

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW012418\
 Data File : VW000960.D
 Acq On : 24 Jan 2018 20:42
 Operator : JC/SY
 Sample : J1241-04
 Misc : 4.78G/5.0ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EPE-106-4A(90-92)

Quant Time: Jan 25 04:44:27 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	3812	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	5157	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	4654	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	1682	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	2304	63.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	126.12%	
35) Dibromofluoromethane	7.88	113	404	12.79	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	25.58%	
50) Toluene-d8	10.33	98	5925	47.57	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.14%	
62) 4-Bromofluorobenzene	12.63	95	1674	36.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	73.82%	

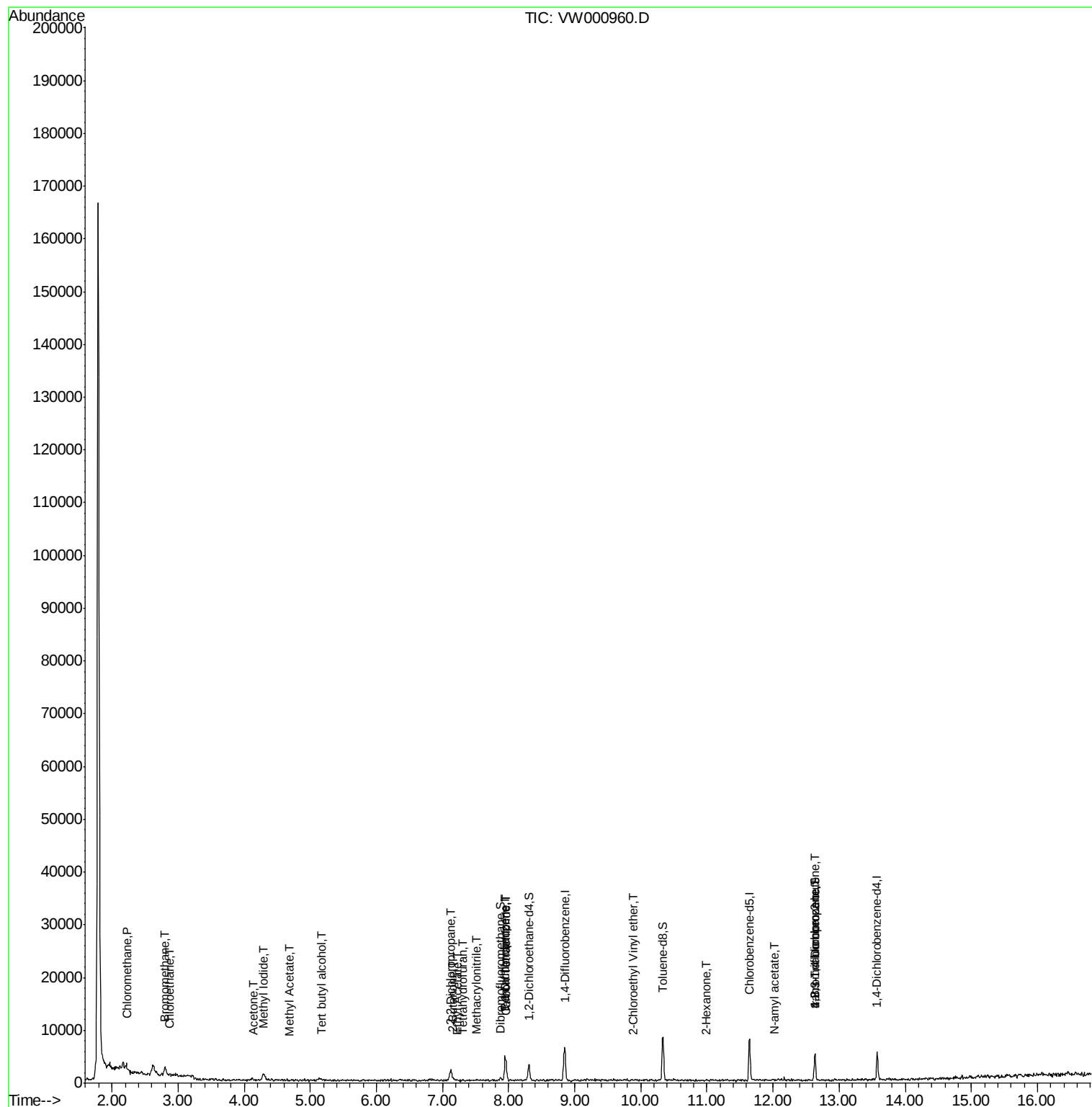
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.22	50	935	28.78	ug/l #	84
5) Bromomethane	2.81	94	1342	75.57	ug/l #	83
6) Chloroethane	2.88	64	110	6.55	ug/l #	42
10) Methyl Iodide	4.29	142	2231	57.72	ug/l #	74
11) Tert butyl alcohol	5.17	59	20	5.05	ug/l #	76
16) Acetone	4.14	43	374	39.66	ug/l #	44
18) Methyl Acetate	4.68	43	48	1.79	ug/l #	49
20) Methylene Chloride	4.91	84	41	Below Cal	#	51
25) 2-Butanone	7.16	43	20	1.24	ug/l #	48
26) 2,2-Dichloropropane	7.13	77	90	1.54	ug/l #	52
29) Tetrahydrofuran	7.30	42	19	2.14	ug/l #	31
36) 1,1-Dichloropropene	7.94	75	164	3.33	ug/l #	40
37) Ethyl Acetate	7.23	43	44	1.58	ug/l #	67
38) Carbon Tetrachloride	7.96	117	338	6.23	ug/l #	12
41) Methacrylonitrile	7.51	41	28	1.80	ug/l #	23
58) 2-Chloroethyl Vinyl ether	9.88	63	26	26.95	ug/l #	45
59) 2-Hexanone	10.99	43	103	18.74	ug/l #	24
74) N-amyl acetate	12.02	43	27	1.02	ug/l #	41
76) 1,2,3-Trichloropropane	12.63	75	1121	57.60	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	1121	135.92	ug/l #	10

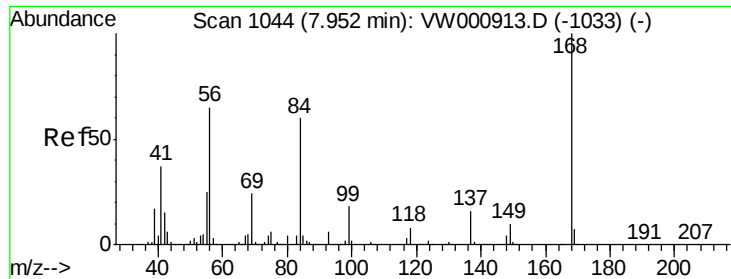
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW000960.D

Acq: 24 Jan 2018 20:42

Instrument :

MSVOA_W

ClientSampleId :

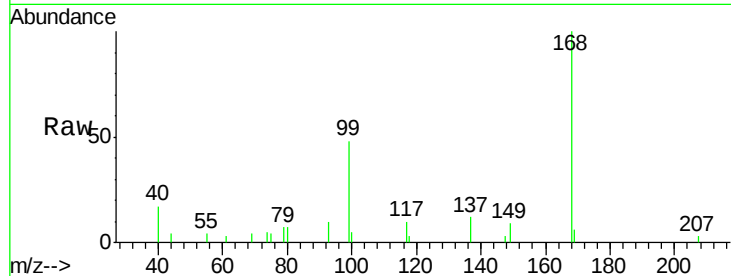
EPE-106-4A(90-92)

Tot Ion:168 Resp: 3812

Ion Ratio Lower Upper

168 100

99 48.2 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

1500

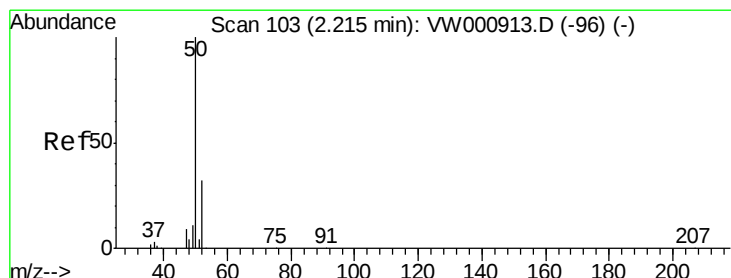
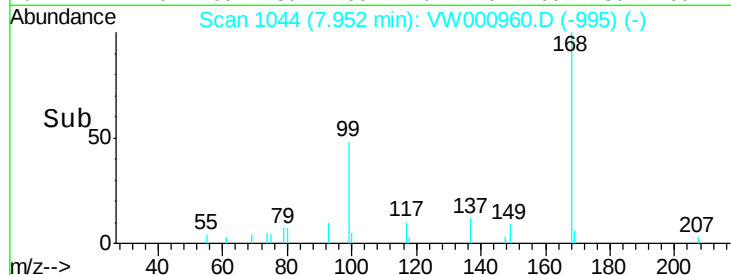
1000

500

0

7.90 7.95 8.00

Time-->



#3

Chloromethane

Concen: 28.78 ug/l

RT: 2.22 min Scan# 104

Delta R.T. 0.01 min

Lab File: VW000960.D

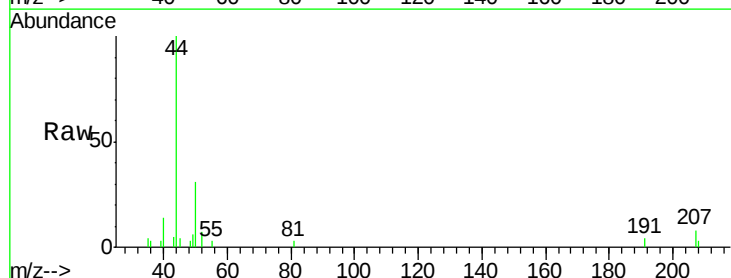
Acq: 24 Jan 2018 20:42

Tgt Ion: 50 Resp: 935

Ion Ratio Lower Upper

50 100

52 23.1 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.22

600

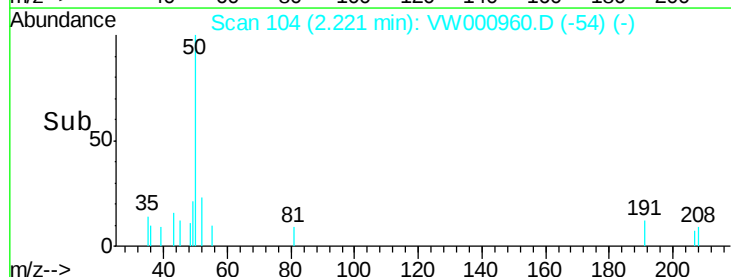
400

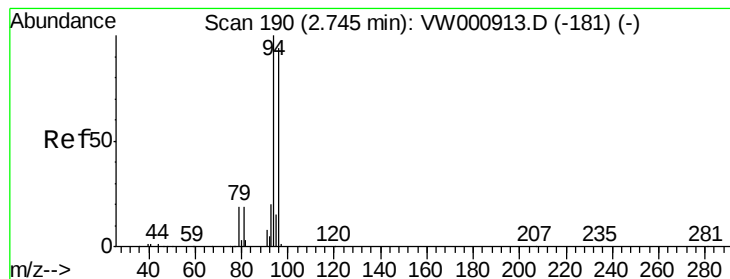
200

0

2.20 2.22 2.25

Time-->





#5

Bromomethane

Concen: 75.57 ug/l

RT: 2.81 min Scan# 200

Delta R.T. 0.06 min

Lab File: VW000960.D

Acq: 24 Jan 2018 20:42

Instrument :

MSVOA_W

ClientSampleId :

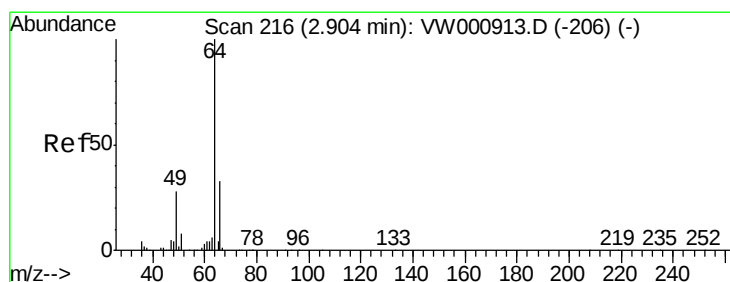
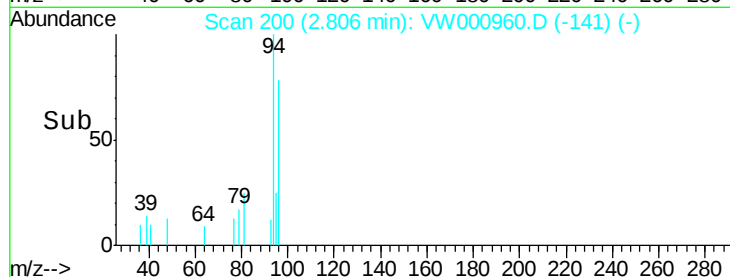
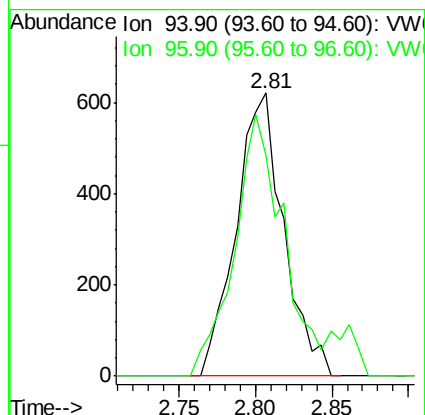
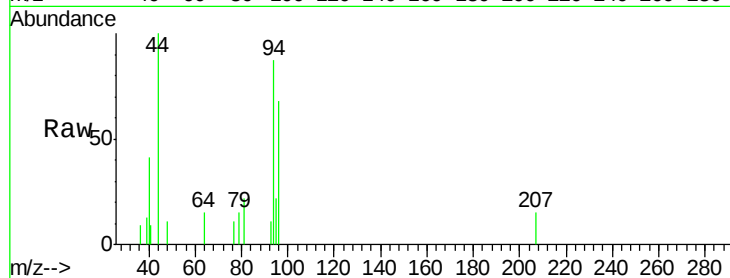
EPE-106-4A(90-92)

Tot Ion: 94 Resp: 1342

Ion Ratio Lower Upper

94 100

96 77.8 75.5 113.3



#6

Chloroethane

Concen: 6.55 ug/l

RT: 2.88 min Scan# 212

Delta R.T. -0.02 min

Lab File: VW000960.D

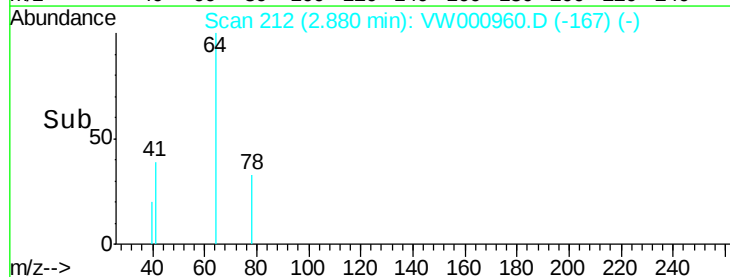
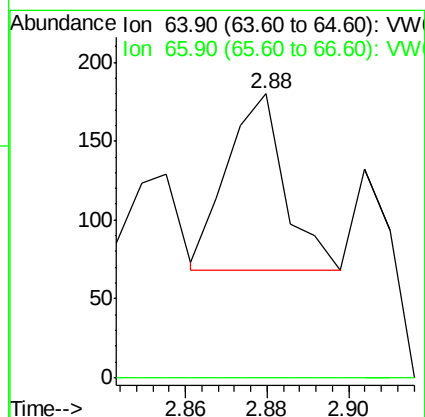
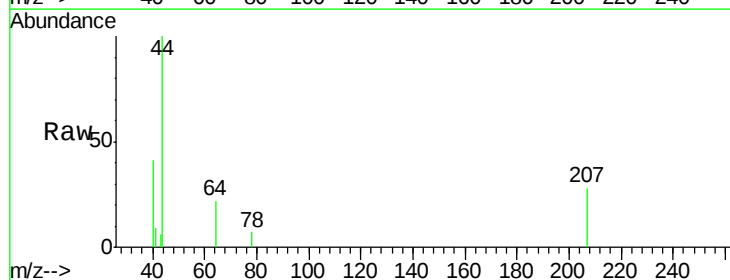
Acq: 24 Jan 2018 20:42

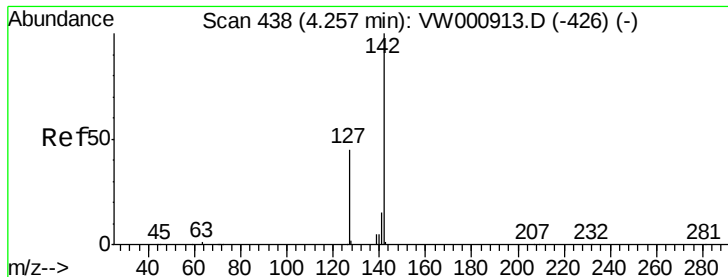
Tgt Ion: 64 Resp: 110

Ion Ratio Lower Upper

64 100

66 0.0 26.1 39.1#

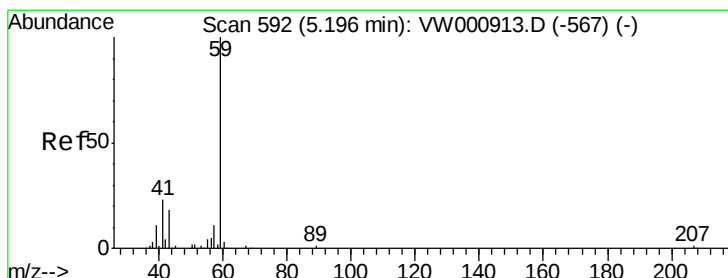
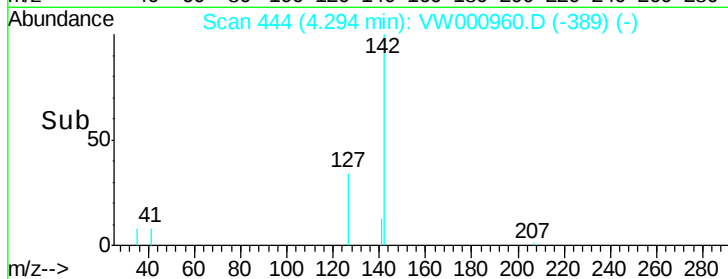
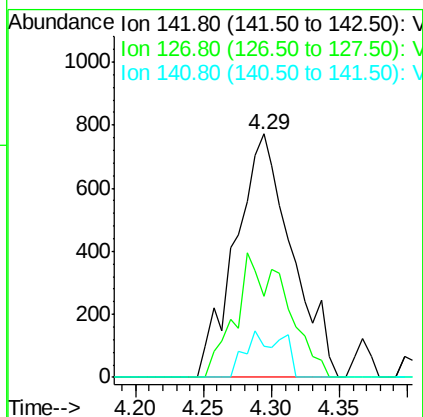
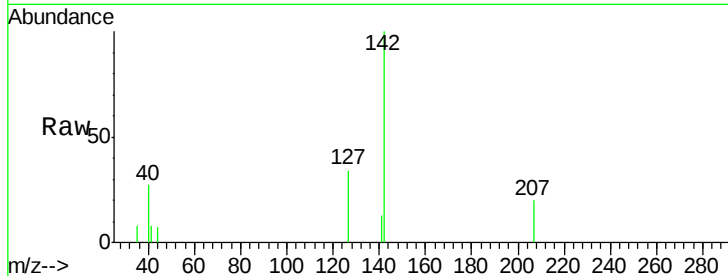




#10
Methvl Iodide
Concen: 57.72 ug/l
RT: 4.29 min Scan# 444
Delta R.T. 0.04 min
Lab File: VW000960.D
Acq: 24 Jan 2018 20:42

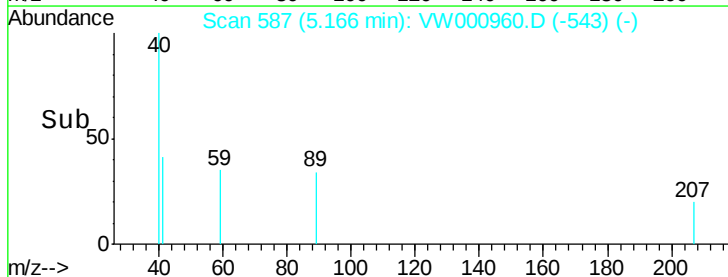
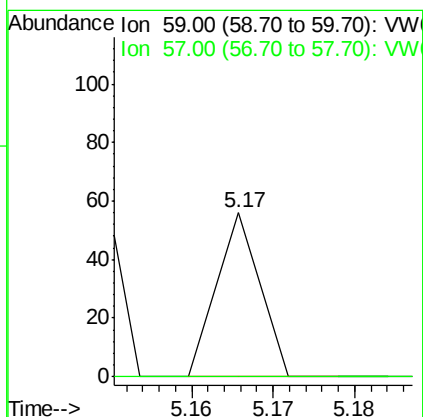
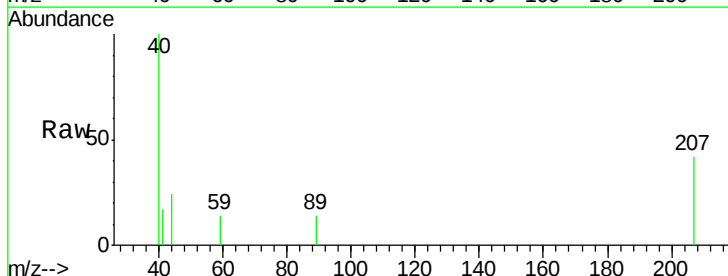
Instrument :
MSVOA_W
ClientSampleId :
EPE-106-4A(90-92)

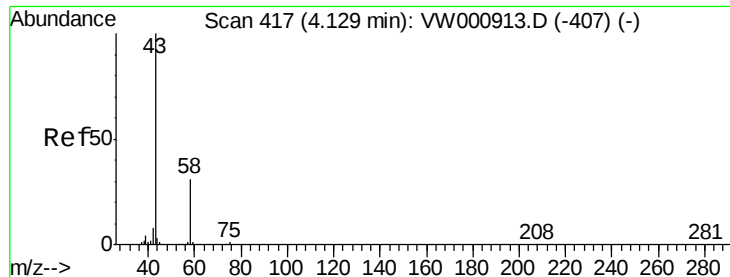
Tot Ion:142 Resp: 2231
Ion Ratio Lower Upper
142 100
127 25.1 35.5 53.3#
141 8.1 11.7 17.5#



#11
Tert butyl alcohol
Concen: 5.05 ug/l
RT: 5.17 min Scan# 587
Delta R.T. -0.03 min
Lab File: VW000960.D
Acq: 24 Jan 2018 20:42

Tgt Ion: 59 Resp: 20
Ion Ratio Lower Upper
59 100
57 0.0 7.0 10.6#





#16

Acetone

Concen: 39.66 ug/l

RT: 4.14 min Scan# 419

Delta R.T. 0.01 min

Lab File: VW000960.D

Acq: 24 Jan 2018 20:42

Instrument :

MSVOA_W

ClientSampleId :

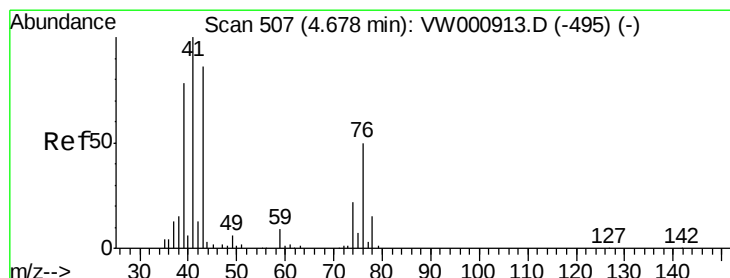
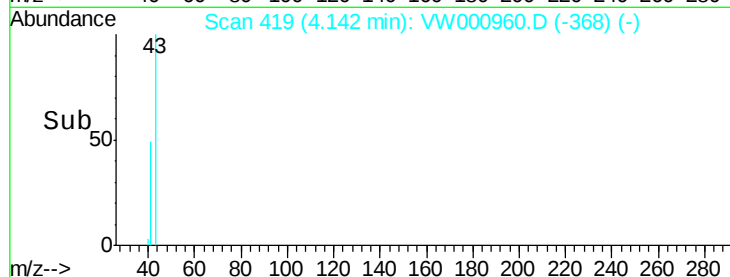
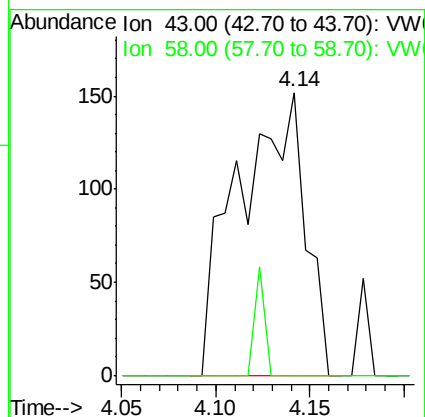
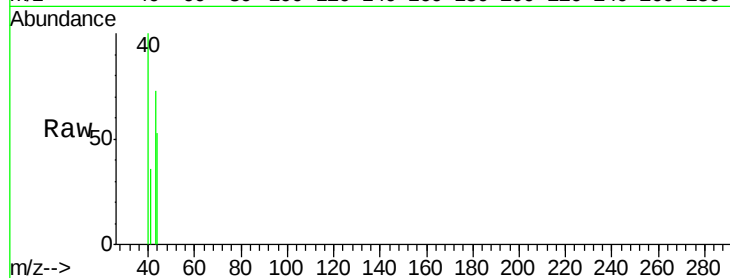
EPE-106-4A(90-92)

Tot Ion: 43 Resp: 374

Ion Ratio Lower Upper

43 100

58 0.0 24.9 37.3#



#18

Methyl Acetate

Concen: 1.79 ug/l

RT: 4.68 min Scan# 507

Delta R.T. 0.00 min

Lab File: VW000960.D

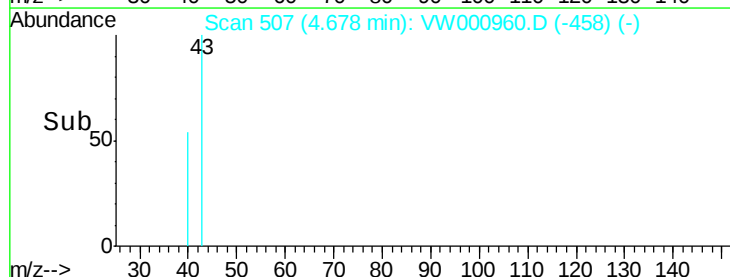
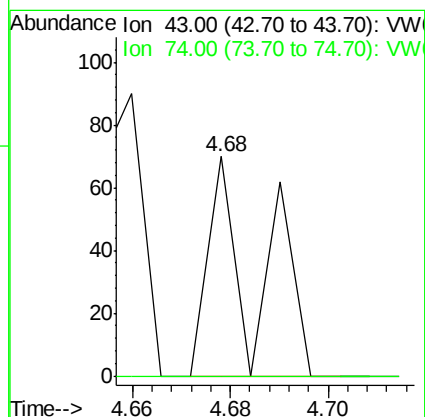
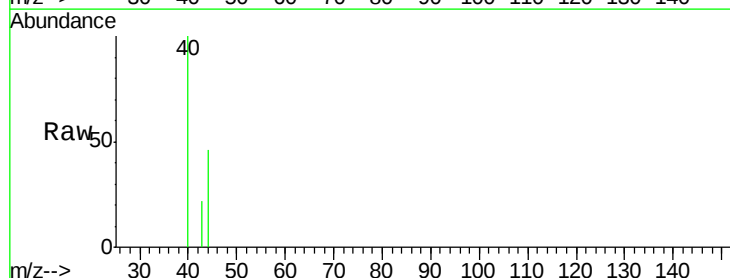
Acq: 24 Jan 2018 20:42

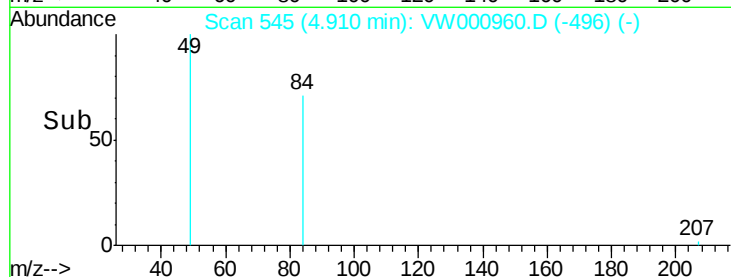
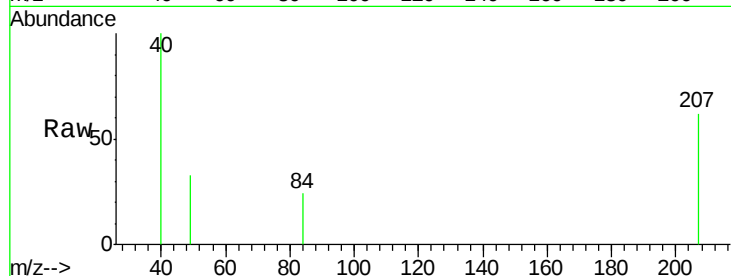
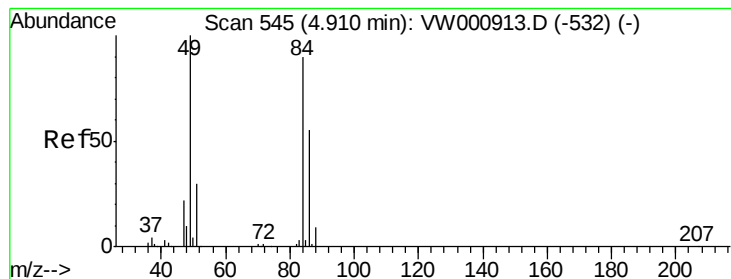
Tgt Ion: 43 Resp: 48

Ion Ratio Lower Upper

43 100

74 0.0 20.5 30.7#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 545

Delta R.T. 0.00 min

Lab File: VW000960.D

Acq: 24 Jan 2018 20:42

Instrument :

MSVOA_W

ClientSampleId :

EPE-106-4A(90-92)

Tot Ion: 84 Resp: 41

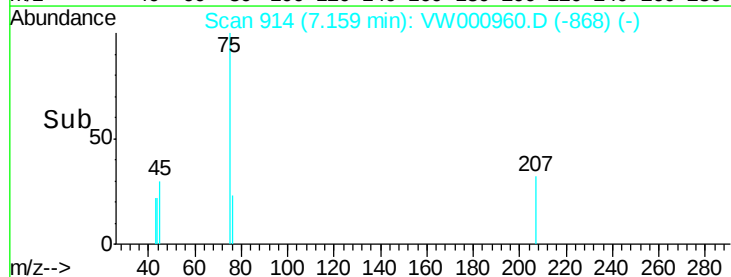
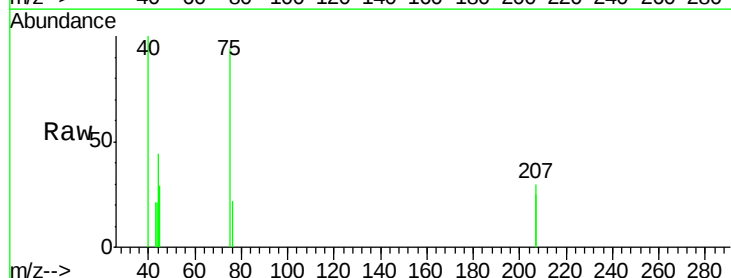
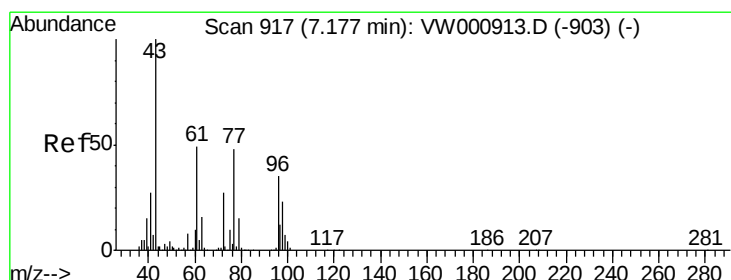
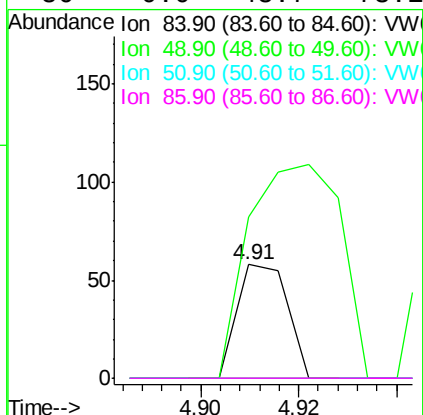
Ion Ratio Lower Upper

84 100

49 141.4 89.0 133.4#

51 0.0 26.7 40.1#

86 0.0 48.7 73.1#



#25

2-Butanone

Concen: 1.24 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.02 min

Lab File: VW000960.D

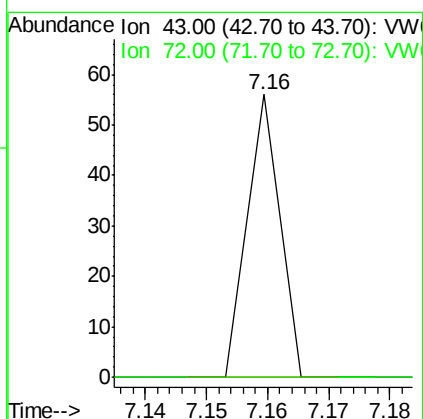
Acq: 24 Jan 2018 20:42

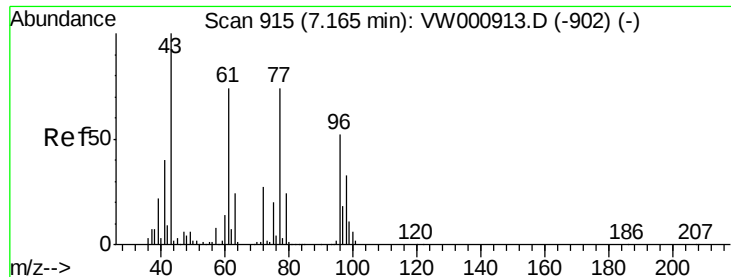
Tgt Ion: 43 Resp: 20

Ion Ratio Lower Upper

43 100

72 0.0 21.5 32.3#





#26

2,2-Dichloropropane

Concen: 1.54 ug/l

RT: 7.13 min Scan# 909

Delta R.T. -0.04 min

Lab File: VW000960.D

Acq: 24 Jan 2018 20:42

Instrument :

MSVOA_W

ClientSampleId :

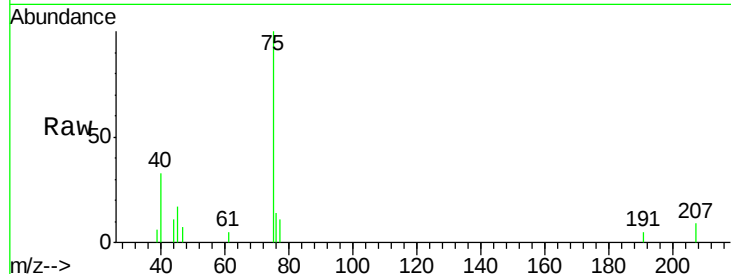
EPE-106-4A(90-92)

Tot Ion: 77 Resp: 90

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

7.13

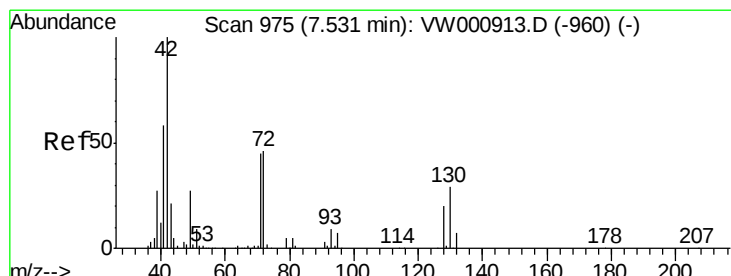
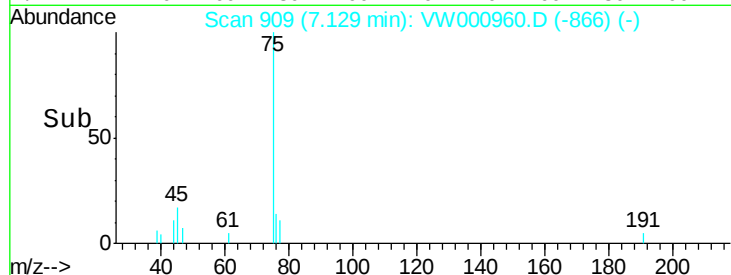
150

100

50

0

Time-->



#29

Tetrahydrofuran

Concen: 2.14 ug/l

RT: 7.30 min Scan# 937

Delta R.T. -0.23 min

Lab File: VW000960.D

Acq: 24 Jan 2018 20:42

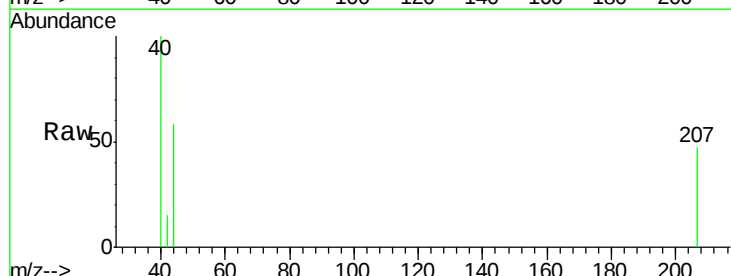
Tgt Ion: 42 Resp: 19

Ion Ratio Lower Upper

42 100

72 0.0 37.1 55.7#

71 0.0 34.9 52.3#



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

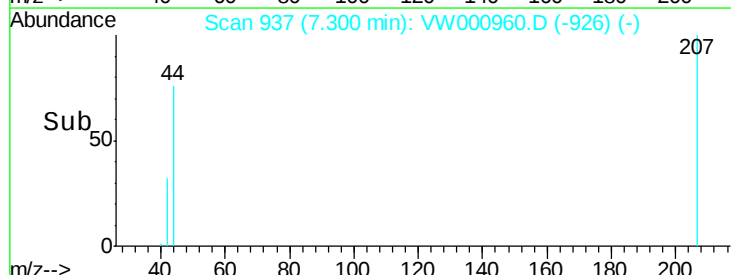
60

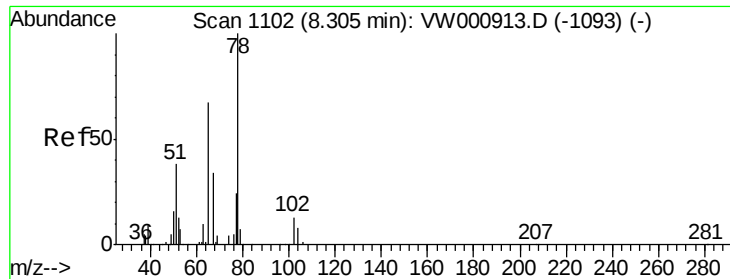
40

20

0

Time-->

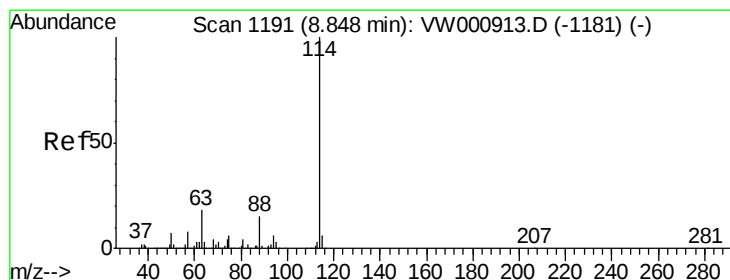
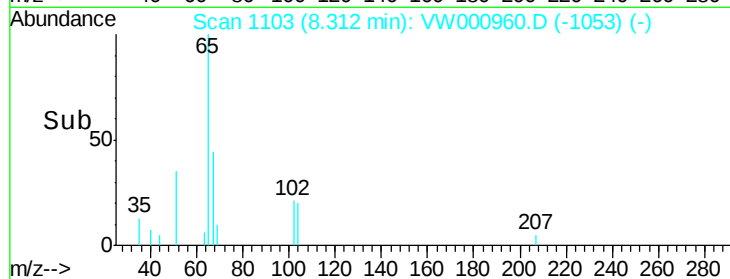
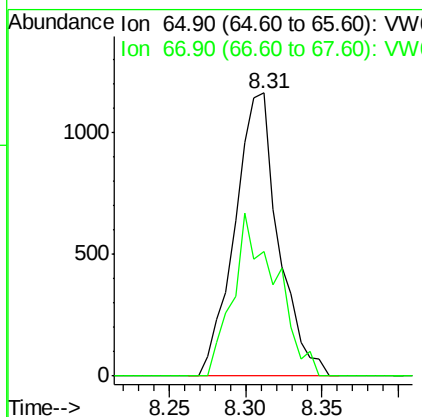
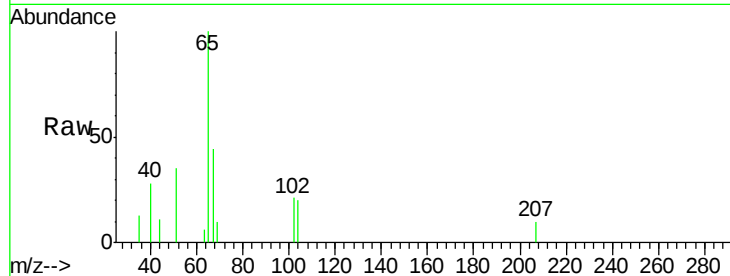




#33
 1,2-Dichloroethane-d4
 Concen: 63.06 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.01 min
 Lab File: VW000960.D
 Acq: 24 Jan 2018 20:42

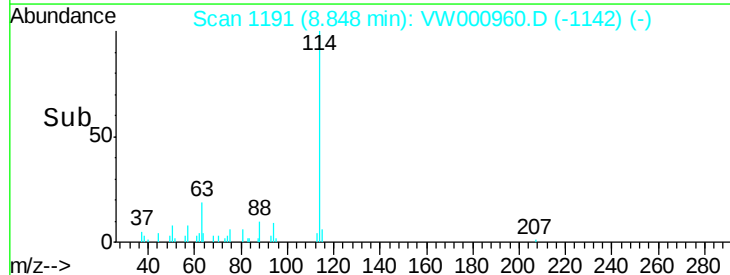
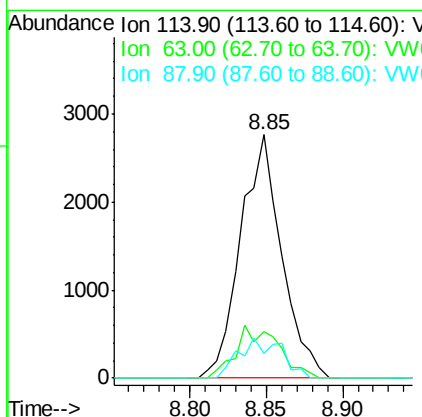
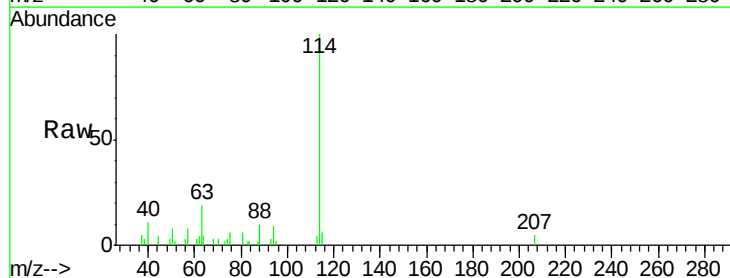
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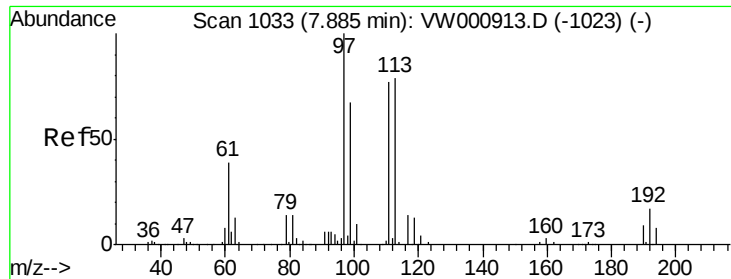
Tot Ion: 65 Resp: 2304
 Ion Ratio Lower Upper
 65 100
 67 56.7 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW000960.D
 Acq: 24 Jan 2018 20:42

Tgt Ion: 114 Resp: 5157
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 36.8
 88 10.3 0.0 29.8

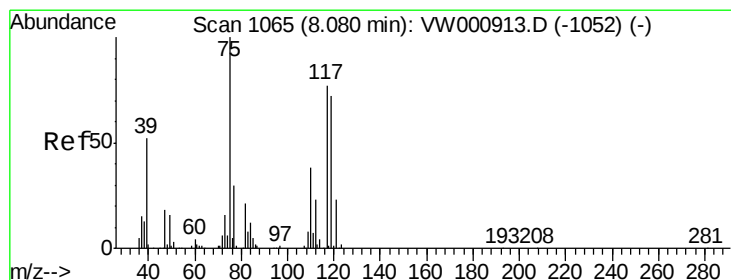
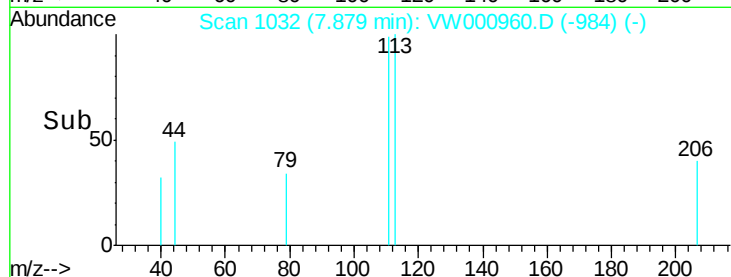
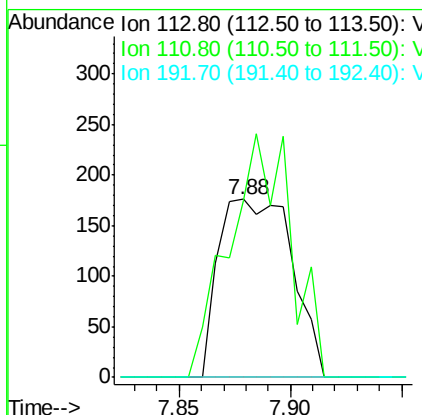
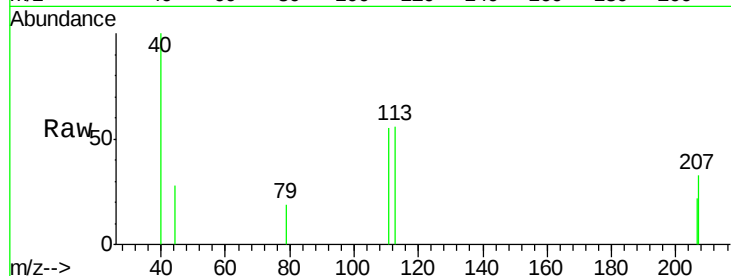




#35
 Dibromofluoromethane
 Concen: 12.79 ug/l
 RT: 7.88 min Scan# 1032
 Delta R.T. -0.01 min
 Lab File: VW000960.D
 Acq: 24 Jan 2018 20:42

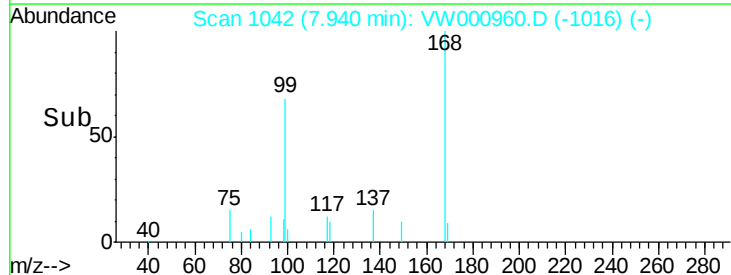
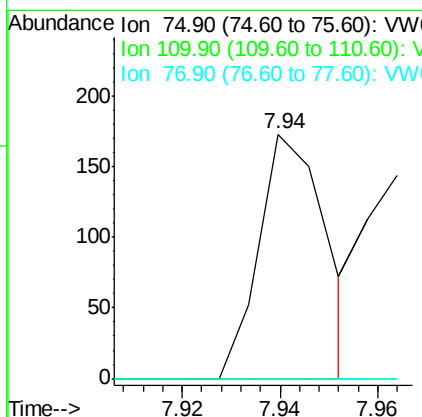
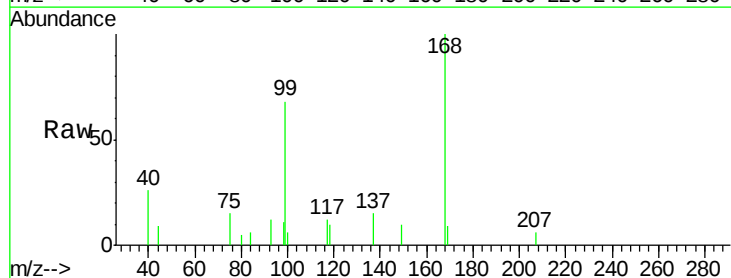
Instrument :
 MSVOA_W
 ClientSampleId :
 EPE-106-4A(90-92)

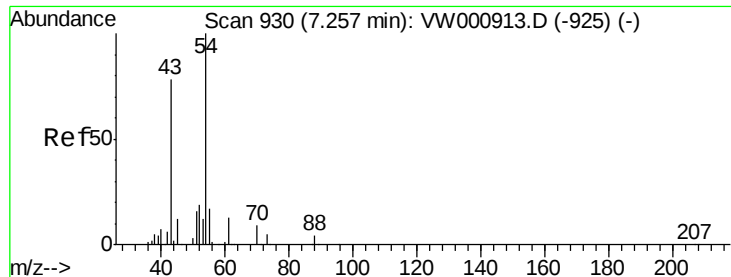
Tot Ion:113 Resp: 404
 Ion Ratio Lower Upper
 113 100
 111 115.6 80.4 120.6
 192 0.0 17.0 25.4#



#36
 1,1-Dichloropropene
 Concen: 3.33 ug/l
 RT: 7.94 min Scan# 1042
 Delta R.T. -0.14 min
 Lab File: VW000960.D
 Acq: 24 Jan 2018 20:42

Tgt Ion: 75 Resp: 164
 Ion Ratio Lower Upper
 75 100
 110 0.0 18.6 56.0#
 77 0.0 24.6 36.8#





#37

Ethyl Acetate

Concen: 1.58 ug/l

RT: 7.23 min Scan# 925

Delta R.T. -0.03 min

Lab File: VW000960.D

Acq: 24 Jan 2018 20:42

Instrument :

MSVOA_W

ClientSampleId :

EPE-106-4A(90-92)

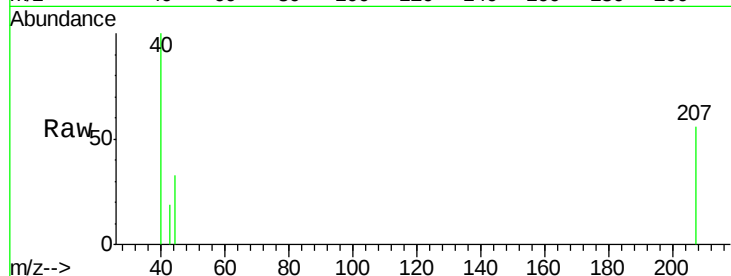
Tot Ion: 43 Resp: 44

Ion Ratio Lower Upper

43 100

61 0.0 12.1 18.1#

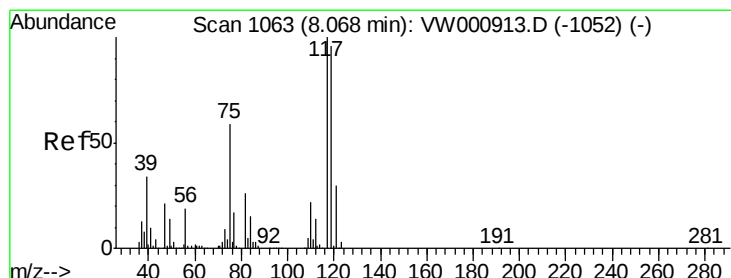
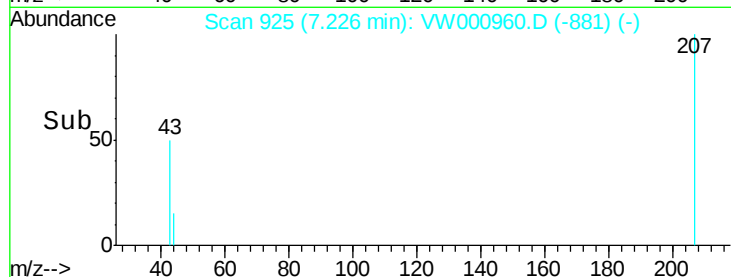
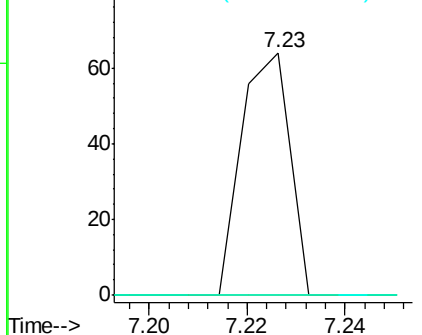
70 0.0 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 6.23 ug/l

RT: 7.96 min Scan# 1046

Delta R.T. -0.10 min

Lab File: VW000960.D

Acq: 24 Jan 2018 20:42

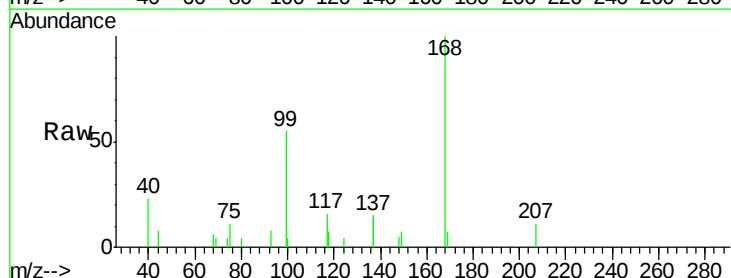
Tgt Ion: 117 Resp: 338

Ion Ratio Lower Upper

117 100

119 0.0 76.5 114.7#

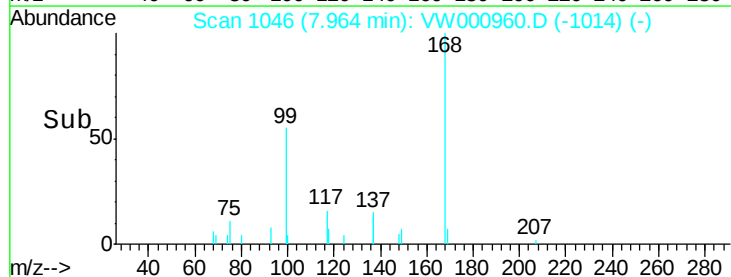
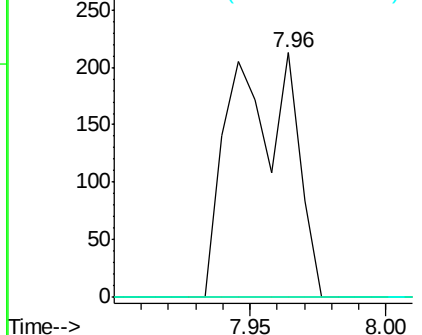
121 0.0 24.3 36.5#

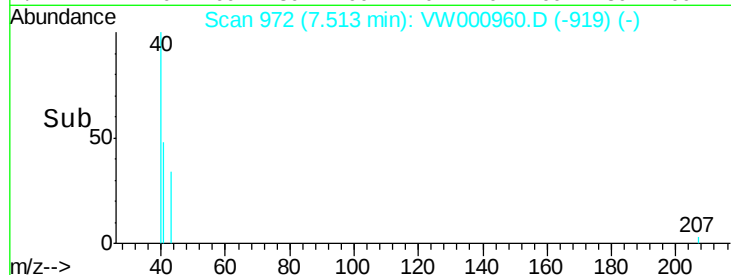
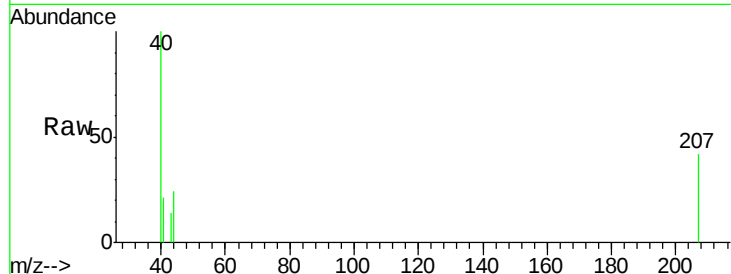
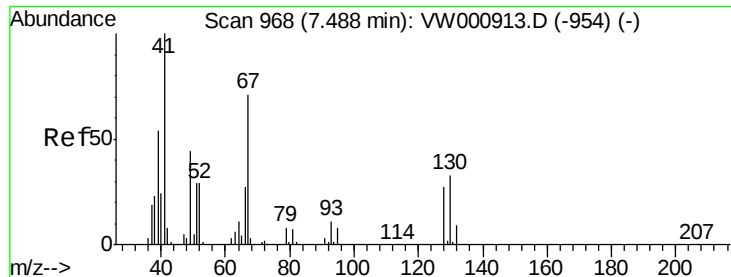


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

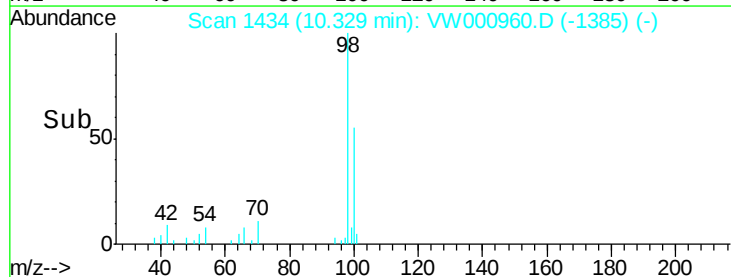
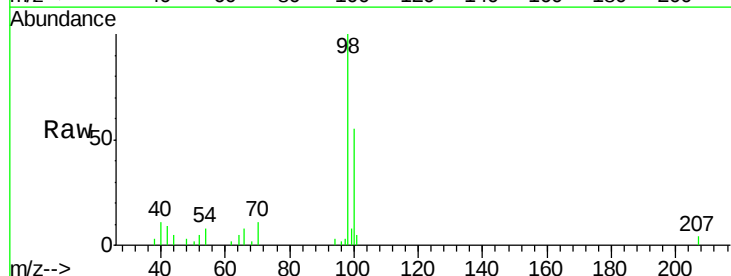
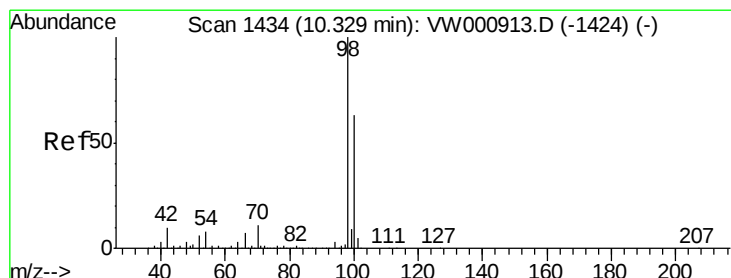
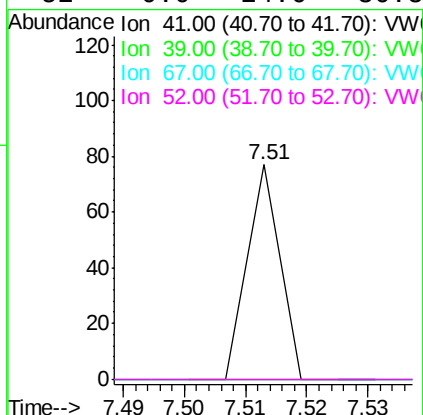




#41
Methacrylonitrile
Concen: 1.80 ug/l
RT: 7.51 min Scan# 972
Delta R.T. 0.02 min
Lab File: VW000960.D
Acq: 24 Jan 2018 20:42

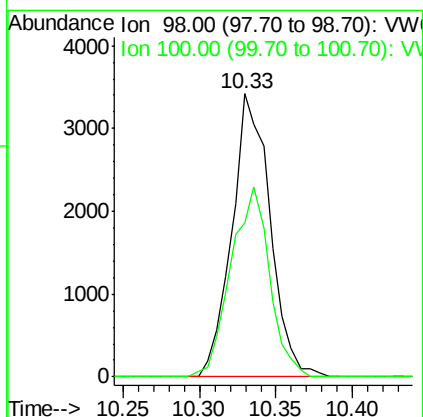
Instrument :
MSVOA_W
ClientSampleId :
EPE-106-4A(90-92)

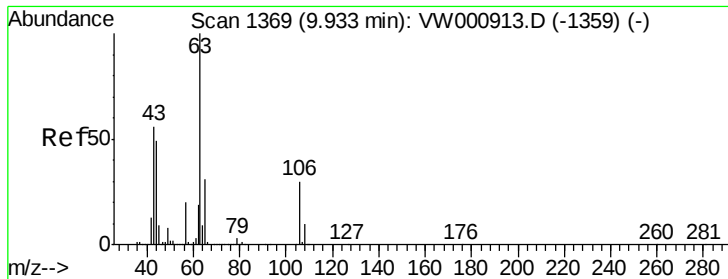
Tot Ion:	41	Resp:	28
Ion	Ratio	Lower	Upper
41	100		
39	0.0	43.4	65.0#
67	0.0	59.0	88.4#
52	0.0	24.6	36.8#



#50
Toluene-d8
Concen: 47.57 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW000960.D
Acq: 24 Jan 2018 20:42

Tgt Ion:	98	Resp:	5925
Ion	Ratio	Lower	Upper
98	100		
100	67.6	50.8	76.2

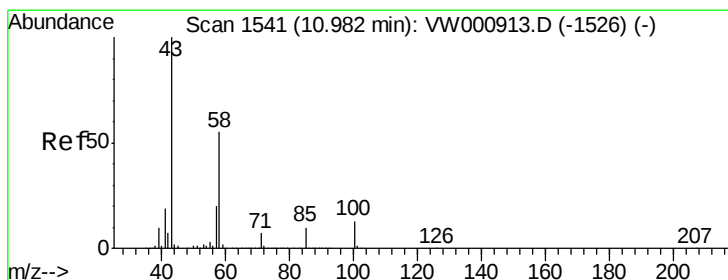
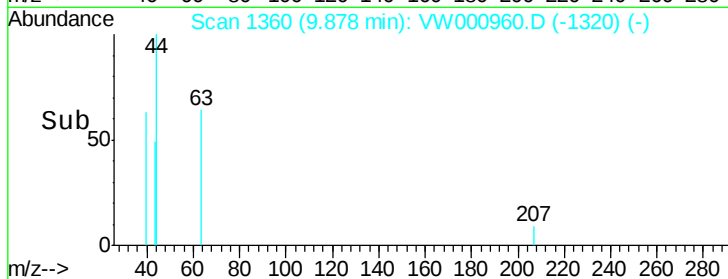
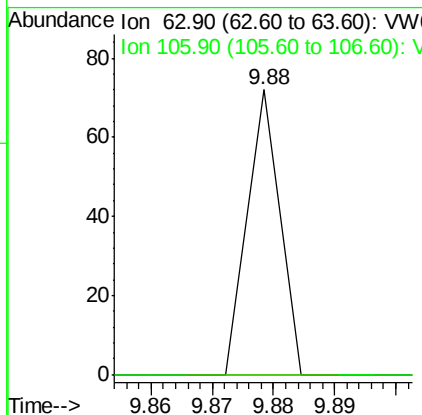
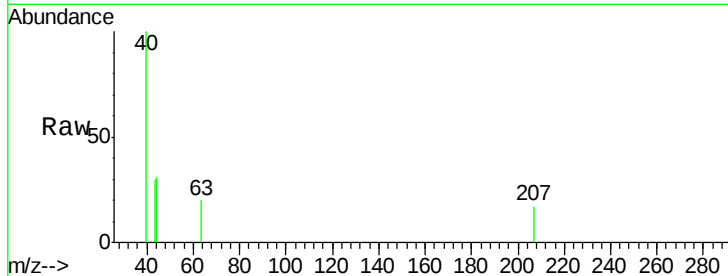




#58
 2-Chloroethyl Vinyl ether
 Concen: 26.95 ug/l
 RT: 9.88 min Scan# 1360
 Delta R.T. -0.05 min
 Lab File: VW000960.D
 Acq: 24 Jan 2018 20:42

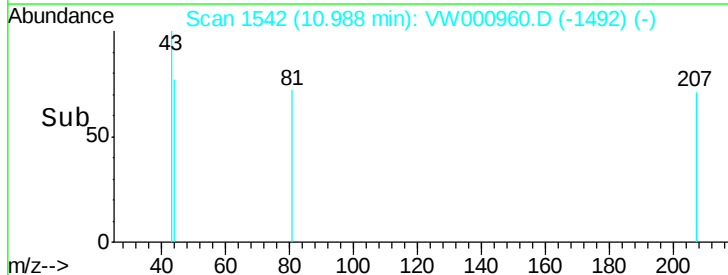
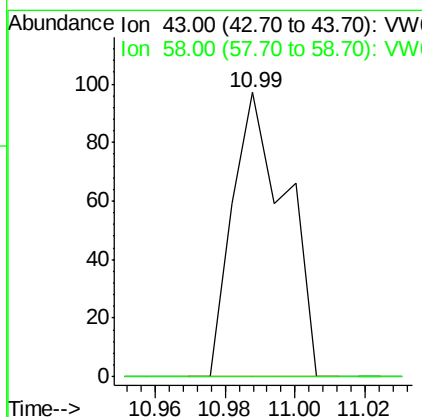
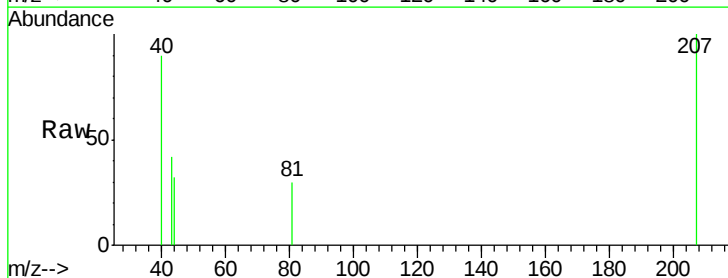
Instrument :
 MSVOA_W
 ClientSampleId :
 EPE-106-4A(90-92)

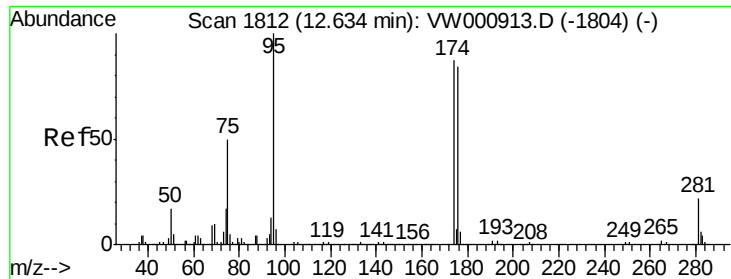
Tot Ion: 63 Resp: 26
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.8 35.8#



#59
 2-Hexanone
 Concen: 18.74 ug/l
 RT: 10.99 min Scan# 1542
 Delta R.T. 0.01 min
 Lab File: VW000960.D
 Acq: 24 Jan 2018 20:42

Tgt Ion: 43 Resp: 103
 Ion Ratio Lower Upper
 43 100
 58 0.0 27.4 82.2#

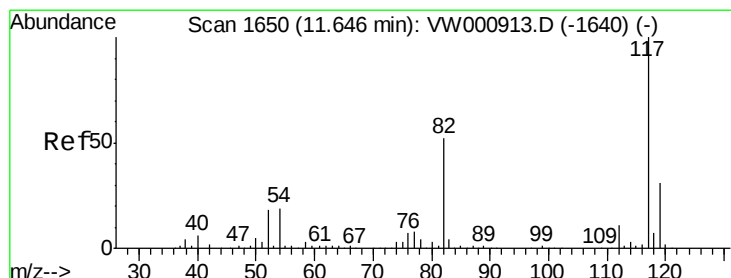
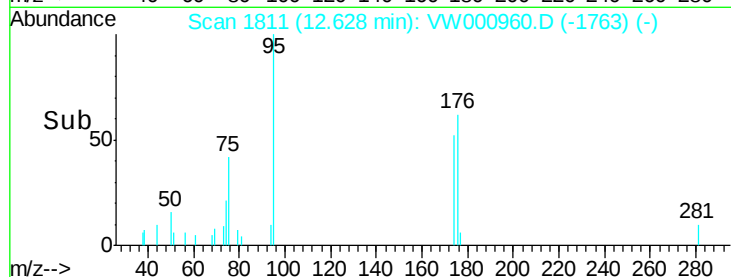
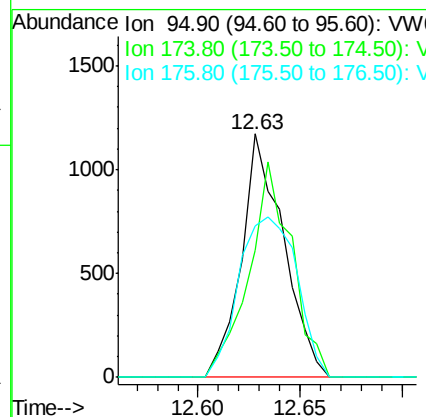
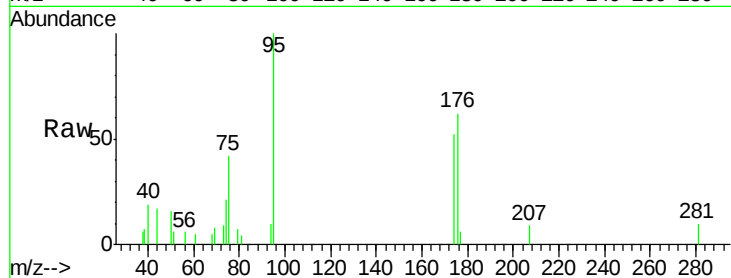




#62
4-Bromofluorobenzene
Concen: 36.91 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. -0.01 min
Lab File: VW000960.D
Acq: 24 Jan 2018 20:42

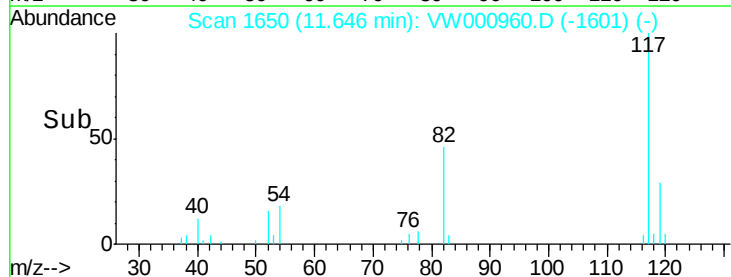
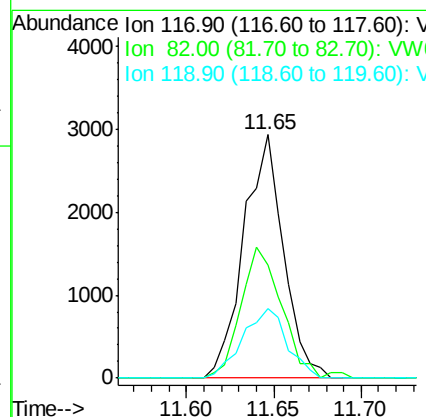
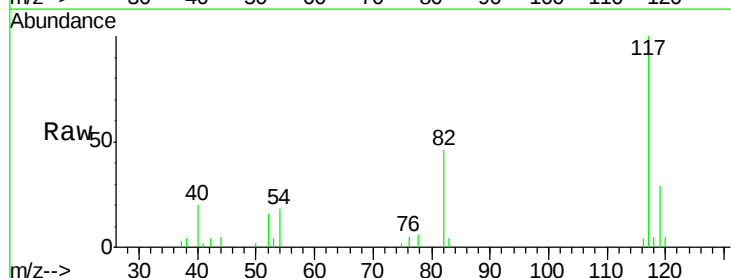
Instrument :
MSVOA_W
ClientSampleId :
EPE-106-4A(90-92)

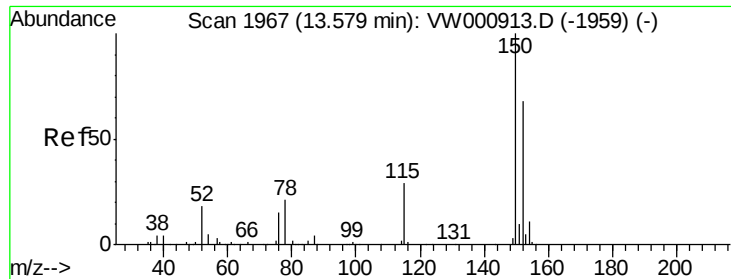
Tot Ion: 95 Resp: 1674
Ion Ratio Lower Upper
95 100
174 90.1 0.0 176.8
176 90.9 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VW000960.D
Acq: 24 Jan 2018 20:42

Tgt Ion: 117 Resp: 4654
Ion Ratio Lower Upper
117 100
82 46.4 41.8 62.6
119 28.6 25.2 37.8



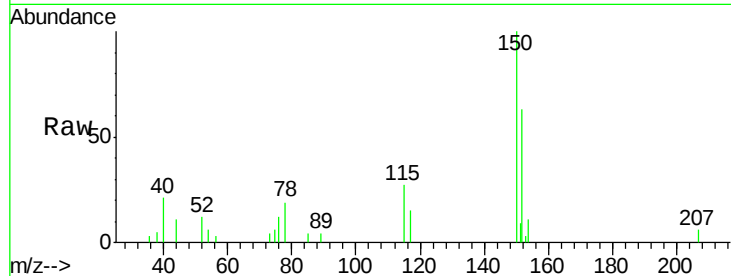


#72

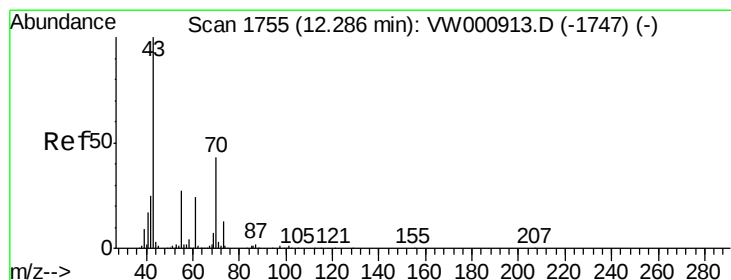
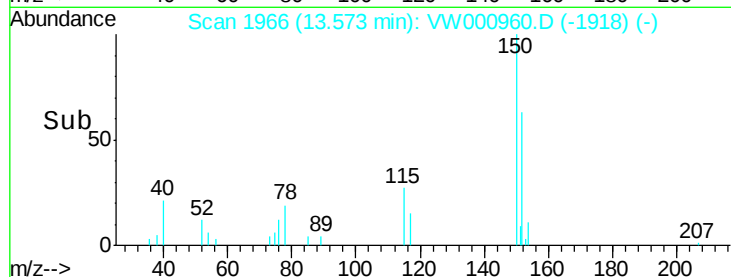
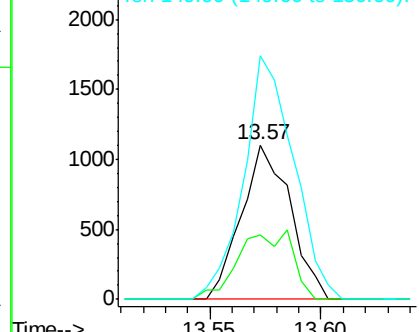
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1966
Delta R.T. -0.01 min
Lab File: VW000960.D
Acq: 24 Jan 2018 20:42

Instrument :
MSVOA_W
ClientSampleId :
EPE-106-4A(90-92)

Tot Ion:152 Resp: 1682
Ion Ratio Lower Upper
152 100
115 49.0 28.5 85.5
150 161.8 0.0 342.0



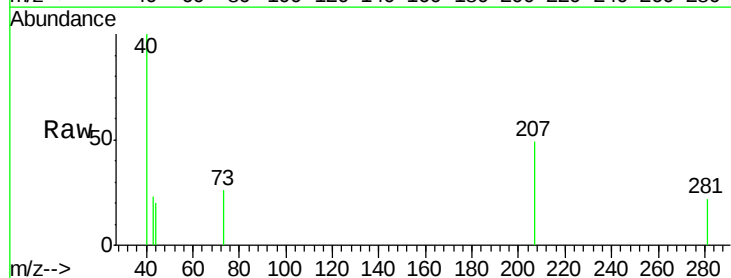
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



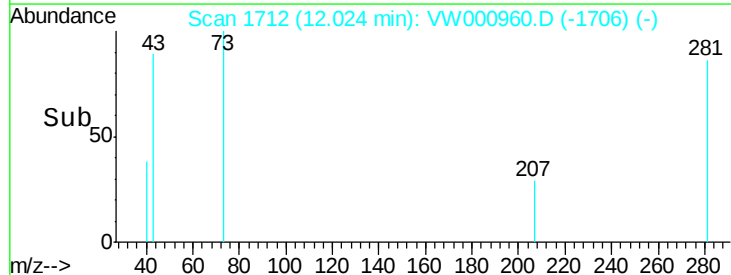
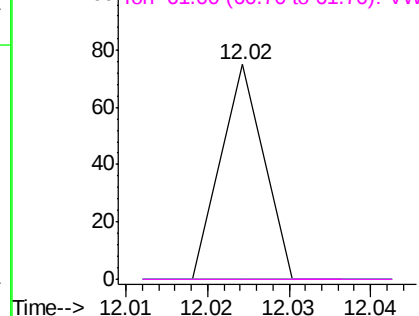
#74

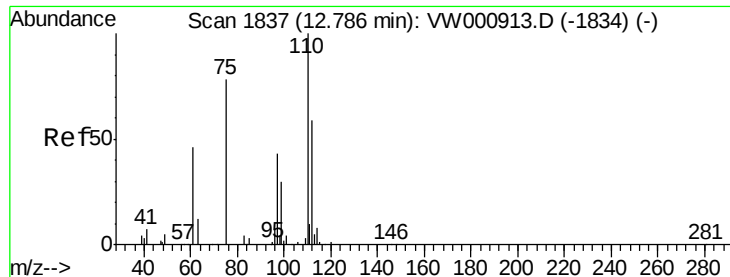
N-ethyl acetate
Concen: 1.02 ug/l
RT: 12.02 min Scan# 1712
Delta R.T. -0.26 min
Lab File: VW000960.D
Acq: 24 Jan 2018 20:42

Tgt Ion: 43 Resp: 27
Ion Ratio Lower Upper
43 100
70 0.0 35.8 53.8#
55 0.0 21.4 32.2#
61 0.0 19.5 29.3#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 70.00 (69.70 to 70.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 61.00 (60.70 to 61.70): VW





#76

1,2,3-Trichloropropane

Concen: 57.60 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. -0.15 min

Lab File: VW000960.D

Acq: 24 Jan 2018 20:42

Instrument :

MSVOA_W

ClientSampleId :

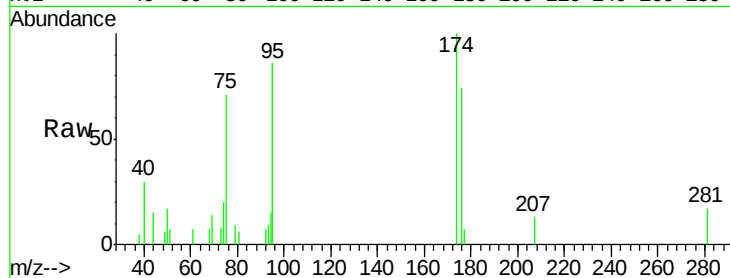
EPE-106-4A(90-92)

Tot Ion: 75 Resp: 1121

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

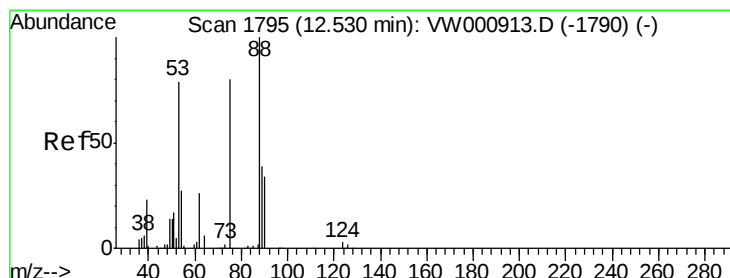
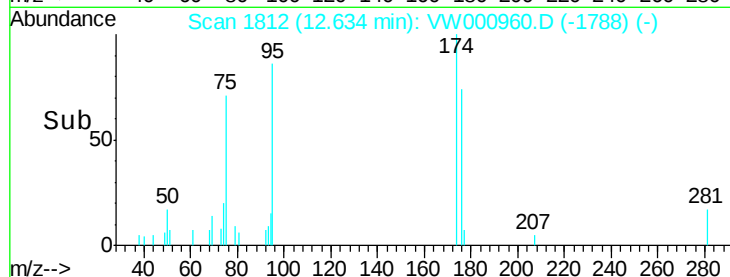
600

400

200

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 135.92 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. 0.10 min

Lab File: VW000960.D

Acq: 24 Jan 2018 20:42

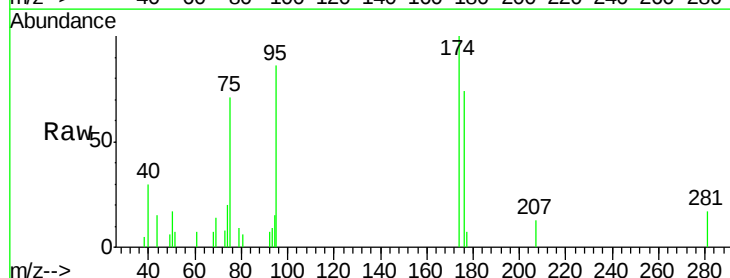
Tgt Ion: 75 Resp: 1121

Ion Ratio Lower Upper

75 100

53 0.0 77.5 116.3#

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

1000

800

600

400

200

0

Time-->

