

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012418\
 Data File : VW000970.D
 Acq On : 25 Jan 2018 01:13
 Operator : JC/SY
 Sample : J1288-05
 Misc : 6.56G/5.0ML/MSVOA_W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EPE-108-4(90-92)

Quant Time: Jan 25 04:47:41 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	174665	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	268311	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	164434	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	29788	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	100748	60.18	ug/l	0.00
Spiked Amount			Recovery	=	120.36%	
35) Dibromofluoromethane	7.88	113	97589	59.37	ug/l	0.00
Spiked Amount			Recovery	=	118.74%	
50) Toluene-d8	10.33	98	277980	42.90	ug/l	0.00
Spiked Amount			Recovery	=	85.80%	
62) 4-Bromofluorobenzene	12.63	95	44638	18.92	ug/l	0.00
Spiked Amount			Recovery	=	37.84%	

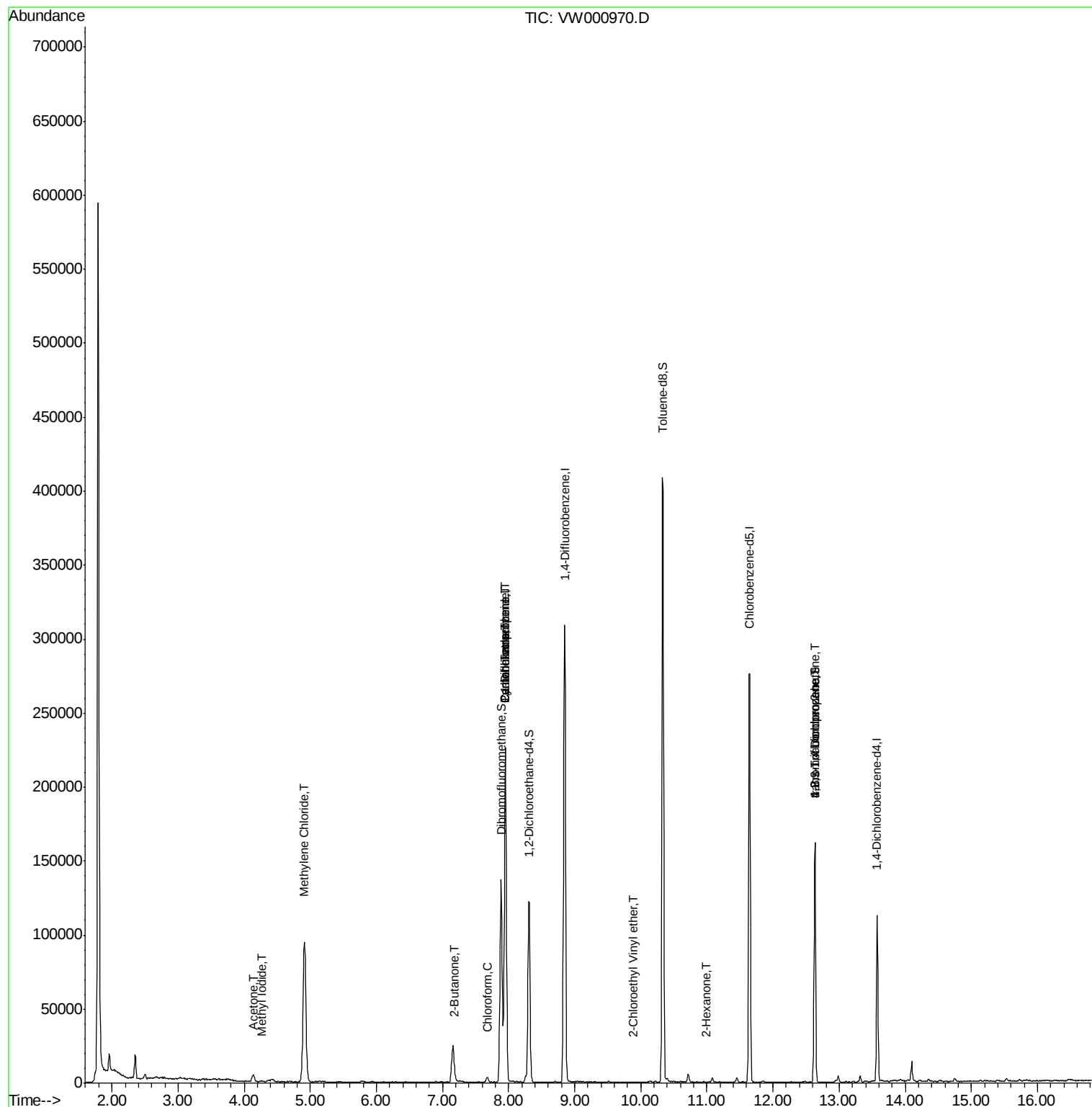
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.27	142	787	5.26	ug/l #	68
16) Acetone	4.14	43	8444	28.66	ug/l	89
20) Methylene Chloride	4.91	84	74699	49.51	ug/l	95
25) 2-Butanone	7.18	43	2608	3.52	ug/l	92
30) Chloroform	7.67	83	2892	1.01	ug/l #	78
31) Cyclohexane	7.95	56	3614	1.32	ug/l #	17
36) 1,1-Dichloropropene	7.95	75	12986	5.07	ug/l #	49
38) Carbon Tetrachloride	7.95	117	17058	6.04	ug/l #	15
58) 2-Chloroethyl Vinyl ether	9.88	63	38	25.88	ug/l #	45
59) 2-Hexanone	10.98	43	41	14.70	ug/l #	24
76) 1,2,3-Trichloropropane	12.63	75	22874	66.36	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	22874	155.92	ug/l #	11

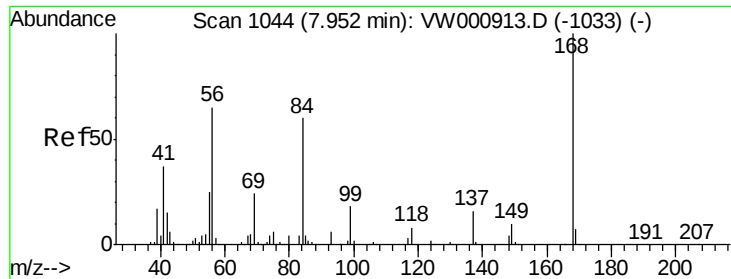
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW000970.D

Acq: 25 Jan 2018 01:13

Instrument :

MSVOA_W

ClientSampleId :

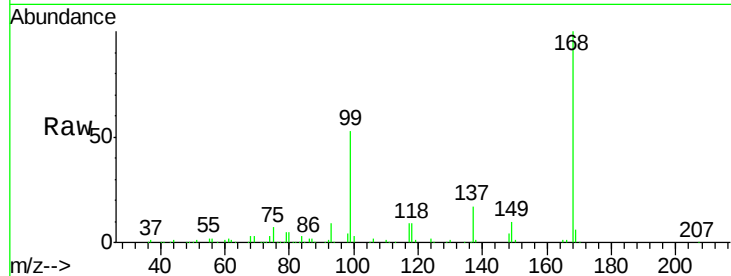
EPE-108-4(90-92)

Tgt Ion:168 Resp: 174665

Ion Ratio Lower Upper

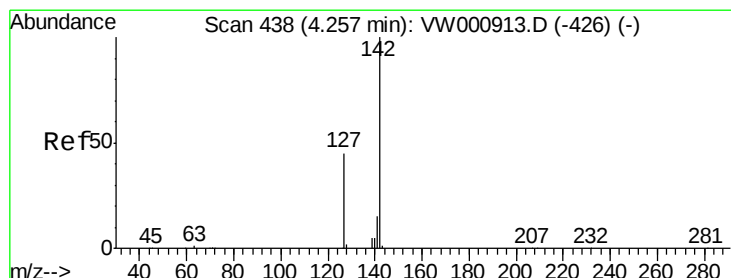
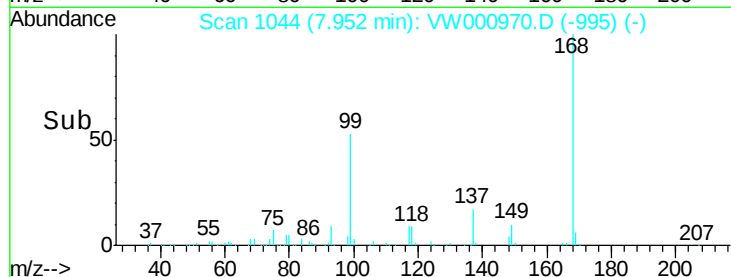
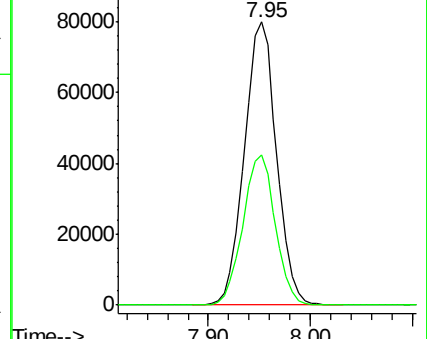
168 100

99 53.0 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: 5.26 ug/l

RT: 4.27 min Scan# 440

Delta R.T. 0.01 min

Lab File: VW000970.D

Acq: 25 Jan 2018 01:13

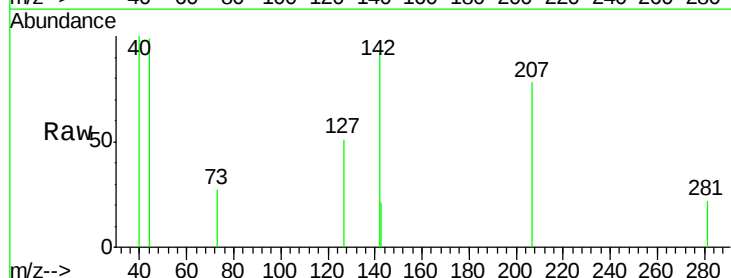
Tgt Ion:142 Resp: 787

Ion Ratio Lower Upper

142 100

127 24.1 35.5 53.3#

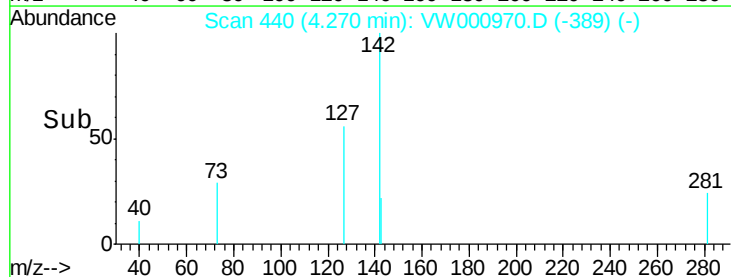
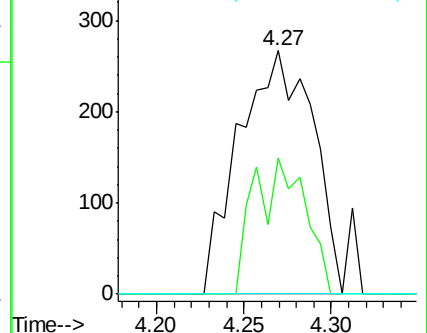
141 0.0 11.7 17.5#

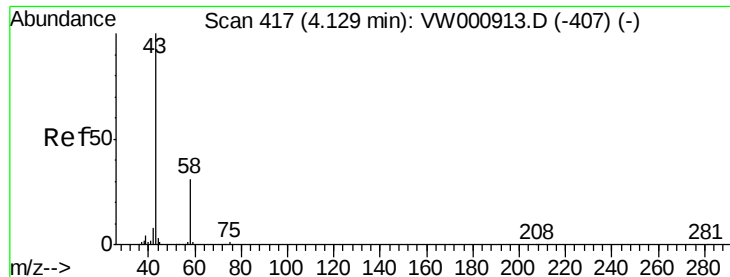


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#16

Acetone

Concen: 28.66 ug/l

RT: 4.14 min Scan# 419

Delta R.T. 0.01 min

Lab File: VW000970.D

Acq: 25 Jan 2018 01:13

Instrument :

MSVOA_W

ClientSampleId :

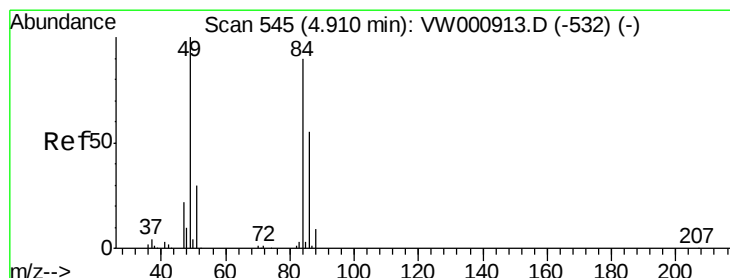
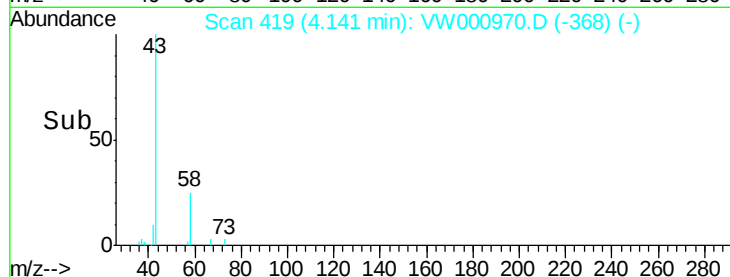
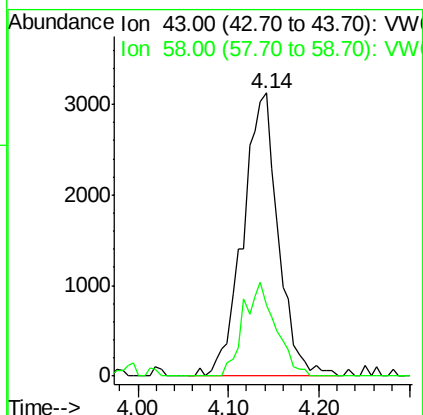
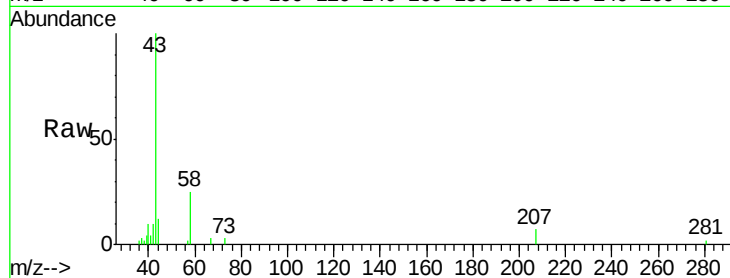
EPE-108-4(90-92)

Tgt Ion: 43 Resp: 8444

Ion Ratio Lower Upper

43 100

58 25.3 24.9 37.3



#20

Methylene Chloride

Concen: 49.51 ug/l

RT: 4.91 min Scan# 545

Delta R.T. 0.00 min

Lab File: VW000970.D

Acq: 25 Jan 2018 01:13

Tgt Ion: 84 Resp: 74699

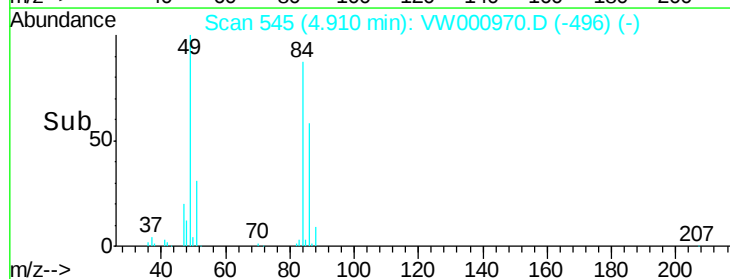
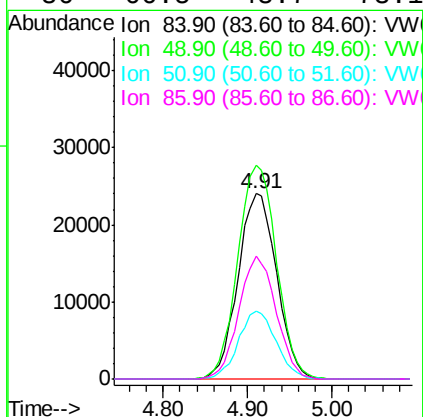
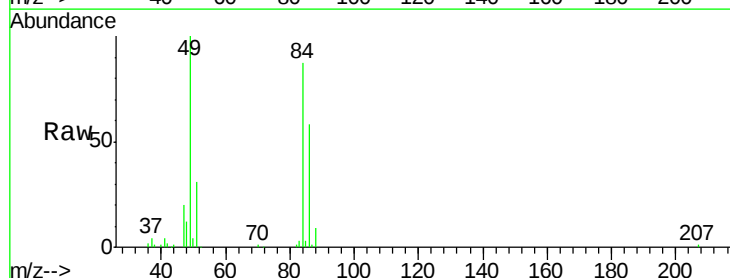
Ion Ratio Lower Upper

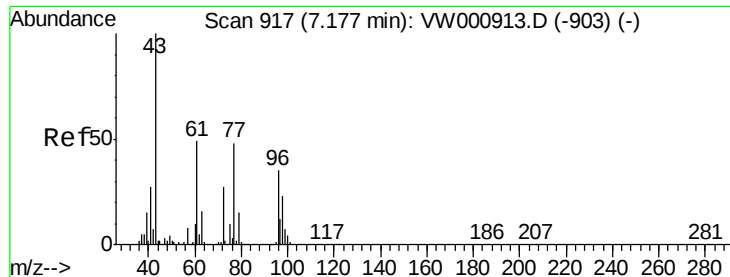
84 100

49 115.4 89.0 133.4

51 36.3 26.7 40.1

86 66.5 48.7 73.1





#25

2-Butanone

Concen: 3.52 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.01 min

Lab File: VW000970.D

Acq: 25 Jan 2018 01:13

Instrument :

MSVOA_W

ClientSampleId :

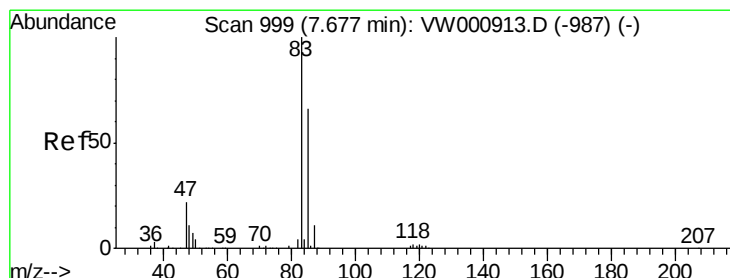
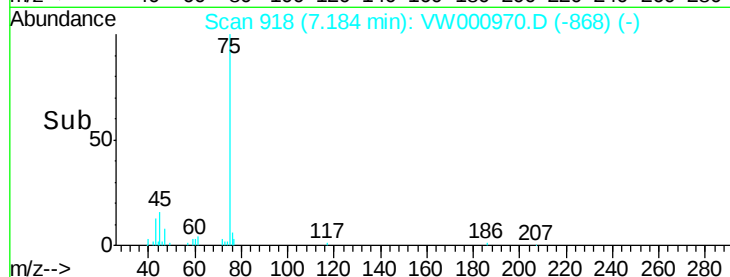
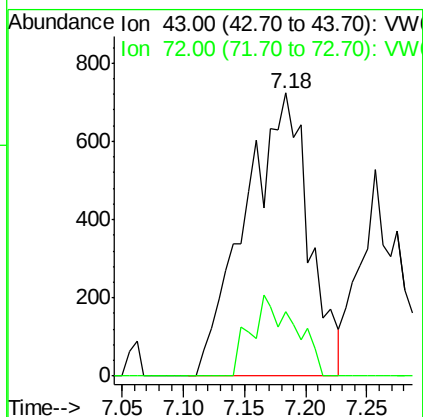
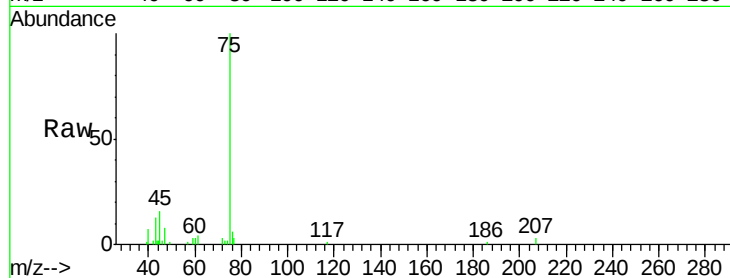
EPE-108-4(90-92)

Tgt Ion: 43 Resp: 2608

Ion Ratio Lower Upper

43 100

72 22.5 21.5 32.3



#30

Chloroform

Concen: 1.01 ug/l

RT: 7.67 min Scan# 998

Delta R.T. -0.01 min

Lab File: VW000970.D

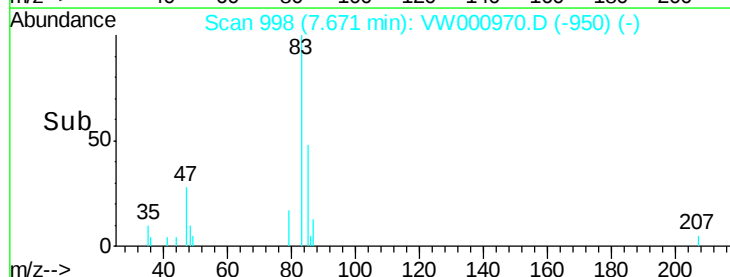
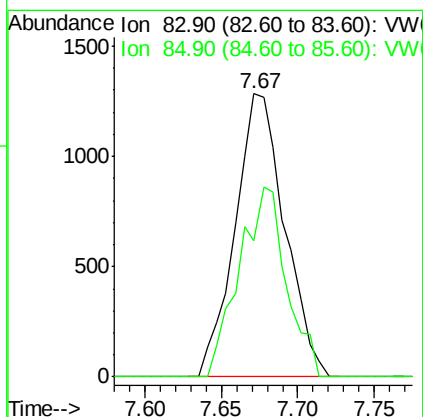
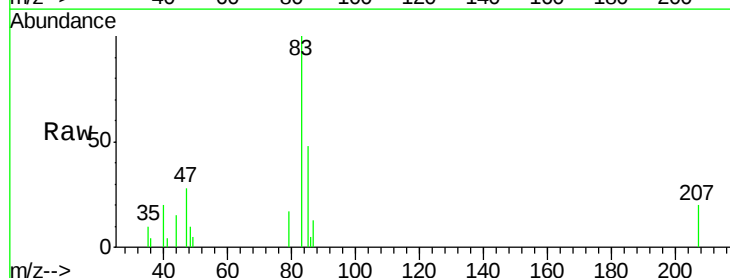
Acq: 25 Jan 2018 01:13

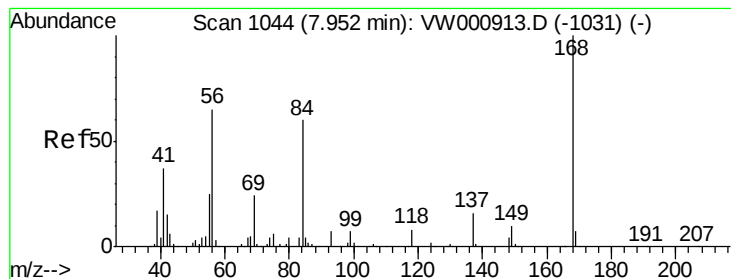
Tgt Ion: 83 Resp: 2892

Ion Ratio Lower Upper

83 100

85 48.2 52.5 78.7#





#31

Cyclohexane

Concen: 1.32 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW000970.D

Acq: 25 Jan 2018 01:13

Instrument :

MSVOA_W

ClientSampleId :

EPE-108-4(90-92)

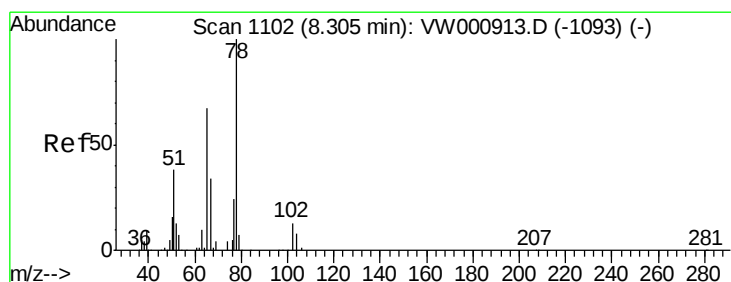
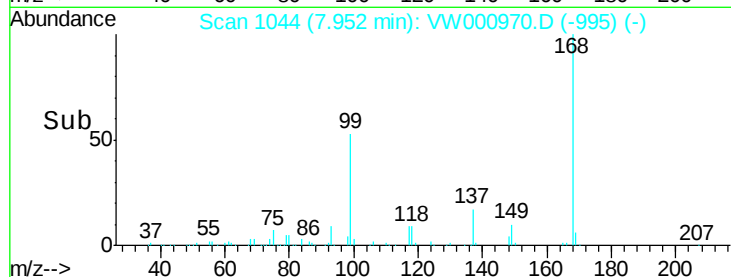
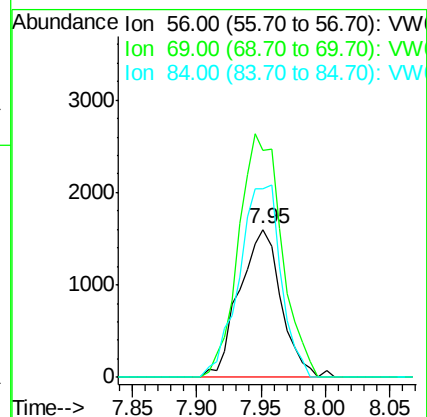
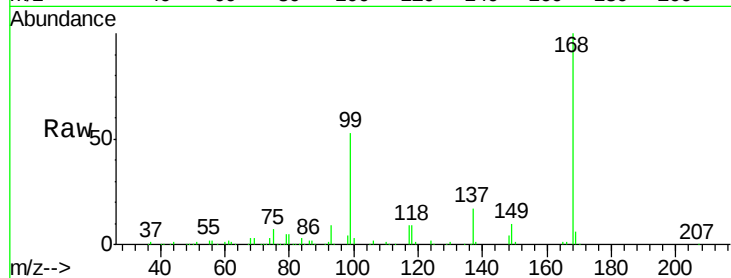
Tgt Ion: 56 Resp: 3614

Ion Ratio Lower Upper

56 100

69 153.3 29.2 43.8#

84 127.6 73.6 110.4#



#33

1,2-Dichloroethane-d4

Concen: 60.18 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VW000970.D

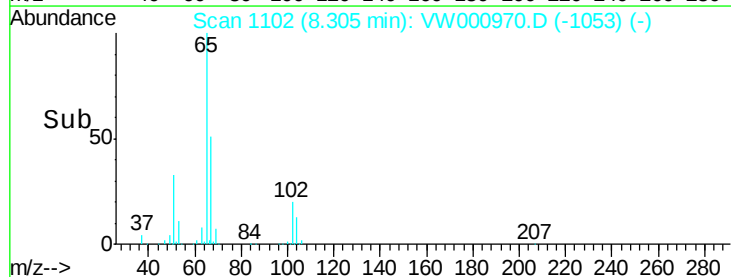
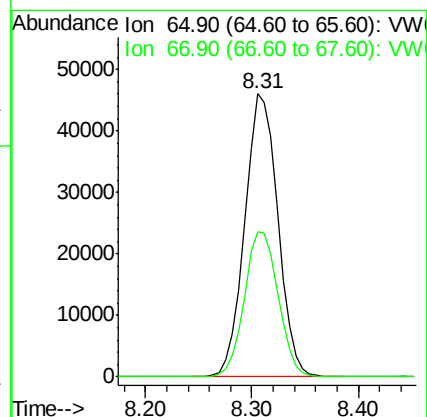
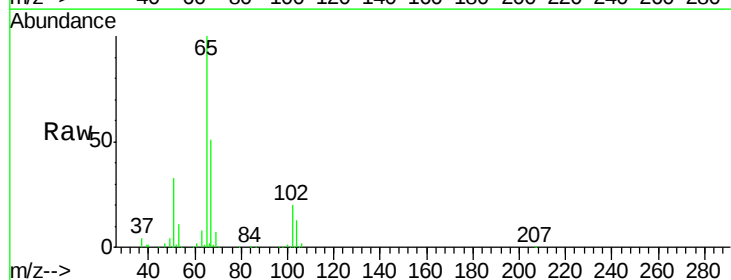
Acq: 25 Jan 2018 01:13

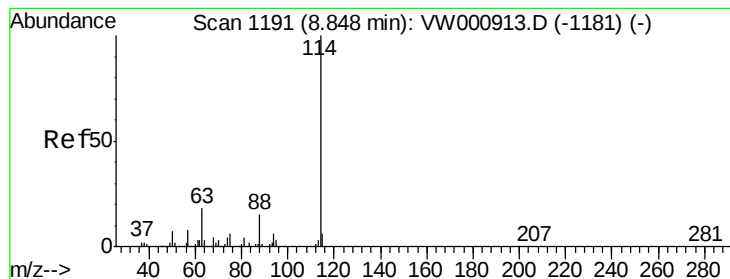
Tgt Ion: 65 Resp: 100748

Ion Ratio Lower Upper

65 100

67 52.2 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW000970.D

Acq: 25 Jan 2018 01:13

Instrument :

MSVOA_W

ClientSampleId :

EPE-108-4(90-92)

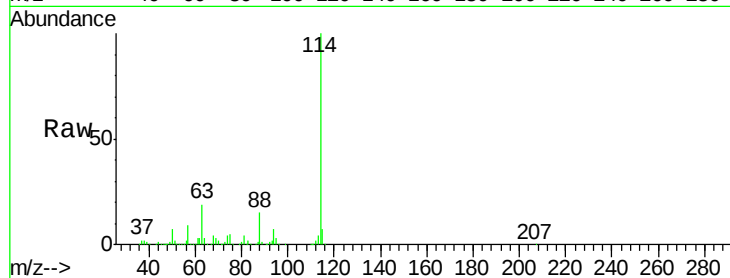
Tgt Ion:114 Resp: 268311

Ion Ratio Lower Upper

114 100

63 19.0 0.0 36.8

88 15.3 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

150000

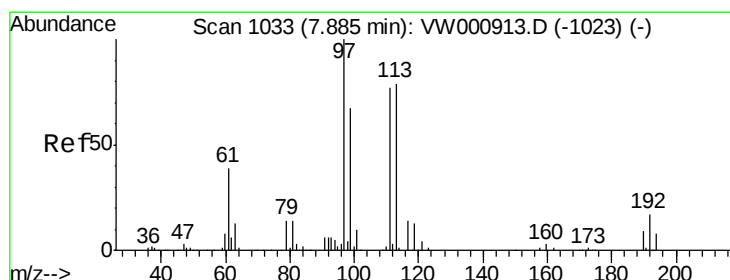
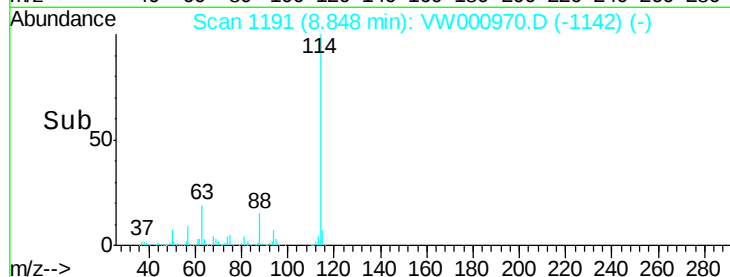
100000

50000

0

8.80 8.85 8.90 9.00

Time-->



#35

Dibromofluoromethane

Concen: 59.37 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW000970.D

Acq: 25 Jan 2018 01:13

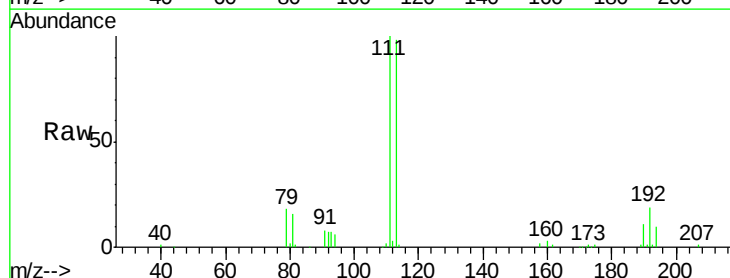
Tgt Ion:113 Resp: 97589

Ion Ratio Lower Upper

113 100

111 101.2 80.4 120.6

192 20.8 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

50000

40000

30000

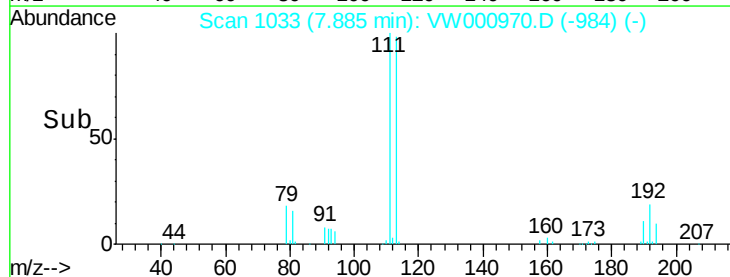
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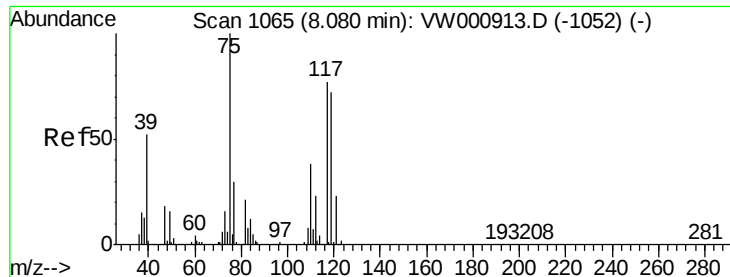
10000

0

7.80 7.88 7.90 8.00

Time-->

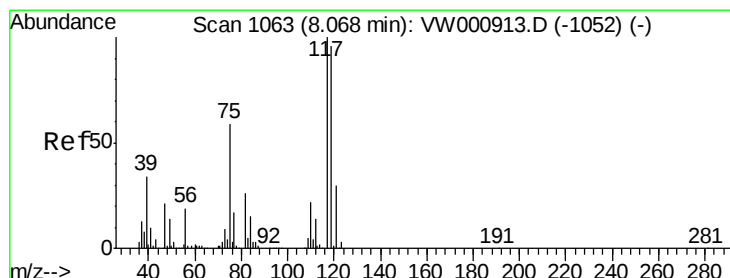
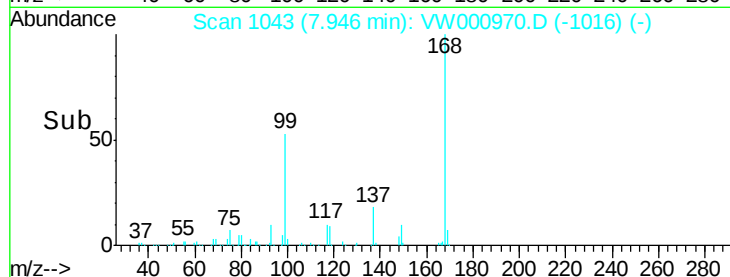
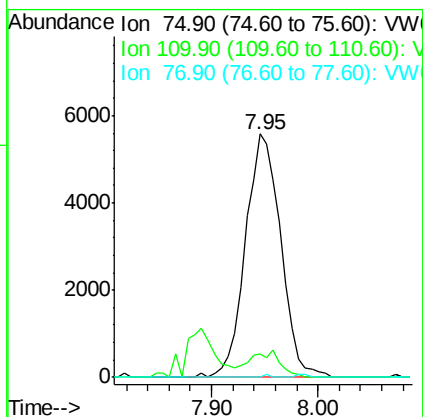
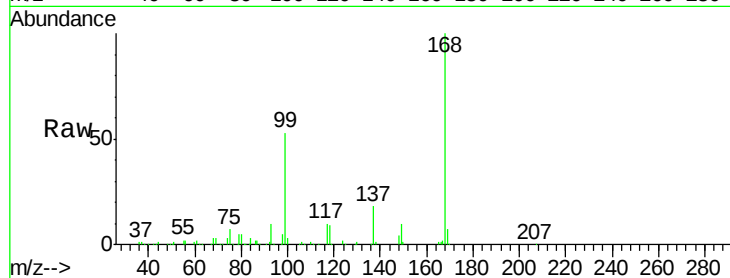




#36
 1,1-Dichloropropene
 Concen: 5.07 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW000970.D
 Acq: 25 Jan 2018 01:13

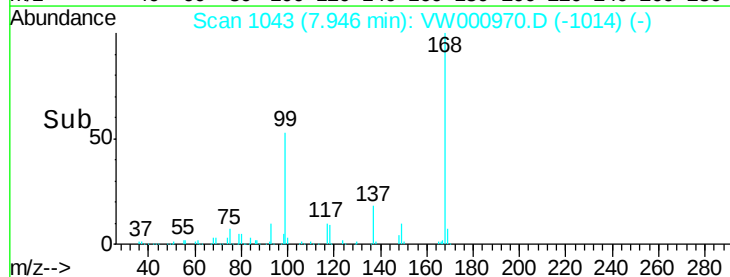
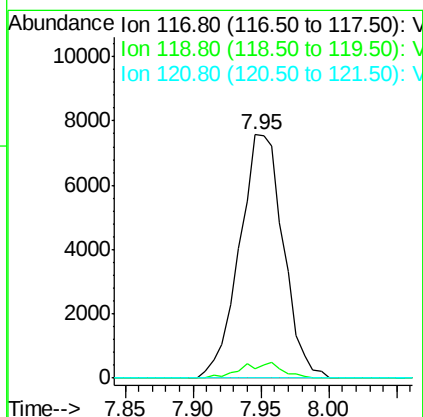
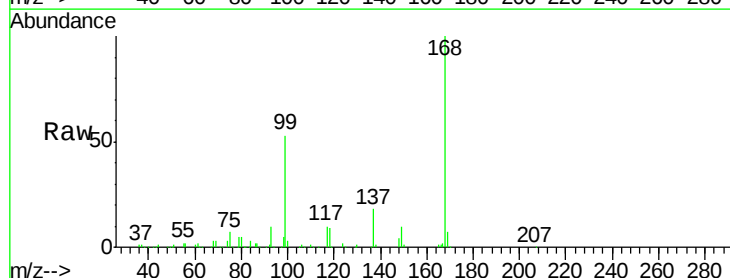
Instrument :
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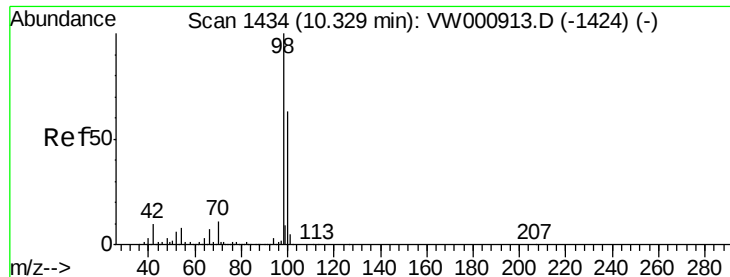
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	18.6	56.0#
77	0.2	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.04 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.12 min
 Lab File: VW000970.D
 Acq: 25 Jan 2018 01:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.6	76.5	114.7#
121	0.0	24.3	36.5#





#50

Toluene-d8

Concen: 42.90 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW000970.D

Acq: 25 Jan 2018 01:13

Instrument :

MSVOA_W

ClientSampleId :

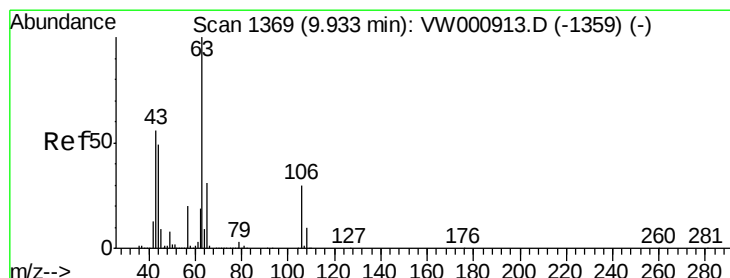
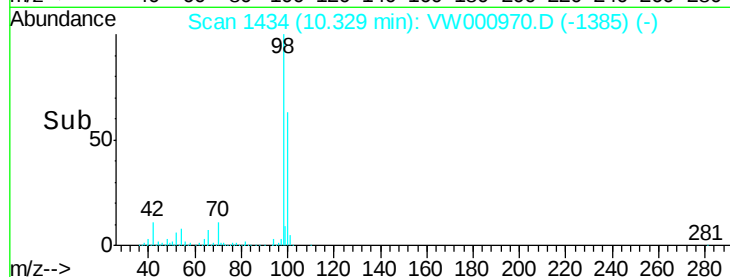
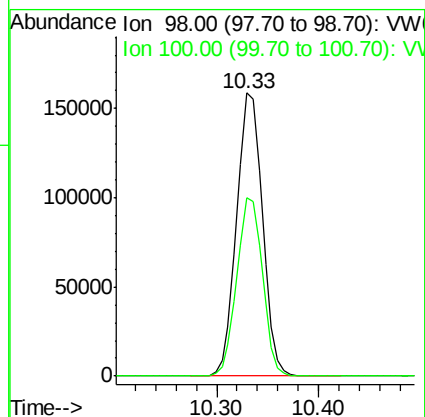
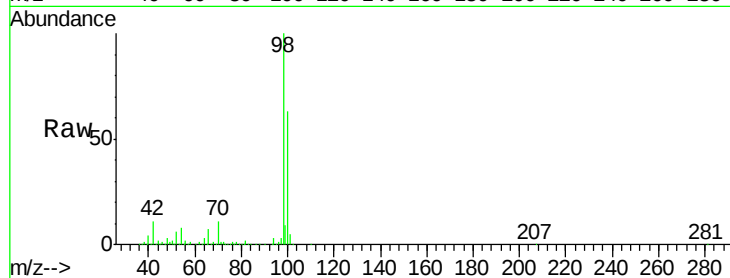
EPE-108-4(90-92)

Tgt Ion: 98 Resp: 277980

Ion Ratio Lower Upper

98 100

100 62.7 50.8 76.2



#58

2-Chloroethyl Vinyl ether

Concen: 25.88 ug/l

RT: 9.88 min Scan# 1361

Delta R.T. -0.05 min

Lab File: VW000970.D

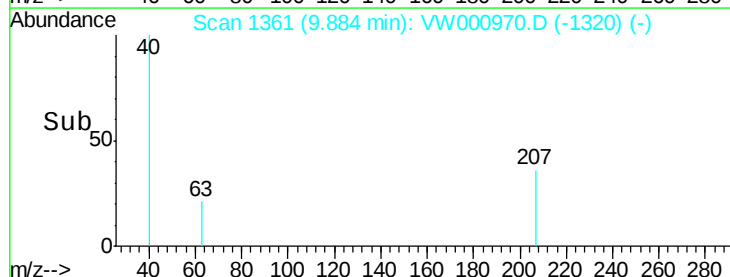
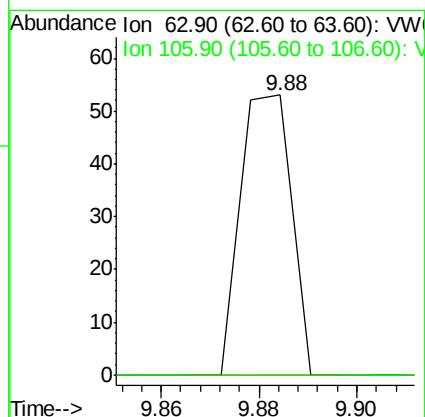
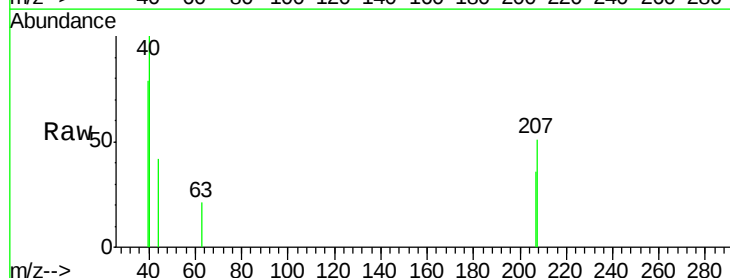
Acq: 25 Jan 2018 01:13

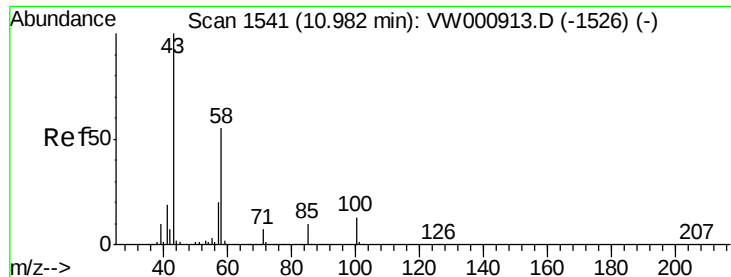
Tgt Ion: 63 Resp: 38

Ion Ratio Lower Upper

63 100

106 0.0 23.8 35.8#





#59

2-Hexanone

Concen: 14.70 ug/l

RT: 10.98 min Scan# 1540

Delta R.T. -0.01 min

Lab File: VW000970.D

Acq: 25 Jan 2018 01:13

Instrument :

MSVOA_W

ClientSampleId :

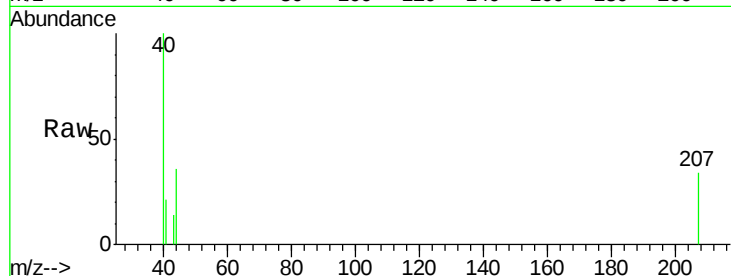
EPE-108-4(90-92)

Tgt Ion: 43 Resp: 41

Ion Ratio Lower Upper

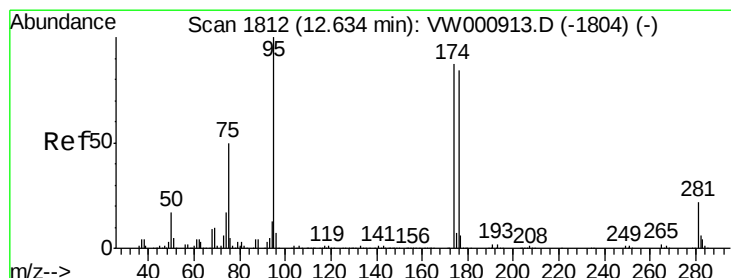
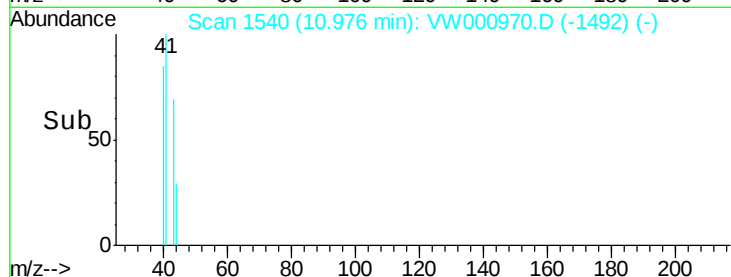
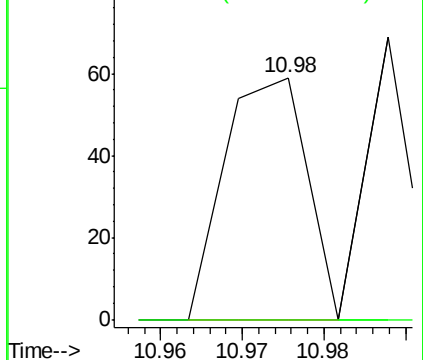
43 100

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: 18.92 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW000970.D

Acq: 25 Jan 2018 01:13

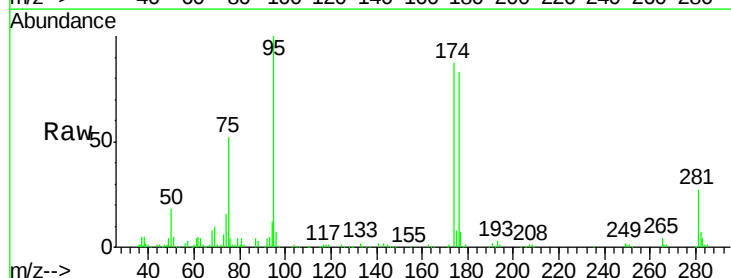
Tgt Ion: 95 Resp: 44638

Ion Ratio Lower Upper

95 100

174 87.6 0.0 176.8

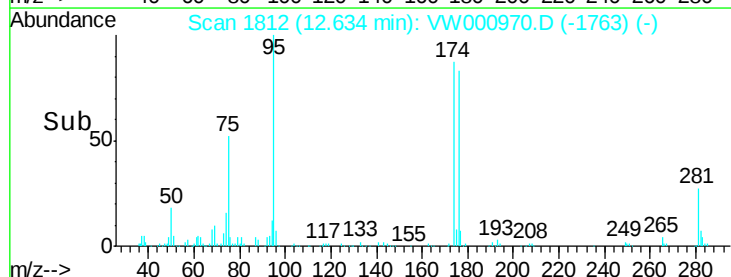
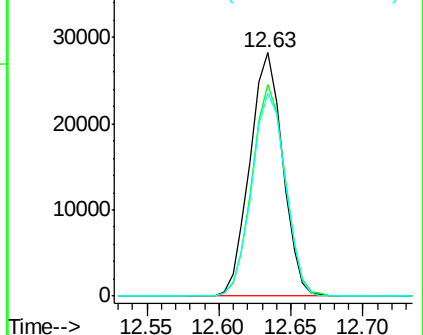
176 85.2 0.0 171.8

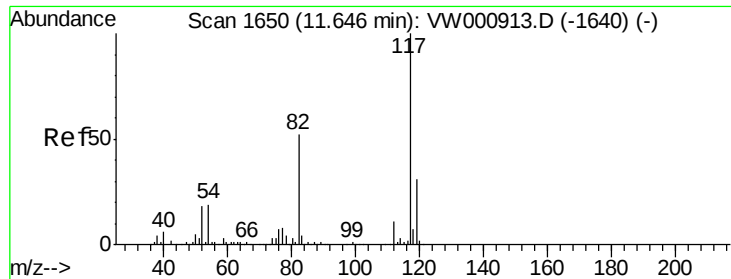


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

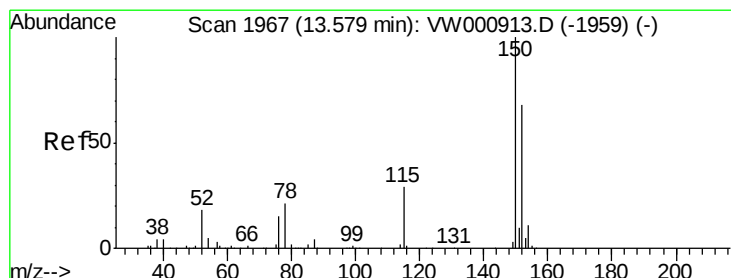
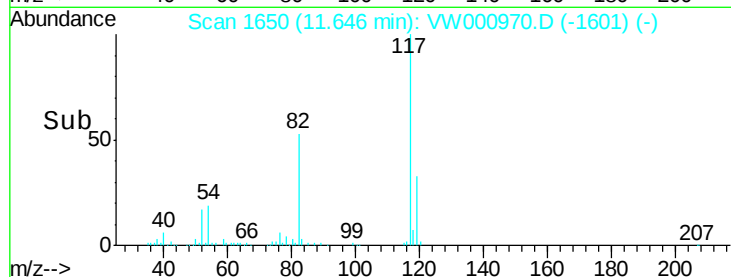
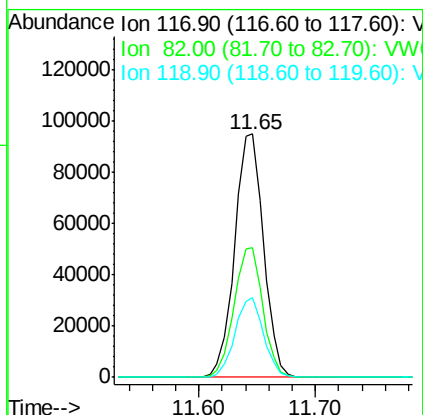
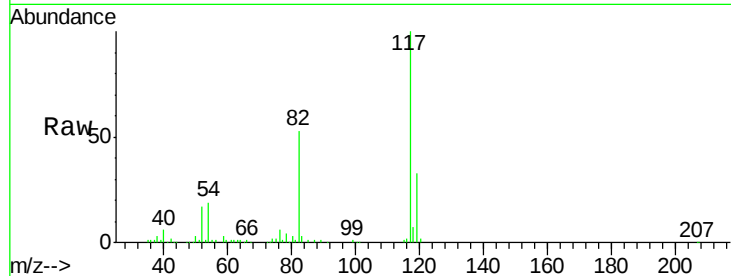




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VW000970.D
Acq: 25 Jan 2018 01:13

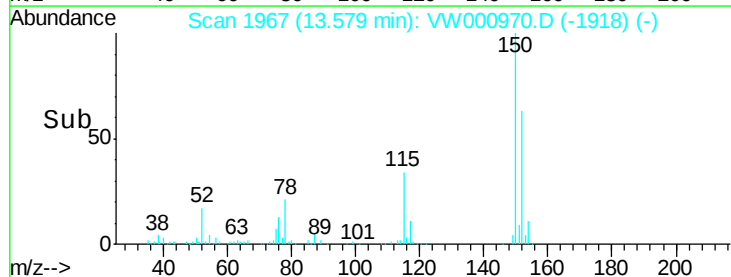
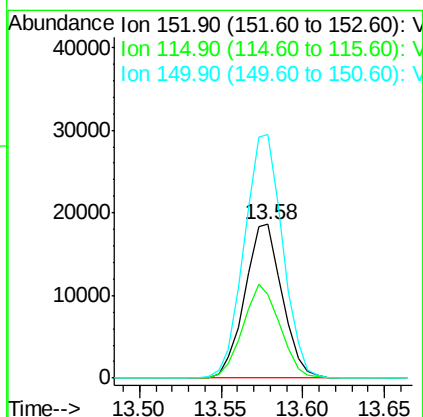
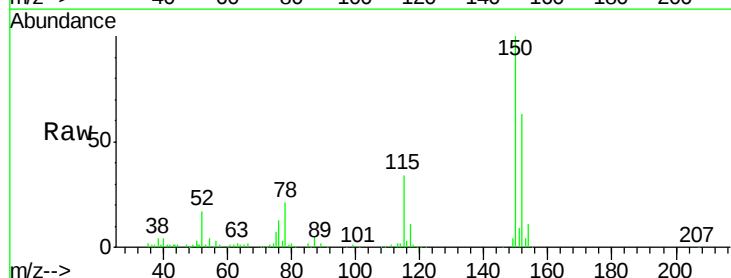
Instrument :
MSVOA_W
ClientSampleId :
EPE-108-4(90-92)

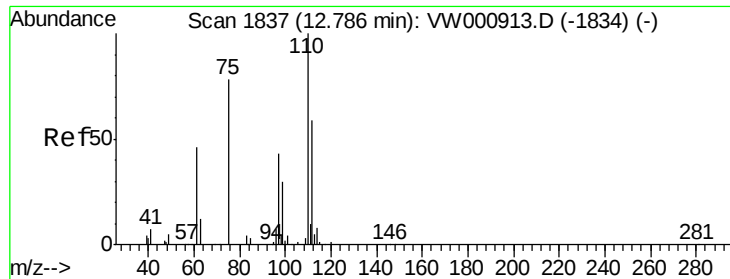
Tgt Ion:117 Resp: 164434
Ion Ratio Lower Upper
117 100
82 53.1 41.8 62.6
119 32.8 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.58 min Scan# 1967
Delta R.T. 0.00 min
Lab File: VW000970.D
Acq: 25 Jan 2018 01:13

Tgt Ion:152 Resp: 29788
Ion Ratio Lower Upper
152 100
115 60.1 28.5 85.5
150 162.2 0.0 342.0





#76

1,2,3-Trichloropropane

Concen: 66.36 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. -0.15 min

Lab File: VW000970.D

Acq: 25 Jan 2018 01:13

Instrument :

MSVOA_W

ClientSampleId :

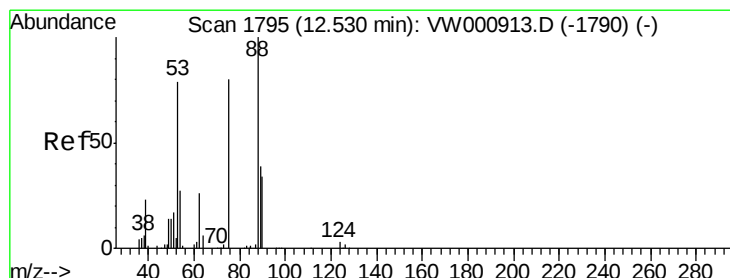
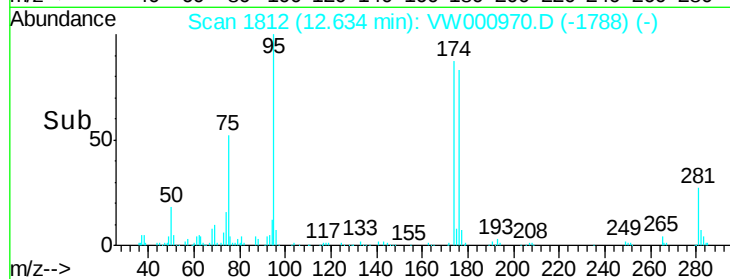
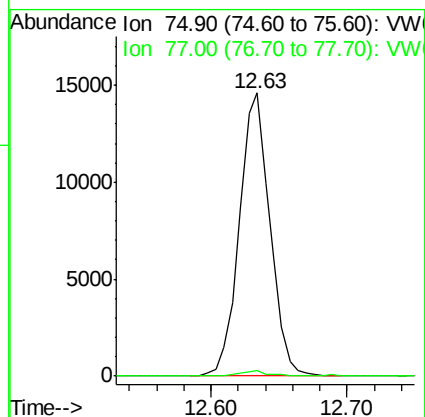
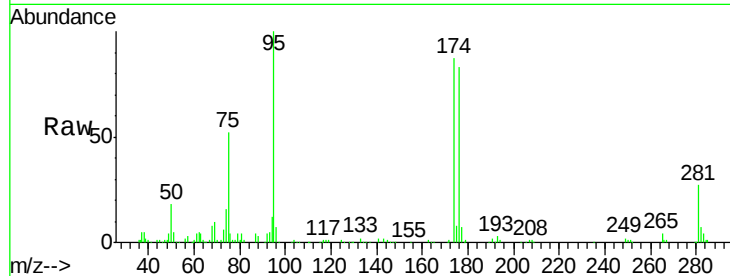
EPE-108-4(90-92)

Tgt Ion: 75 Resp: 22874

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 155.92 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. 0.10 min

Lab File: VW000970.D

Acq: 25 Jan 2018 01:13

Tgt Ion: 75 Resp: 22874

Ion Ratio Lower Upper

75 100

53 0.3 77.5 116.3#

89 0.4 38.2 57.4#

