

Data File : VW005110.D
Acq On : 05 Sep 2018 05:59
Operator : SY/AP
Sample : J4693-02
Misc : 5.92G/5ML/MSVOA_W/SOIL
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EP1-MW-E(10-15)

Quant Time: Sep 05 07:46:02 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
Quant Title : SW846 8260
QLast Update : Sat Sep 01 03:35:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	418102	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	707911	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	719987	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	376200	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	188505	54.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.78%	
35) Dibromofluoromethane	7.89	113	188043	45.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.94%	
50) Toluene-d8	10.33	98	717038	38.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.08%	
62) 4-Bromofluorobenzene	12.62	95	397818	59.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.70%	

Target Compounds						Qvalue
5) Bromomethane	2.78	94	305	Below Cal	#	80
10) Methyl Iodide	4.28	142	366	3.880	ug/l #	59
11) Tert butyl alcohol	5.15	59	1132	Below Cal	#	72
16) Acetone	4.13	43	42369	60.956	ug/l	95
17) Carbon Disulfide	4.39	76	71896	6.103	ug/l	99
18) Methyl Acetate	4.68	43	5048	2.469	ug/l	95
25) 2-Butanone	7.18	43	13127	10.888	ug/l	97
29) Tetrahydrofuran	7.55	42	672	1.091	ug/l #	65
31) Cyclohexane	7.95	56	7306	1.073	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	27432	4.069	ug/l #	48
37) Ethyl Acetate	7.18	43	13127	5.206	ug/l #	68
38) Carbon Tetrachloride	7.95	117	37564	5.860	ug/l #	16
55) 1,1,2-Trichloroethane	10.77	97	31827	8.526	ug/l #	26
56) Ethyl methacrylate	10.66	69	16409	3.853	ug/l #	17
59) 2-Hexanone	10.94	43	206504	99.291	ug/l #	27
74) N-amyl acetate	12.26	43	1061474	232.399	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	12.70	83	130125	32.224	ug/l #	25
76) 1,2,3-Trichloropropane	12.62	75	132604	46.959	ug/l #	100
78) n-propylbenzene	12.81	91	91393	2.854	ug/l	86
79) 2-Chlorotoluene	12.95	91	46356	2.481	ug/l	80
80) 1,3,5-Trimethylbenzene	12.95	105	211234	9.208	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.62	75	132604	113.024	ug/l #	30
82) 4-Chlorotoluene	12.95	91	46314	2.348	ug/l	81
83) tert-Butylbenzene	13.21	119	117113	6.113	ug/l	90
84) 1,2,4-Trimethylbenzene	13.26	105	3367887	144.161	ug/l	99
85) sec-Butylbenzene	13.26	105	3367887	119.629	ug/l #	56
86) p-Isopropyltoluene	13.51	119	332496	13.342	ug/l	98
89) n-Butylbenzene	13.80	91	154694	6.698	ug/l #	1
90) Hexachloroethane	14.10	117	165242	39.918	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2169	3.437	ug/l #	1
95) Naphthalene	15.38	128	26633	5.787	ug/l	97

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

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Misc      : 5.92G/5ML/MSVOA_W/SOIL
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ALS Vial      : 39      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
EP1-MW-E(10-15)

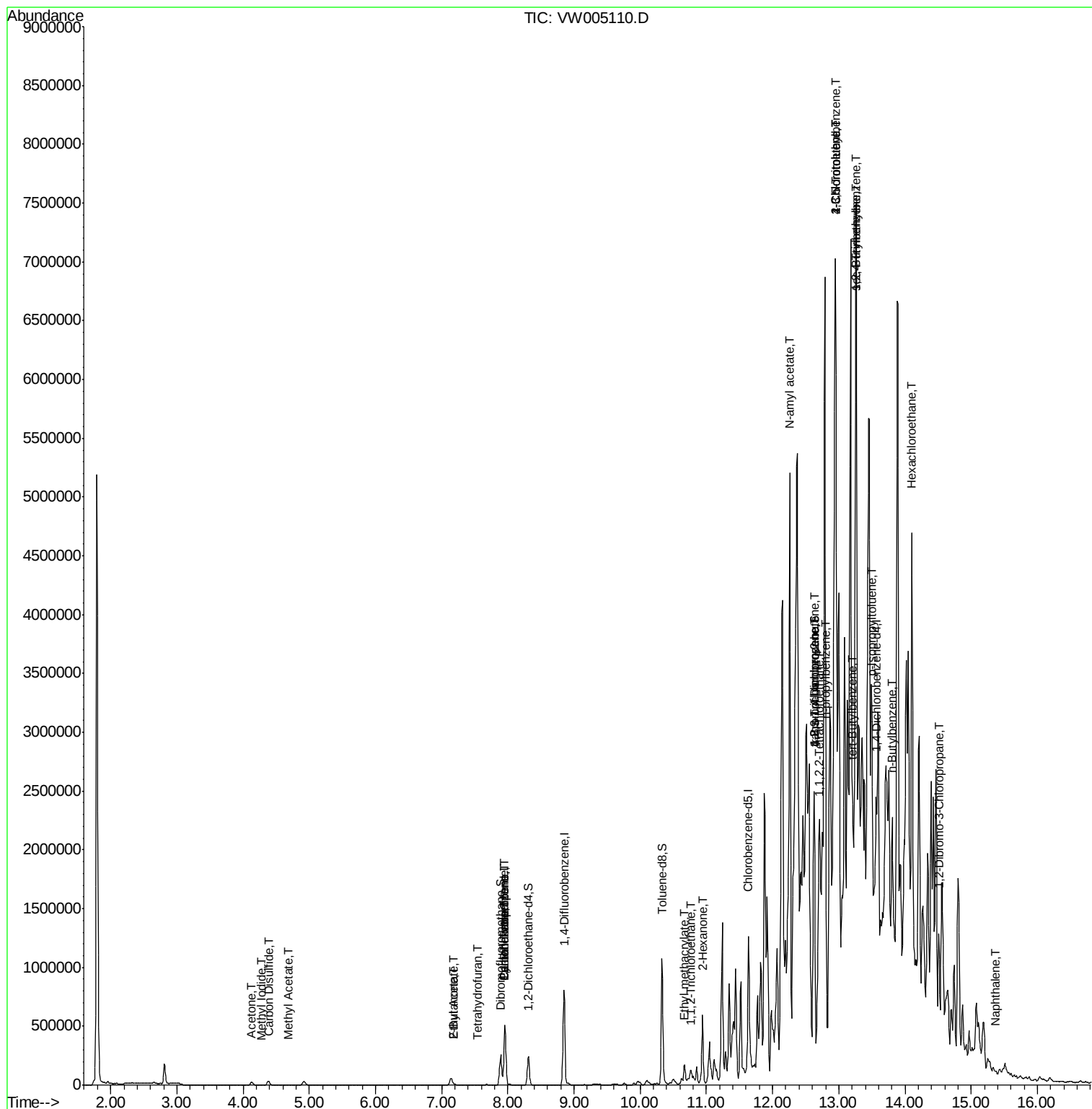
Quant Time: Sep 05 07:46:02 2018

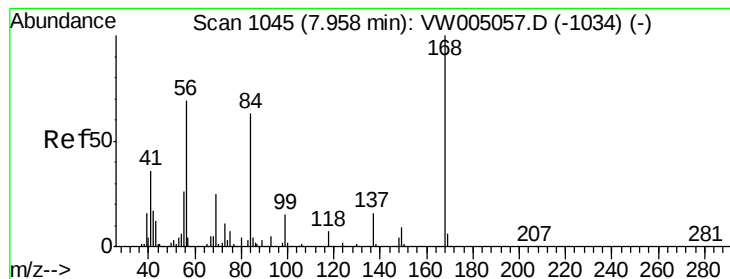
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_W\METHOD\82W090118S.M

Quant Title : SW846 8260

QLast Update : Sat Sep 01 03:35:05 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW005110.D

Acq: 05 Sep 2018 05:59

Instrument :

MSVOA_W

ClientSampleId :

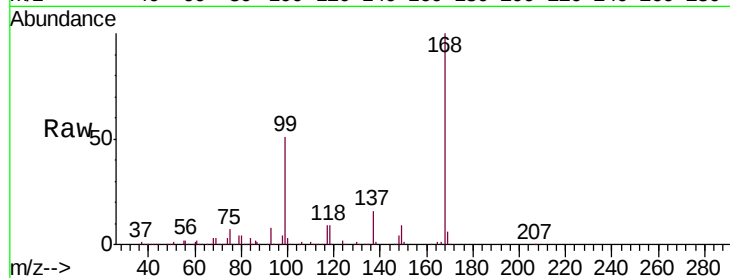
EP1-MW-E(10-15)

Tgt Ion:168 Resp: 418102

Ion Ratio Lower Upper

168 100

99 50.7 39.4 59.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

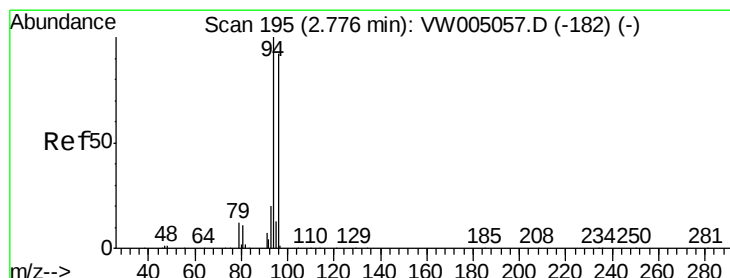
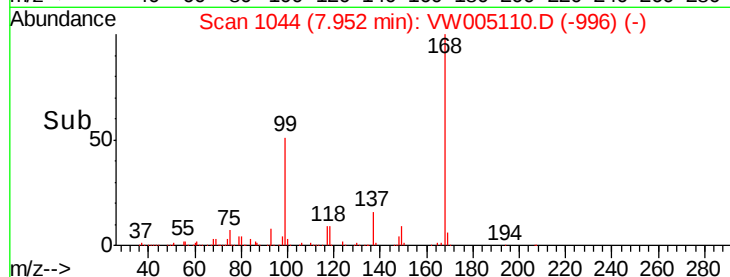
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 195

Delta R.T. 0.00 min

Lab File: VW005110.D

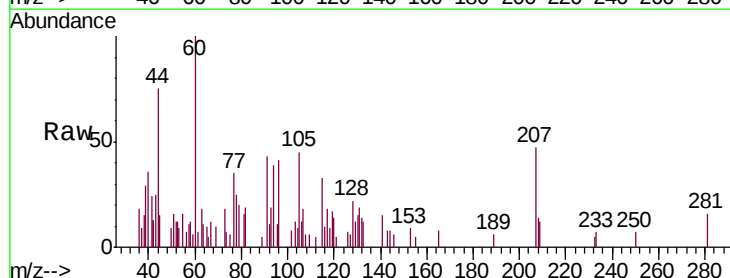
Acq: 05 Sep 2018 05:59

Tgt Ion: 94 Resp: 305

Ion Ratio Lower Upper

94 100

96 110.8 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.78

400

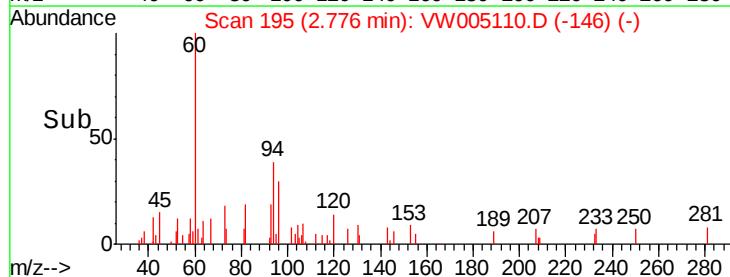
300

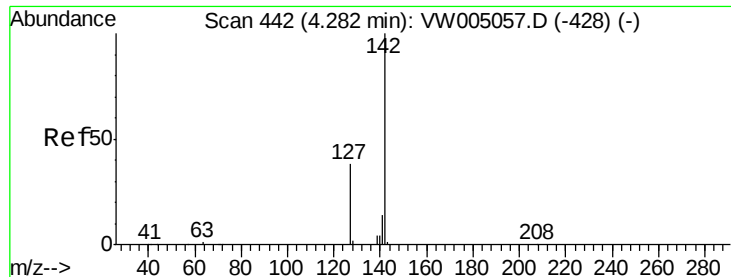
200

100

0

Time--> 2.74 2.76 2.78 2.80

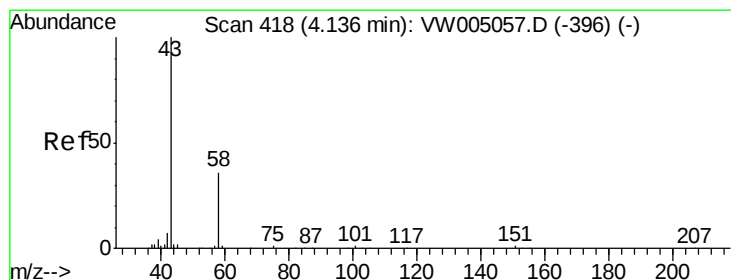
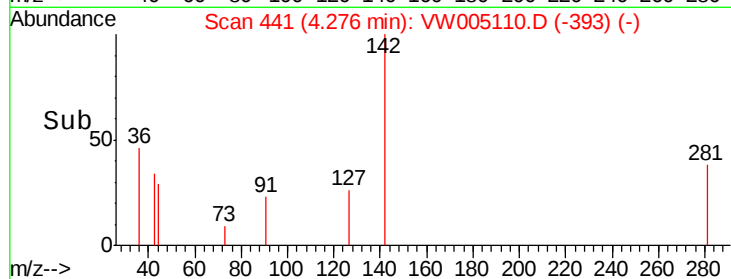
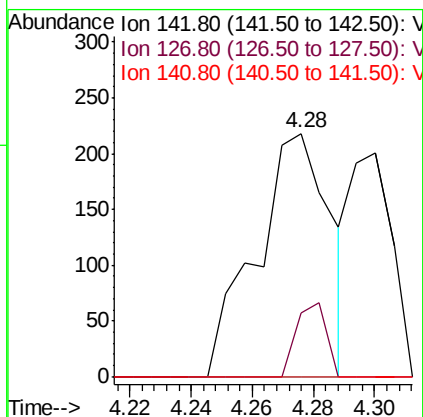
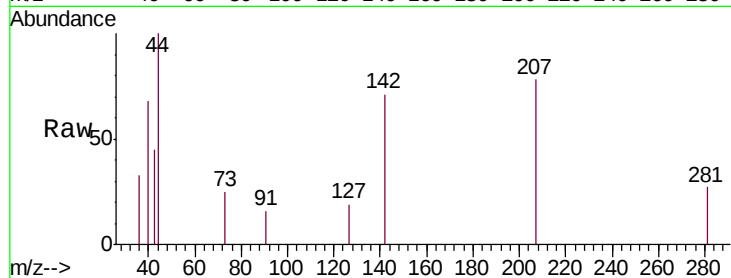




#10
Methyl Iodide
Concen: 3.880 ug/l
RT: 4.28 min Scan# 441
Delta R.T. -0.01 min
Lab File: VW005110.D
Acq: 05 Sep 2018 05:59

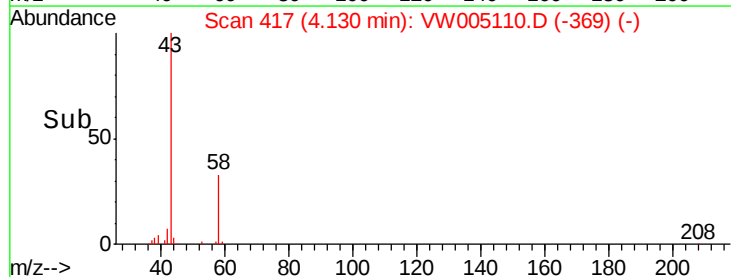
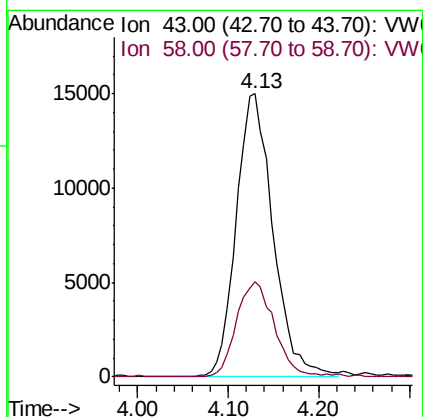
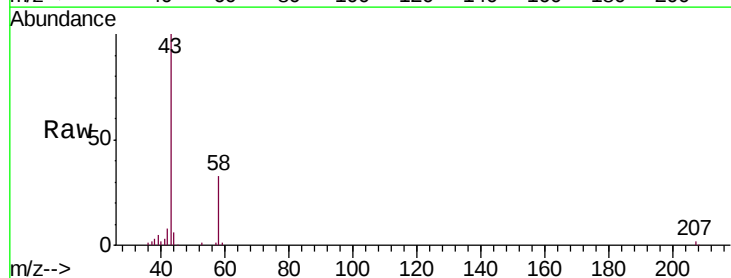
Instrument :
MSVOA_W
ClientSampleId :
EP1-MW-E(10-15)

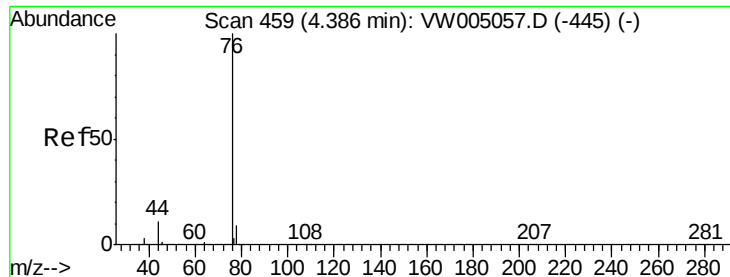
Tgt Ion:142 Resp: 366
Ion Ratio Lower Upper
142 100
127 12.3 30.8 46.2#
141 0.0 11.6 17.4#



#16
Acetone
Concen: 60.956 ug/l
RT: 4.13 min Scan# 417
Delta R.T. -0.01 min
Lab File: VW005110.D
Acq: 05 Sep 2018 05:59

Tgt Ion: 43 Resp: 42369
Ion Ratio Lower Upper
43 100
58 33.5 29.0 43.6

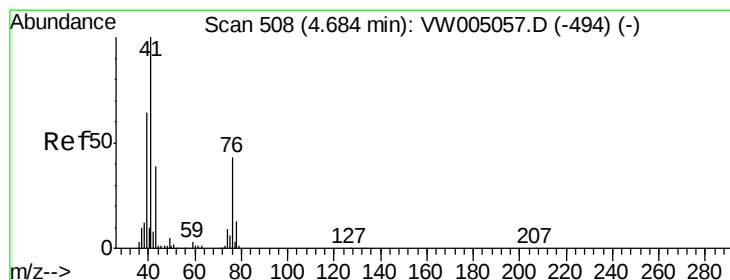
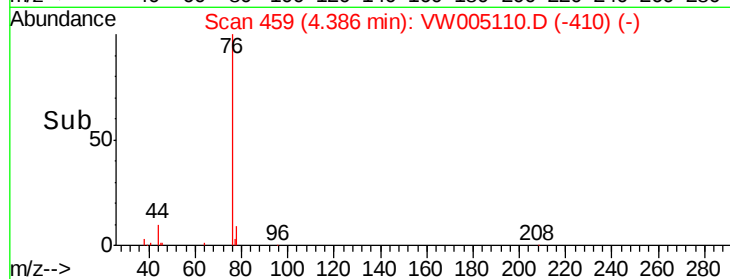
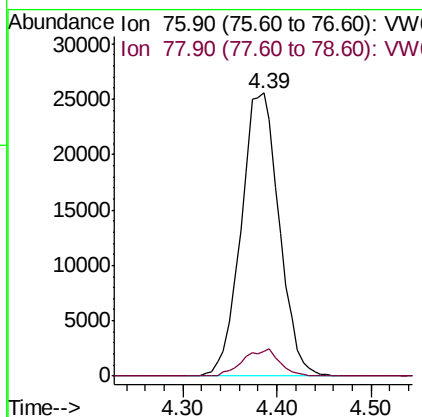
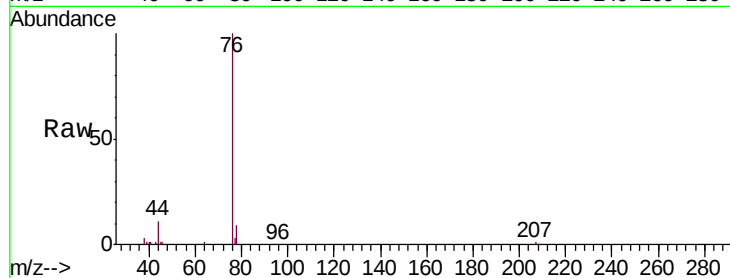




#17
Carbon Disulfide
Concen: 6.103 ug/l
RT: 4.39 min Scan# 459
Delta R.T. 0.00 min
Lab File: VW005110.D
Acq: 05 Sep 2018 05:59

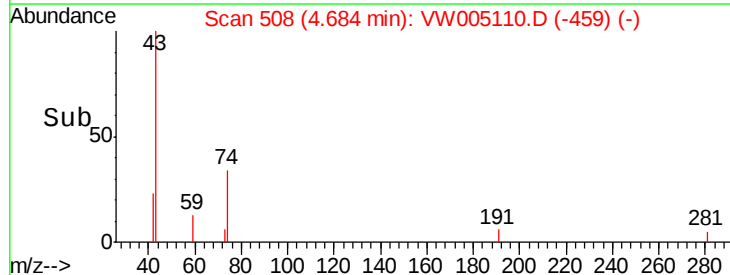
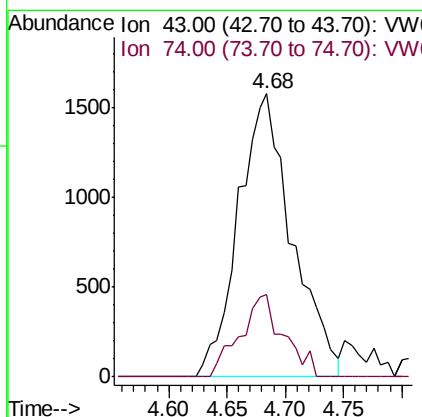
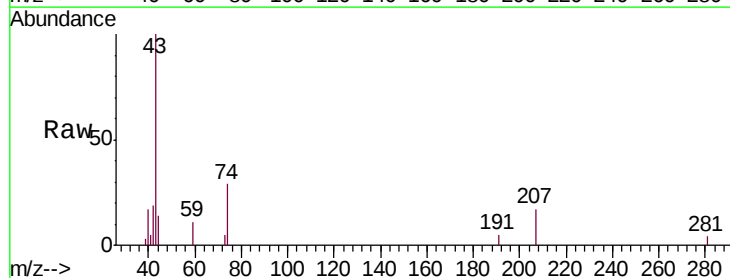
Instrument :
MSVOA_W
ClientSampleId :
EP1-MW-E(10-15)

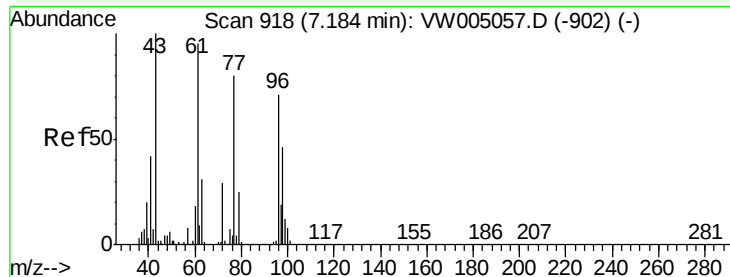
Tgt Ion: 76 Resp: 71896
Ion Ratio Lower Upper
76 100
78 8.9 7.3 10.9



#18
Methyl Acetate
Concen: 2.469 ug/l
RT: 4.68 min Scan# 508
Delta R.T. 0.00 min
Lab File: VW005110.D
Acq: 05 Sep 2018 05:59

Tgt Ion: 43 Resp: 5048
Ion Ratio Lower Upper
43 100
74 23.4 20.7 31.1





#25

2-Butanone

Concen: 10.888 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.00 min

Lab File: VW005110.D

Acq: 05 Sep 2018 05:59

Instrument :

MSVOA_W

ClientSampleId :

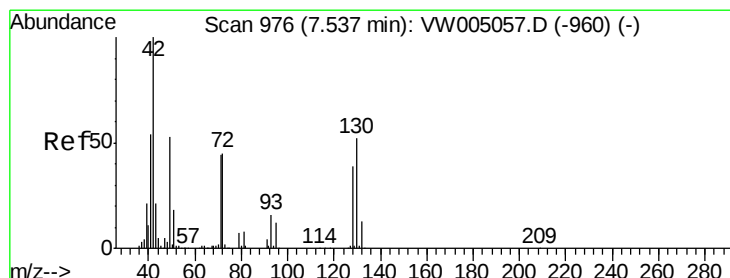
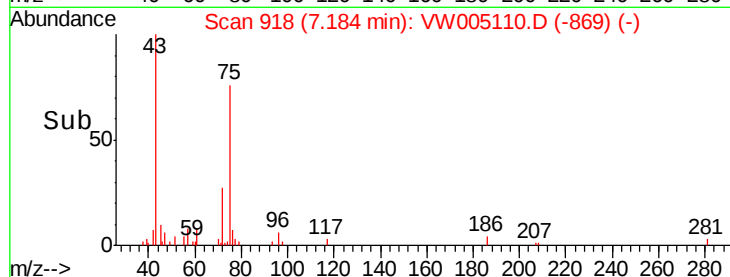
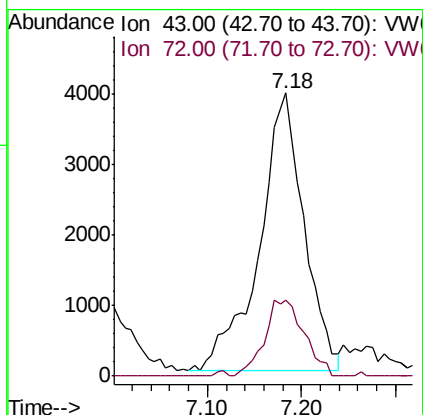
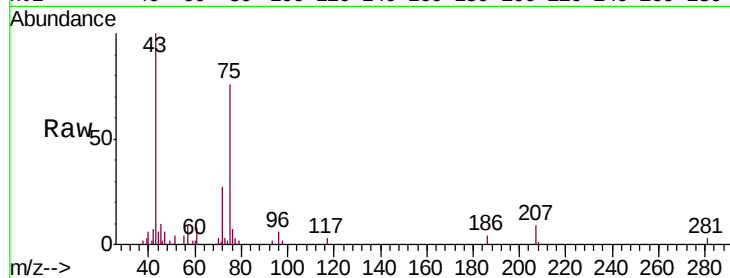
EP1-MW-E(10-15)

Tgt Ion: 43 Resp: 13127

Ion Ratio Lower Upper

43 100

72 27.2 23.1 34.7



#29

Tetrahydrofuran

Concen: 1.091 ug/l

RT: 7.55 min Scan# 978

Delta R.T. 0.01 min

Lab File: VW005110.D

Acq: 05 Sep 2018 05:59

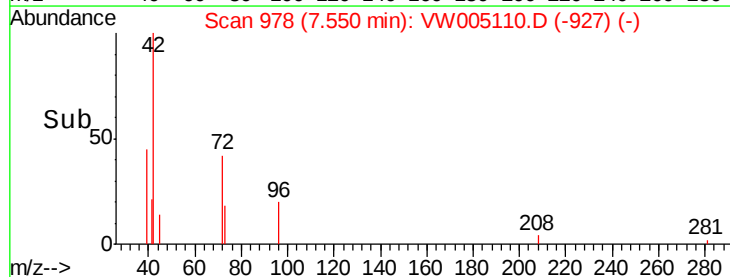
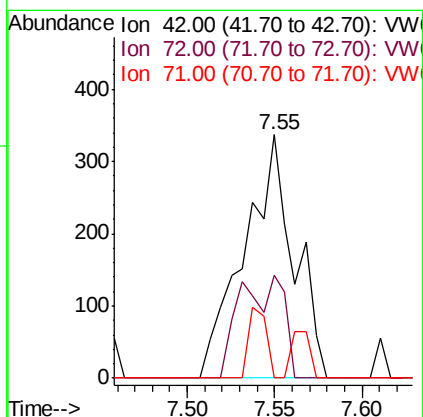
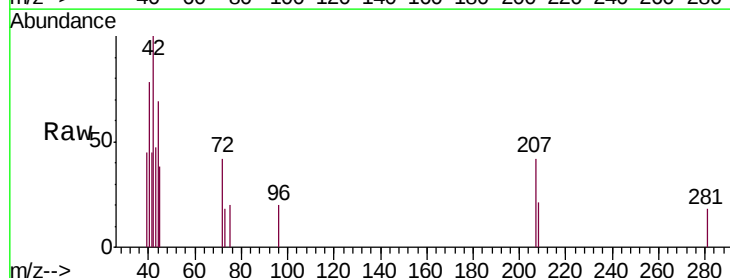
Tgt Ion: 42 Resp: 672

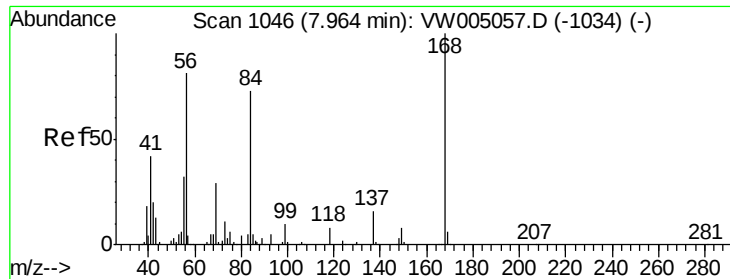
Ion Ratio Lower Upper

42 100

72 37.2 37.0 55.4

71 7.0 35.0 52.6#

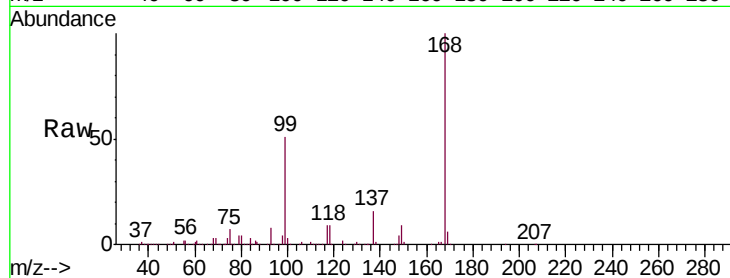




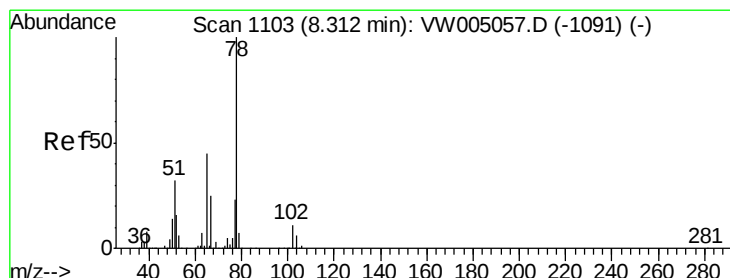
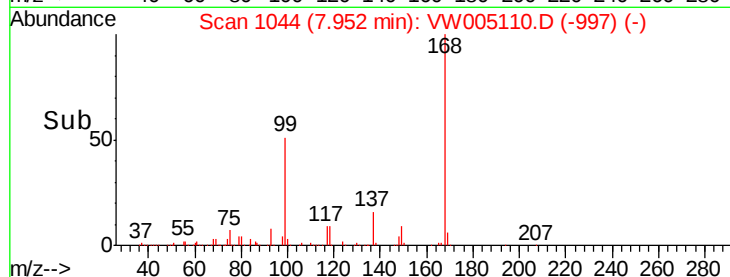
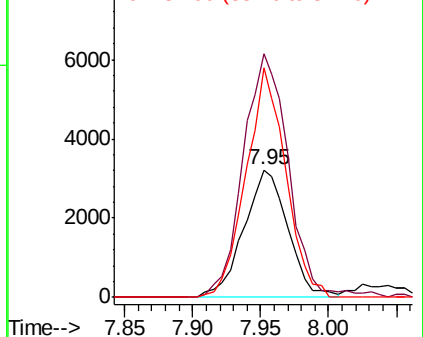
#31
Cyclohexane
Concen: 1.073 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW005110.D
Acq: 05 Sep 2018 05:59

Instrument :
MSVOA_W
ClientSampleId :
EP1-MW-E(10-15)

Tgt Ion: 56 Resp: 7306
Ion Ratio Lower Upper
56 100
69 190.6 28.2 42.2#
84 179.2 71.8 107.8#

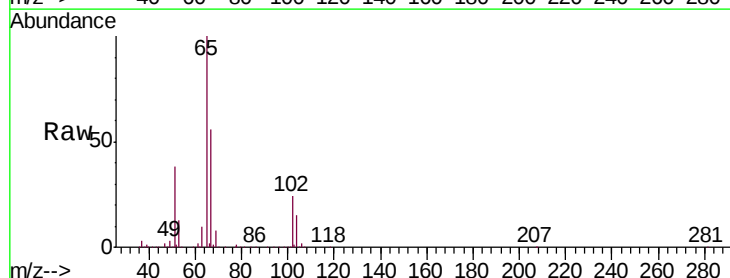


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

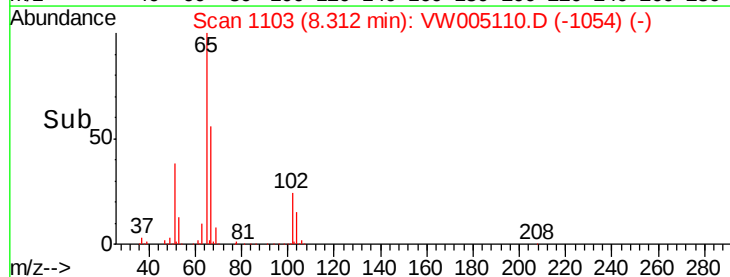
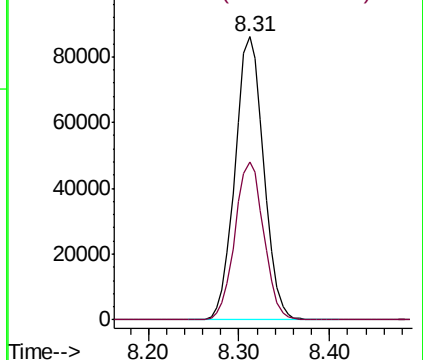


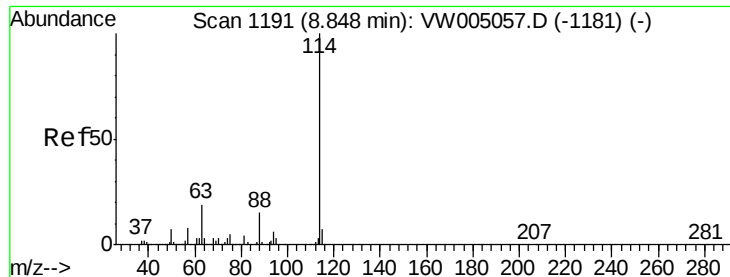
#33
1,2-Dichloroethane-d4
Concen: 54.389 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VW005110.D
Acq: 05 Sep 2018 05:59

Tgt Ion: 65 Resp: 188505
Ion Ratio Lower Upper
65 100
67 56.2 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

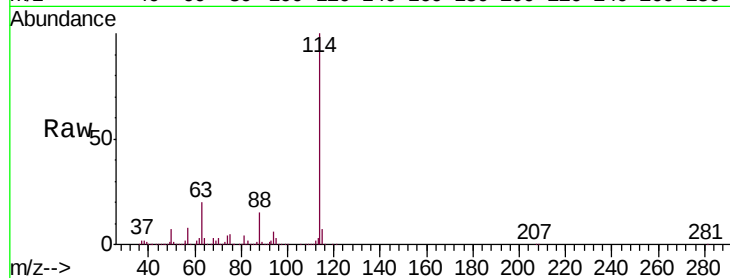




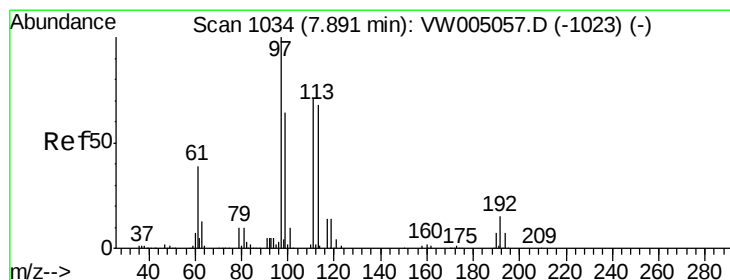
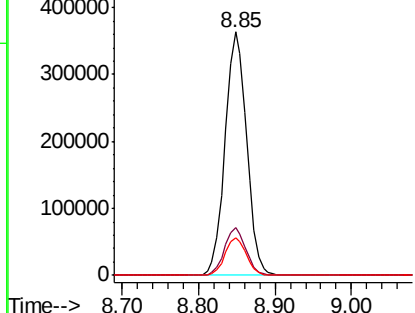
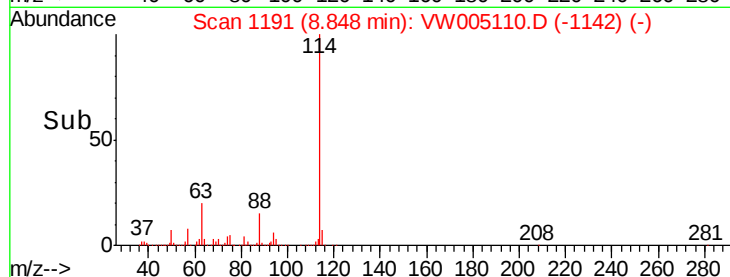
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW005110.D
 Acq: 05 Sep 2018 05:59

Instrument :
 MSVOA_W
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 EP1-MW-E(10-15)

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	38.0
88	15.5	0.0	30.2

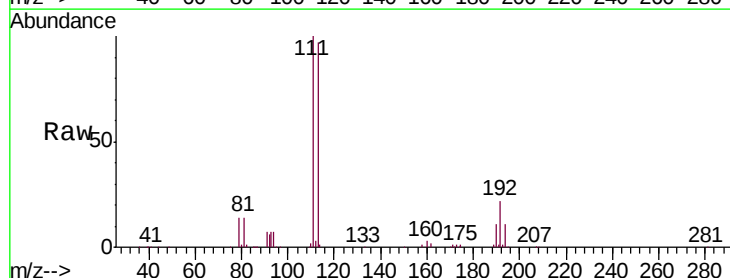


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

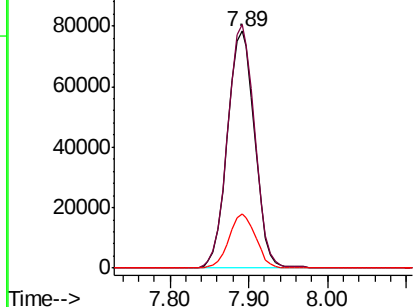
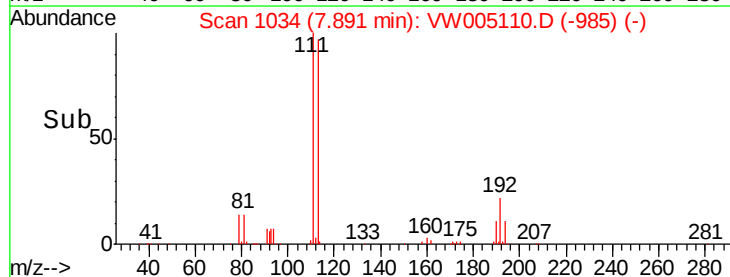


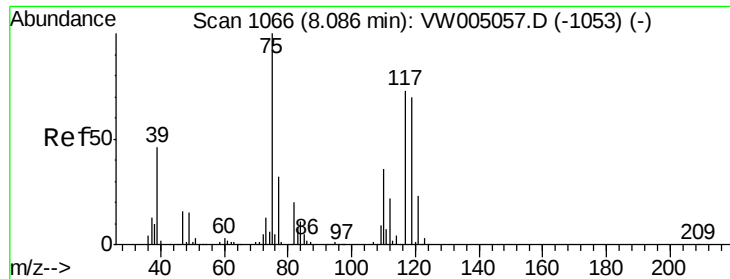
#35
 Dibromofluoromethane
 Concen: 45.966 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.00 min
 Lab File: VW005110.D
 Acq: 05 Sep 2018 05:59

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.2	123.2
192	22.4	18.1	27.1



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: 4.069 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW005110.D

Acq: 05 Sep 2018 05:59

Instrument :

MSVOA_W

ClientSampleId :

EP1-MW-E(10-15)

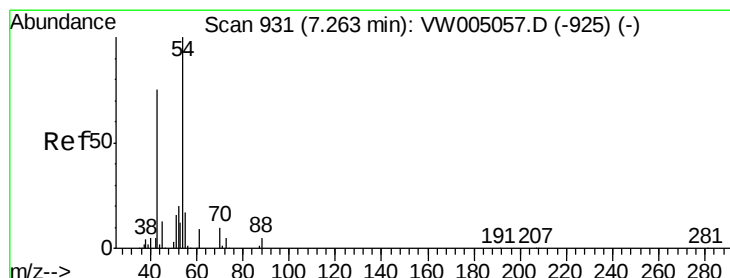
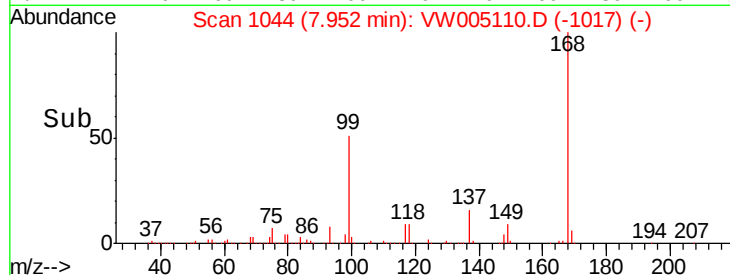
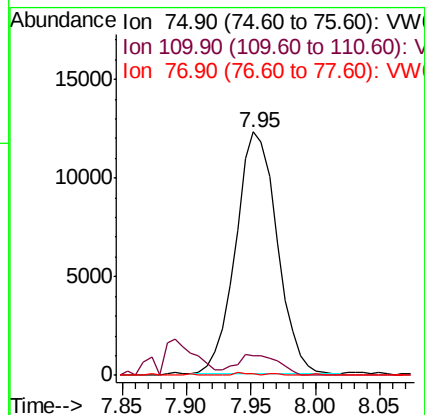
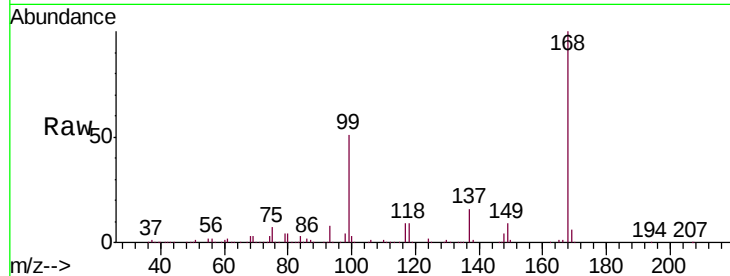
Tgt Ion: 75 Resp: 27432

Ion Ratio Lower Upper

75 100

110 8.6 18.9 56.7#

77 0.3 25.5 38.3#



#37

Ethyl Acetate

Concen: 5.206 ug/l

RT: 7.18 min Scan# 918

Delta R.T. -0.08 min

Lab File: VW005110.D

Acq: 05 Sep 2018 05:59

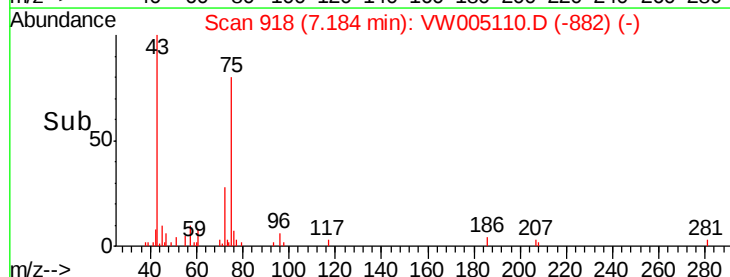
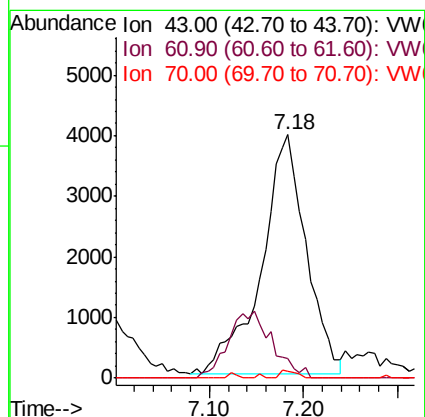
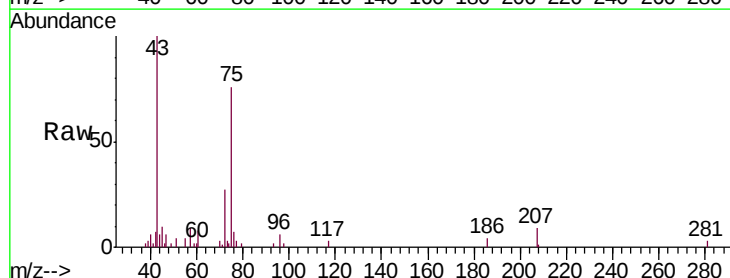
Tgt Ion: 43 Resp: 13127

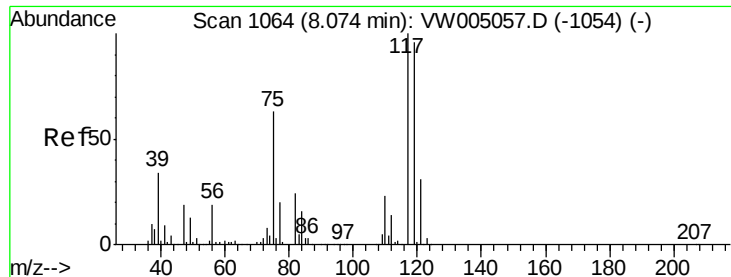
Ion Ratio Lower Upper

43 100

61 0.0 12.1 18.1#

70 1.1 9.4 14.2#





#38

Carbon Tetrachloride

Concen: 5.860 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW005110.D

Acq: 05 Sep 2018 05:59

Instrument :

MSVOA_W

ClientSampleId :

EP1-MW-E(10-15)

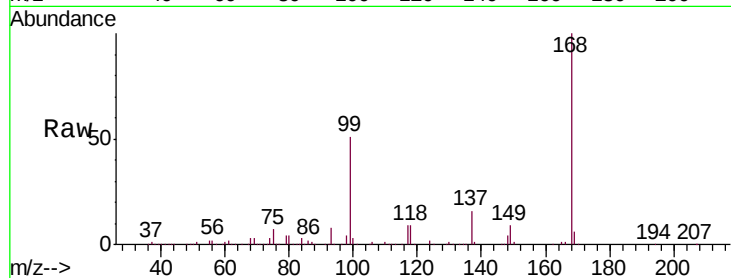
Tgt Ion:117 Resp: 37564

Ion Ratio Lower Upper

117 100

119 4.9 76.6 115.0#

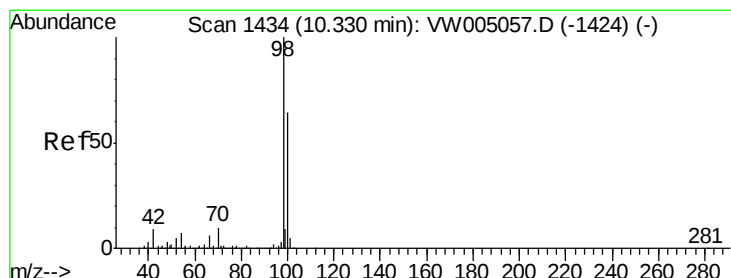
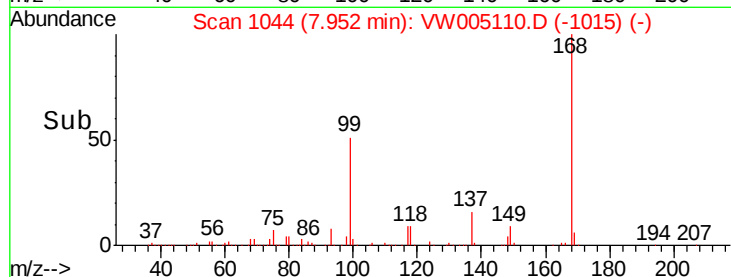
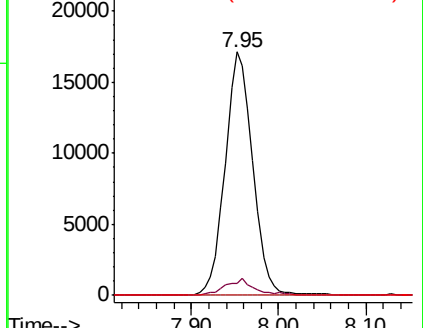
121 0.0 24.8 37.2#



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: 38.039 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW005110.D

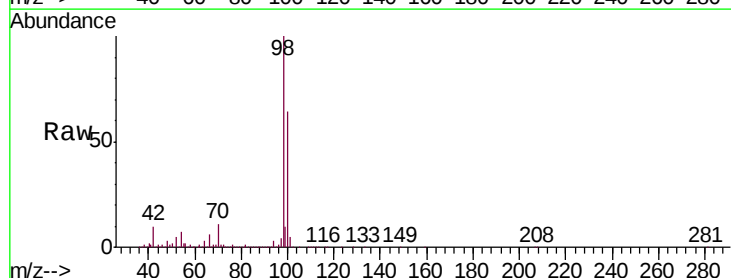
Acq: 05 Sep 2018 05:59

Tgt Ion: 98 Resp: 717038

Ion Ratio Lower Upper

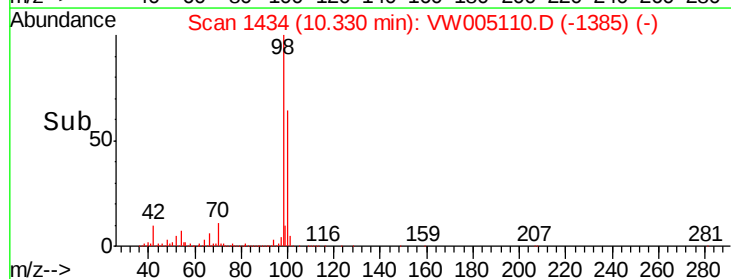
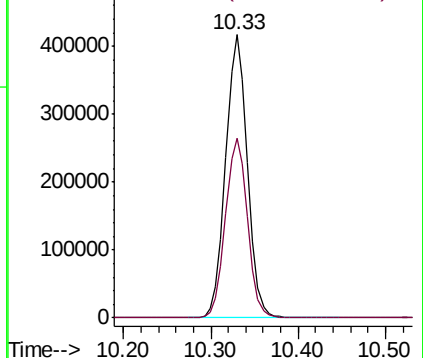
98 100

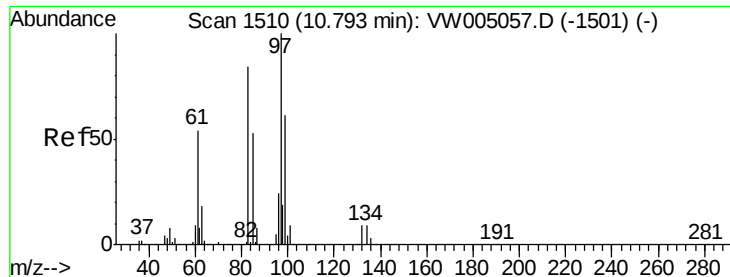
100 64.4 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

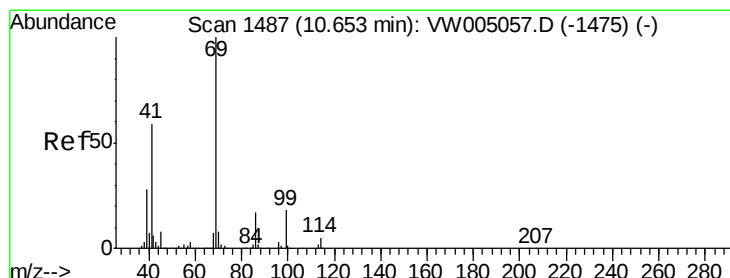
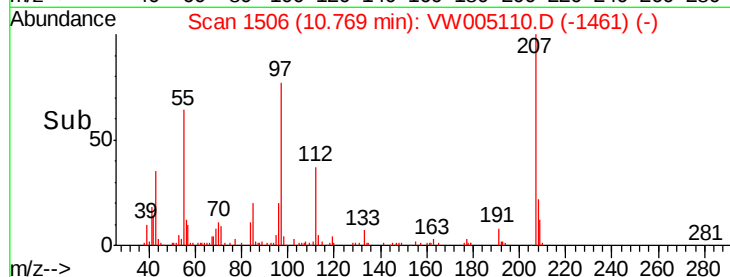
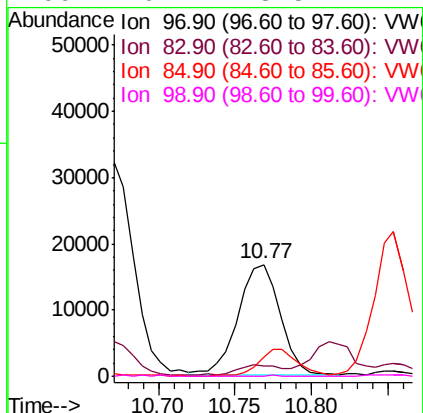
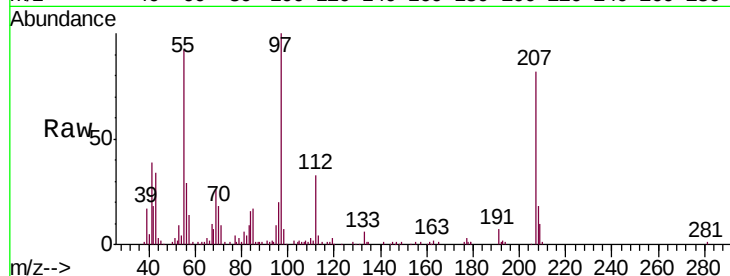




#55
 1,1,2-Trichloroethane
 Concen: 8.526 ug/l
 RT: 10.77 min Scan# 1506
 Delta R.T. -0.02 min
 Lab File: VW005110.D
 Acq: 05 Sep 2018 05:59

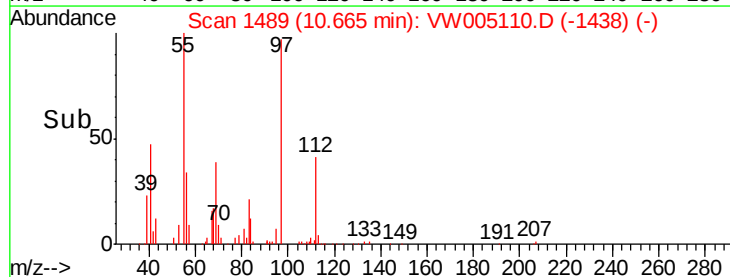
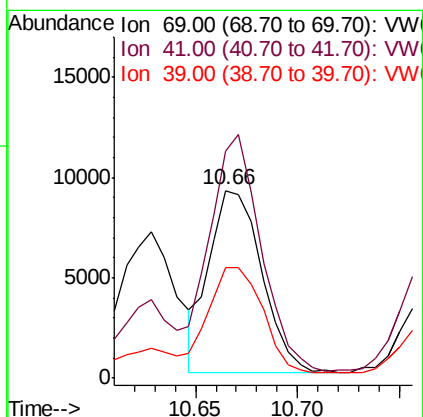
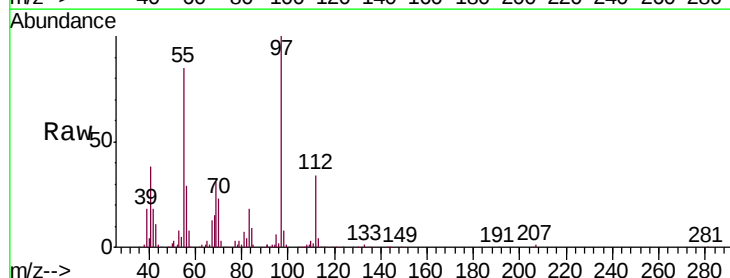
Instrument :
 MSVOA_W
 ClientSampleId :
 EP1-MW-E(10-15)

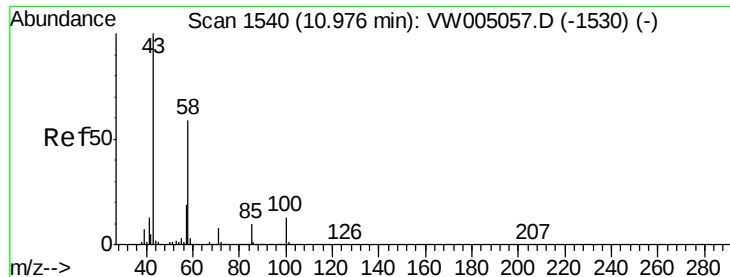
Tgt Ion: 97 Resp: 31827
 Ion Ratio Lower Upper
 97 100
 83 8.1 67.0 100.6#
 85 16.6 42.3 63.5#
 99 0.4 48.5 72.7#



#56
 Ethyl methacrylate
 Concen: 3.853 ug/l
 RT: 10.66 min Scan# 1489
 Delta R.T. 0.01 min
 Lab File: VW005110.D
 Acq: 05 Sep 2018 05:59

Tgt Ion: 69 Resp: 16409
 Ion Ratio Lower Upper
 69 100
 41 127.9 47.8 71.6#
 39 60.6 21.1 31.7#

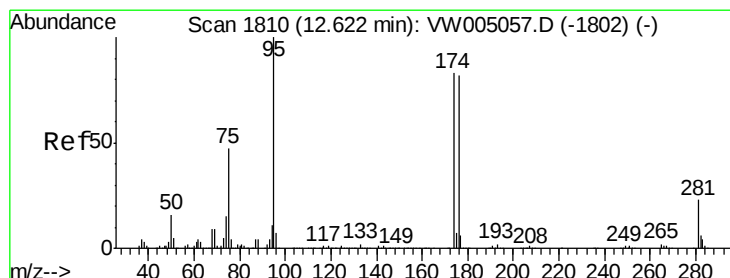
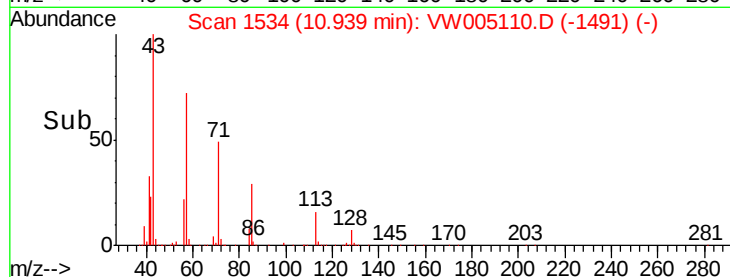
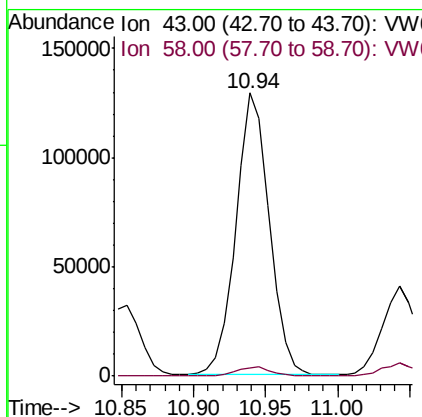
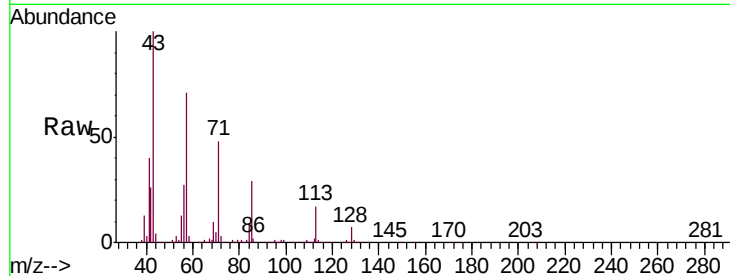




#59
2-Hexanone
Concen: 99.291 ug/l
RT: 10.94 min Scan# 1534
Delta R.T. -0.04 min
Lab File: VW005110.D
Acq: 05 Sep 2018 05:59

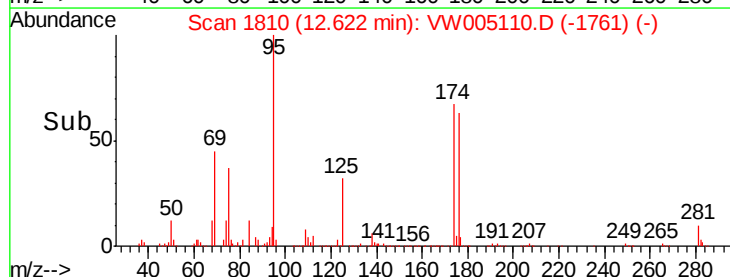
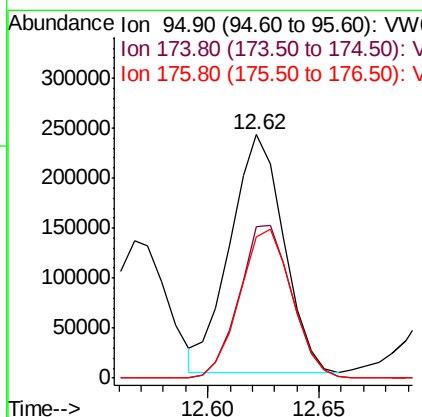
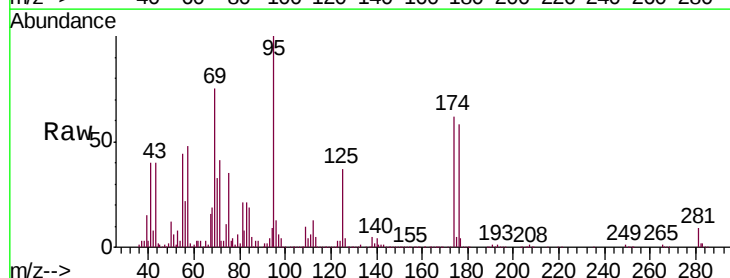
Instrument :
MSVOA_W
ClientSampleId :
EP1-MW-E(10-15)

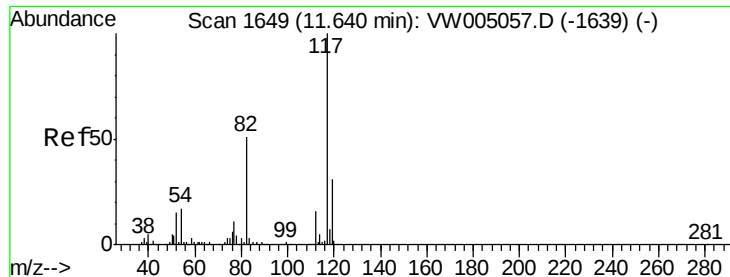
Tgt Ion: 43 Resp: 206504
Ion Ratio Lower Upper
43 100
58 3.7 28.7 86.3#



#62
4-Bromofluorobenzene
Concen: 59.851 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VW005110.D
Acq: 05 Sep 2018 05:59

Tgt Ion: 95 Resp: 397818
Ion Ratio Lower Upper
95 100
174 62.9 0.0 173.4
176 61.4 0.0 167.4

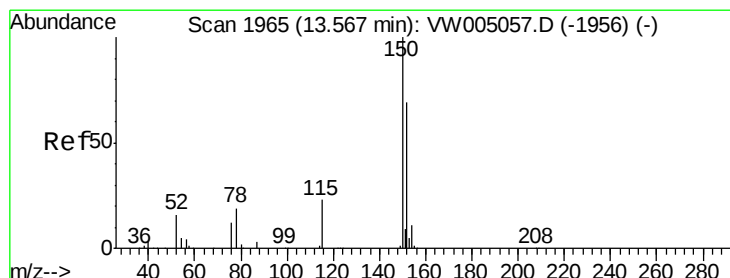
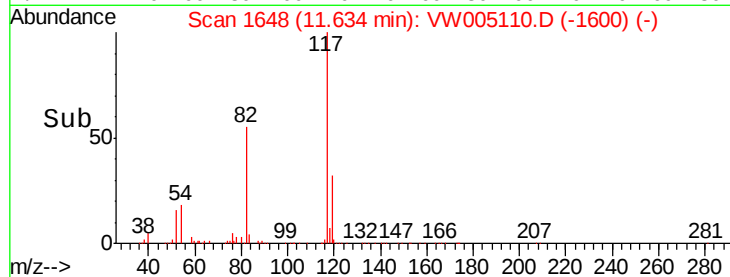
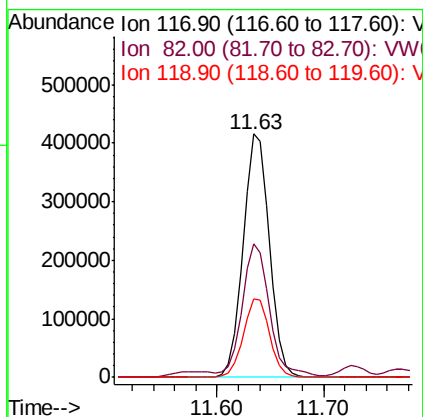
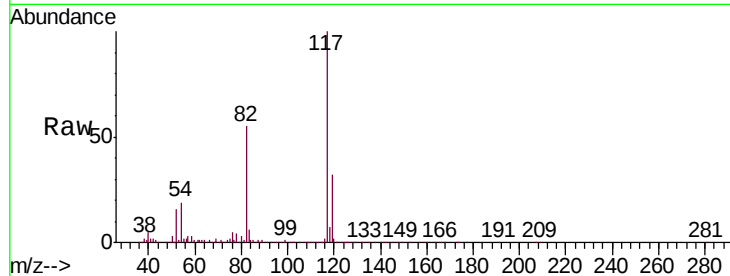




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW005110.D
Acq: 05 Sep 2018 05:59

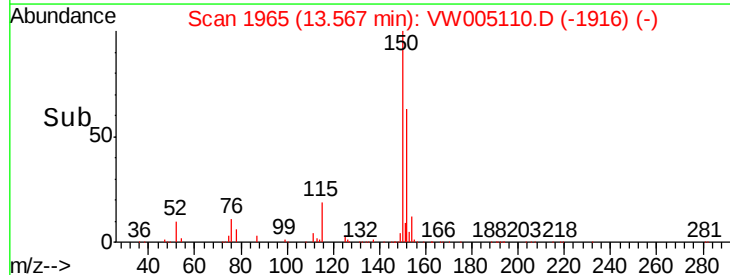
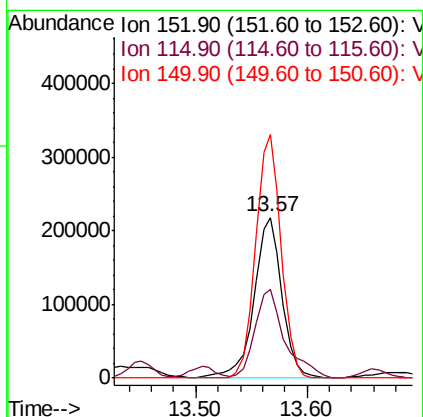
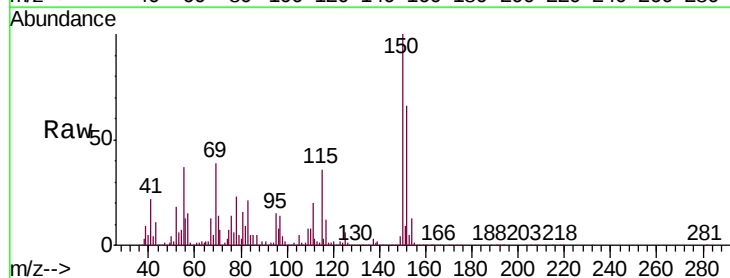
Instrument :
MSVOA_W
ClientSampleId :
EP1-MW-E(10-15)

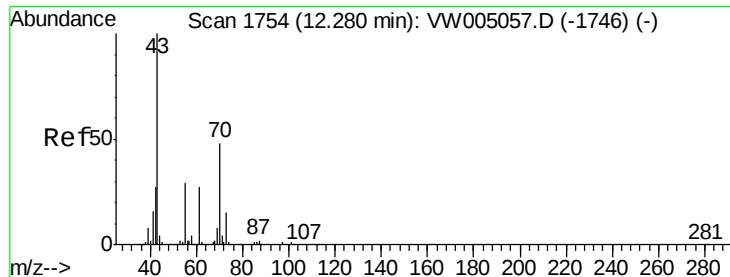
Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.6	40.9	61.3
119	32.4	24.9	37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW005110.D
Acq: 05 Sep 2018 05:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	27.8	83.4
150	139.3	0.0	351.4





#74

N-ethyl acetate

Concen: 232.399 ug/l

RT: 12.26 min Scan# 1750

Delta R.T. -0.02 min

Lab File: VW005110.D

Acq: 05 Sep 2018 05:59

Instrument :

MSVOA_W

ClientSampleId :

EP1-MW-E(10-15)

Tgt Ion: 43 Resp: 1061474

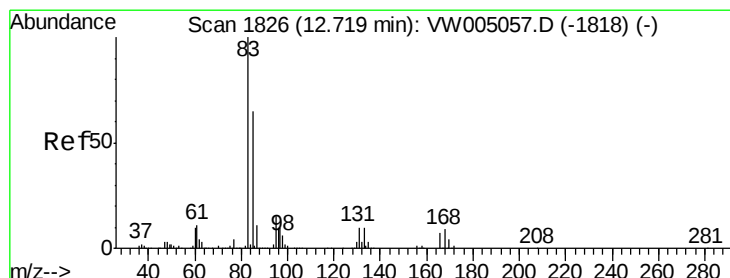
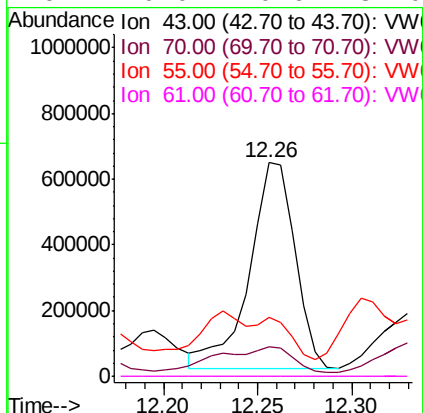
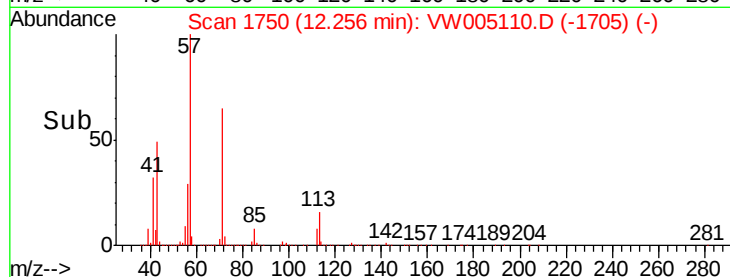
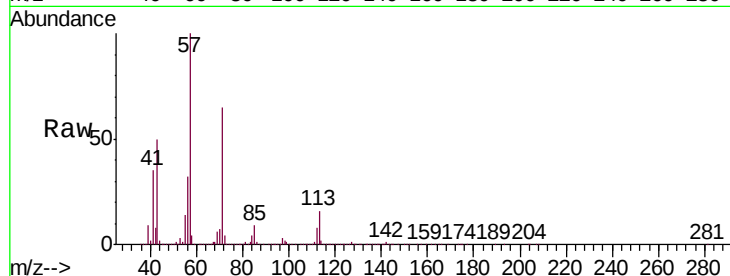
Ion Ratio Lower Upper

43 100

70 20.0 38.2 57.4#

55 0.0 23.2 34.8#

61 0.0 20.6 31.0#



#75

1,1,2,2-Tetrachloroethane

Concen: 32.224 ug/l

RT: 12.70 min Scan# 1822

Delta R.T. -0.02 min

Lab File: VW005110.D

Acq: 05 Sep 2018 05:59

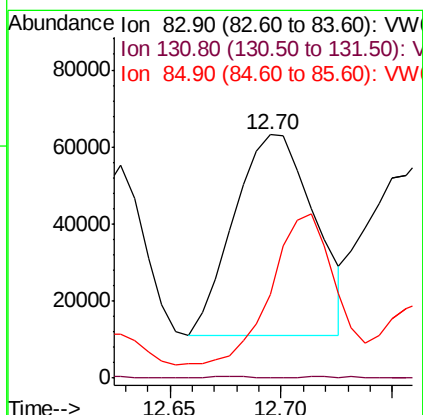
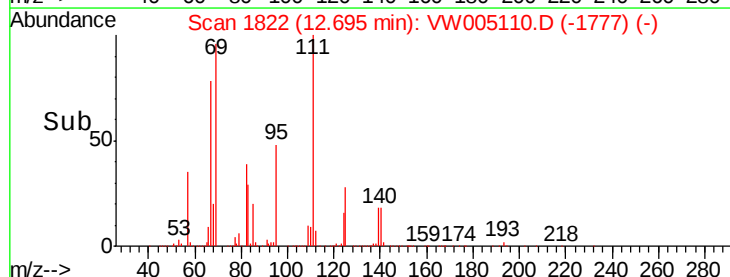
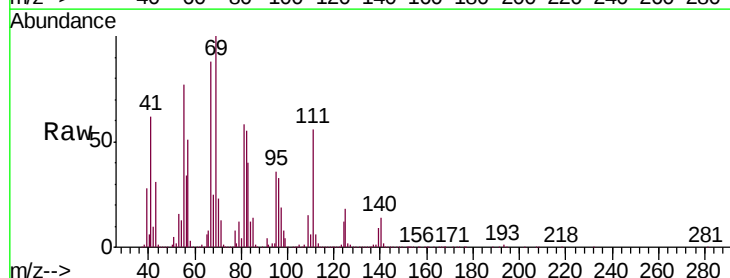
Tgt Ion: 83 Resp: 130125

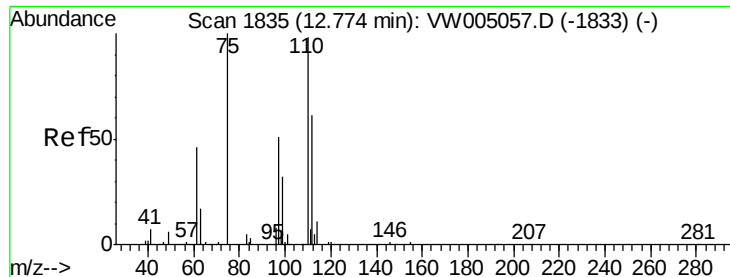
Ion Ratio Lower Upper

83 100

131 0.2 5.5 16.4#

85 0.0 32.5 97.4#

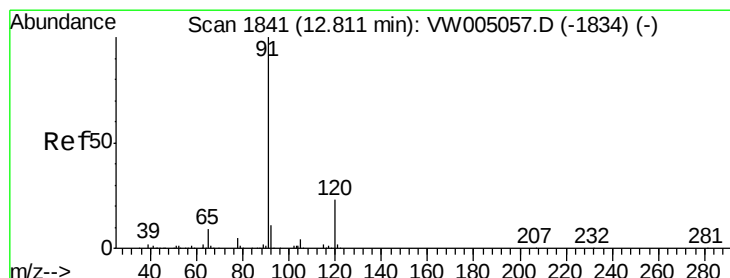
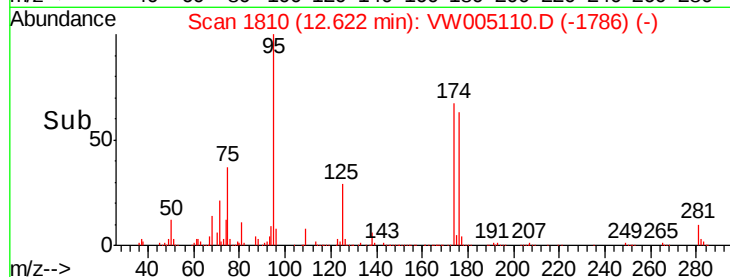
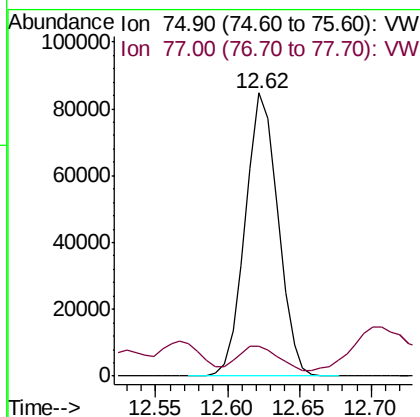
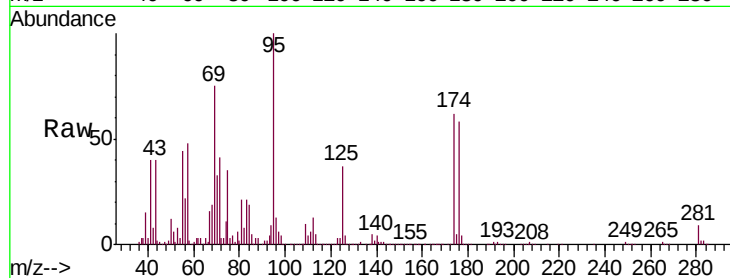




#76
 1,2,3-Trichloropropane
 Concen: 46.959 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.15 min
 Lab File: VW005110.D
 Acq: 05 Sep 2018 05:59

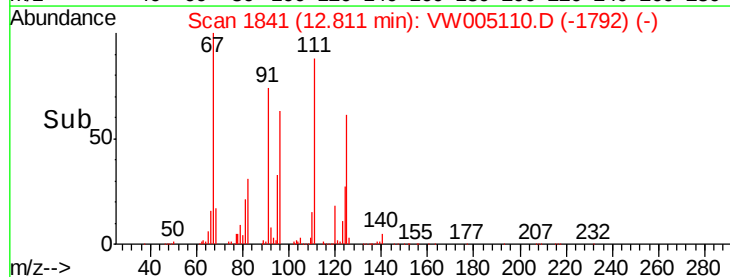
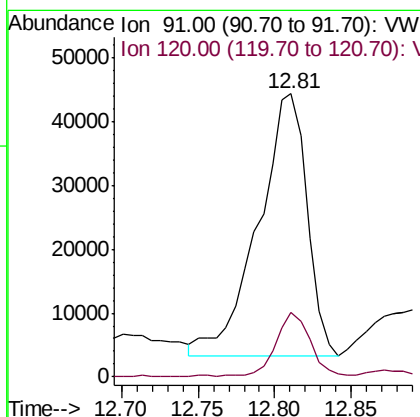
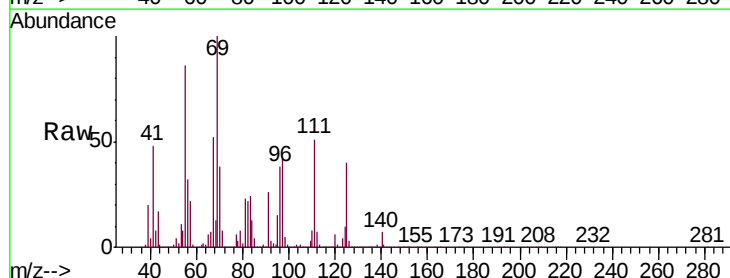
Instrument :
 MSVOA_W
 ClientSampleId :
 EP1-MW-E(10-15)

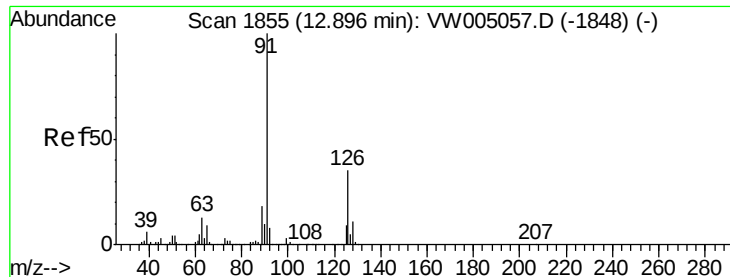
Tgt Ion: 75 Resp: 132604
 Ion Ratio Lower Upper
 75 100
 77 10.0 0.0 0.0#



#78
 n-propylbenzene
 Concen: 2.854 ug/l
 RT: 12.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VW005110.D
 Acq: 05 Sep 2018 05:59

Tgt Ion: 91 Resp: 91393
 Ion Ratio Lower Upper
 91 100
 120 16.8 11.8 35.3

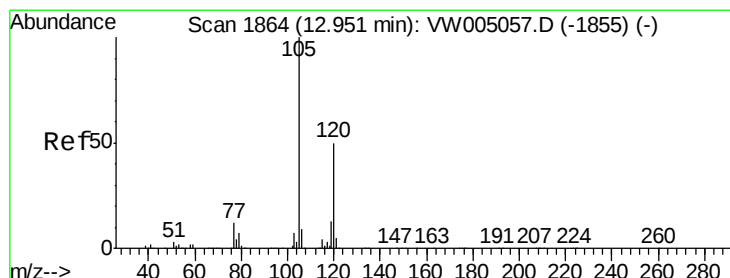
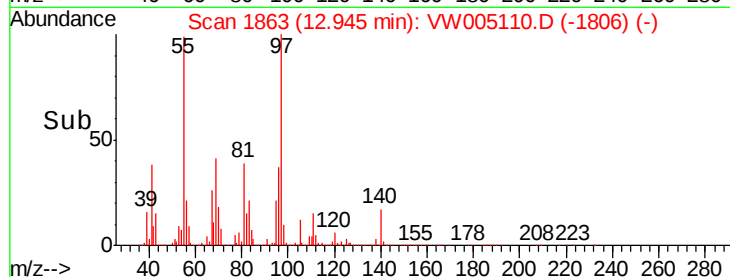
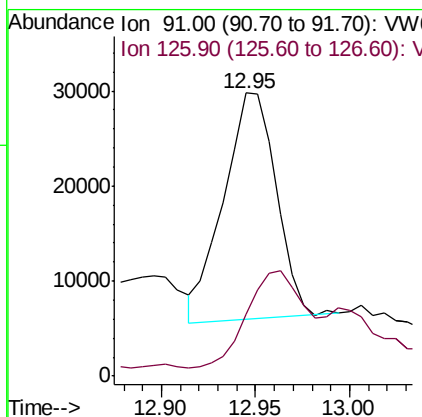
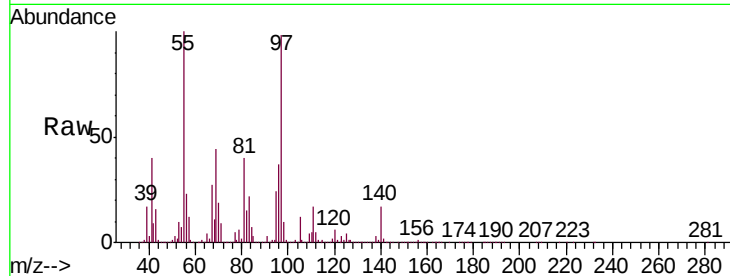




#79
 2-Chlorotoluene
 Concen: 2.481 ug/l
 RT: 12.95 min Scan# 1863
 Delta R.T. 0.05 min
 Lab File: VW005110.D
 Acq: 05 Sep 2018 05:59

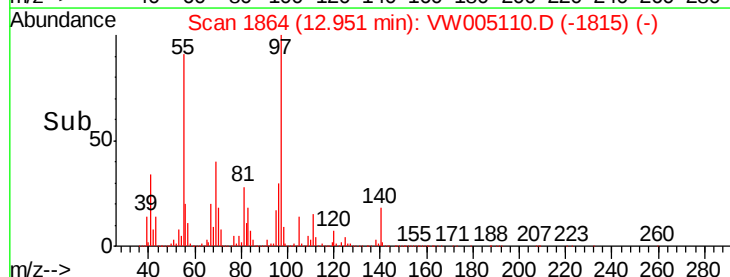
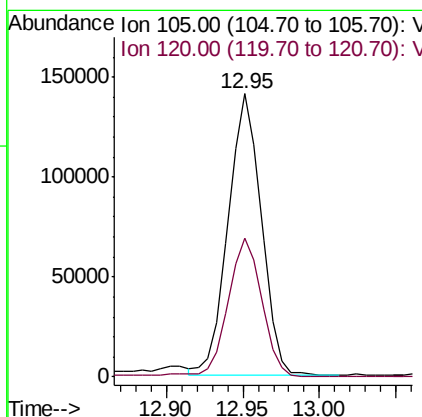
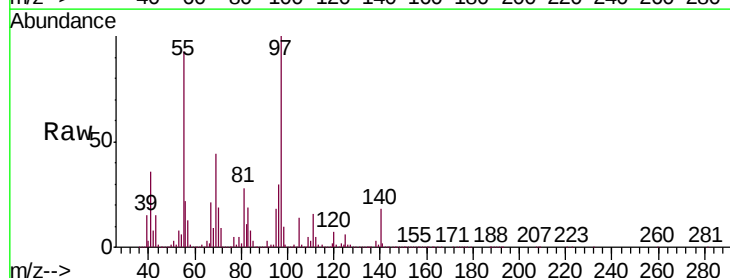
Instrument :
 MSVOA_W
 ClientSampleId :
 EP1-MW-E(10-15)

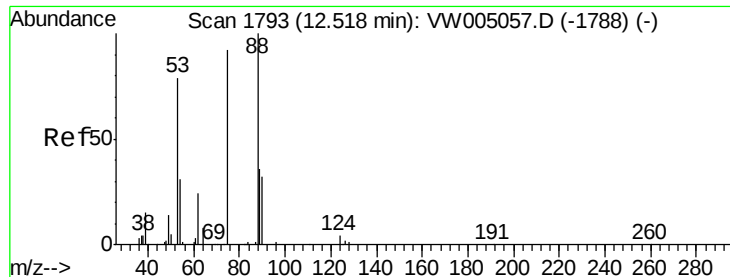
Tgt Ion: 91 Resp: 46356
 Ion Ratio Lower Upper
 91 100
 126 46.0 17.3 52.0



#80
 1,3,5-Trimethylbenzene
 Concen: 9.208 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VW005110.D
 Acq: 05 Sep 2018 05:59

Tgt Ion: 105 Resp: 211234
 Ion Ratio Lower Upper
 105 100
 120 50.1 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 113.024 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW005110.D

Acq: 05 Sep 2018 05:59

Instrument :

MSVOA_W

ClientSampleId :

EP1-MW-E(10-15)

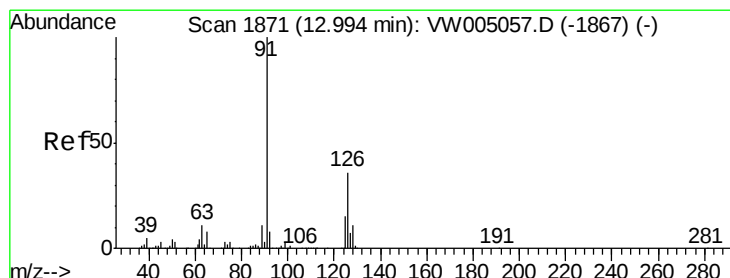
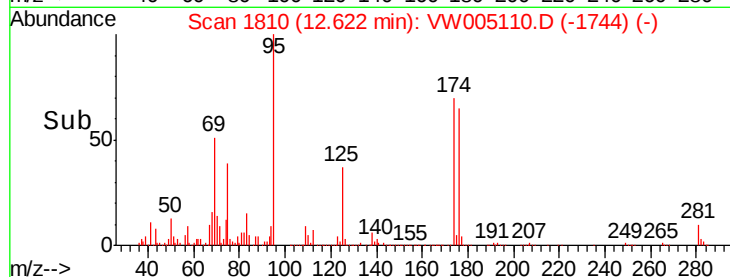
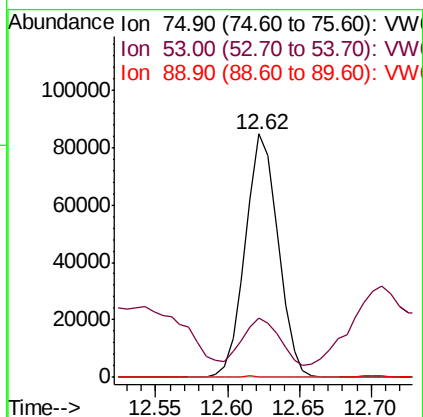
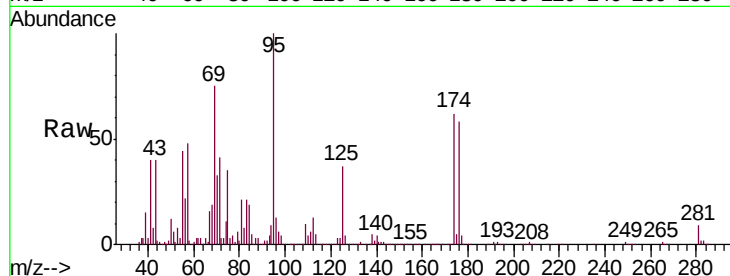
Tgt Ion: 75 Resp: 132604

Ion Ratio Lower Upper

75 100

53 21.3 69.8 104.8#

89 0.3 36.0 54.0#



#82

4-Chlorotoluene

Concen: 2.348 ug/l

RT: 12.95 min Scan# 1863

Delta R.T. -0.05 min

Lab File: VW005110.D

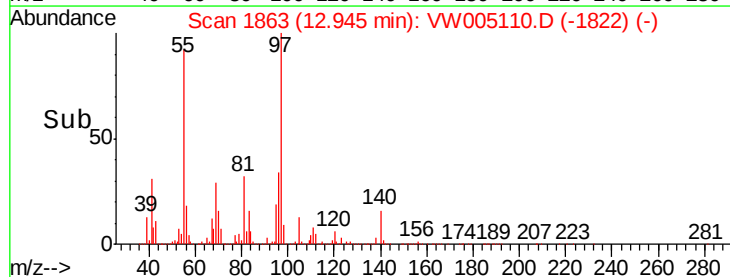
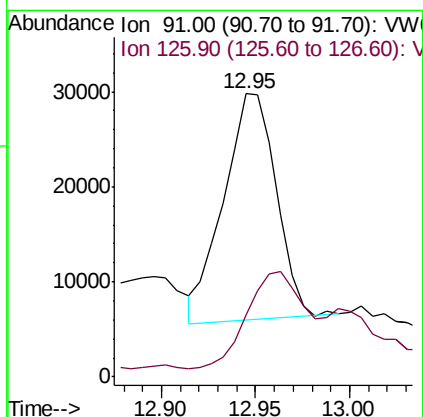
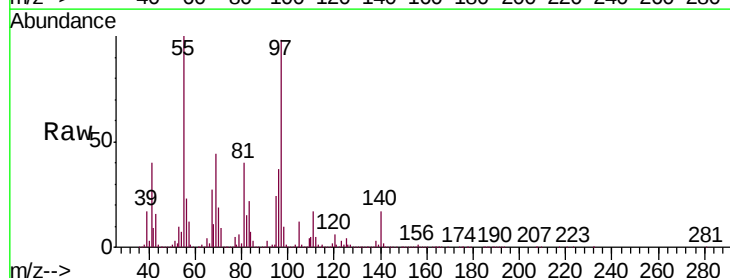
Acq: 05 Sep 2018 05:59

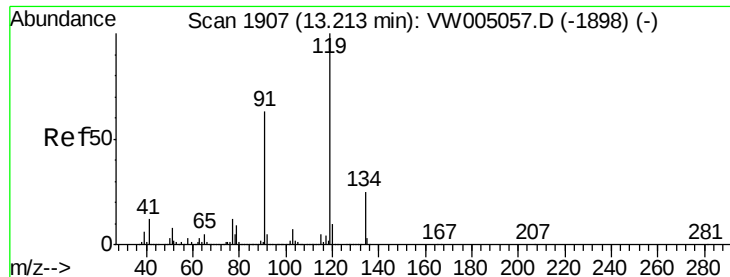
Tgt Ion: 91 Resp: 46314

Ion Ratio Lower Upper

91 100

126 46.1 17.4 52.3

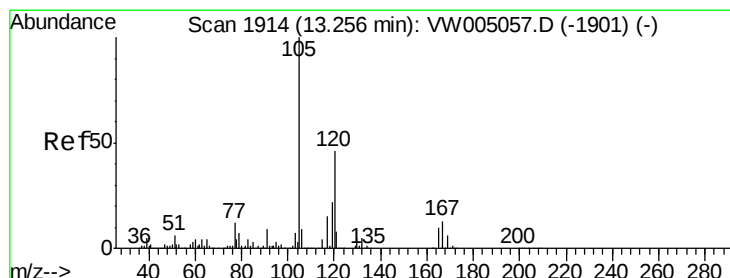
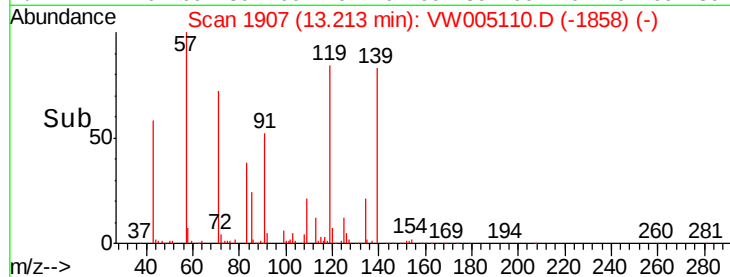
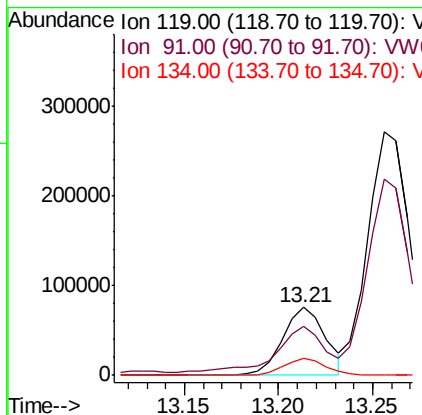
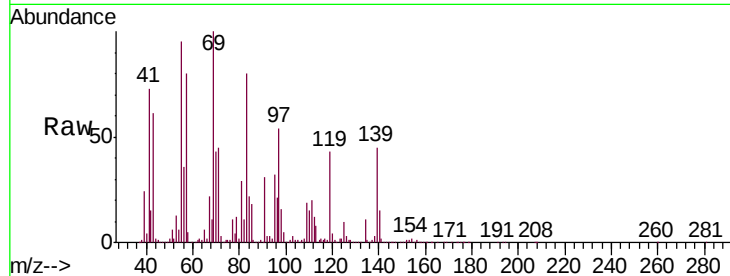




#83
 tert-Butylbenzene
 Concen: 6.113 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VW005110.D
 Acq: 05 Sep 2018 05:59

Instrument :
 MSVOA_W
 ClientSampled :
 EP1-MW-E(10-15)

Tgt Ion:119 Resp: 117113
 Ion Ratio Lower Upper
 119 100
 91 74.0 31.8 95.4
 134 25.1 13.0 39.0



#84
 1,2,4-Trimethylbenzene
 Concen: 144.161 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VW005110.D
 Acq: 05 Sep 2018 05:59

Tgt Ion:105 Resp: 3367887
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.1 69.3

