

Data File : VW006869.D
Acq On : 13 Nov 2018 21:34
Operator : SY/AP
Sample : J5860-21RE
Misc : 5.47G/5ML/MSVOA_W/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-110(14-16)

Quant Time: Nov 14 04:08:52 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 12 14:58:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	425335	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	572897	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	569680	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	321892	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	122365	39.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.70%	
35) Dibromofluoromethane	7.89	113	132648	38.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.76%	
50) Toluene-d8	10.33	98	555015	39.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.50%	
62) 4-Bromofluorobenzene	12.62	95	217624	41.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.58%	

Target Compounds

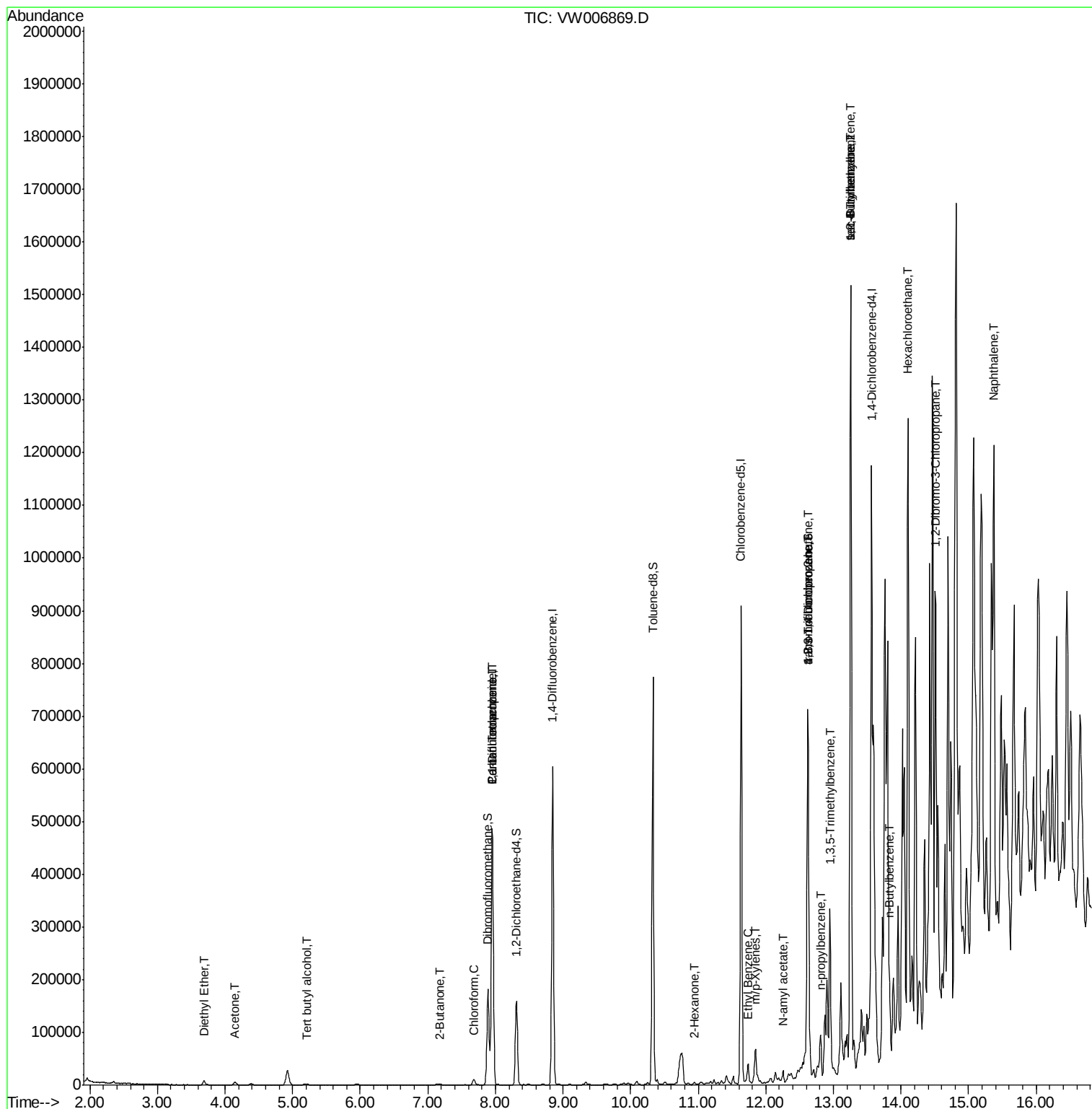
						Qvalue
8) Diethyl Ether	3.69	74	4601	2.795	ug/l	95
11) Tert butyl alcohol	5.21	59	3303	16.183	ug/l #	85
16) Acetone	4.15	43	8950	20.043	ug/l	93
25) 2-Butanone	7.18	43	895	1.185	ug/l #	76
30) Chloroform	7.68	83	9633	1.516	ug/l	99
36) 1,1-Dichloropropene	7.95	75	23559	4.394	ug/l #	47
38) Carbon Tetrachloride	7.95	117	34237	5.876	ug/l #	15
59) 2-Hexanone	10.94	43	1838	1.559	ug/l #	22
67) Ethyl Benzene	11.74	91	25331	1.176	ug/l	98
68) m/p-Xylenes	11.84	106	19417	2.203	ug/l	99
74) N-amyl acetate	12.26	43	4425	1.310	ug/l #	60
76) 1,2,3-Trichloropropane	12.62	75	95685	41.248	ug/l #	100
78) n-propylbenzene	12.81	91	62987	2.389	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	157957	8.223	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.62	75	95685	102.029	ug/l #	13
83) tert-Butylbenzene	13.26	119	109621	6.456	ug/l #	72
84) 1,2,4-Trimethylbenzene	13.26	105	847714	43.367	ug/l	99
85) sec-Butylbenzene	13.26	105	847714	35.234	ug/l #	55
89) n-Butylbenzene	13.83	91	65007	3.250	ug/l #	71
90) Hexachloroethane	14.10	117	56387	16.103	ug/l #	3
92) 1,2-Dibromo-3-Chloropropan	14.51	75	968	1.956	ug/l #	6
95) Naphthalene	15.38	128	765256	67.783	ug/l	96

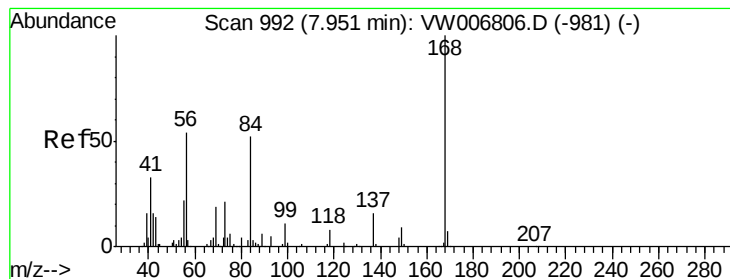
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006869.D

Acq: 13 Nov 2018 21:34

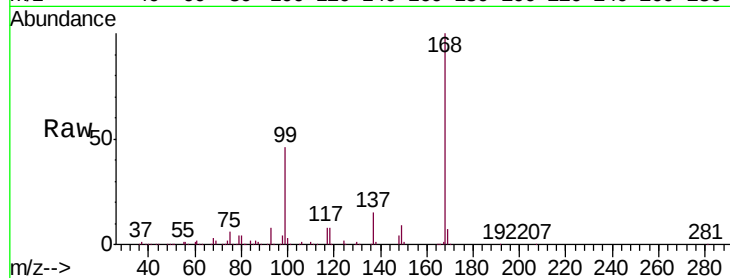
Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-110(14-16)

Tgt Ion:168 Resp: 425335

Ion Ratio Lower Upper

168 100

99 45.6 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

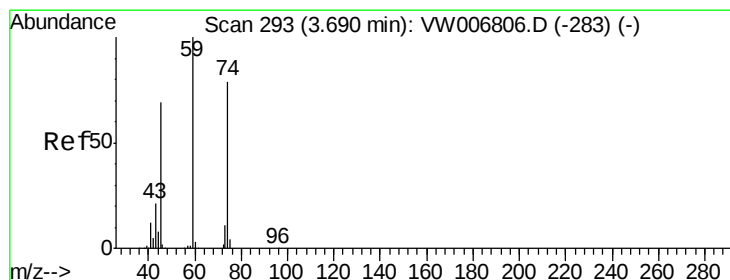
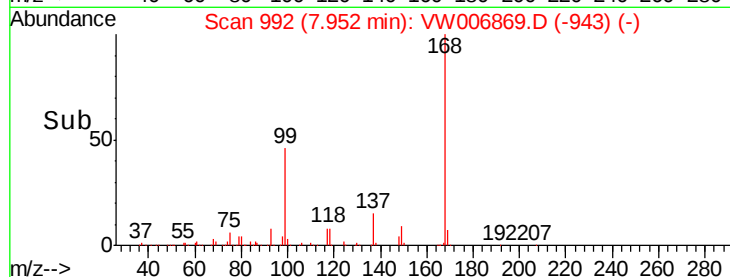
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 2.795 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.00 min

Lab File: VW006869.D

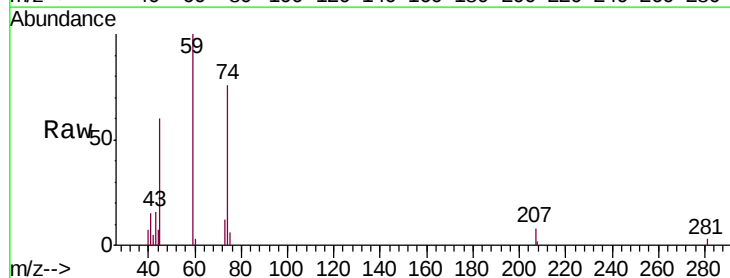
Acq: 13 Nov 2018 21:34

Tgt Ion: 74 Resp: 4601

Ion Ratio Lower Upper

74 100

45 82.1 43.1 129.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.69

2000

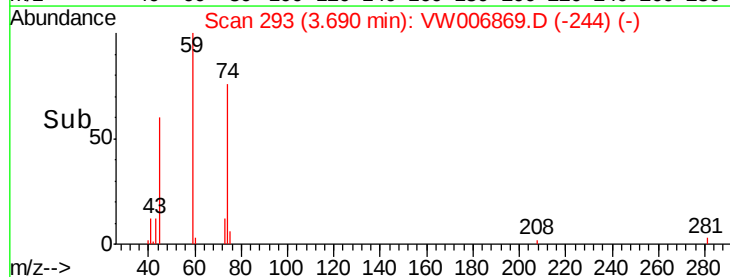
1500

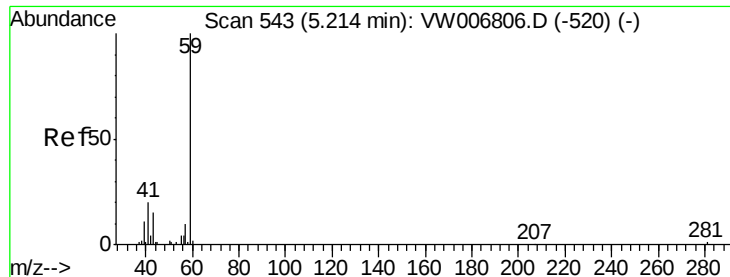
1000

500

0

Time-->

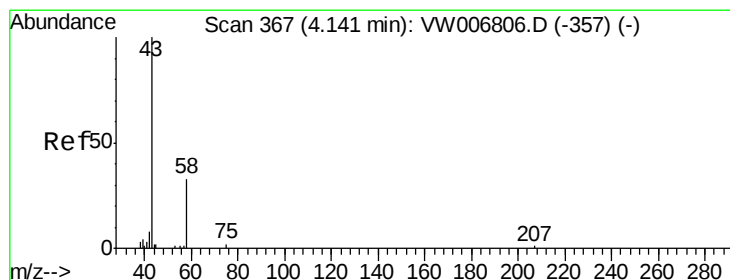
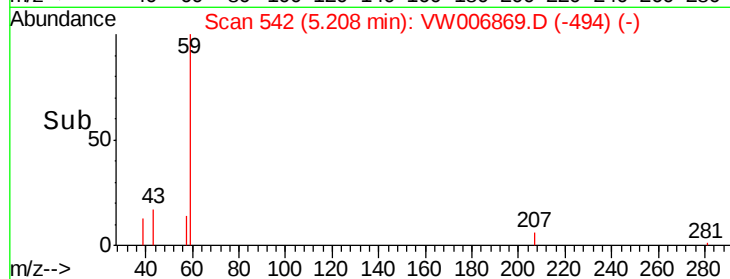
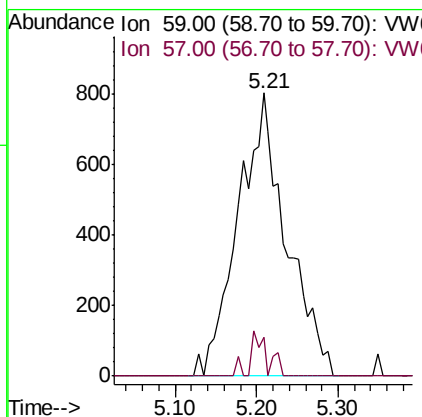
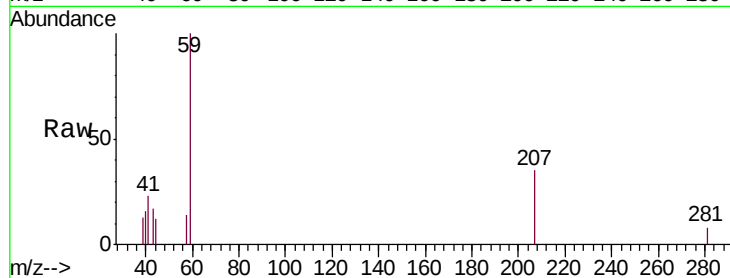




#11
Tert butyl alcohol
Concen: 16.183 ug/l
RT: 5.21 min Scan# 542
Delta R.T. -0.01 min
Lab File: VW006869.D
Acq: 13 Nov 2018 21:34

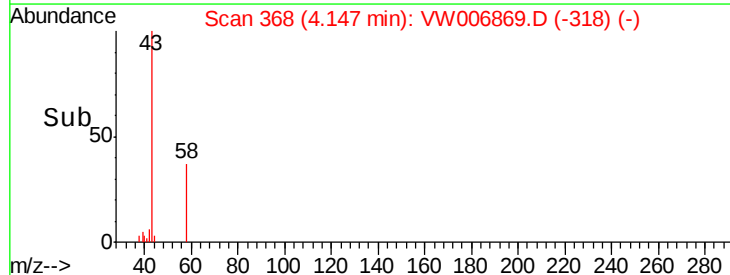
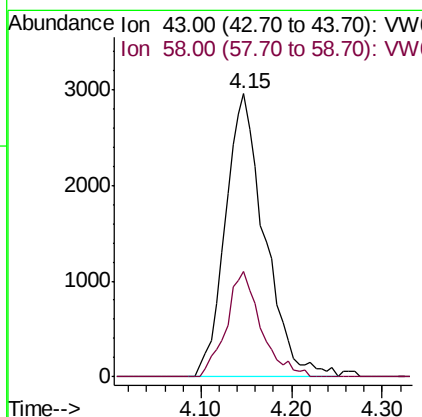
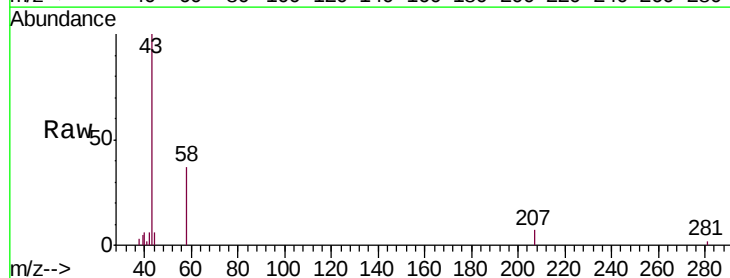
Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-110(14-16)

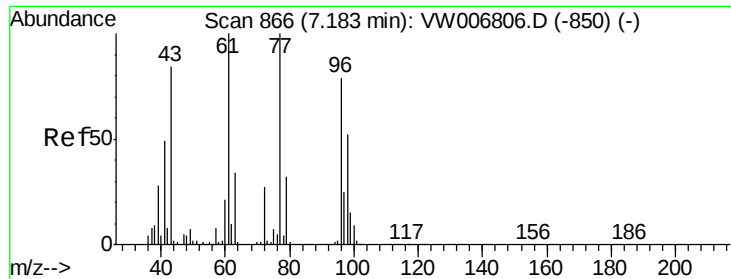
Tgt Ion: 59 Resp: 3303
Ion Ratio Lower Upper
59 100
57 4.9 8.3 12.5#



#16
Acetone
Concen: 20.043 ug/l
RT: 4.15 min Scan# 368
Delta R.T. 0.01 min
Lab File: VW006869.D
Acq: 13 Nov 2018 21:34

Tgt Ion: 43 Resp: 8950
Ion Ratio Lower Upper
43 100
58 37.3 26.5 39.7





#25

2-Butanone

Concen: 1.185 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW006869.D

Acq: 13 Nov 2018 21:34

Instrument :

MSVOA_W

ClientSampleId :

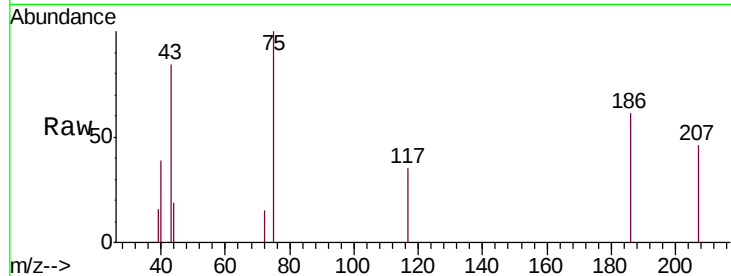
EP2-SB-110(14-16)

Tgt Ion: 43 Resp: 895

Ion Ratio Lower Upper

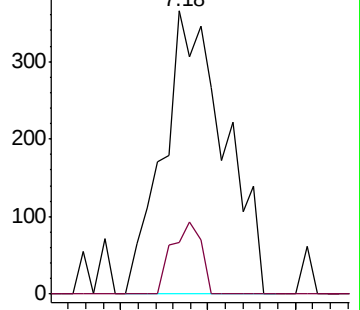
43 100

72 18.4 25.3 37.9#

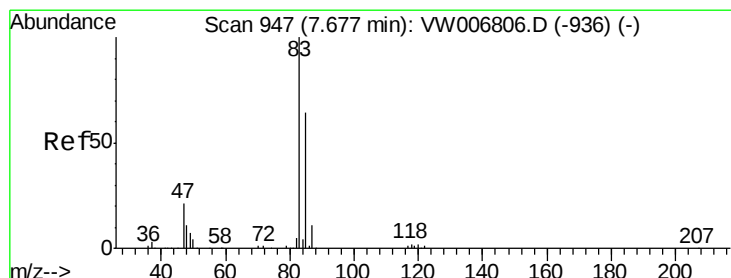
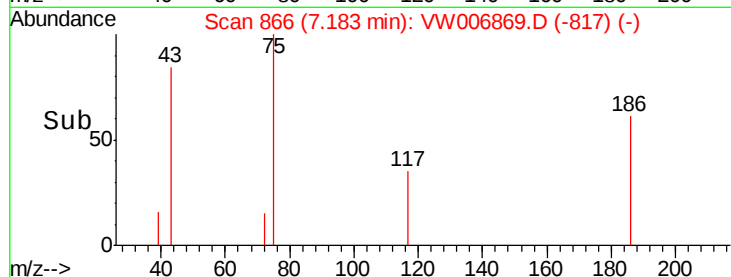


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



Time-->



#30

Chloroform

Concen: 1.516 ug/l

RT: 7.68 min Scan# 948

Delta R.T. 0.01 min

Lab File: VW006869.D

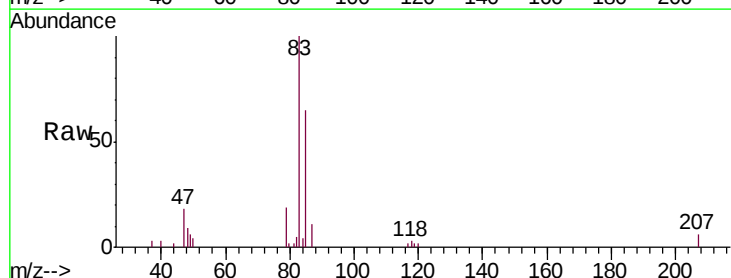
Acq: 13 Nov 2018 21:34

Tgt Ion: 83 Resp: 9633

Ion Ratio Lower Upper

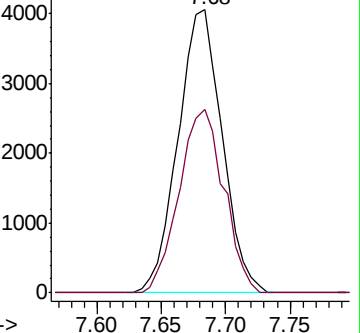
83 100

85 65.0 51.5 77.3

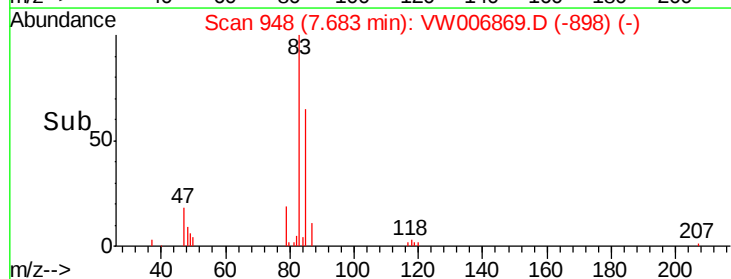


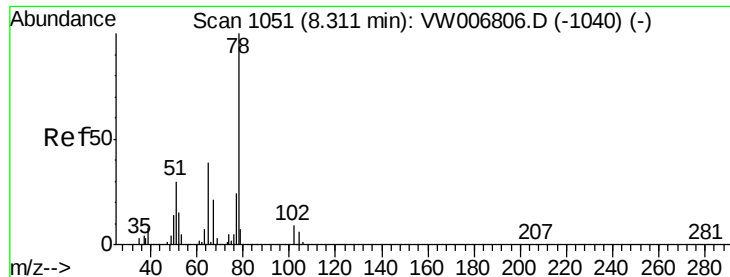
Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW



Time-->

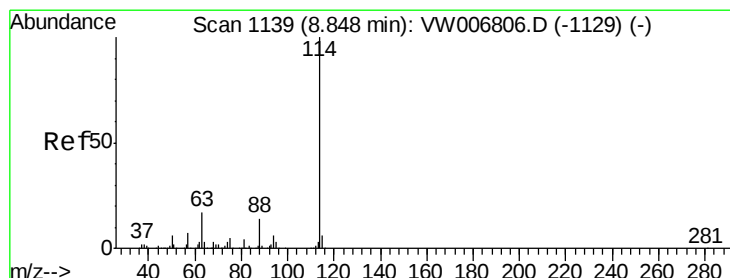
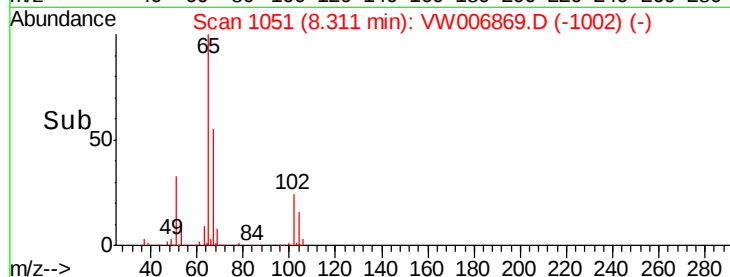
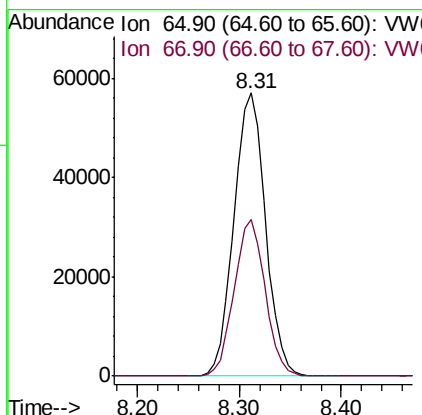
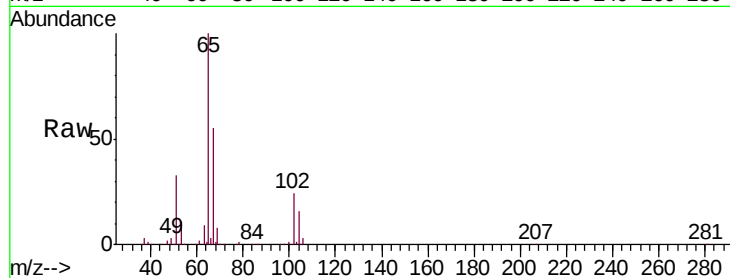




#33
 1,2-Dichloroethane-d4
 Concen: 39.354 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW006869.D
 Acq: 13 Nov 2018 21:34

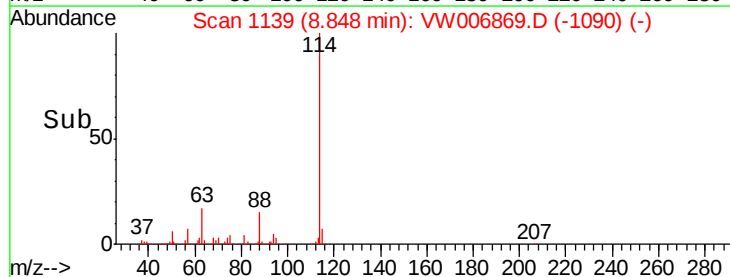
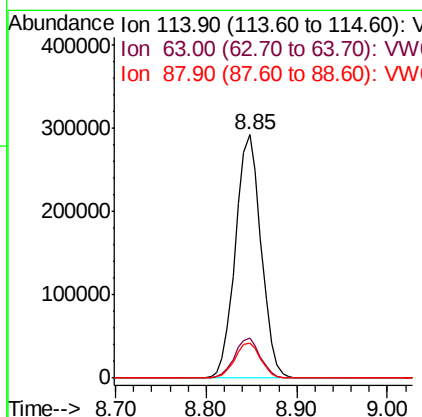
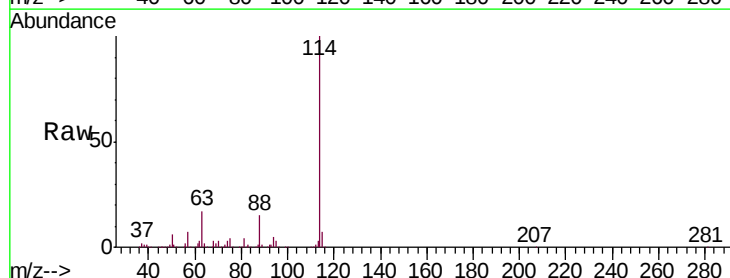
Instrument :
 MSVOA_W
 ClientSampleId :
 EP2-SB-110(14-16)

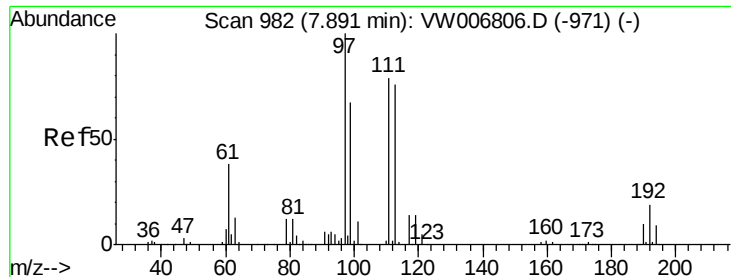
Tgt Ion: 65 Resp: 122365
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006869.D
 Acq: 13 Nov 2018 21:34

Tgt Ion: 114 Resp: 572897
 Ion Ratio Lower Upper
 114 100
 63 16.6 0.0 33.6
 88 14.6 0.0 28.4

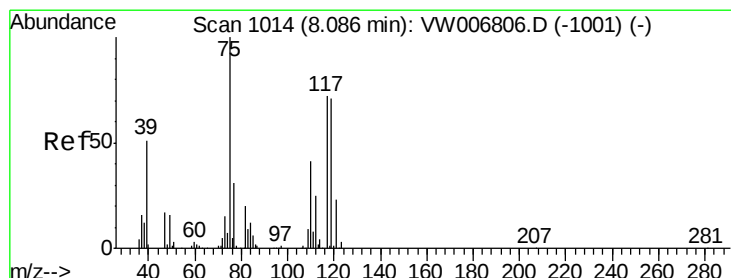
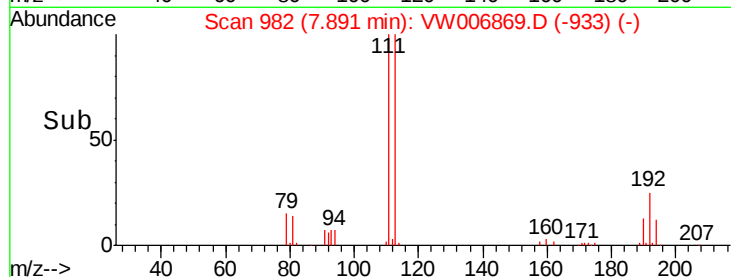
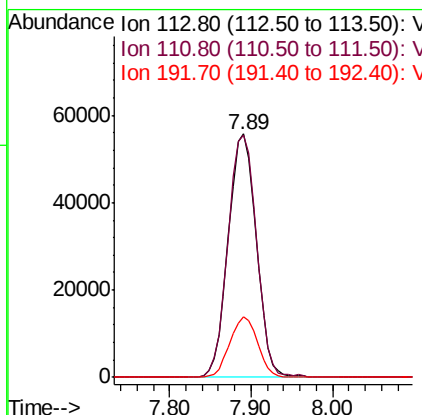
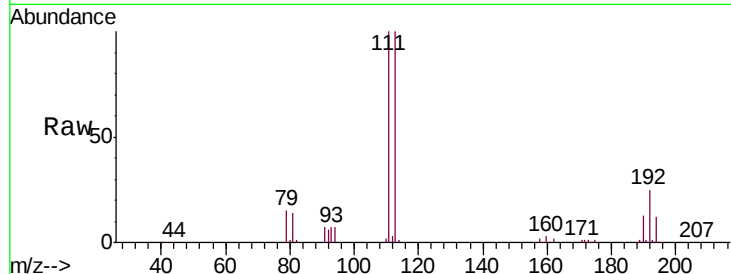




#35
 Dibromofluoromethane
 Concen: 38.883 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW006869.D
 Acq: 13 Nov 2018 21:34

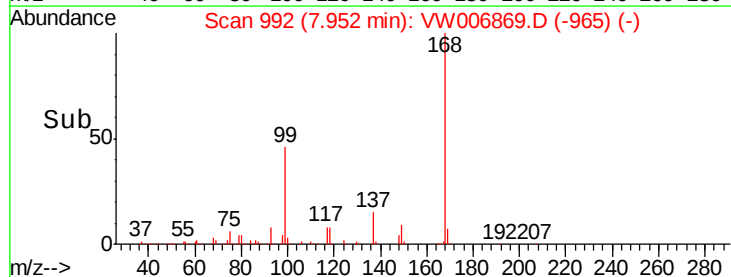
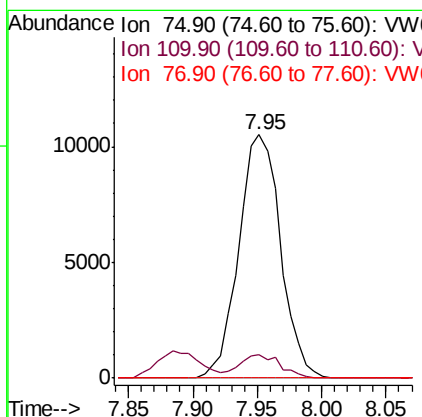
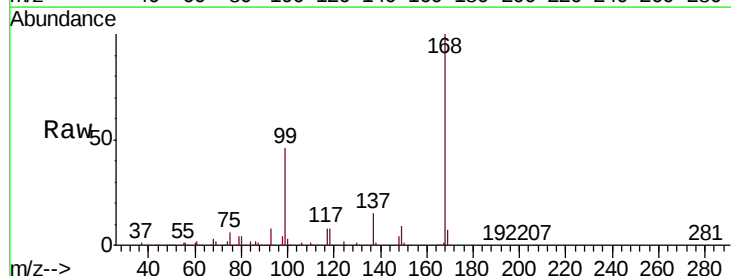
Instrument :
 MSVOA_W
 ClientSampleId :
 EP2-SB-110(14-16)

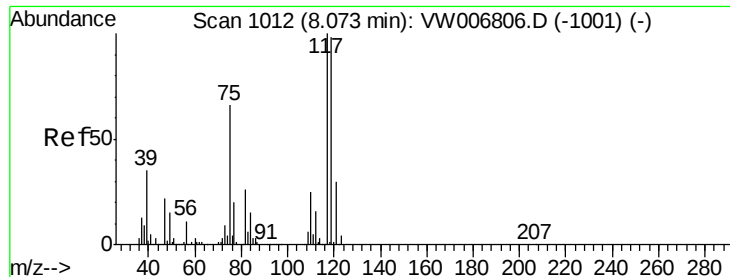
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.0	121.6
192	24.4	19.0	28.6



#36
 1,1-Dichloropropene
 Concen: 4.394 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006869.D
 Acq: 13 Nov 2018 21:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	19.9	59.6#
77	0.0	25.4	38.2#





#38

Carbon Tetrachloride

Concen: 5.876 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW006869.D

Acq: 13 Nov 2018 21:34

Instrument :

MSVOA_W

ClientSampleId :

EP2-SB-110(14-16)

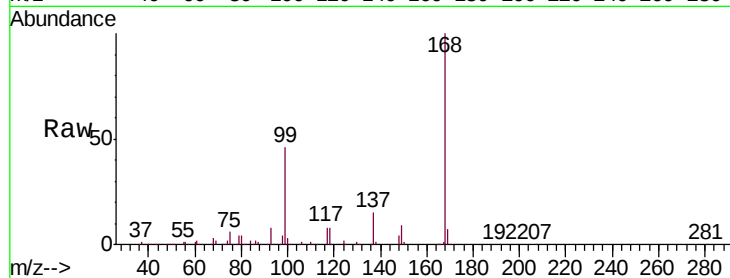
Tgt Ion:117 Resp: 34237

Ion Ratio Lower Upper

117 100

119 4.6 78.5 117.7#

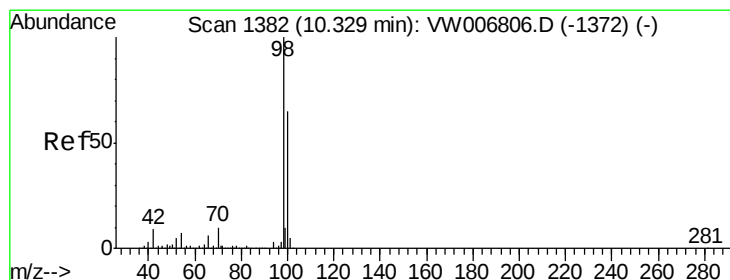
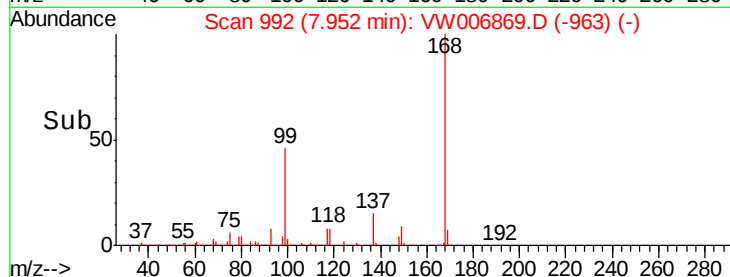
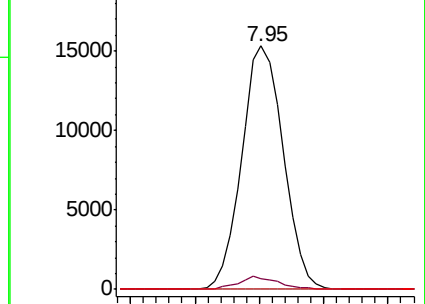
121 0.0 24.2 36.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 39.252 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006869.D

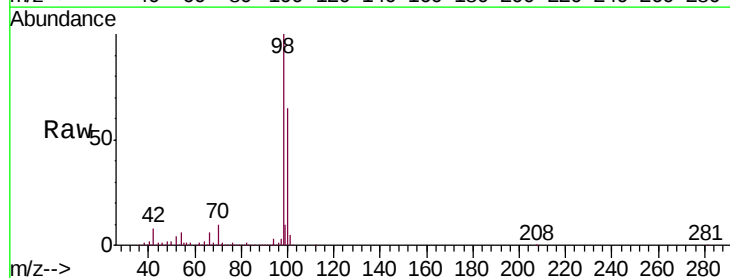
Acq: 13 Nov 2018 21:34

Tgt Ion: 98 Resp: 555015

Ion Ratio Lower Upper

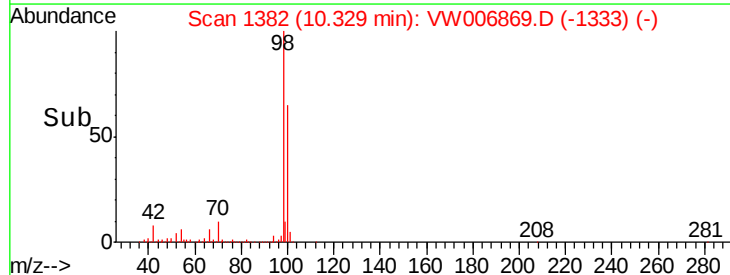
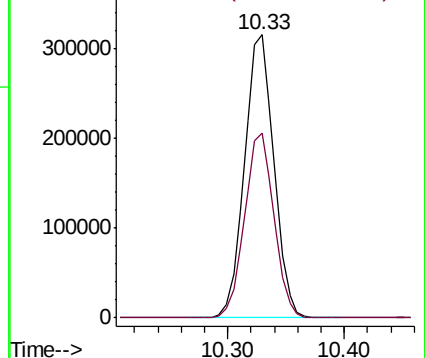
98 100

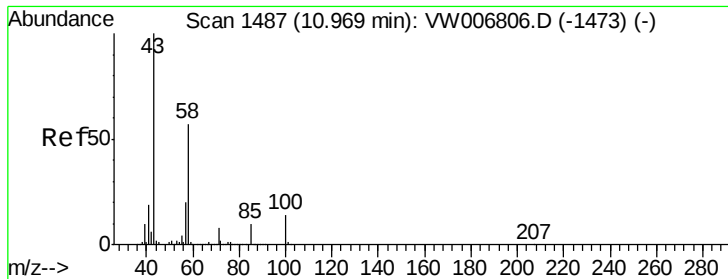
100 65.2 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

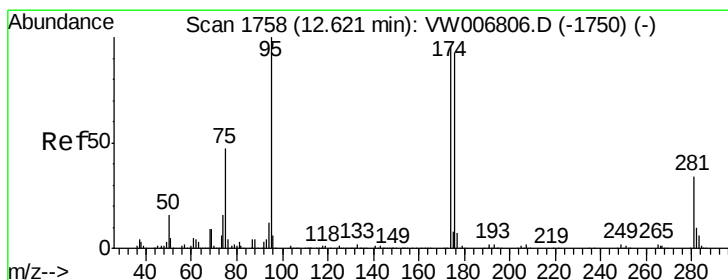
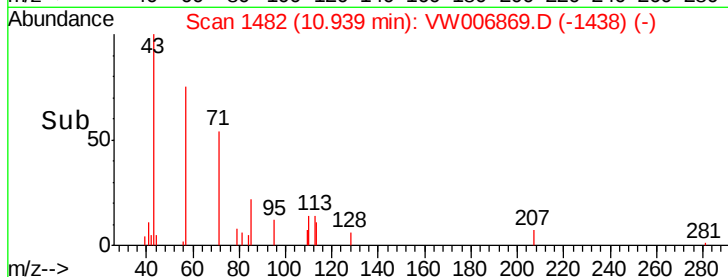
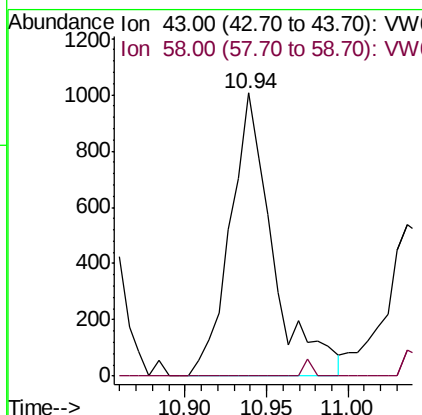
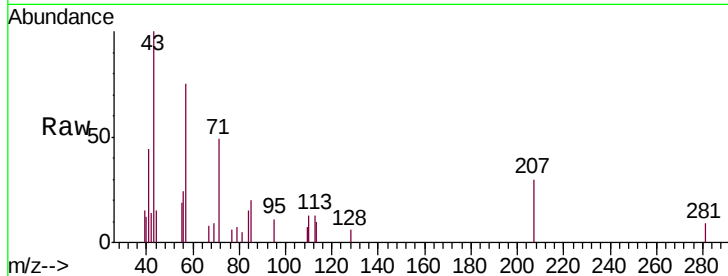




#59
2-Hexanone
Concen: 1.559 ug/l
RT: 10.94 min Scan# 1482
Delta R.T. -0.03 min
Lab File: VW006869.D
Acq: 13 Nov 2018 21:34

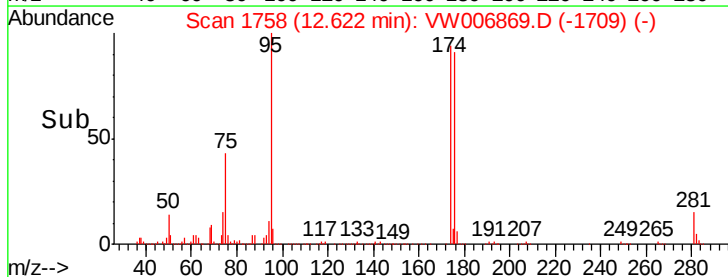
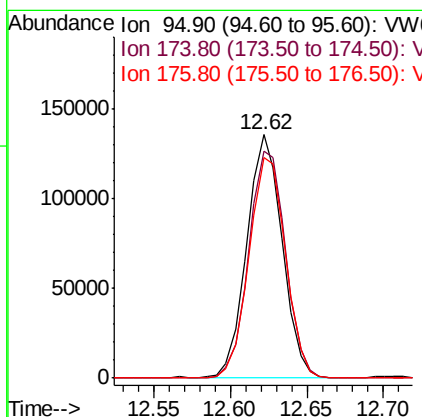
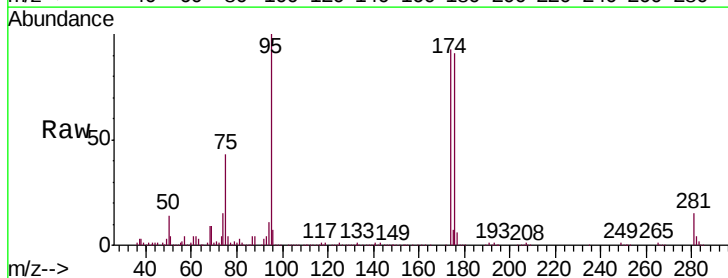
Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-110(14-16)

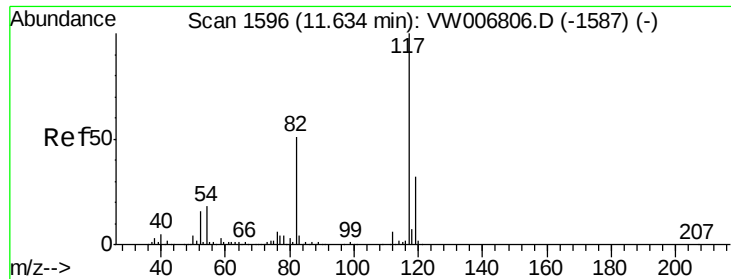
Tgt Ion: 43 Resp: 1838
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 41.787 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW006869.D
Acq: 13 Nov 2018 21:34

Tgt Ion: 95 Resp: 217624
Ion Ratio Lower Upper
95 100
174 97.4 0.0 196.6
176 94.4 0.0 191.6

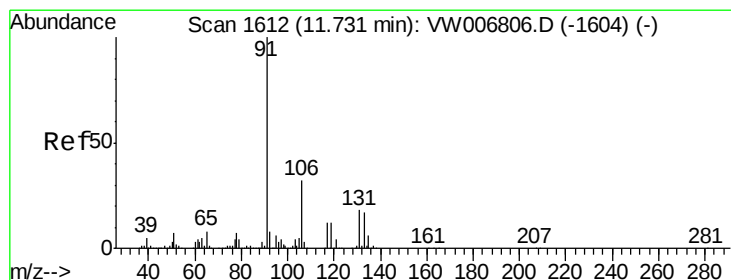
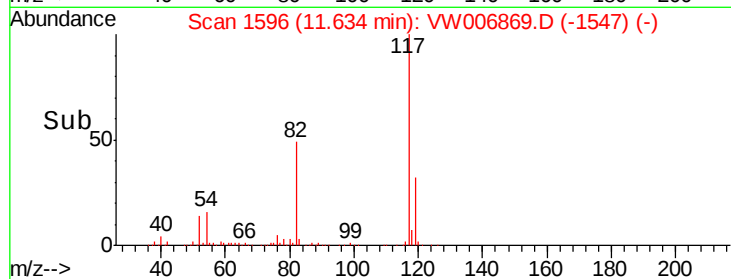
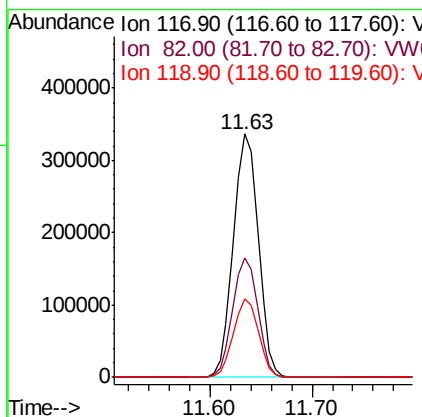
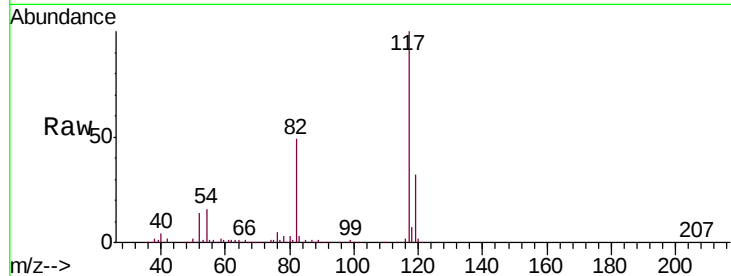




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006869.D
Acq: 13 Nov 2018 21:34

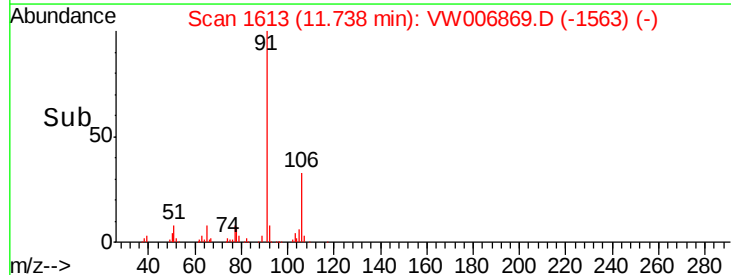
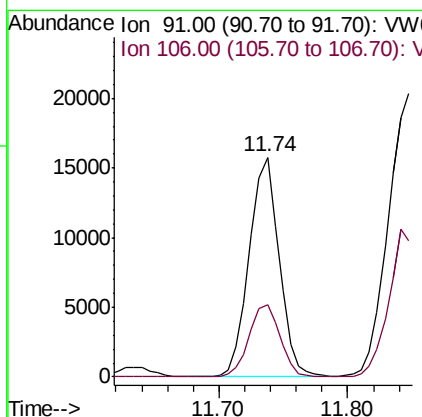
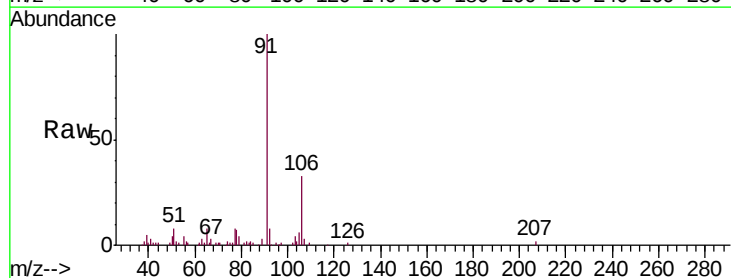
Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-110(14-16)

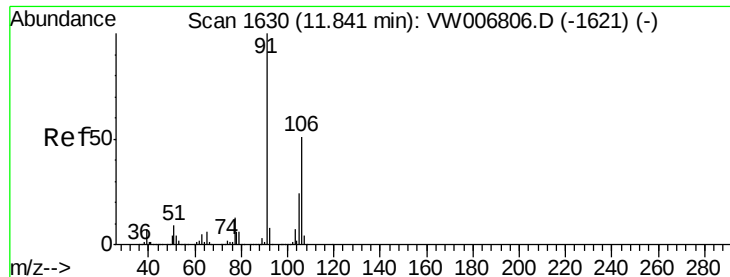
Tgt Ion: 117 Resp: 569680
Ion Ratio Lower Upper
117 100
82 49.2 40.6 61.0
119 32.3 25.5 38.3



#67
Ethyl Benzene
Concen: 1.176 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW006869.D
Acq: 13 Nov 2018 21:34

Tgt Ion: 91 Resp: 25331
Ion Ratio Lower Upper
91 100
106 32.8 25.4 38.0

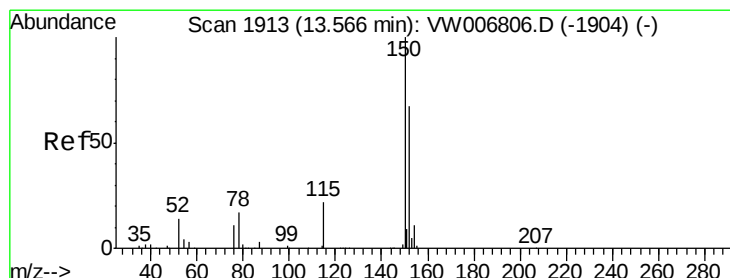
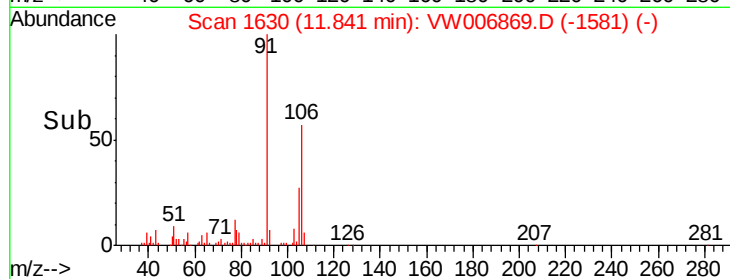
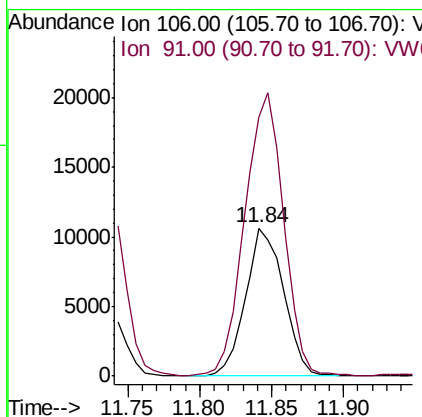
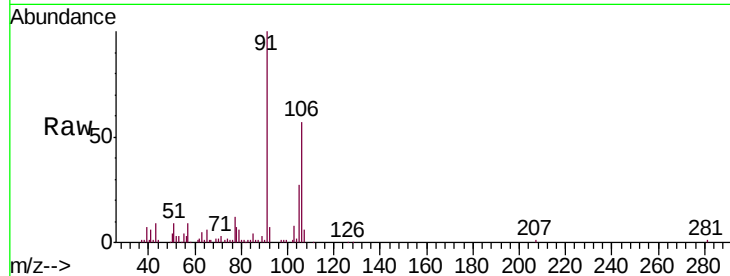




#68
m/p-Xylenes
Concen: 2.203 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW006869.D
Acq: 13 Nov 2018 21:34

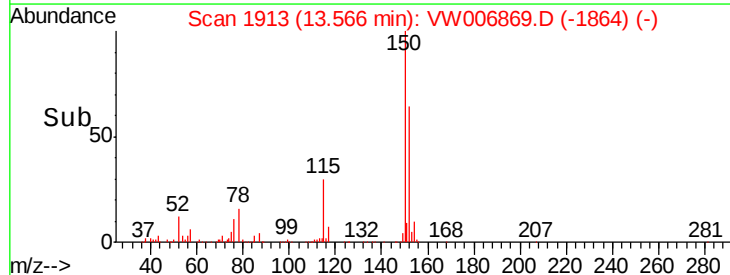
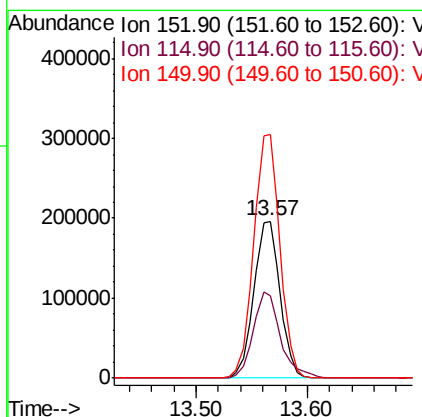
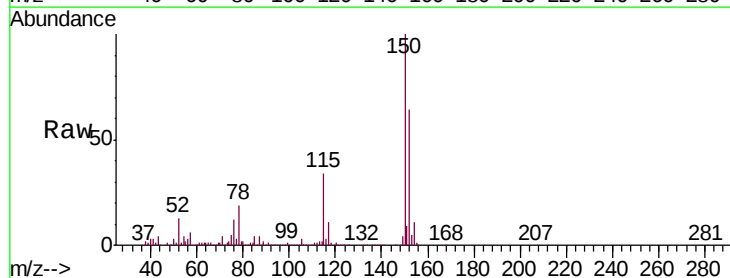
Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-110(14-16)

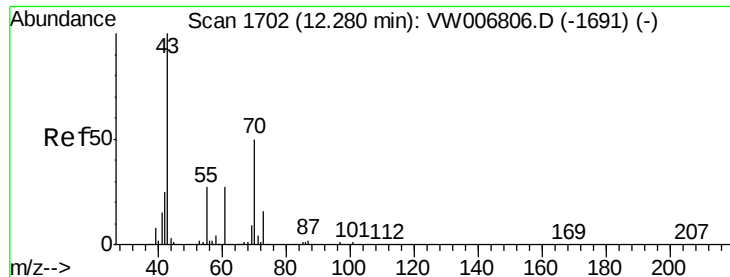
Tgt Ion:106 Resp: 19417
Ion Ratio Lower Upper
106 100
91 196.2 155.7 233.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006869.D
Acq: 13 Nov 2018 21:34

Tgt Ion:152 Resp: 321892
Ion Ratio Lower Upper
152 100
115 57.5 27.3 81.8
150 155.1 0.0 353.0

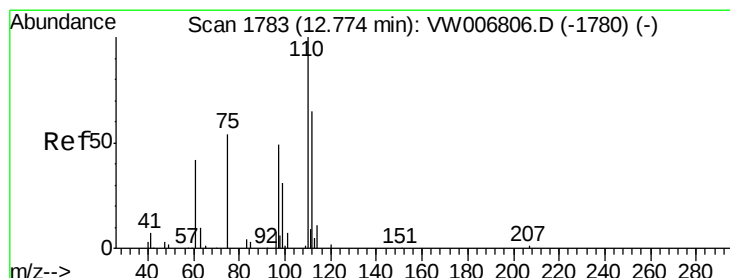
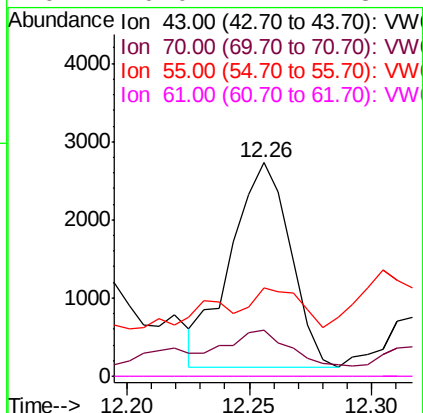
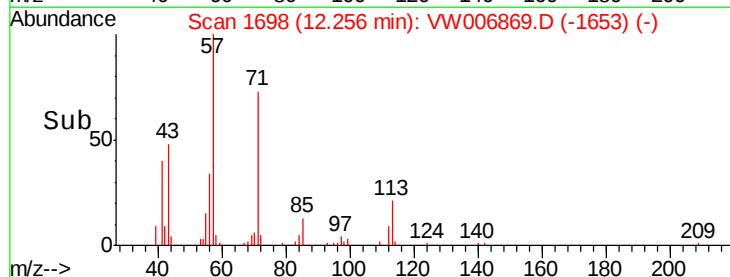
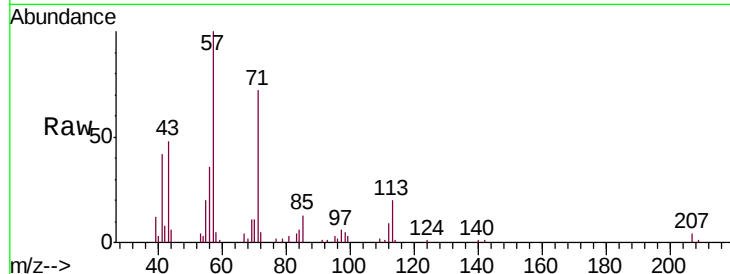




#74
N-amyI acetate
Concen: 1.310 ug/l
RT: 12.26 min Scan# 1698
Delta R.T. -0.02 min
Lab File: VW006869.D
Acq: 13 Nov 2018 21:34

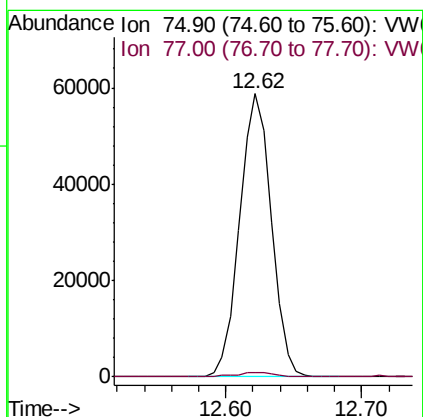
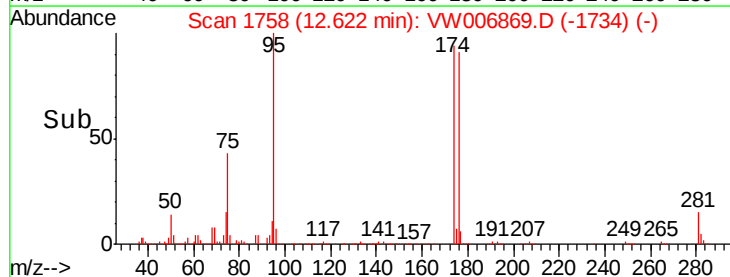
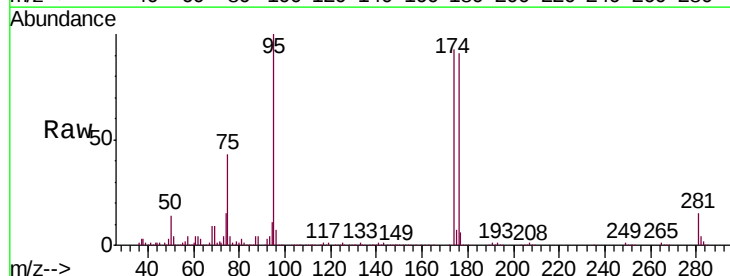
Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-110(14-16)

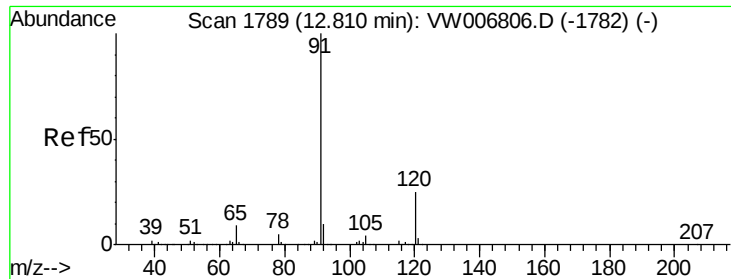
Tgt Ion: 43 Resp: 4425
Ion Ratio Lower Upper
43 100
70 18.6 39.0 58.4#
55 16.0 22.1 33.1#
61 0.0 21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 41.248 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW006869.D
Acq: 13 Nov 2018 21:34

Tgt Ion: 75 Resp: 95685
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#78

n-propylbenzene

Concen: 2.389 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006869.D

Acq: 13 Nov 2018 21:34

Instrument :

MSVOA_W

ClientSampleId :

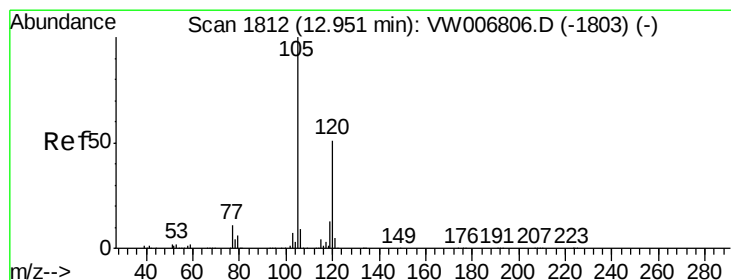
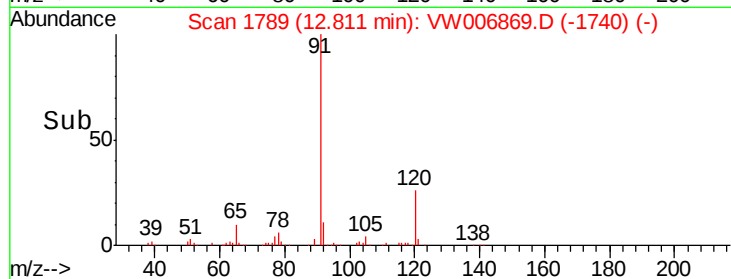
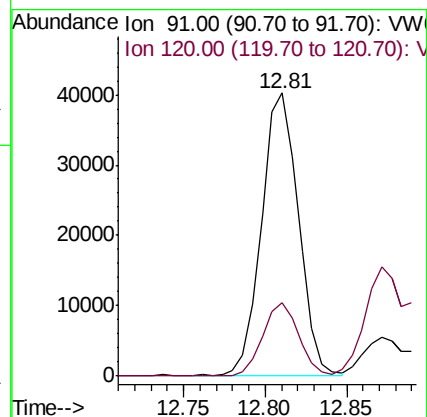
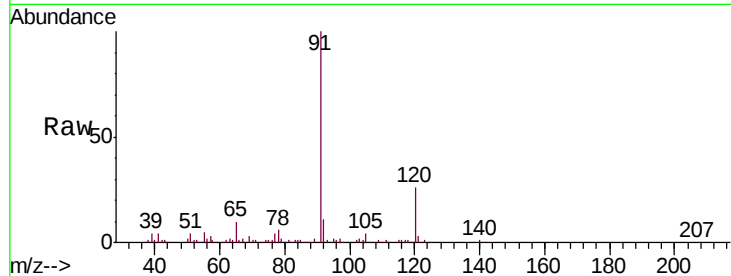
EP2-SB-110(14-16)

Tgt Ion: 91 Resp: 62987

Ion Ratio Lower Upper

91 100

120 25.7 12.4 37.4



#80

1,3,5-Trimethylbenzene

Concen: 8.223 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006869.D

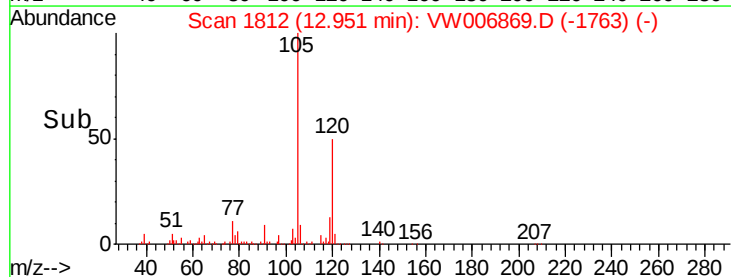
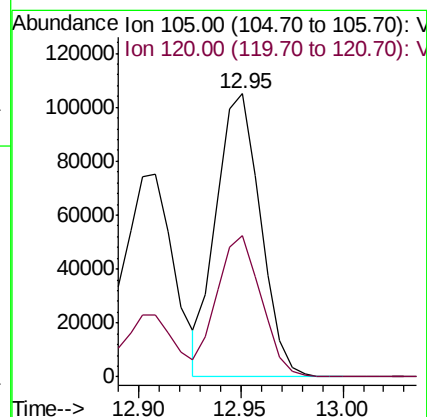
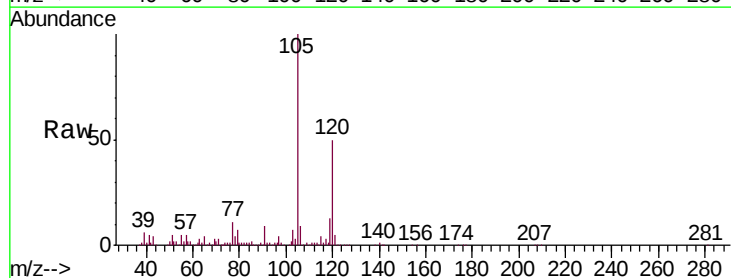
Acq: 13 Nov 2018 21:34

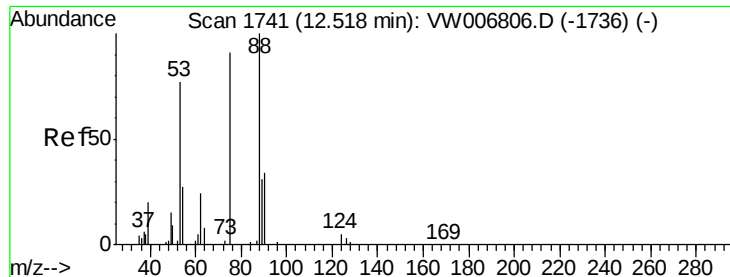
Tgt Ion: 105 Resp: 157957

Ion Ratio Lower Upper

105 100

120 50.1 25.3 75.9





#81

trans-1,4-Dichloro-2-butene

Concen: 102.029 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006869.D

Acq: 13 Nov 2018 21:34

Instrument :

MSVOA_W

ClientSampleId :

EP2-SB-110(14-16)

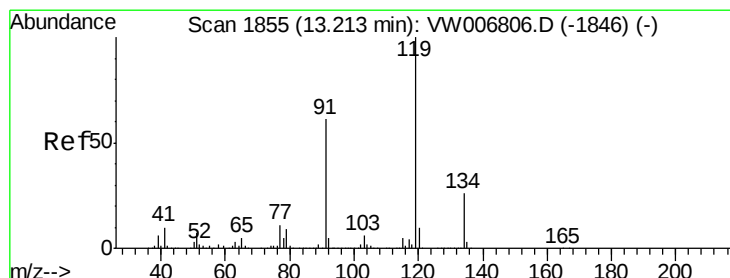
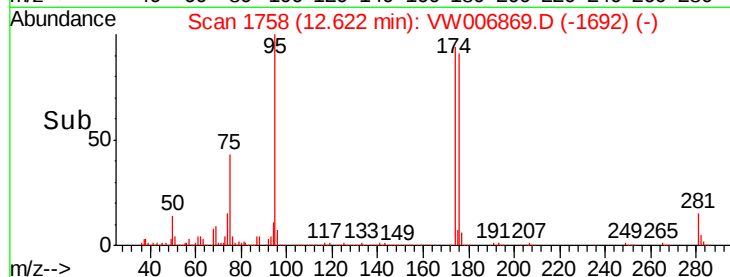
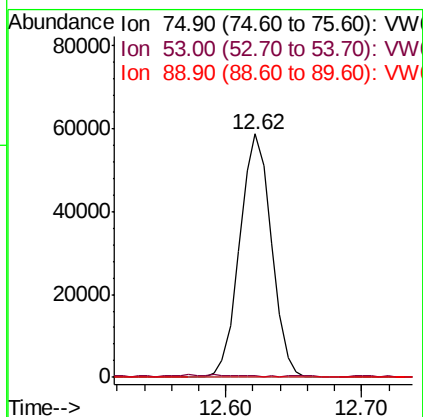
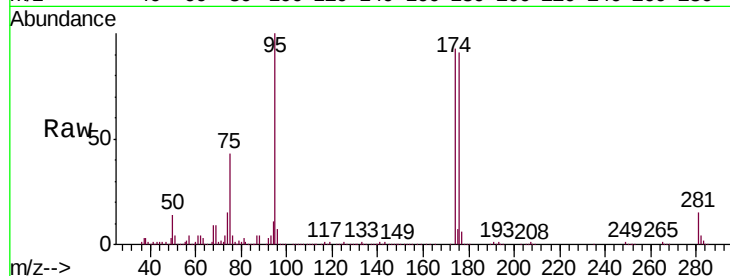
Tgt Ion: 75 Resp: 95685

Ion Ratio Lower Upper

75 100

53 0.0 72.9 109.3#

89 0.0 38.7 58.1#



#83

tert-Butylbenzene

Concen: 6.456 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.04 min

Lab File: VW006869.D

Acq: 13 Nov 2018 21:34

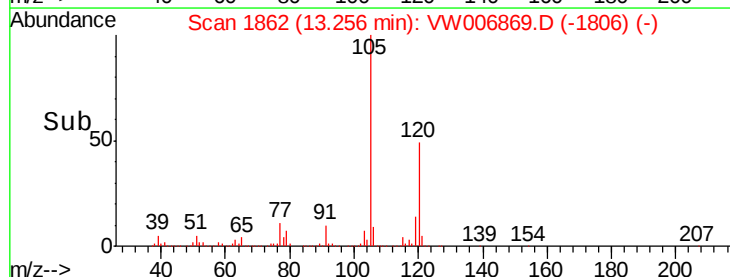
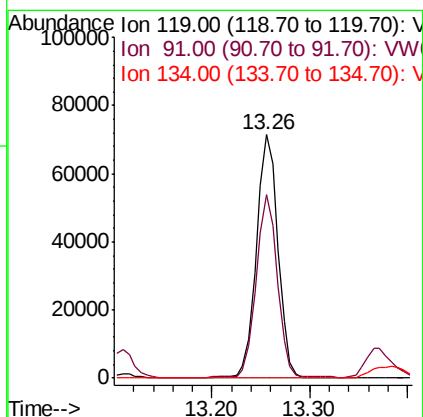
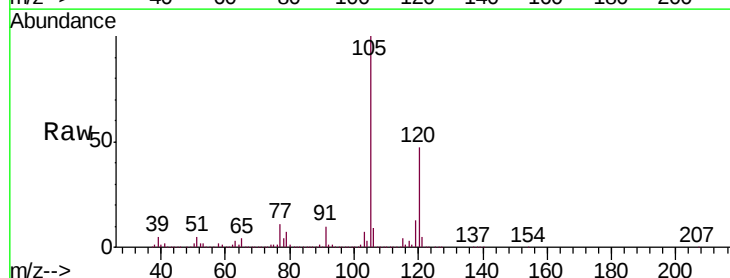
Tgt Ion: 119 Resp: 109621

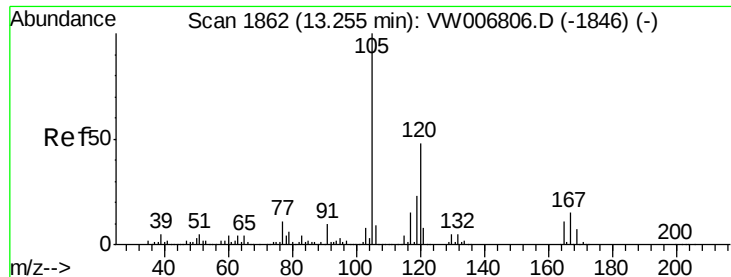
Ion Ratio Lower Upper

119 100

91 73.7 30.0 90.1

134 0.0 13.4 40.2#

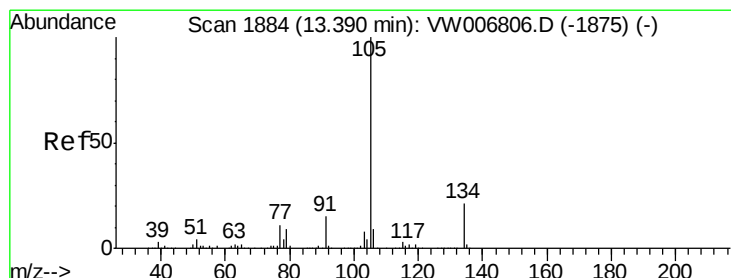
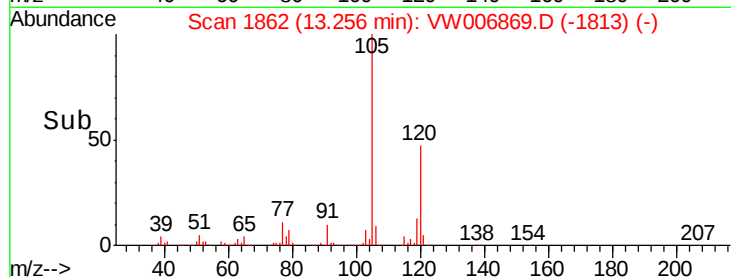
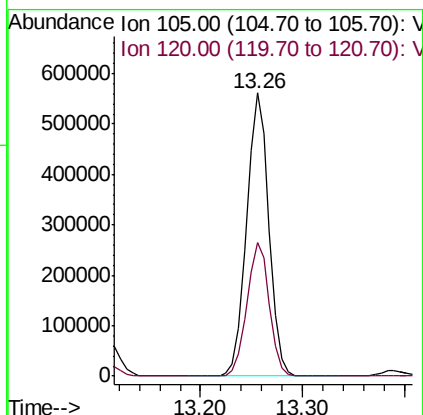
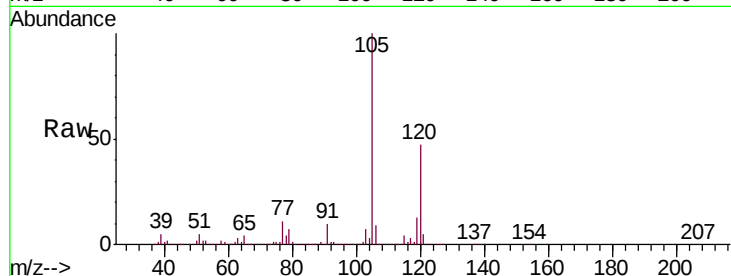




#84
1,2,4-Trimethylbenzene
Concen: 43.367 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW006869.D
Acq: 13 Nov 2018 21:34

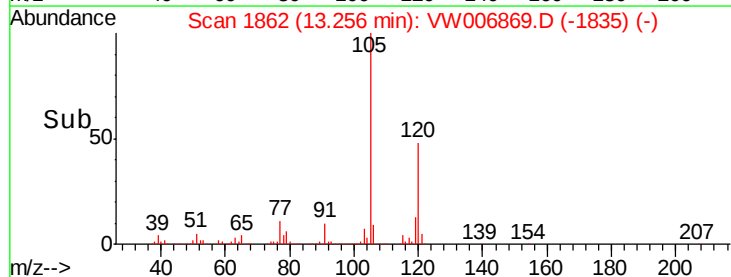
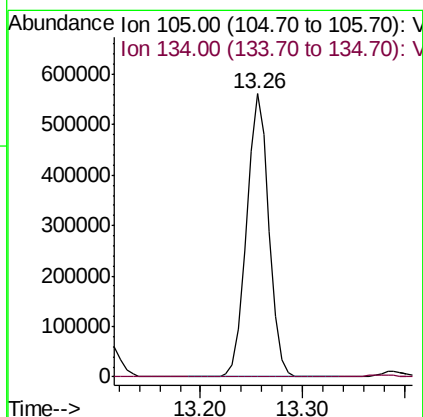
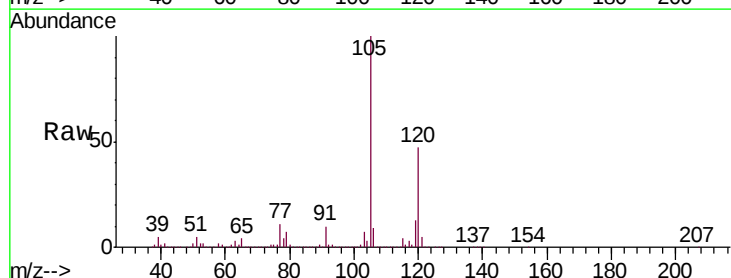
Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-110(14-16)

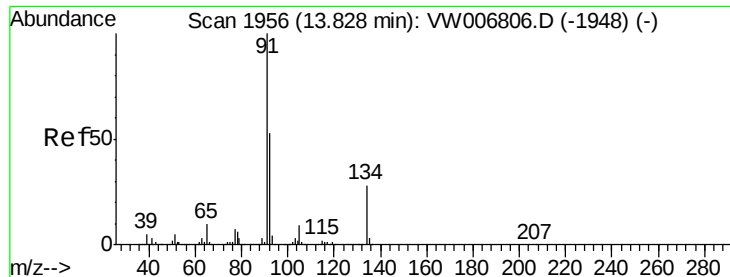
Tgt Ion:105 Resp: 847714
Ion Ratio Lower Upper
105 100
120 47.7 23.4 70.0



#85
sec-Butylbenzene
Concen: 35.234 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.13 min
Lab File: VW006869.D
Acq: 13 Nov 2018 21:34

Tgt Ion:105 Resp: 847714
Ion Ratio Lower Upper
105 100
134 0.0 10.7 31.9#





#89

n-Butylbenzene

Concen: 3.250 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006869.D

Acq: 13 Nov 2018 21:34

Instrument :

MSVOA_W

ClientSampleId :

EP2-SB-110(14-16)

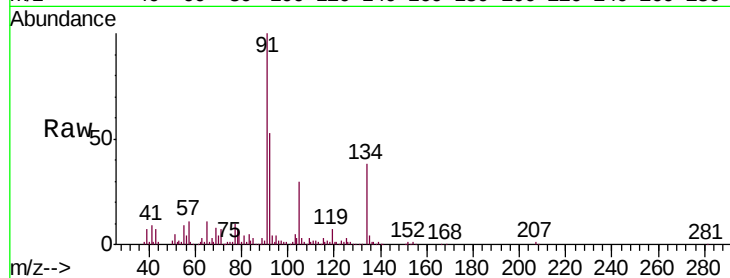
Tgt Ion: 91 Resp: 65007

Ion Ratio Lower Upper

91 100

92 63.7 26.5 79.4

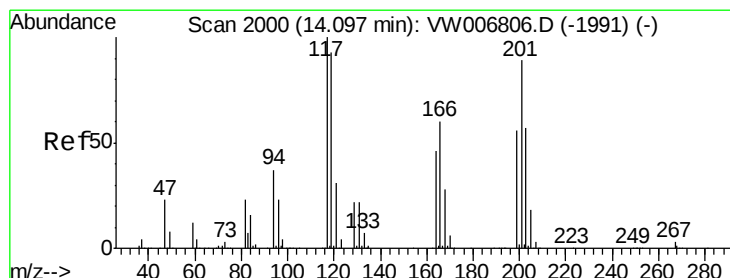
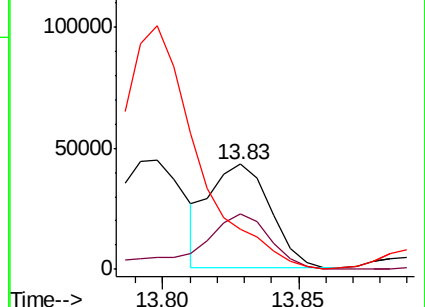
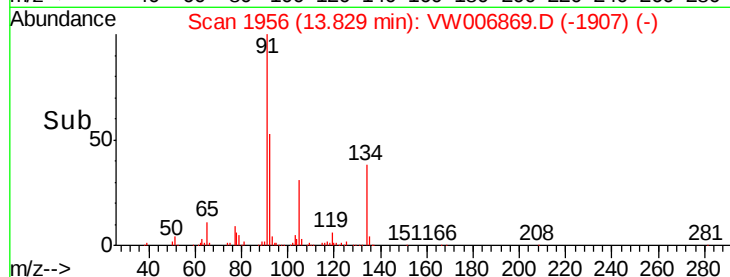
134 0.0 14.4 43.2#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 16.103 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW006869.D

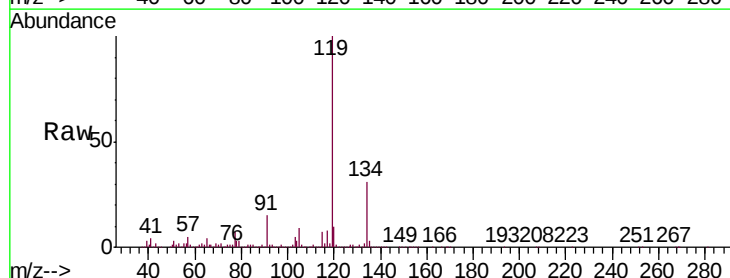
Acq: 13 Nov 2018 21:34

Tgt Ion: 117 Resp: 56387

Ion Ratio Lower Upper

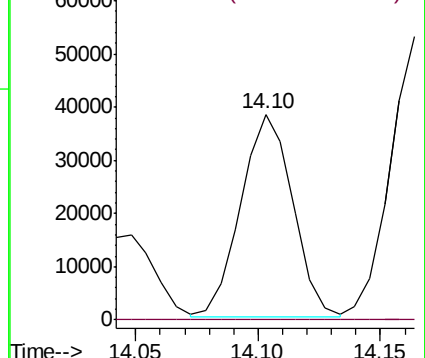
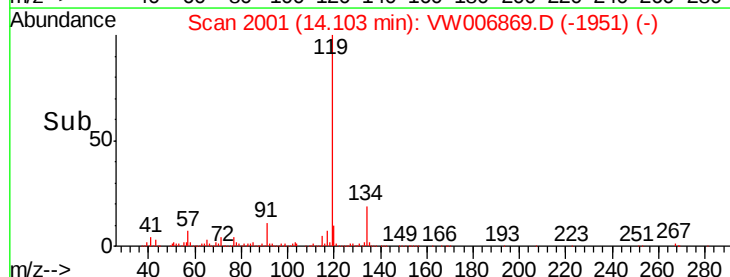
117 100

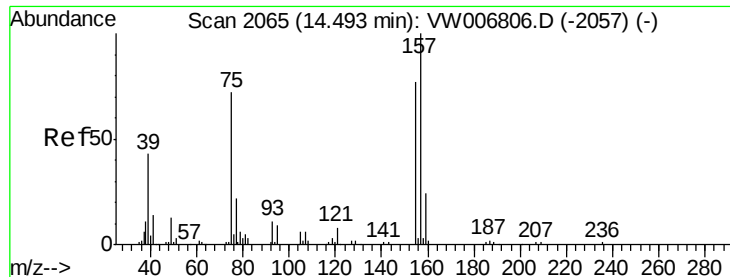
201 0.0 46.9 140.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

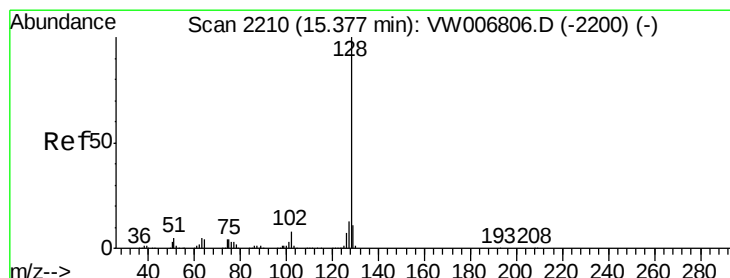
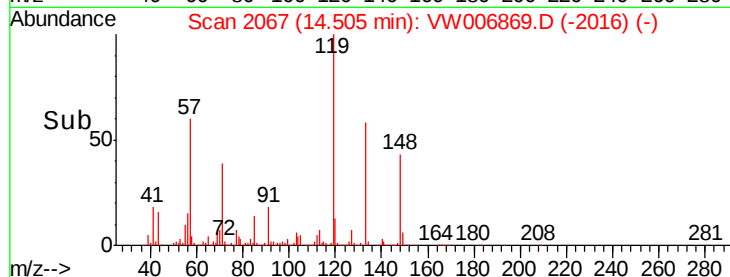
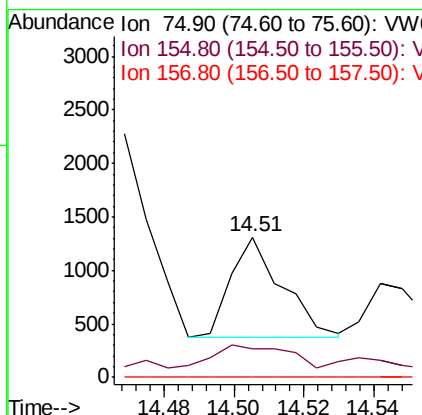
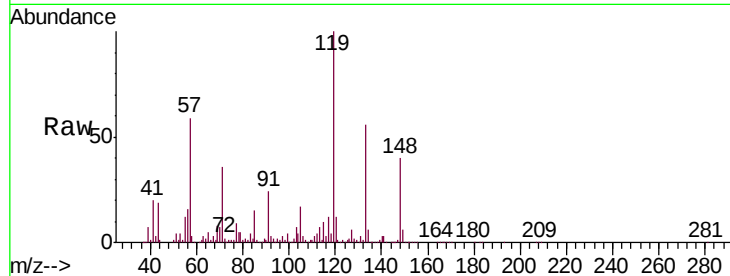




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.956 ug/l
 RT: 14.51 min Scan# 2067
 Delta R.T. 0.01 min
 Lab File: VW006869.D
 Acq: 13 Nov 2018 21:34

Instrument :
 MSVOA_W
 ClientSampleId :
 EP2-SB-110(14-16)

Tgt Ion: 75 Resp: 968
 Ion Ratio Lower Upper
 75 100
 155 31.9 51.0 153.1#
 157 0.0 67.4 202.2#



#95
 Naphthalene
 Concen: 67.783 ug/l
 RT: 15.38 min Scan# 2210
 Delta R.T. 0.00 min
 Lab File: VW006869.D
 Acq: 13 Nov 2018 21:34

Tgt Ion: 128 Resp: 765256
 Ion Ratio Lower Upper
 128 100
 127 15.0 10.3 15.5
 129 11.4 8.6 13.0

