

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012418\
 Data File : VW000949.D
 Acq On : 24 Jan 2018 16:11
 Operator : JC/SY
 Sample : J1022-08
 Misc : 5.57G/5.0ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SU-04-012218

Quant Time: Jan 25 04:42:09 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	242096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	364948	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	320112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	156491	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	120801	52.06	ug/l	0.00
Spiked Amount			Recovery	=	104.12%	
35) Dibromofluoromethane	7.88	113	100092	44.77	ug/l	0.00
Spiked Amount			Recovery	=	89.54%	
50) Toluene-d8	10.33	98	419943	47.65	ug/l	0.00
Spiked Amount			Recovery	=	95.30%	
62) 4-Bromofluorobenzene	12.63	95	137937	42.97	ug/l	0.00
Spiked Amount			Recovery	=	85.94%	

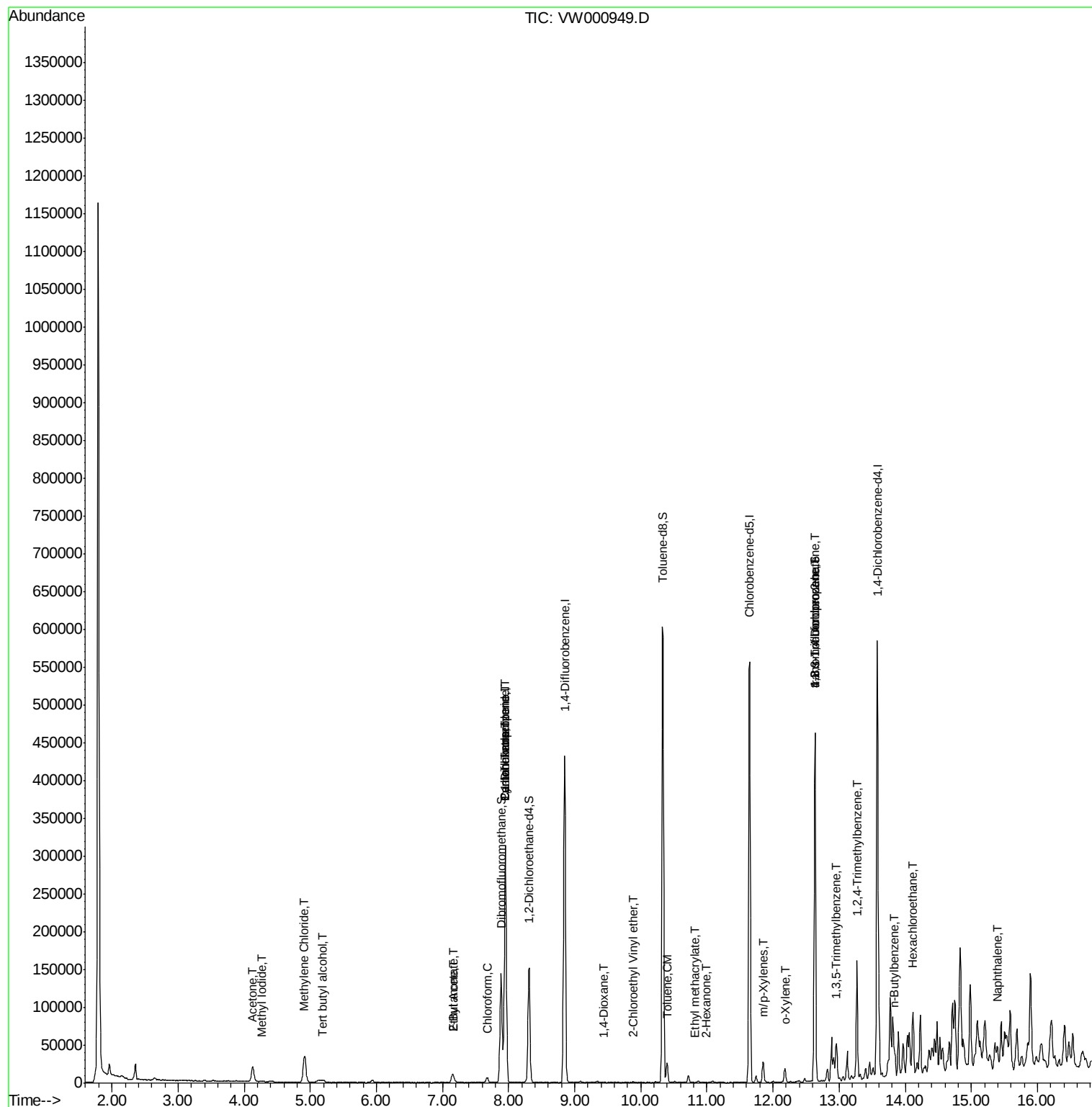
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.27	142	995	5.23	ug/l	92
11) Tert butyl alcohol	5.18	59	4118	16.36	ug/l #	82
16) Acetone	4.13	43	32407	47.63	ug/l	98
20) Methylene Chloride	4.91	84	27554	10.83	ug/l	94
25) 2-Butanone	7.18	43	2604	2.54	ug/l	96
30) Chloroform	7.68	83	5716	1.45	ug/l #	81
31) Cyclohexane	7.95	56	5177	1.37	ug/l #	16
36) 1,1-Dichloropropene	7.95	75	16740	4.81	ug/l #	50
37) Ethyl Acetate	7.18	43	2604	1.32	ug/l #	67
38) Carbon Tetrachloride	7.95	117	23308	6.07	ug/l #	17
49) 1,4-Dioxane	9.45	88	49	1.59	ug/l #	1
52) Toluene	10.40	92	10259	1.72	ug/l	99
56) Ethyl methacrylate	10.82	69	21	3.25	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.89	63	48	25.88	ug/l #	45
59) 2-Hexanone	10.98	43	206	14.79	ug/l #	43
68) m/p-Xylenes	11.85	106	7675	1.78	ug/l	95
69) o-Xylene	12.18	106	4547	1.15	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	70491	38.93	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.96	105	19359	2.25	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.63	75	70491	93.34	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.27	105	85692	9.85	ug/l	99
89) n-Butylbenzene	13.84	91	14307	1.58	ug/l #	78
90) Hexachloroethane	14.12	117	4689	2.61	ug/l #	11
95) Naphthalene	15.40	128	15740	2.18	ug/l #	80

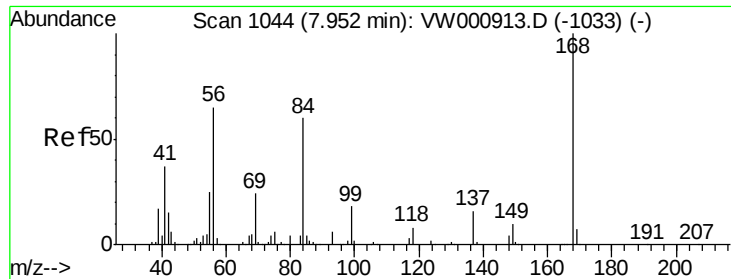
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 25 04:42:09 2018
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Quant Title : SW846 8260
QLast Update : Tue Jan 23 13:31:00 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW000949.D

Acq: 24 Jan 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

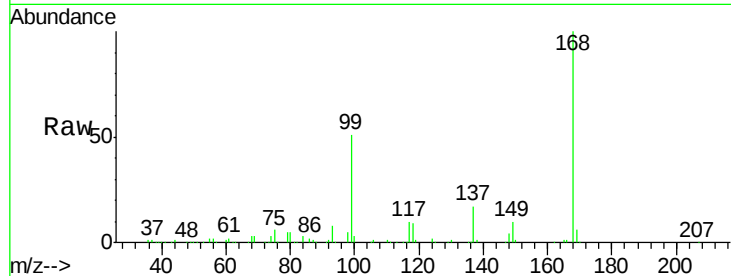
SU-04-012218

Tgt Ion:168 Resp: 242096

Ion Ratio Lower Upper

168 100

99 51.3 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

120000

100000

80000

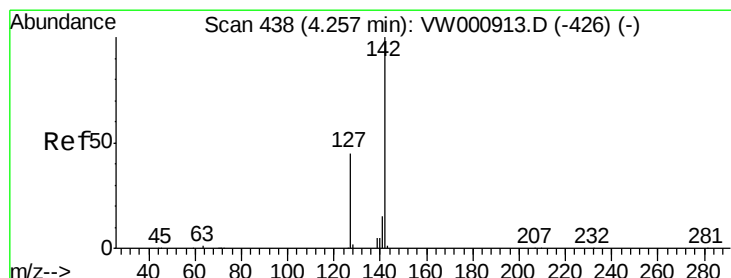
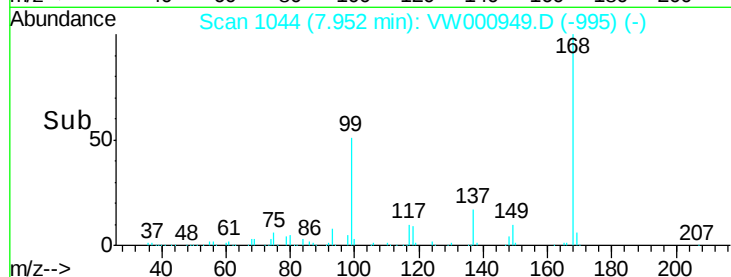
60000

40000

20000

0

Time-->



#10

Methyl Iodide

Concen: 5.23 ug/l

RT: 4.27 min Scan# 440

Delta R.T. 0.01 min

Lab File: VW000949.D

Acq: 24 Jan 2018 16:11

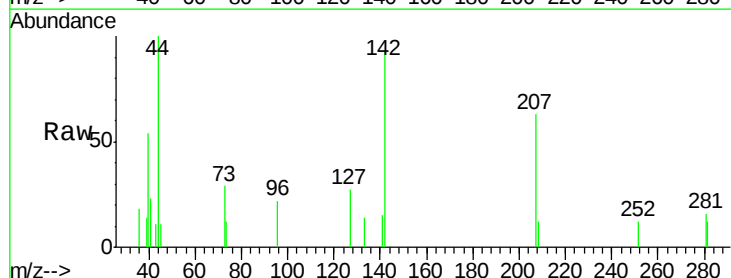
Tgt Ion:142 Resp: 995

Ion Ratio Lower Upper

142 100

127 38.2 35.5 53.3

141 15.6 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

4.27

600

500

400

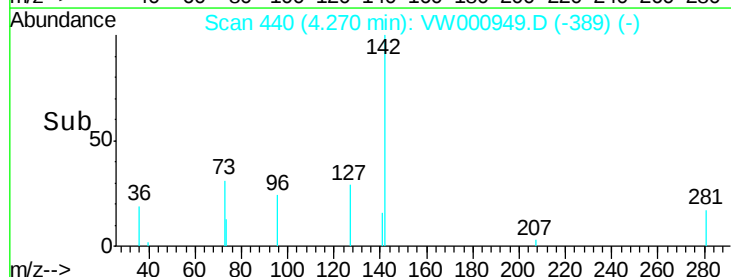
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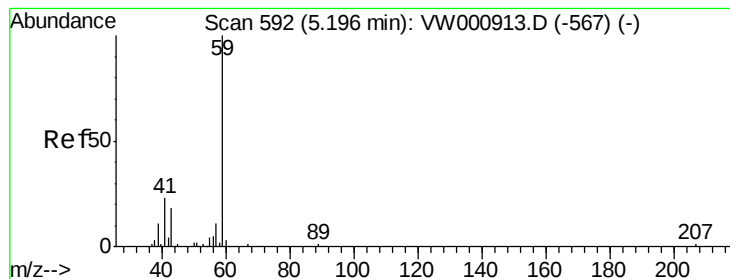
200

100

0

Time-->





#11

Tert butyl alcohol

Concen: 16.36 ug/l

RT: 5.18 min Scan# 589

Delta R.T. -0.02 min

Lab File: VW000949.D

Acq: 24 Jan 2018 16:11

Instrument :

MSVOA_W

ClientSampled :

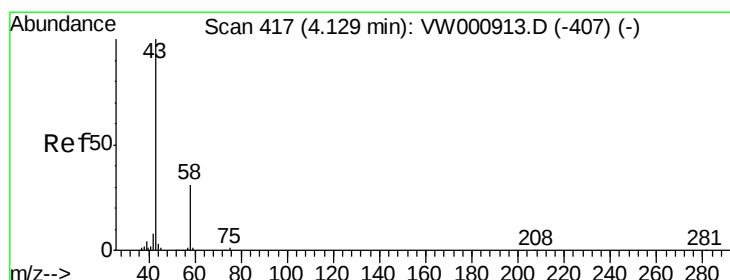
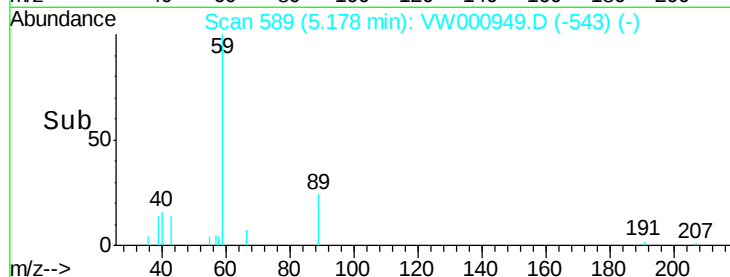
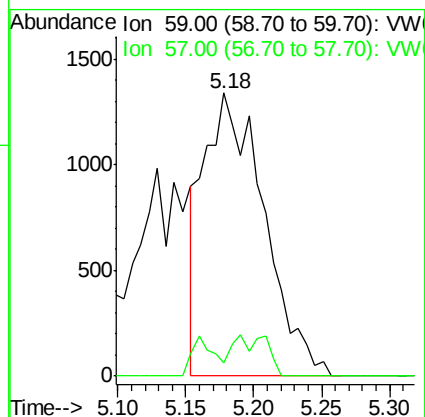
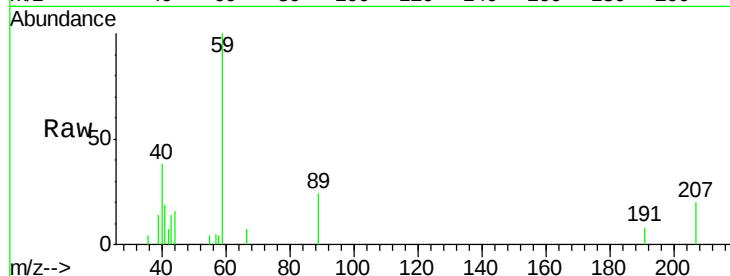
SU-04-012218

Tgt Ion: 59 Resp: 4118

Ion Ratio Lower Upper

59 100

57 2.4 7.0 10.6#



#16

Acetone

Concen: 47.63 ug/l

RT: 4.13 min Scan# 417

Delta R.T. 0.00 min

Lab File: VW000949.D

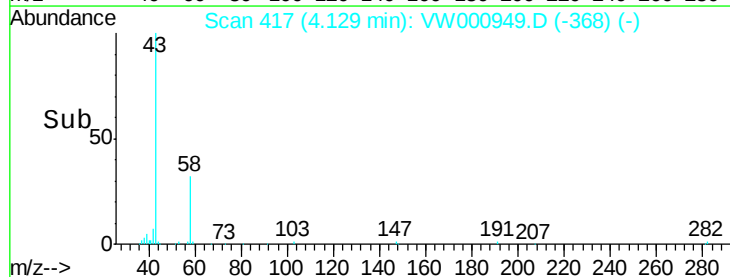
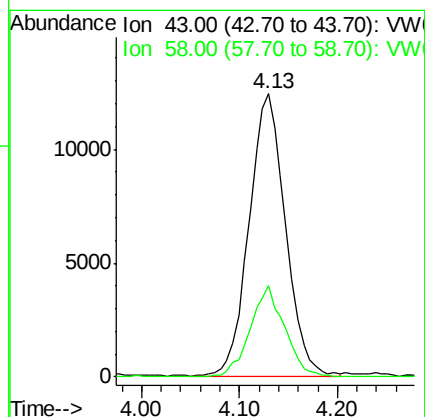
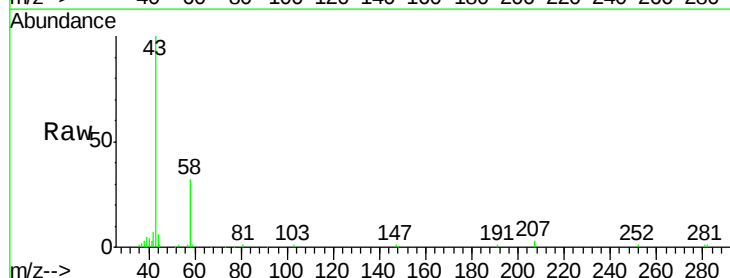
Acq: 24 Jan 2018 16:11

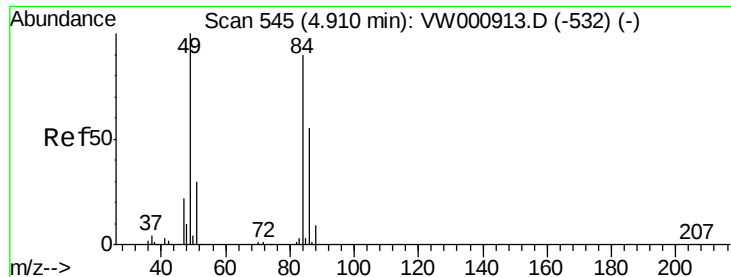
Tgt Ion: 43 Resp: 32407

Ion Ratio Lower Upper

43 100

58 32.2 24.9 37.3

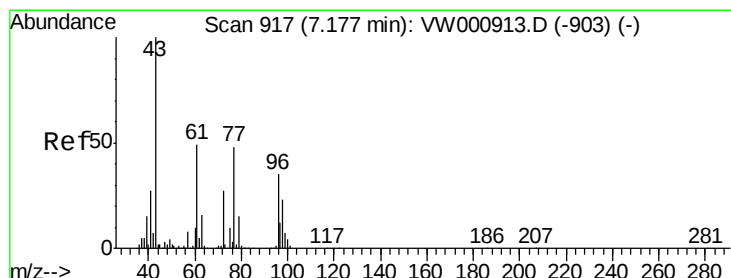
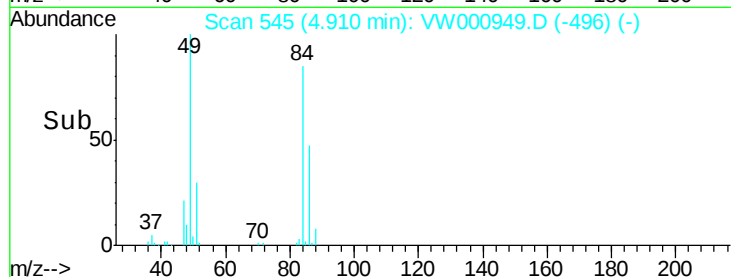
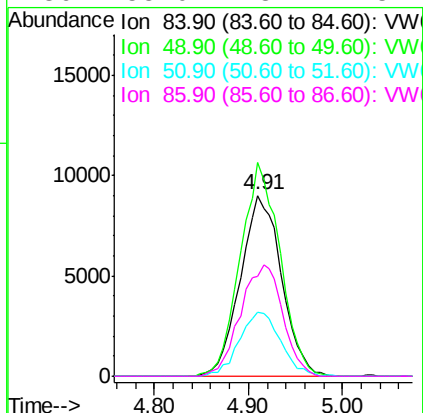
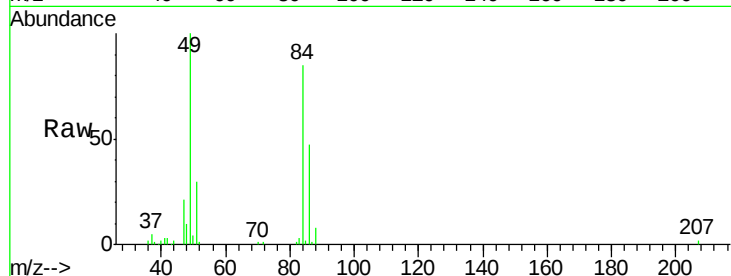




#20
Methylene Chloride
Concen: 10.83 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW000949.D
Acq: 24 Jan 2018 16:11

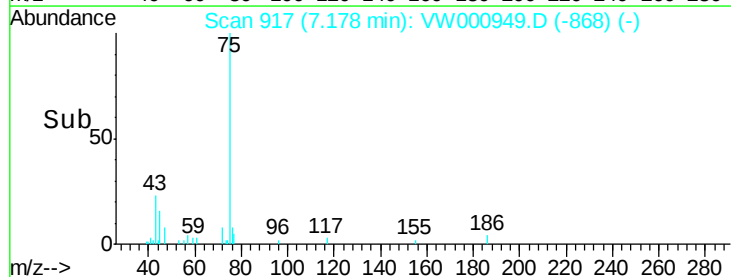
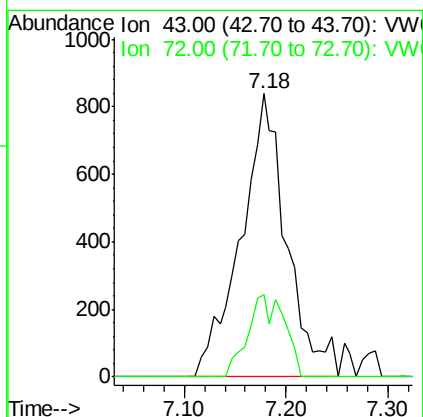
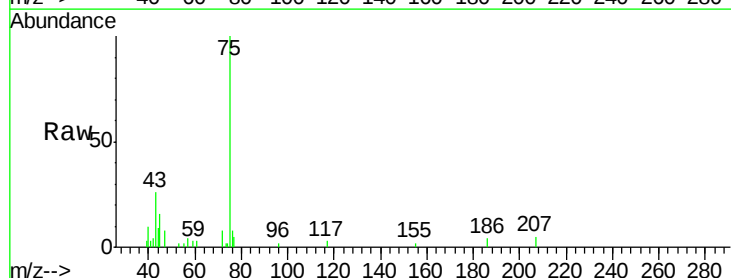
Instrument :
MSVOA_W
ClientSampleId :
SU-04-012218

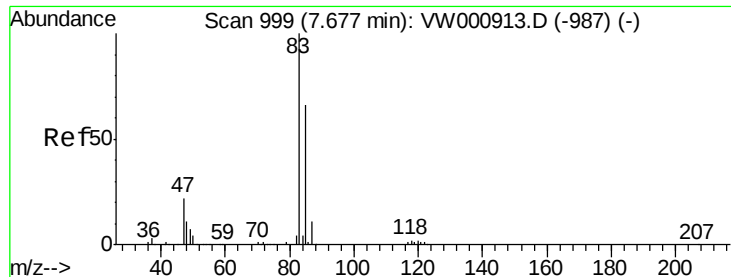
Tgt Ion:	84	Resp:	27554
Ion	Ratio	Lower	Upper
84	100		
49	118.2	89.0	133.4
51	35.4	26.7	40.1
86	55.0	48.7	73.1



#25
2-Butanone
Concen: 2.54 ug/l
RT: 7.18 min Scan# 917
Delta R.T. 0.00 min
Lab File: VW000949.D
Acq: 24 Jan 2018 16:11

Tgt Ion:	43	Resp:	2604
Ion	Ratio	Lower	Upper
43	100		
72	29.1	21.5	32.3

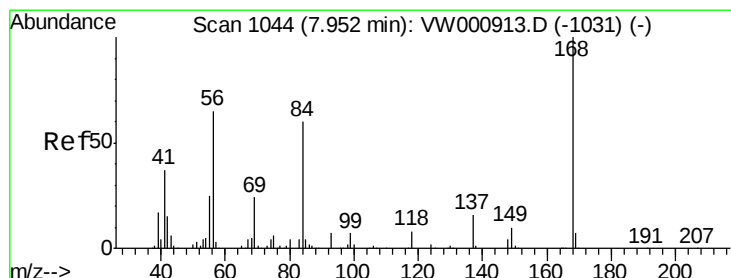
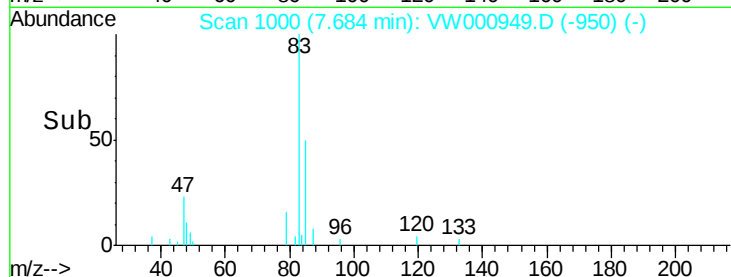
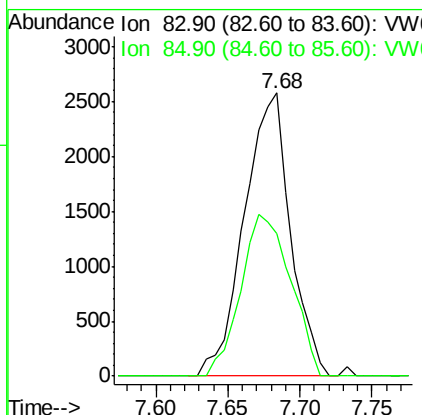
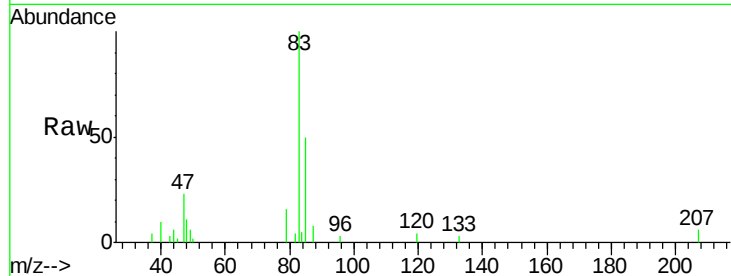




#30
Chloroform
Concen: 1.45 ug/l
RT: 7.68 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VW000949.D
Acq: 24 Jan 2018 16:11

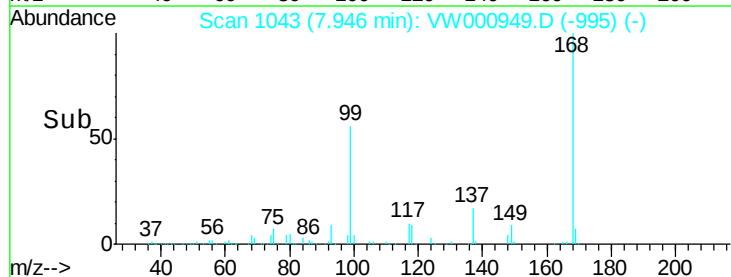
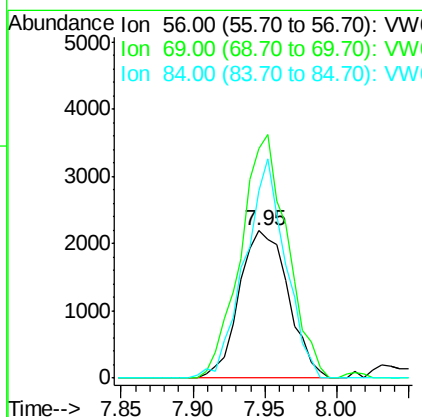
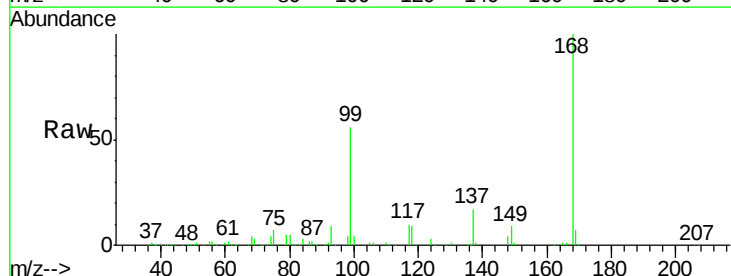
Instrument :
MSVOA_W
ClientSampleId :
SU-04-012218

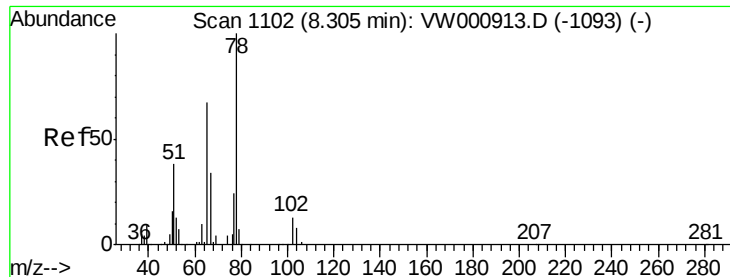
Tgt Ion: 83 Resp: 5716
Ion Ratio Lower Upper
83 100
85 50.4 52.5 78.7#



#31
Cyclohexane
Concen: 1.37 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW000949.D
Acq: 24 Jan 2018 16:11

Tgt Ion: 56 Resp: 5177
Ion Ratio Lower Upper
56 100
69 156.2 29.2 43.8#
84 126.9 73.6 110.4#





#33

1,2-Dichloroethane-d4

Concen: 52.06 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VW000949.D

Acq: 24 Jan 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

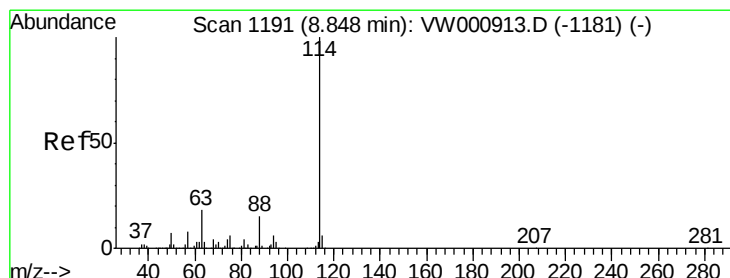
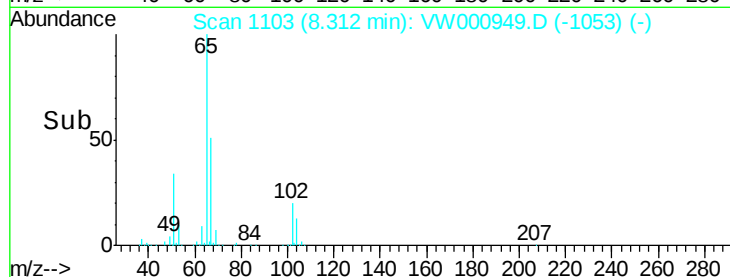
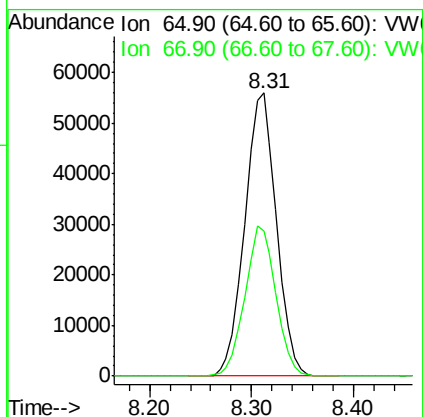
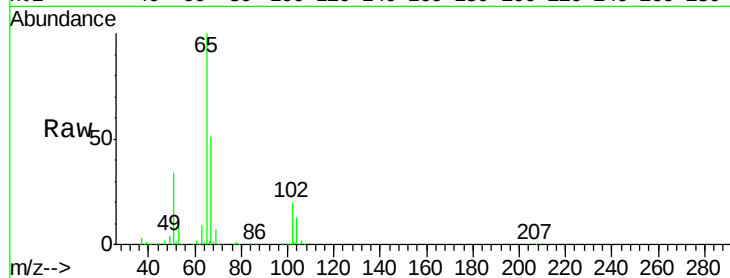
SU-04-012218

Tgt Ion: 65 Resp: 120801

Ion Ratio Lower Upper

65 100

67 51.9 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: VW000949.D

Acq: 24 Jan 2018 16:11

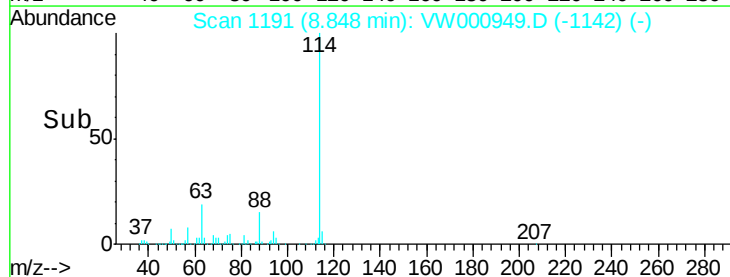
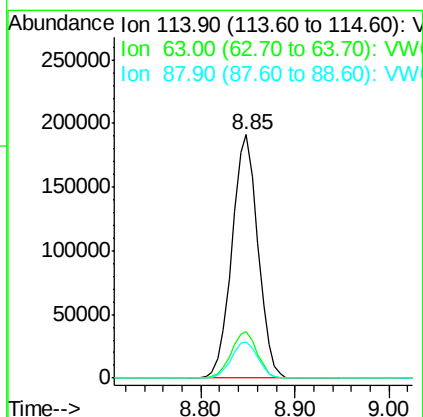
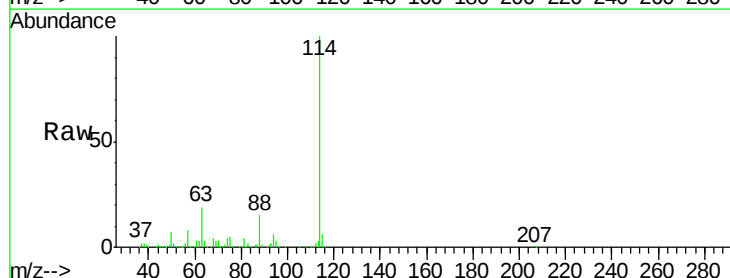
Tgt Ion: 114 Resp: 364948

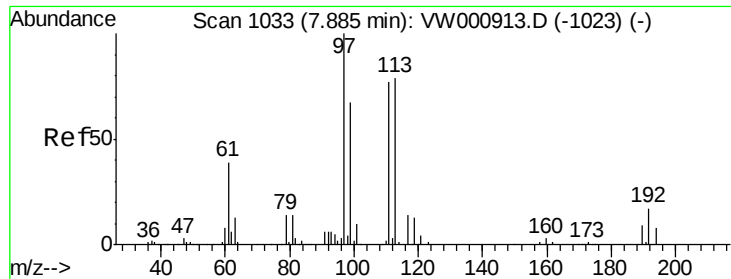
Ion Ratio Lower Upper

114 100

63 19.2 0.0 36.8

88 14.7 0.0 29.8

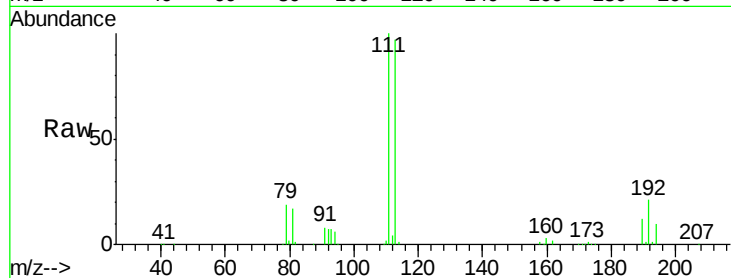




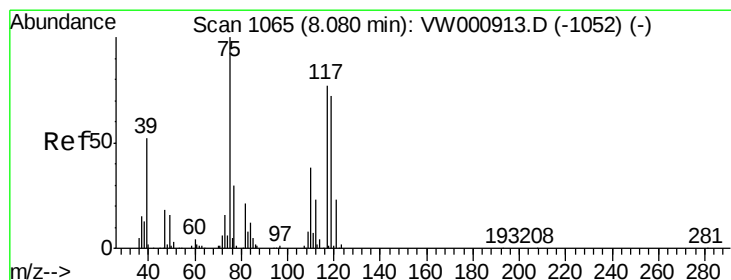
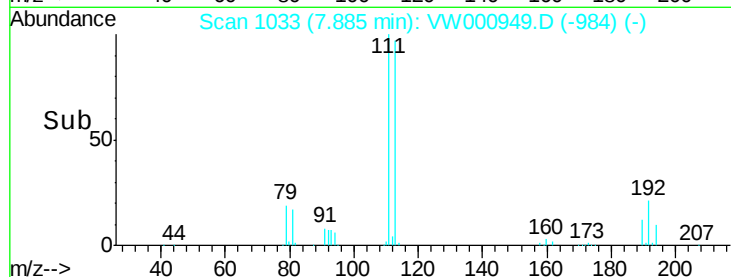
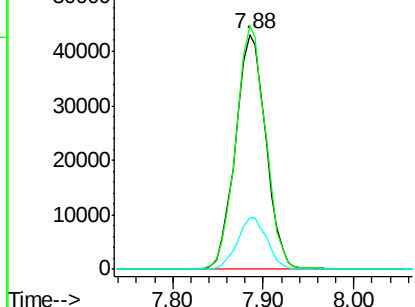
#35
 Dibromofluoromethane
 Concen: 44.77 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW000949.D
 Acq: 24 Jan 2018 16:11

Instrument :
 MSVOA_W
 ClientSampleId :
 SU-04-012218

Tgt Ion: 113 Resp: 100092
 Ion Ratio Lower Upper
 113 100
 111 101.4 80.4 120.6
 192 21.5 17.0 25.4

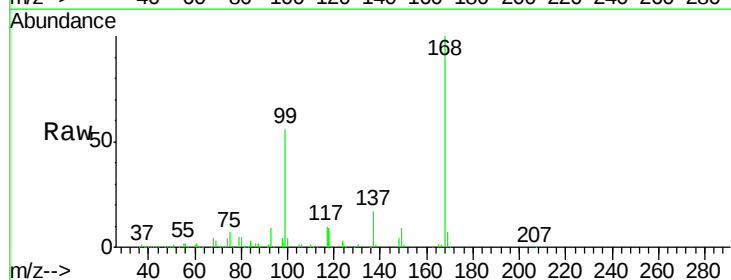


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

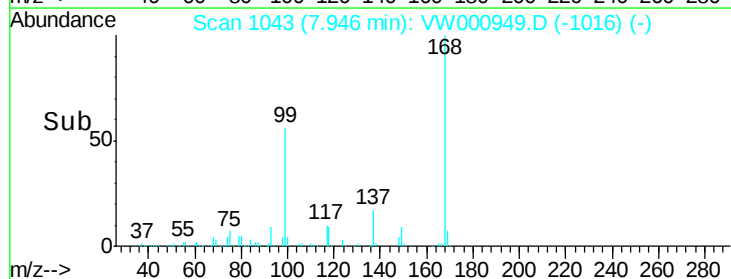
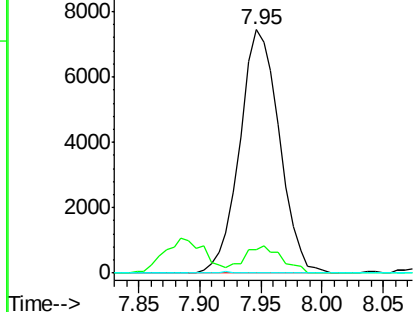


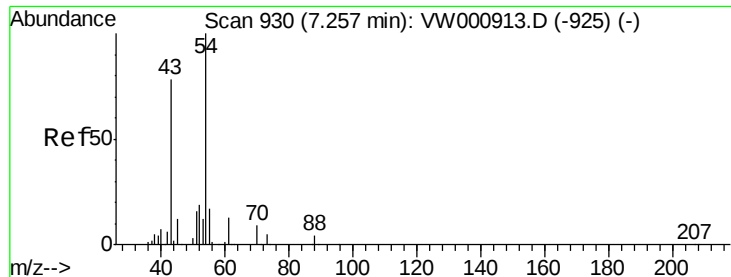
#36
 1,1-Dichloropropene
 Concen: 4.81 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW000949.D
 Acq: 24 Jan 2018 16:11

Tgt Ion: 75 Resp: 16740
 Ion Ratio Lower Upper
 75 100
 110 10.7 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





#37

Ethyl Acetate

Concen: 1.32 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.08 min

Lab File: VW000949.D

Acq: 24 Jan 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

SU-04-012218

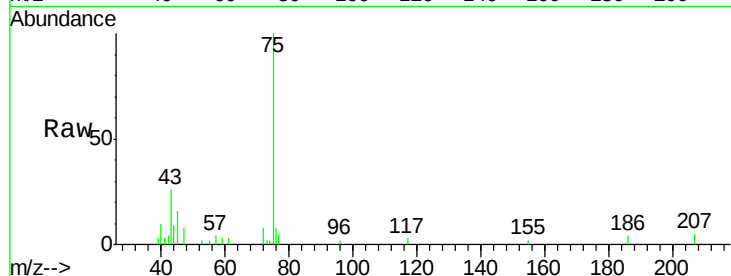
Tgt Ion: 43 Resp: 2604

Ion Ratio Lower Upper

43 100

61 30.0 12.1 18.1#

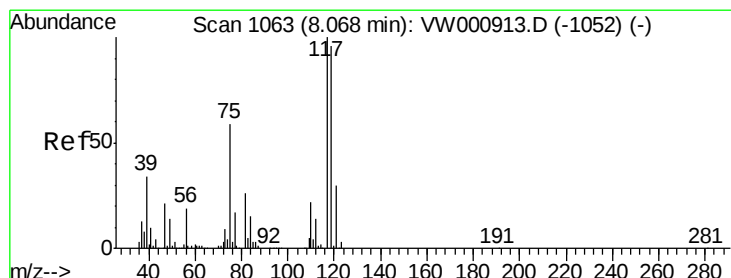
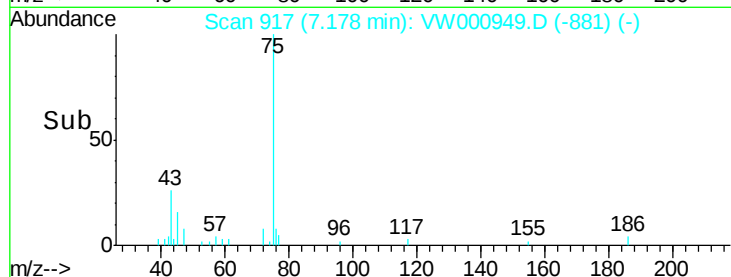
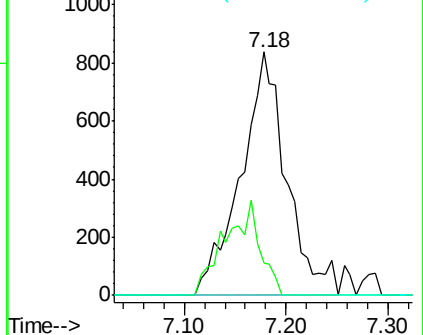
70 0.0 9.1 13.7#



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: 6.07 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW000949.D

Acq: 24 Jan 2018 16:11

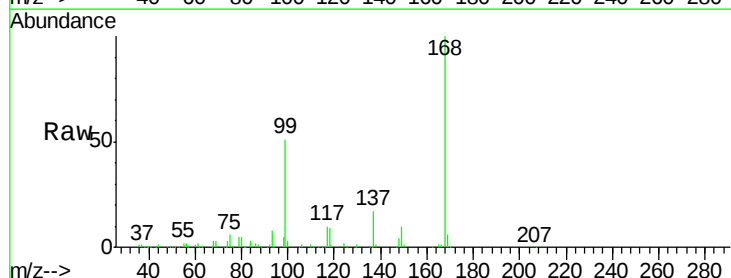
Tgt Ion: 117 Resp: 23308

Ion Ratio Lower Upper

117 100

119 5.8 76.5 114.7#

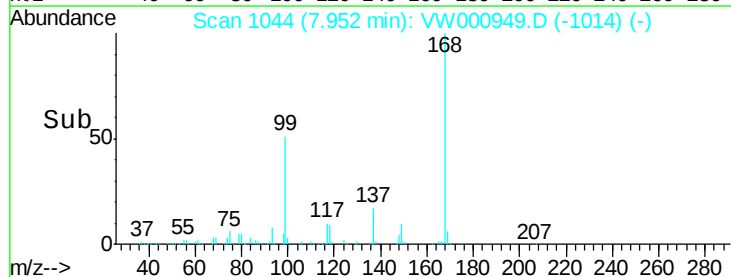
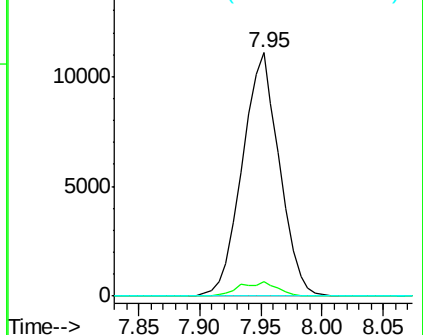
121 0.0 24.3 36.5#

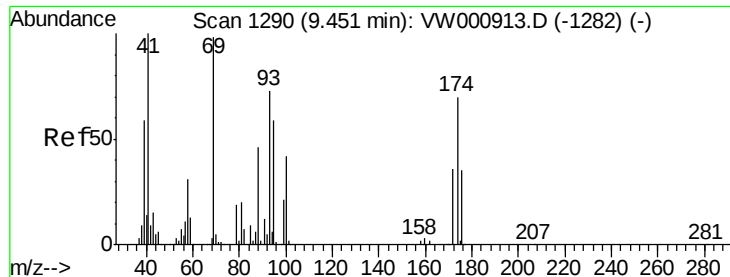


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 1.59 ug/l

RT: 9.45 min Scan# 1289

Delta R.T. -0.01 min

Lab File: VW000949.D

Acq: 24 Jan 2018 16:11

Instrument :

MSVOA_W

ClientSampled :

SU-04-012218

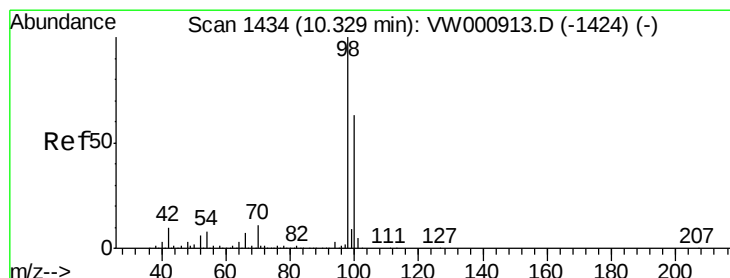
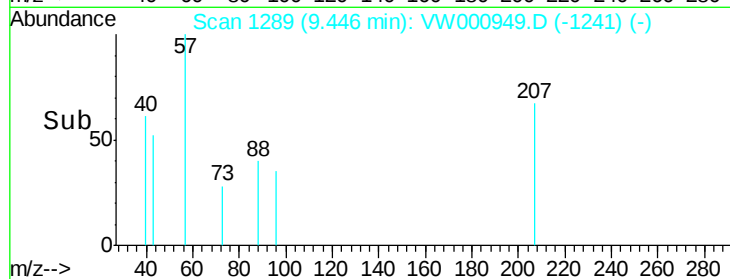
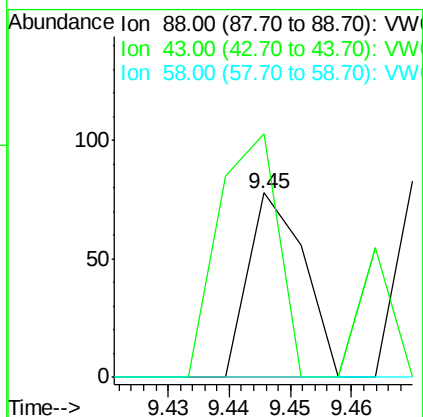
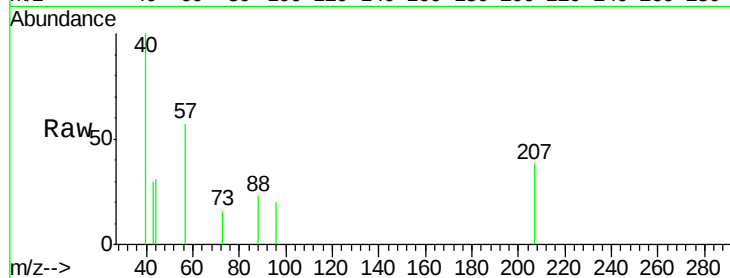
Tgt Ion: 88 Resp: 49

Ion Ratio Lower Upper

88 100

43 140.8 24.5 36.7#

58 0.0 54.7 82.1#



#50

Toluene-d8

Concen: 47.65 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW000949.D

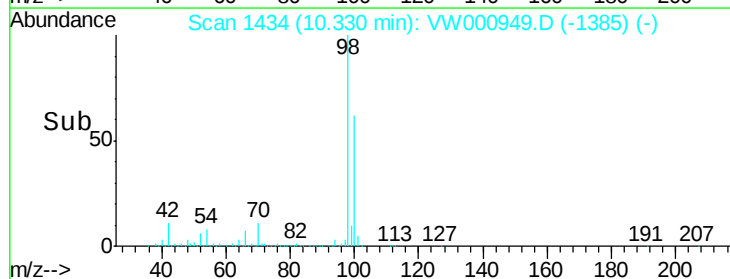
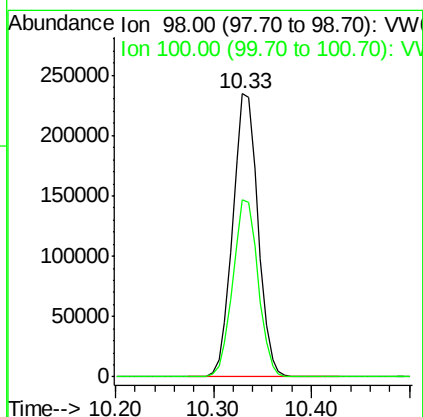
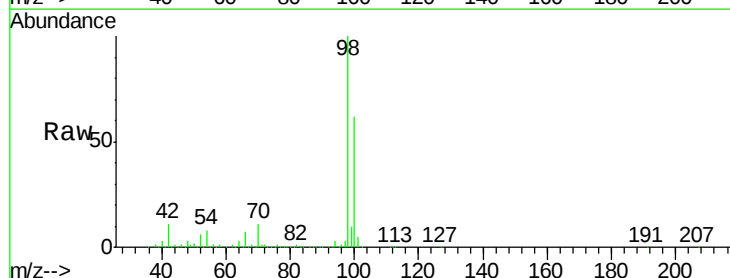
Acq: 24 Jan 2018 16:11

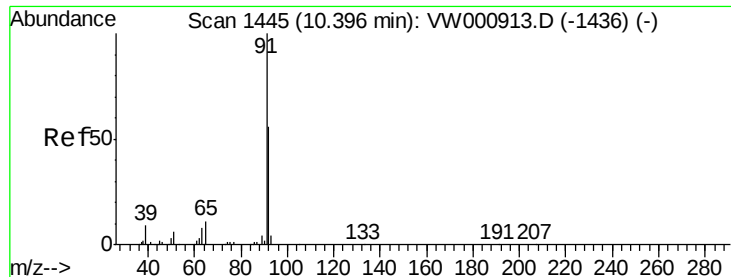
Tgt Ion: 98 Resp: 419943

Ion Ratio Lower Upper

98 100

100 62.7 50.8 76.2





#52

Toluene

Concen: 1.72 ug/l

RT: 10.40 min Scan# 1445

Delta R.T. 0.00 min

Lab File: VW000949.D

Acq: 24 Jan 2018 16:11

Instrument :

MSVOA_W

ClientSampled :

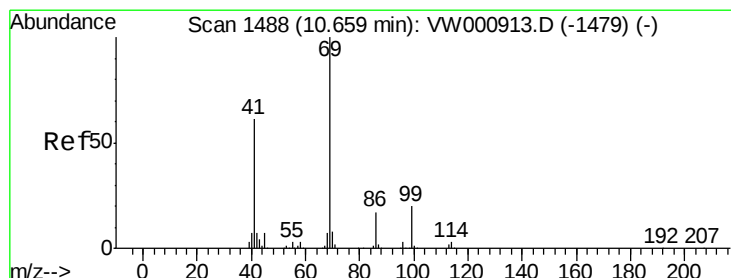
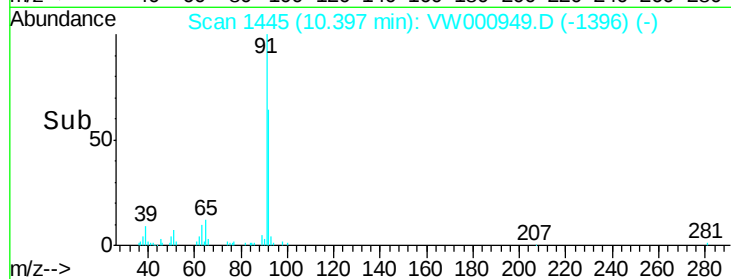
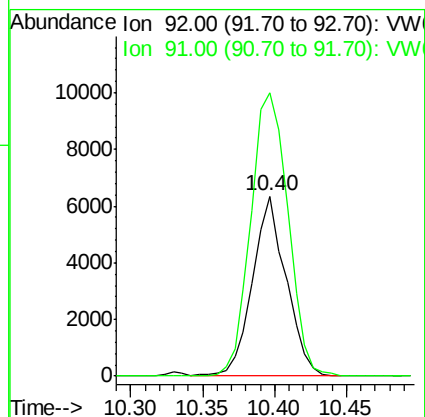
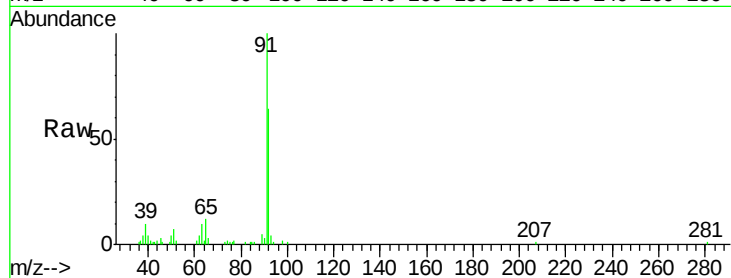
SU-04-012218

Tgt Ion: 92 Resp: 10259

Ion Ratio Lower Upper

92 100

91 174.1 140.7 211.1



#56

Ethyl methacrylate

Concen: 3.25 ug/l

RT: 10.82 min Scan# 1514

Delta R.T. 0.16 min

Lab File: VW000949.D

Acq: 24 Jan 2018 16:11

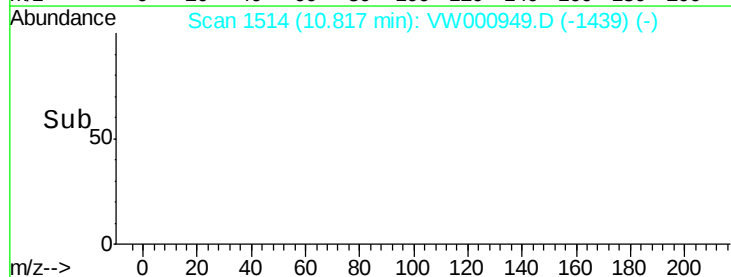
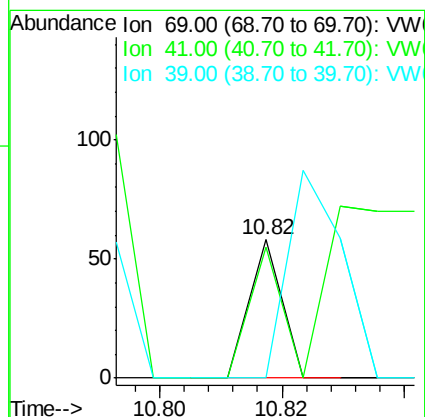
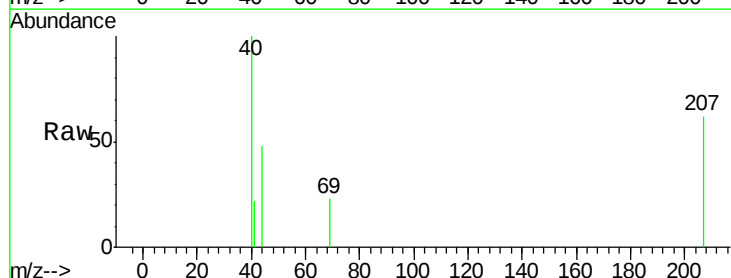
Tgt Ion: 69 Resp: 21

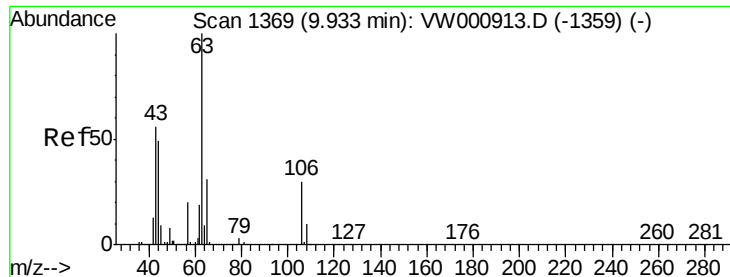
Ion Ratio Lower Upper

69 100

41 0.0 50.3 75.5#

39 252.4 28.6 42.8#

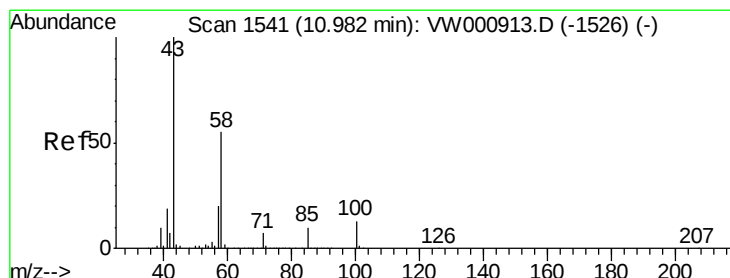
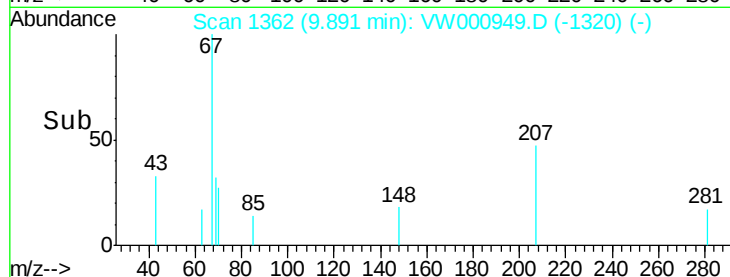
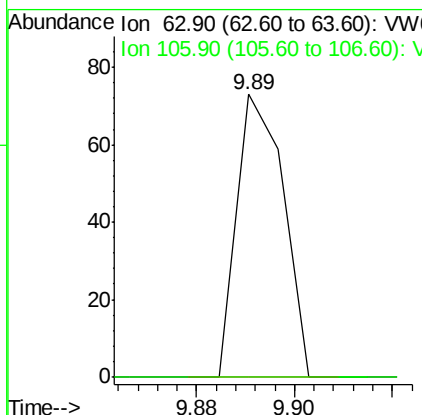
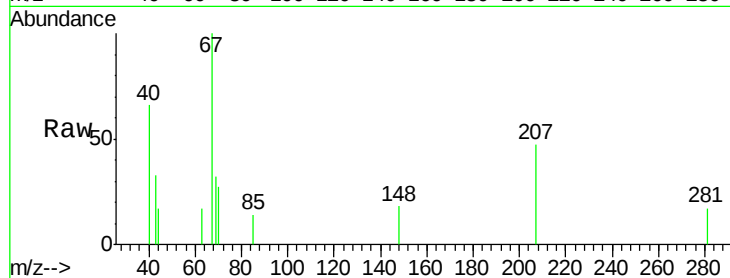




#58
 2-Chloroethyl Vinyl ether
 Concen: 25.88 ug/l
 RT: 9.89 min Scan# 1362
 Delta R.T. -0.04 min
 Lab File: VW000949.D
 Acq: 24 Jan 2018 16:11

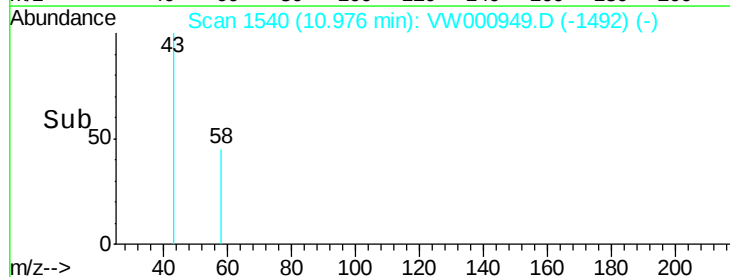
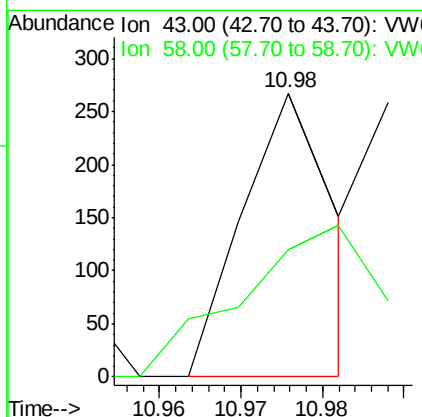
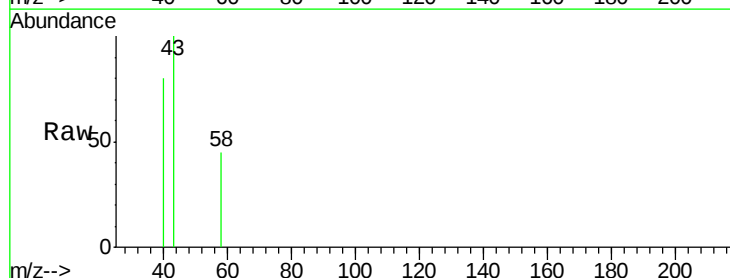
Instrument :
 MSVOA_W
 ClientSampleId :
 SU-04-012218

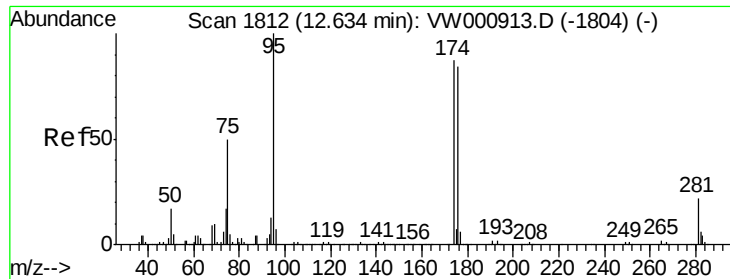
Tgt Ion: 63 Resp: 48
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.8 35.8#



#59
 2-Hexanone
 Concen: 14.79 ug/l
 RT: 10.98 min Scan# 1540
 Delta R.T. -0.01 min
 Lab File: VW000949.D
 Acq: 24 Jan 2018 16:11

Tgt Ion: 43 Resp: 206
 Ion Ratio Lower Upper
 43 100
 58 95.6 27.4 82.2#

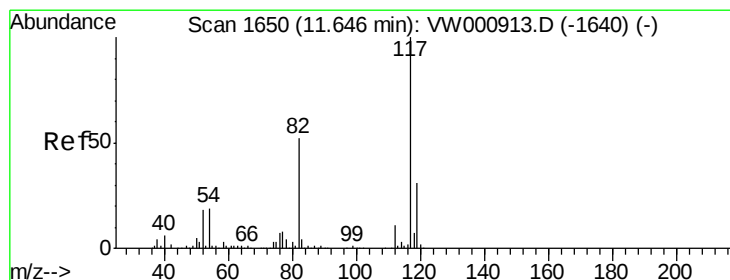
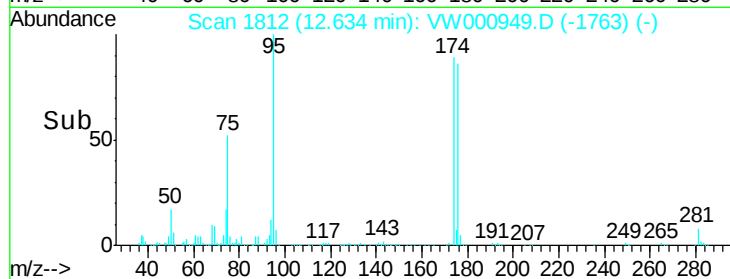
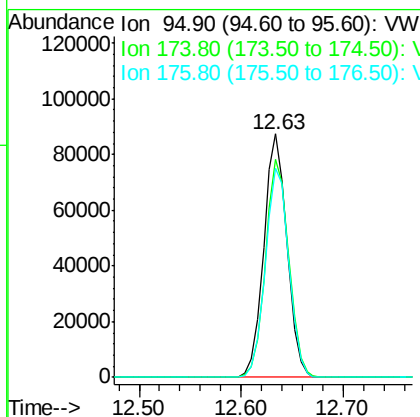
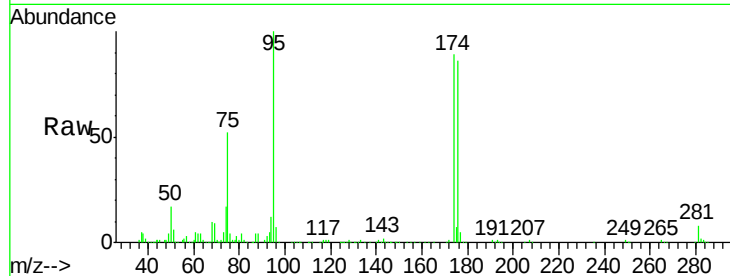




#62
4-Bromofluorobenzene
Concen: 42.97 ug/l
RT: 12.63 min Scan# 1812
Delta R.T. 0.00 min
Lab File: VW000949.D
Acq: 24 Jan 2018 16:11

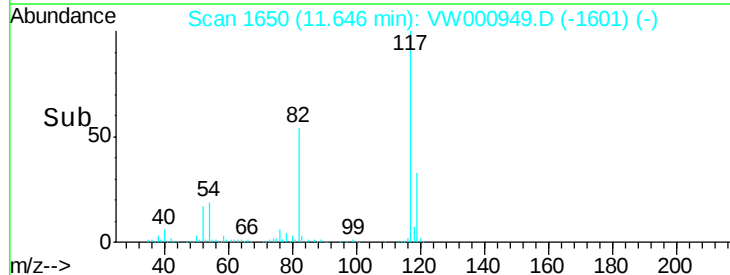
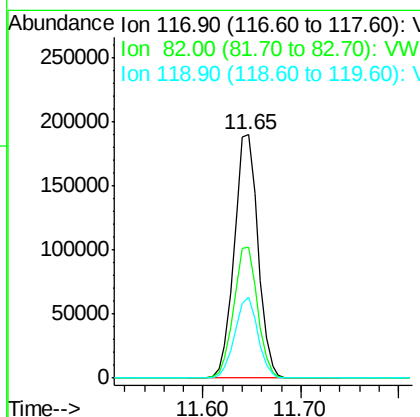
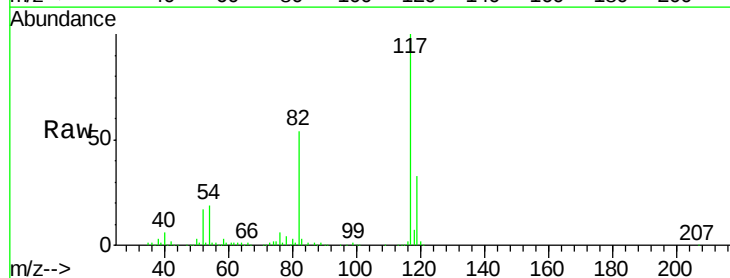
Instrument :
MSVOA_W
ClientSampleId :
SU-04-012218

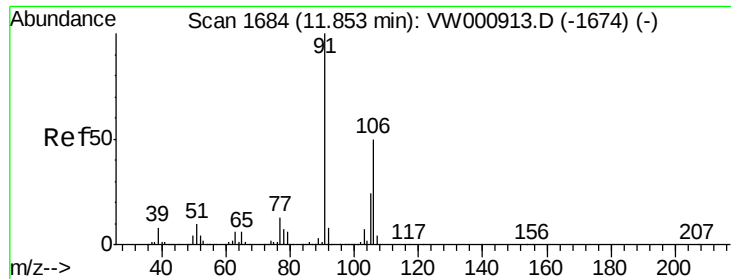
Tgt Ion: 95 Resp: 137937
Ion Ratio Lower Upper
95 100
174 89.8 0.0 176.8
176 86.6 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VW000949.D
Acq: 24 Jan 2018 16:11

Tgt Ion: 117 Resp: 320112
Ion Ratio Lower Upper
117 100
82 53.7 41.8 62.6
119 33.2 25.2 37.8

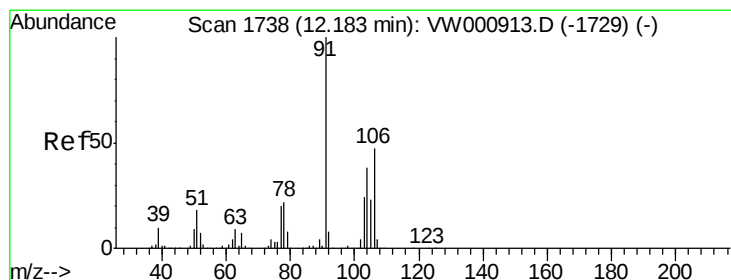
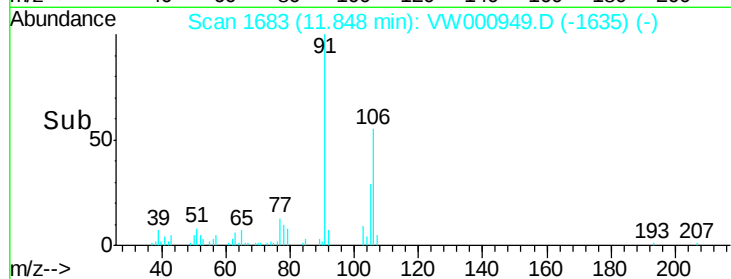
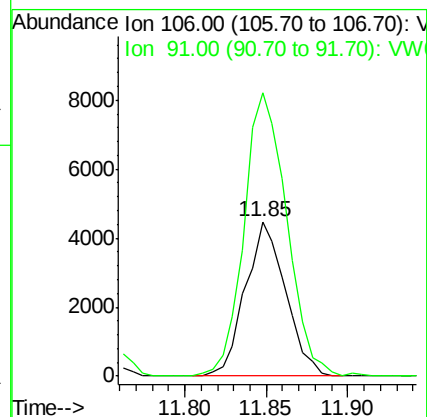
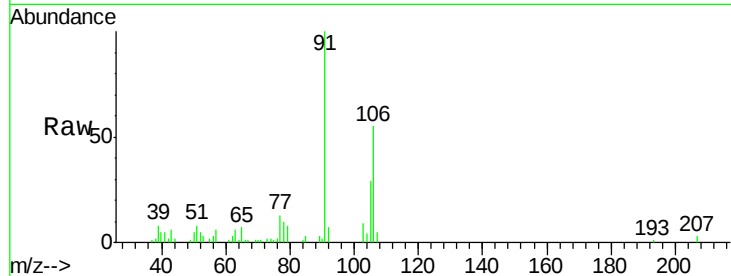




#68
m/p-Xylenes
Concen: 1.78 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW000949.D
Acq: 24 Jan 2018 16:11

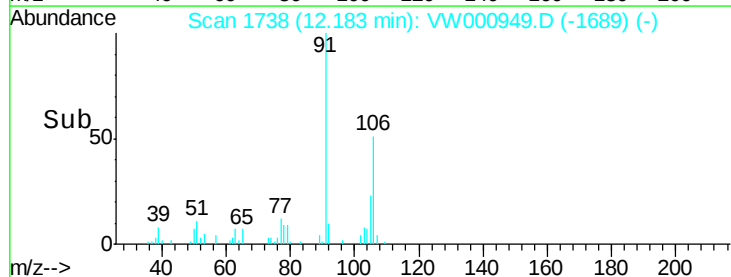
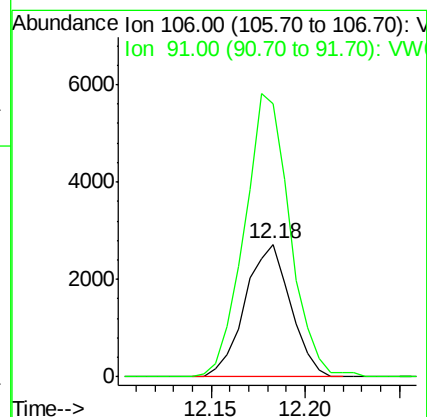
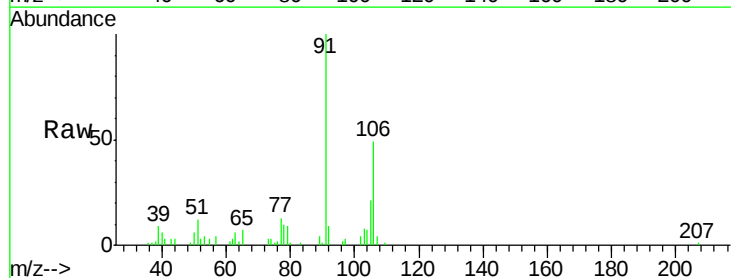
Instrument :
MSVOA_W
ClientSampleId :
SU-04-012218

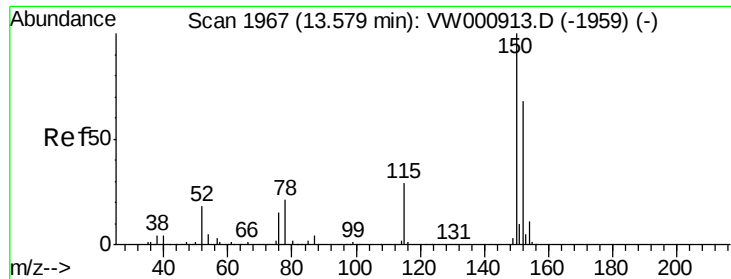
Tgt Ion:106 Resp: 7675
Ion Ratio Lower Upper
106 100
91 194.9 161.9 242.9



#69
o-Xylene
Concen: 1.15 ug/l
RT: 12.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VW000949.D
Acq: 24 Jan 2018 16:11

Tgt Ion:106 Resp: 4547
Ion Ratio Lower Upper
106 100
91 213.9 106.3 318.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.58 min Scan# 1967

Delta R.T. 0.00 min

Lab File: VW000949.D

Acq: 24 Jan 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

SU-04-012218

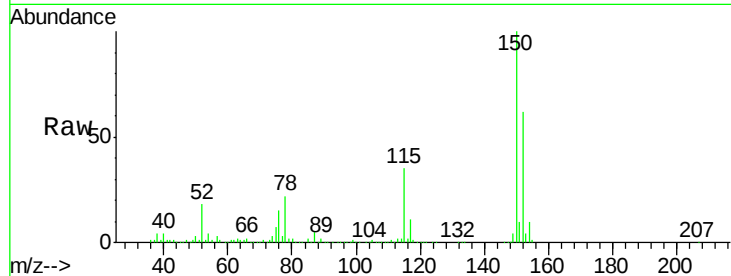
Tgt Ion:152 Resp: 156491

Ion Ratio Lower Upper

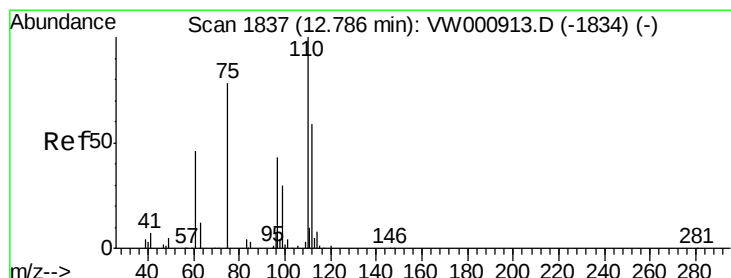
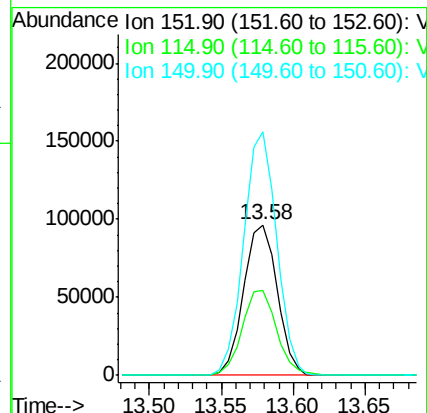
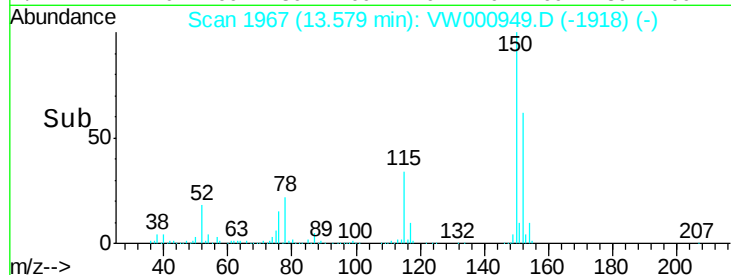
152 100

115 58.0 28.5 85.5

150 158.3 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: 38.93 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. -0.15 min

Lab File: VW000949.D

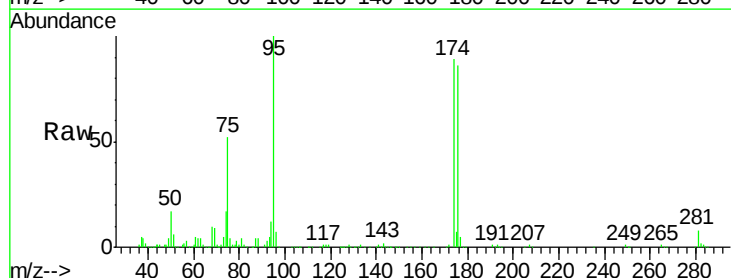
Acq: 24 Jan 2018 16:11

Tgt Ion: 75 Resp: 70491

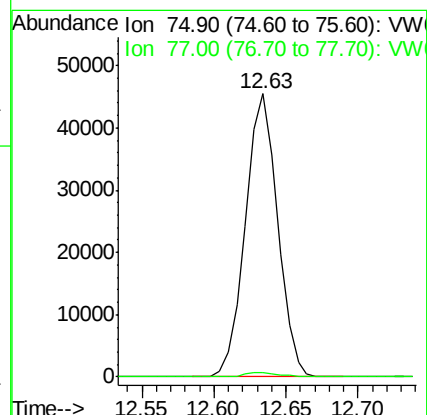
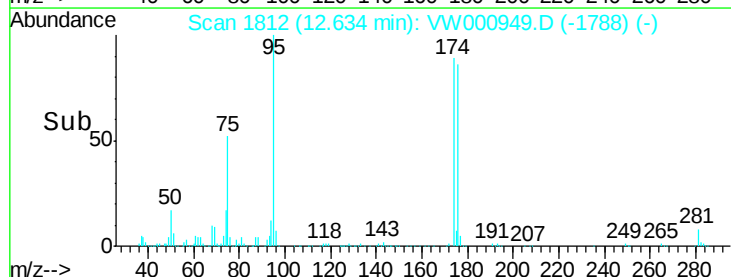
Ion Ratio Lower Upper

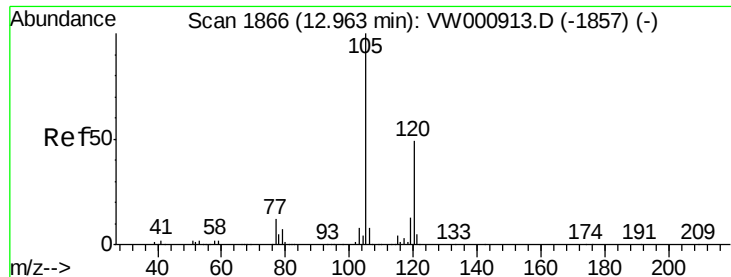
75 100

77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#80

1,3,5-Trimethylbenzene

Concen: 2.25 ug/l

RT: 12.96 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VW000949.D

Acq: 24 Jan 2018 16:11

Instrument :

MSVOA_W

ClientSampled :

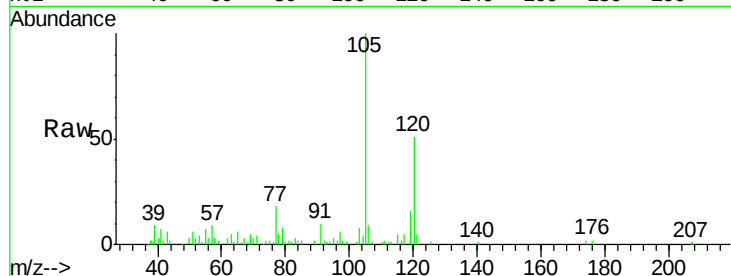
SU-04-012218

Tgt Ion:105 Resp: 19359

Ion Ratio Lower Upper

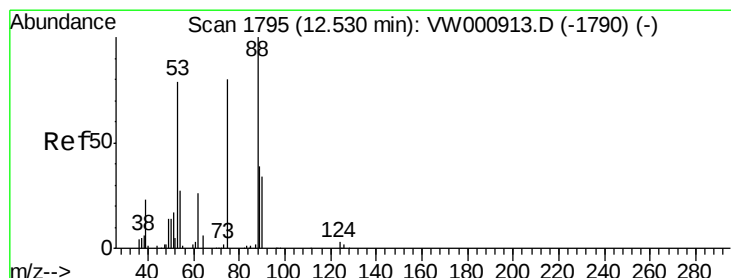
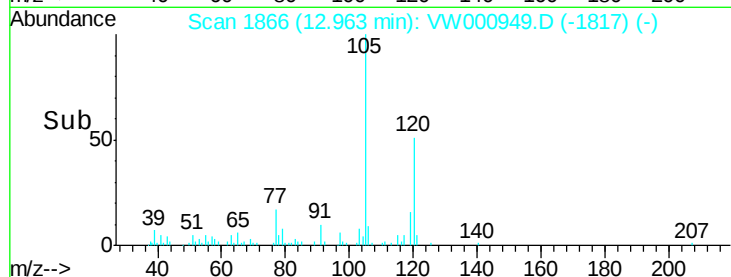
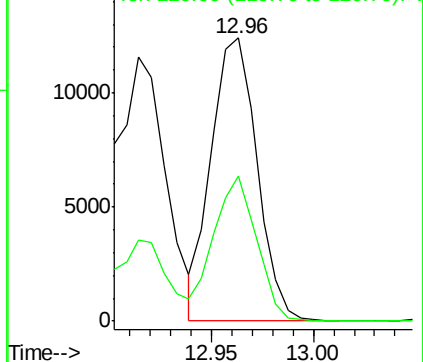
105 100

120 48.1 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 93.34 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. 0.10 min

Lab File: VW000949.D

Acq: 24 Jan 2018 16:11

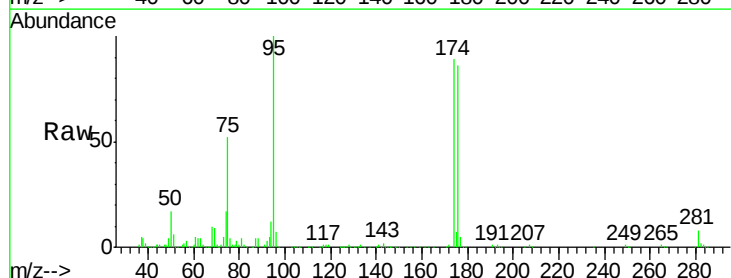
Tgt Ion: 75 Resp: 70491

Ion Ratio Lower Upper

75 100

53 0.3 77.5 116.3#

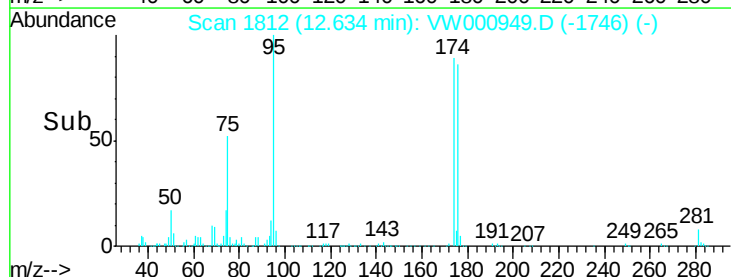
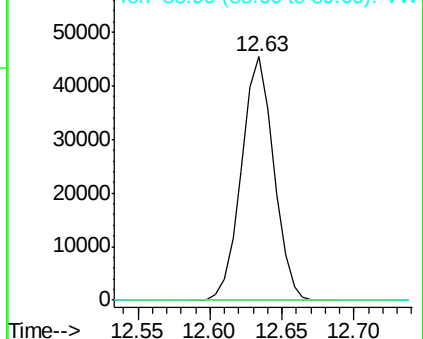
89 0.1 38.2 57.4#

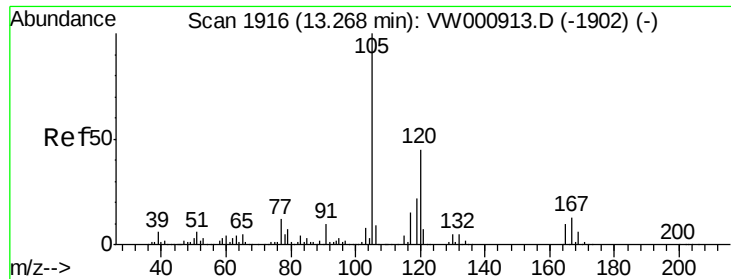


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

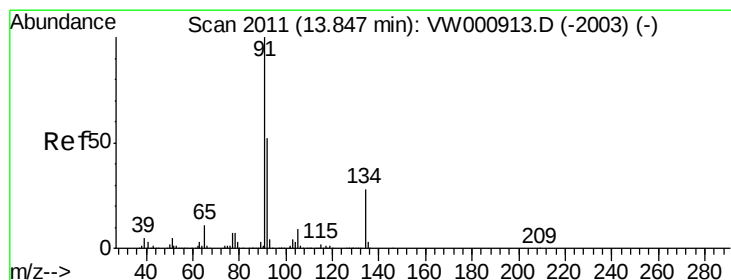
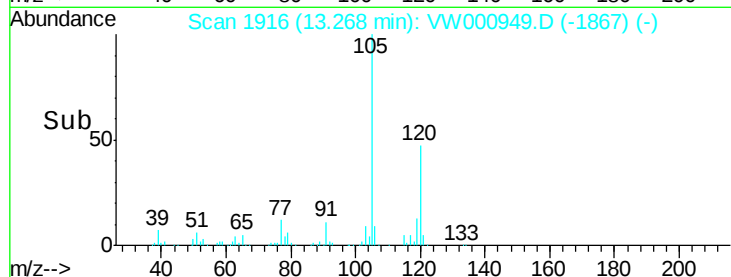
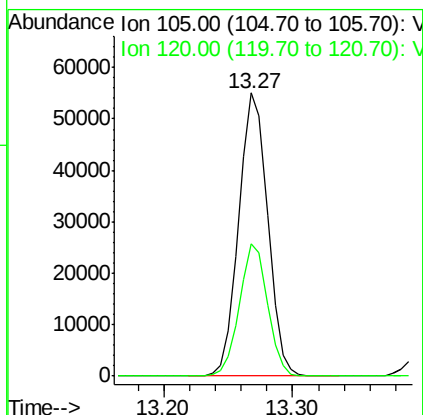
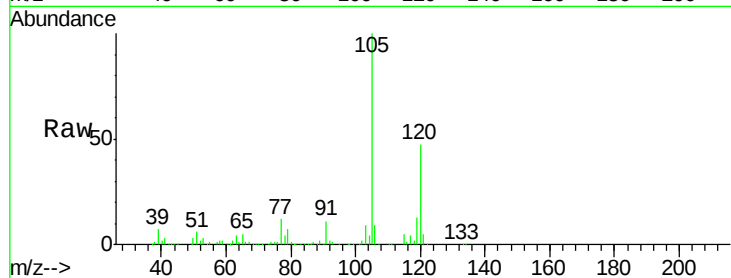




#84
 1,2,4-Trimethylbenzene
 Concen: 9.85 ug/l
 RT: 13.27 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW000949.D
 Acq: 24 Jan 2018 16:11

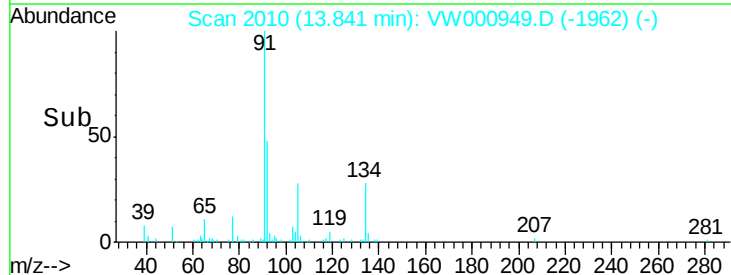
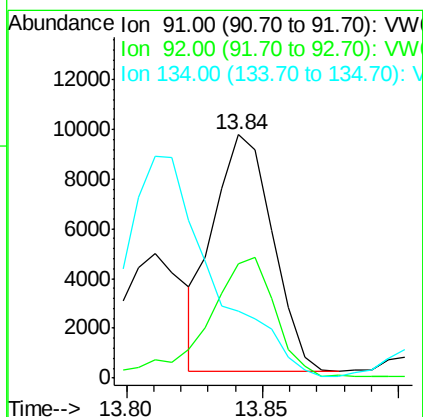
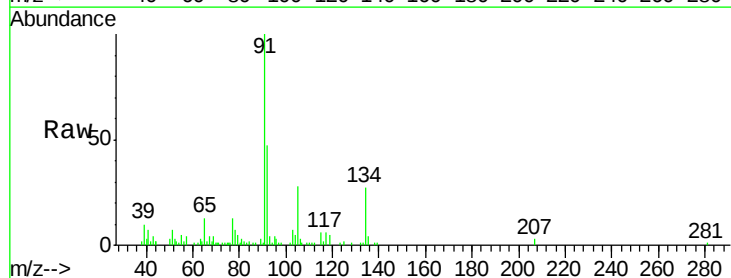
Instrument :
 MSVOA_W
 ClientSampleId :
 SU-04-012218

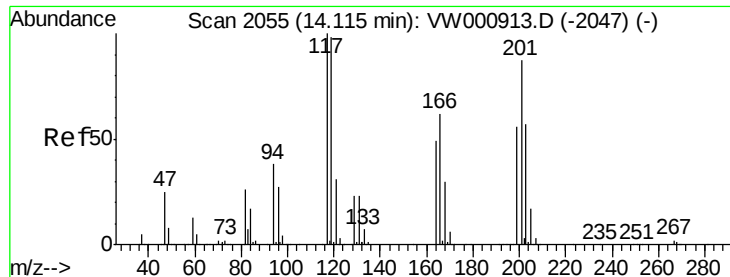
Tgt Ion: 105 Resp: 85692
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.4 67.0



#89
 n-Butylbenzene
 Concen: 1.58 ug/l
 RT: 13.84 min Scan# 2010
 Delta R.T. -0.01 min
 Lab File: VW000949.D
 Acq: 24 Jan 2018 16:11

Tgt Ion: 91 Resp: 14307
 Ion Ratio Lower Upper
 91 100
 92 57.2 26.2 78.6
 134 0.0 13.7 41.1#





#90

Hexachloroethane

Concen: 2.61 ug/l

RT: 14.12 min Scan# 2056

Delta R.T. 0.01 min

Lab File: VW000949.D

Acq: 24 Jan 2018 16:11

Instrument :

MSVOA_W

ClientSampled :

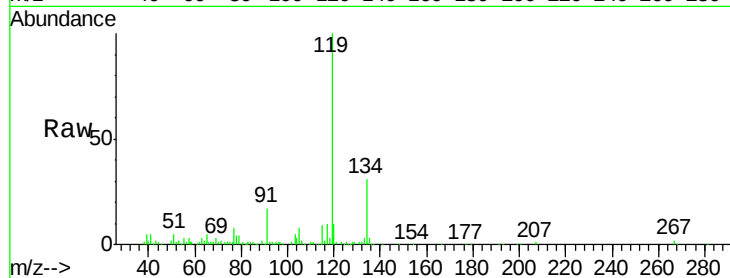
SU-04-012218

Tgt Ion:117 Resp: 4689

Ion Ratio Lower Upper

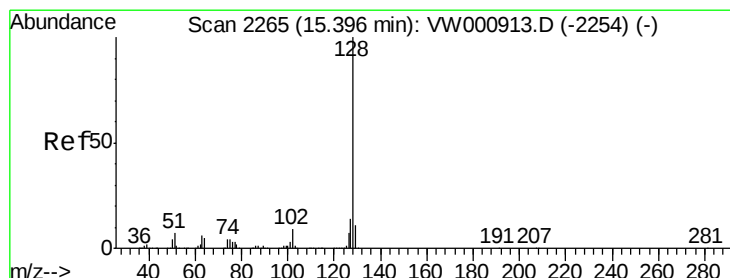
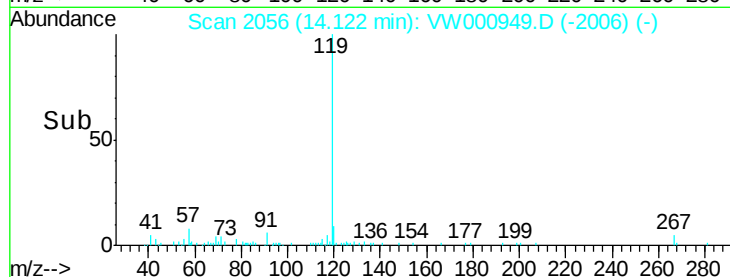
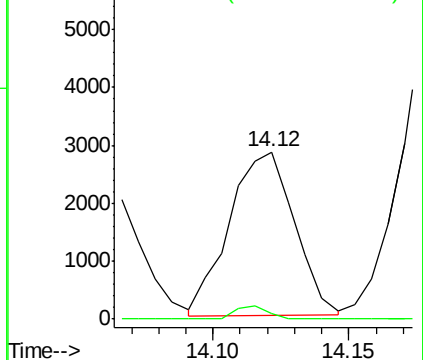
117 100

201 3.9 42.8 128.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 2.18 ug/l

RT: 15.40 min Scan# 2265

Delta R.T. 0.00 min

Lab File: VW000949.D

Acq: 24 Jan 2018 16:11

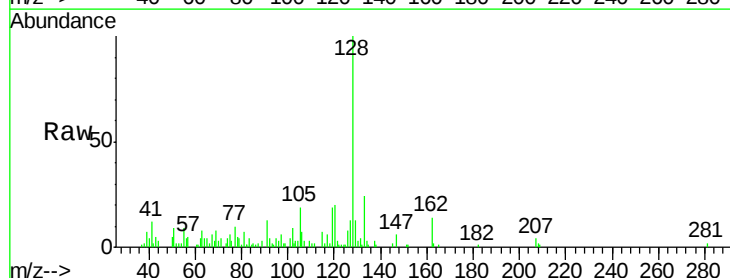
Tgt Ion:128 Resp: 15740

Ion Ratio Lower Upper

128 100

127 19.8 10.6 15.8#

129 20.1 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

