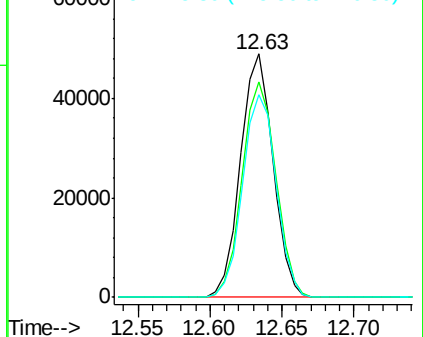
176 85.5 0.0 171.8



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. -0.01 min

Lab File: VW000974.D

Acq: 25 Jan 2018 02:52

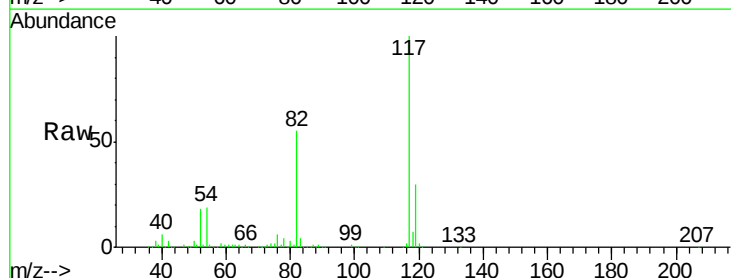
Tgt Ion: 117 Resp: 234856

Ion Ratio Lower Upper

117 100

82 54.6 41.8 62.6

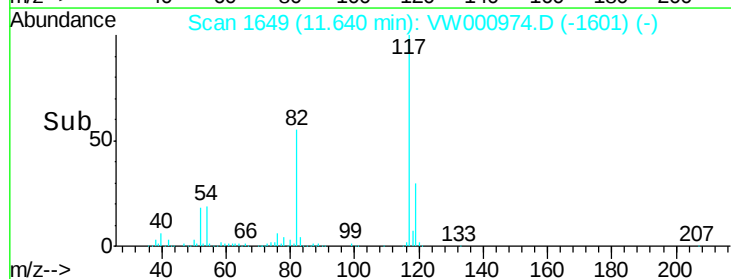
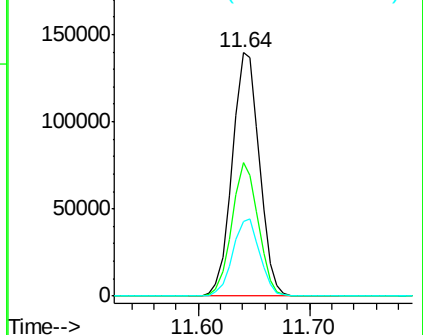
119 30.5 25.2 37.8

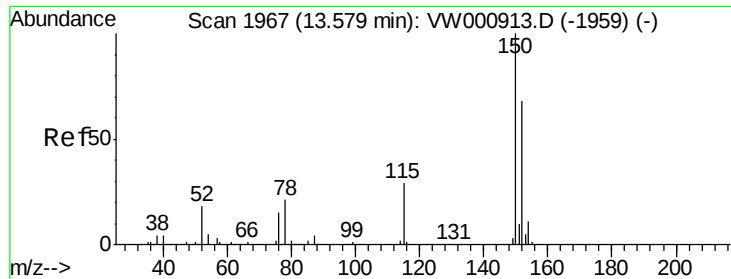


Abundance Ion 116.90 (116.60 to 117.60): VW

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. 0.00 min

Lab File: VW000974.D

Acq: 25 Jan 2018 02:52

Instrument :

MSVOA_W

ClientSampleId :

EPE-108-4(69-71)

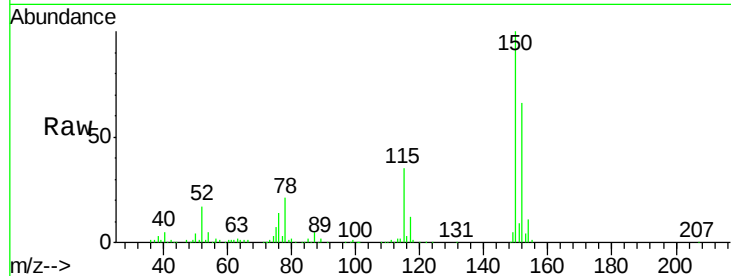
Tgt Ion:152 Resp: 51886

Ion Ratio Lower Upper

152 100

115 55.9 28.5 85.5

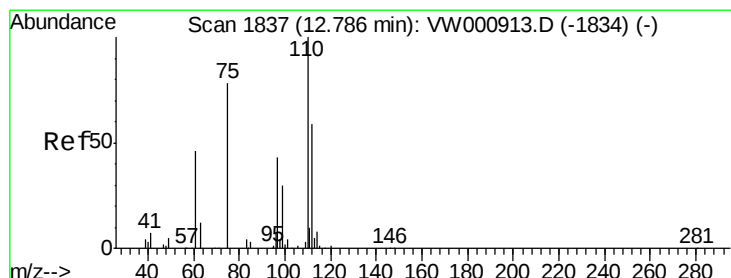
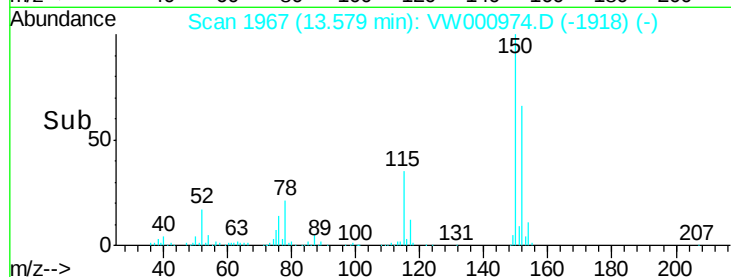
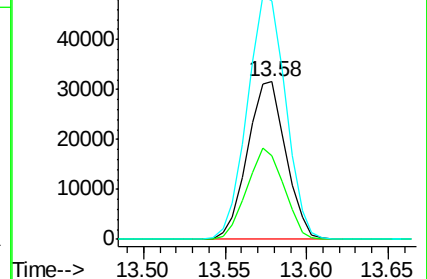
150 154.4 0.0 342.0



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: 65.74 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. -0.15 min

Lab File: VW000974.D

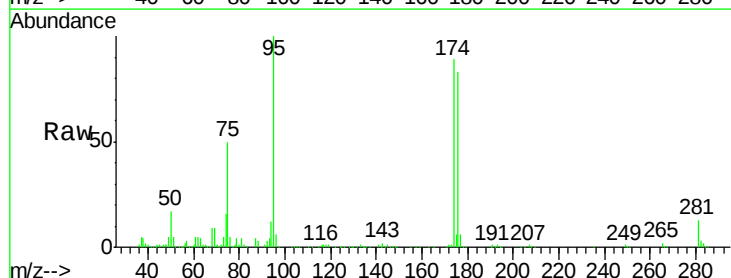
Acq: 25 Jan 2018 02:52

Tgt Ion: 75 Resp: 39471

Ion Ratio Lower Upper

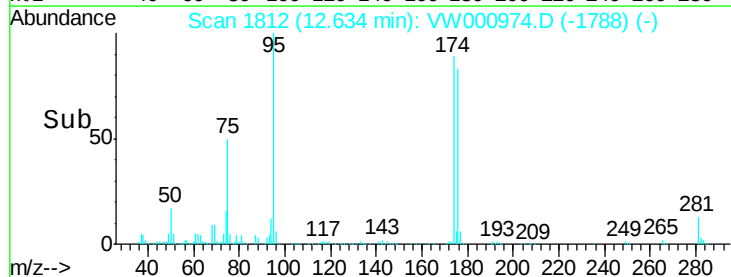
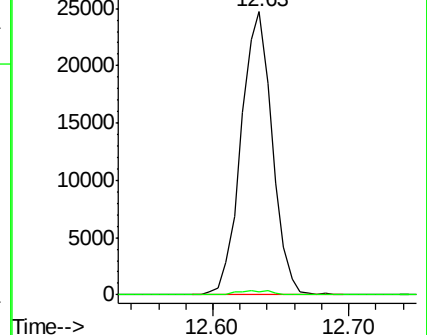
75 100

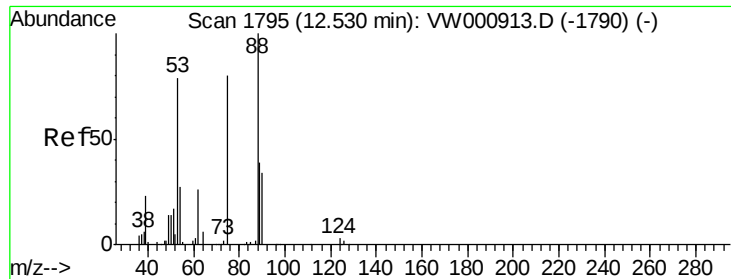
77 1.6 0.0 0.0#



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: 154.51 ug/l
 RT: 12.63 min Scan# 1812
 Delta R.T. 0.10 min
 Lab File: VW000974.D
 Acq: 25 Jan 2018 02:52

Instrument :
 MSVOA_W
 ClientSampleId :
 EPE-108-4(69-71)

Tgt Ion: 75 Resp: 39471
 Ion Ratio Lower Upper
 75 100
 53 0.1 77.5 116.3#
 89 0.0 38.2 57.4#

