

Data File : VW006862.D
Acq On : 13 Nov 2018 18:35
Operator : SY/AP
Sample : J5895-03
Misc : 10.65G/5ML/MSVOA_W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-2

Quant Time: Nov 14 04:05:44 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	349700	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	458883	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	445053	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	253535	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	91534	35.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.62%	
35) Dibromofluoromethane	7.89	113	96081	35.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.32%	
50) Toluene-d8	10.33	98	401624	35.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.92%	
62) 4-Bromofluorobenzene	12.62	95	157326	37.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.42%	

Target Compounds

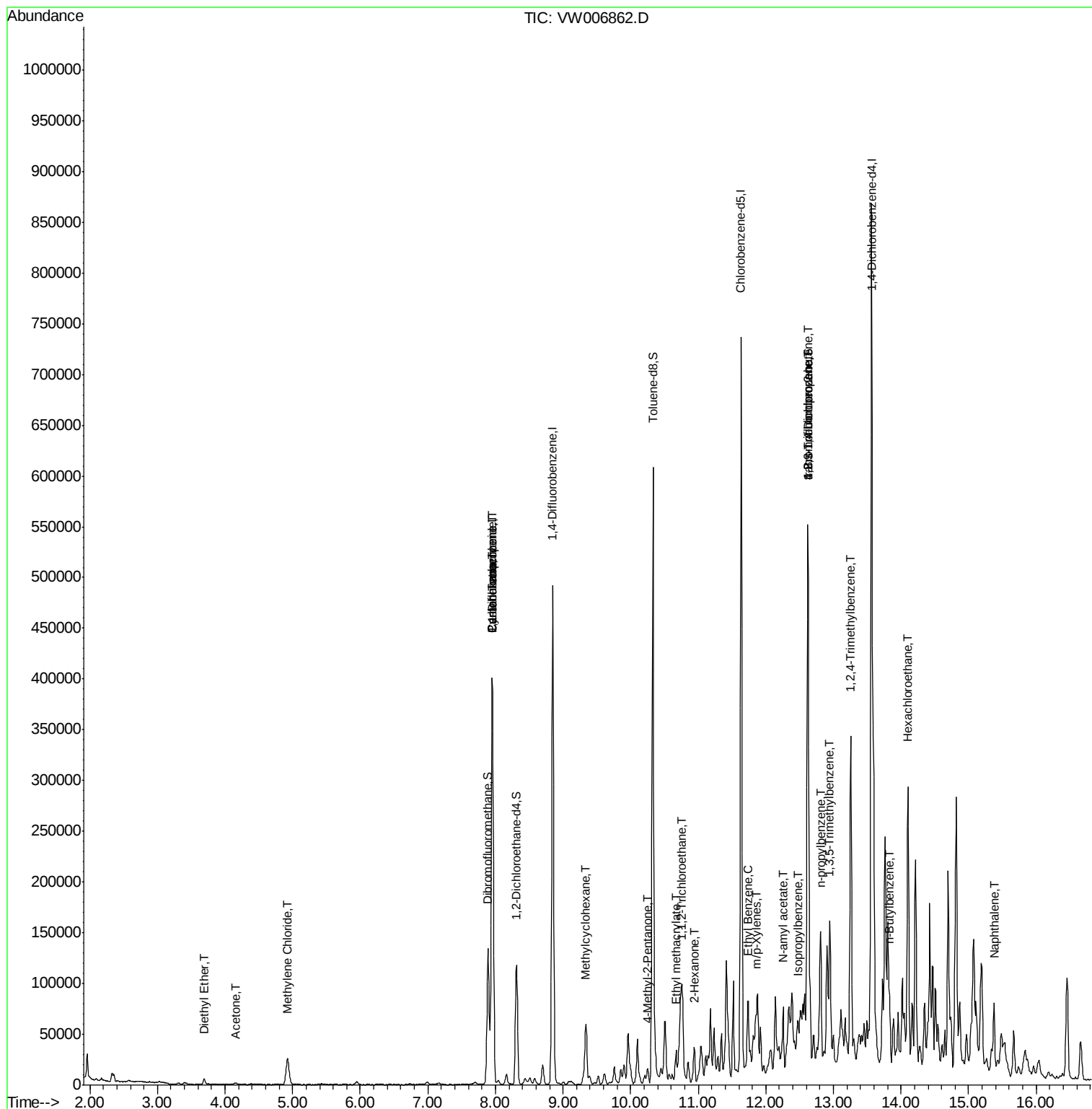
						Qvalue
8) Diethyl Ether	3.70	74	3188	2.356	ug/l	99
16) Acetone	4.15	43	2688	7.322	ug/l #	82
20) Methylene Chloride	4.93	84	22236	1.623	ug/l	95
31) Cyclohexane	7.95	56	8117	1.657	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18591	4.329	ug/l #	49
38) Carbon Tetrachloride	7.95	117	28576	6.123	ug/l #	15
39) Methylcyclohexane	9.34	83	27263	4.893	ug/l	92
51) 4-Methyl-2-Pentanone	10.25	43	1575	1.150	ug/l #	59
55) 1,1,2-Trichloroethane	10.76	97	13276	5.775	ug/l #	22
56) Ethyl methacrylate	10.66	69	3713	1.474	ug/l #	32
59) 2-Hexanone	10.94	43	11967	12.670	ug/l #	28
67) Ethyl Benzene	11.74	91	39595	2.352	ug/l	98
68) m/p-Xylenes	11.85	106	13889	2.017	ug/l	99
73) Isopropylbenzene	12.47	105	22345	1.270	ug/l	98
74) N-amyl acetate	12.26	43	10691	4.018	ug/l #	57
76) 1,2,3-Trichloropropane	12.62	75	67883	37.153	ug/l #	100
78) n-propylbenzene	12.81	91	99613	4.796	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	51447	3.401	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.62	75	67883	91.900	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.26	105	184044	11.954	ug/l	100
89) n-Butylbenzene	13.83	91	42678	2.709	ug/l #	73
90) Hexachloroethane	14.10	117	12936	4.690	ug/l #	3
95) Naphthalene	15.38	128	57239	6.437	ug/l	99

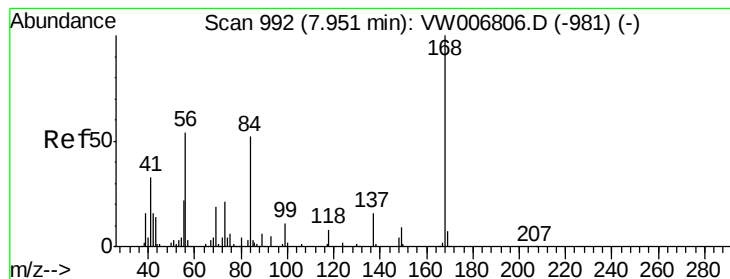
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW006862.D

Acq: 13 Nov 2018 18:35

Instrument :

MSVOA_W

ClientSampled :

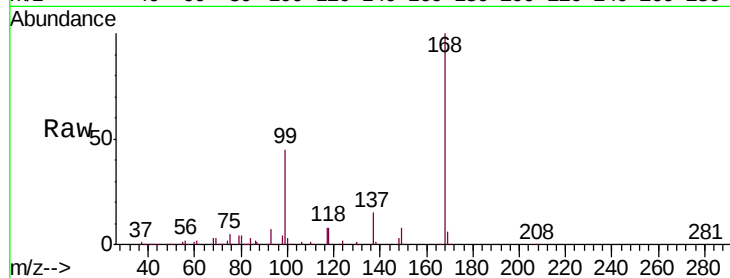
SB-2

Tgt Ion:168 Resp: 349700

Ion Ratio Lower Upper

168 100

99 45.0 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

150000

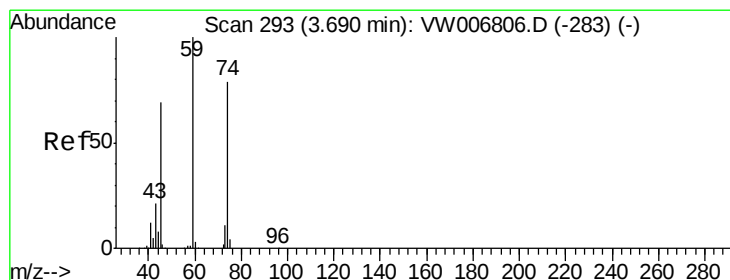
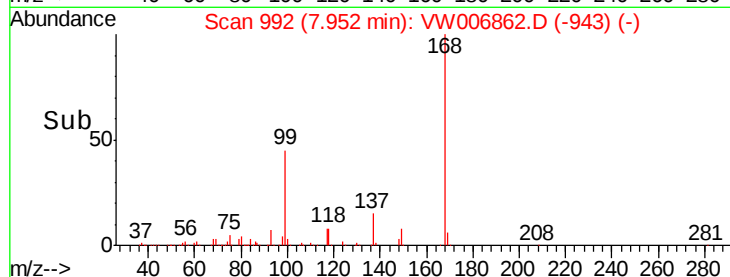
100000

50000

0

7.80 7.90 8.00 8.10

Time-->



#8

Diethyl Ether

Concen: 2.356 ug/l

RT: 3.70 min Scan# 294

Delta R.T. 0.01 min

Lab File: VW006862.D

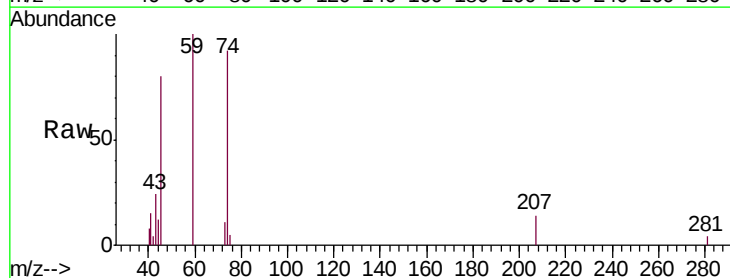
Acq: 13 Nov 2018 18:35

Tgt Ion: 74 Resp: 3188

Ion Ratio Lower Upper

74 100

45 85.5 43.1 129.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.70

1500

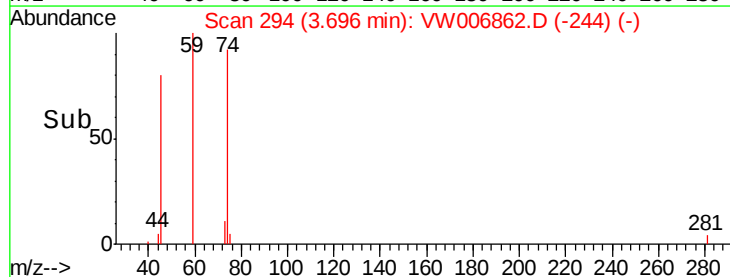
1000

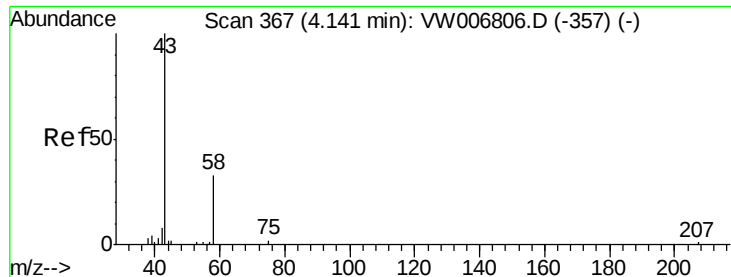
500

0

3.65 3.70 3.75

Time-->





#16

Acetone

Concen: 7.322 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

Lab File: VW006862.D

Acq: 13 Nov 2018 18:35

Instrument :

MSVOA_W

ClientSampleId :

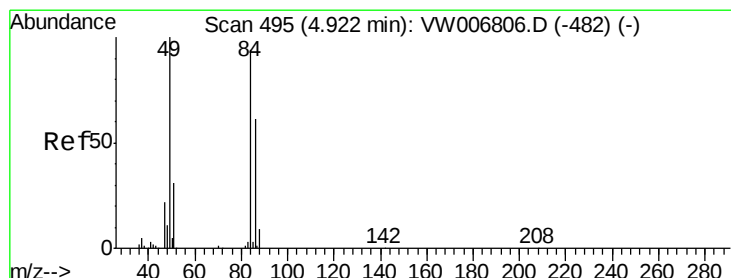
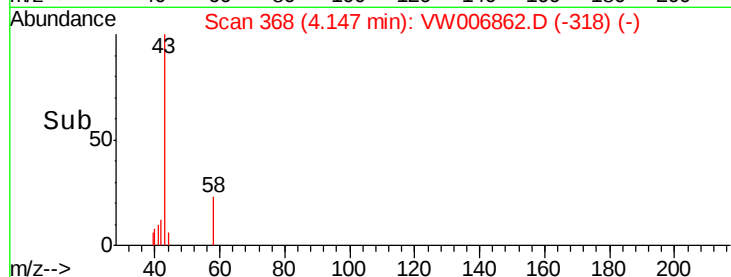
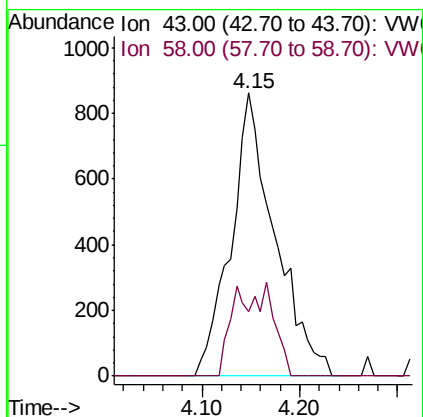
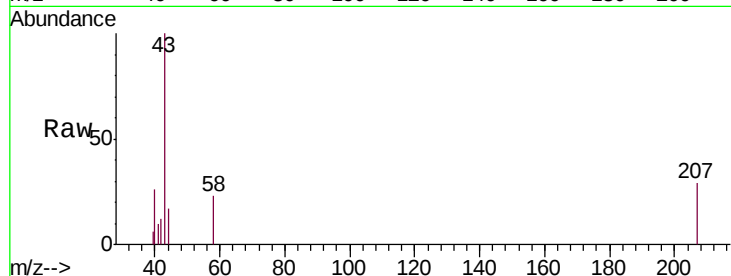
SB-2

Tgt Ion: 43 Resp: 2688

Ion Ratio Lower Upper

43 100

58 23.0 26.5 39.7#



#20

Methylene Chloride

Concen: 1.623 ug/l

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW006862.D

Acq: 13 Nov 2018 18:35

Tgt Ion: 84 Resp: 22236

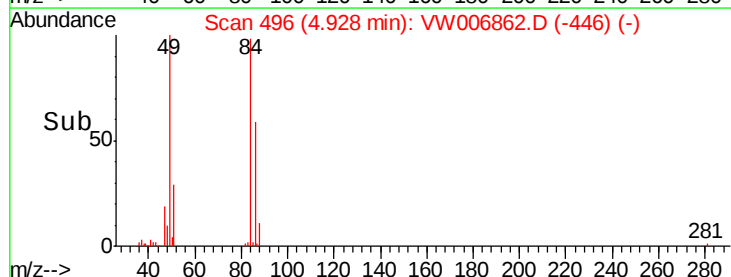
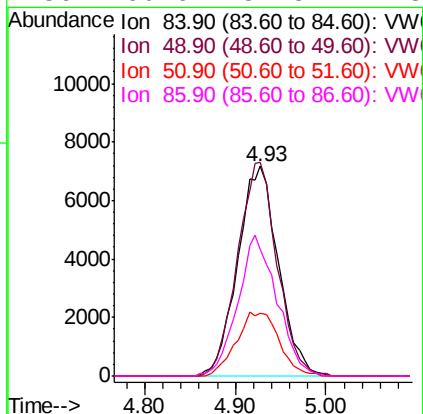
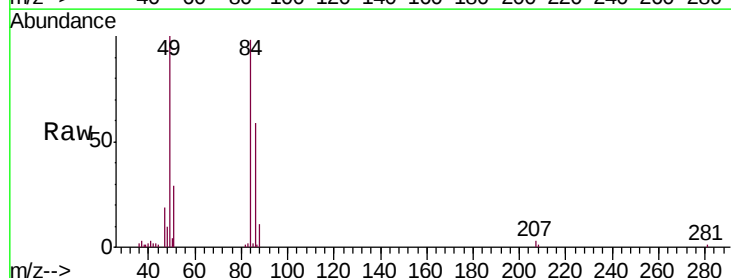
Ion Ratio Lower Upper

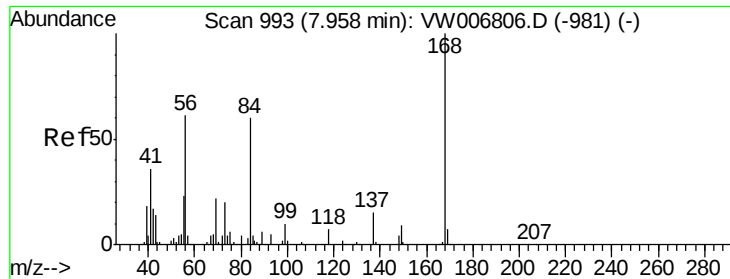
84 100

49 101.9 84.8 127.2

51 29.7 26.2 39.4

86 60.6 51.8 77.8

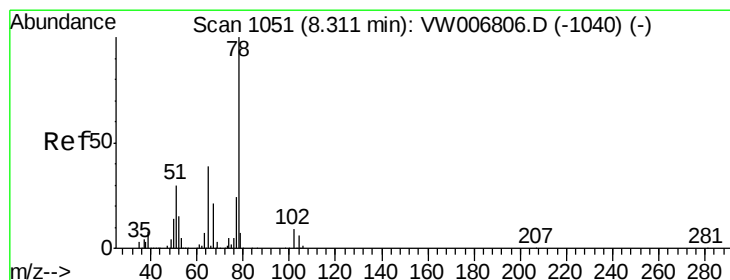
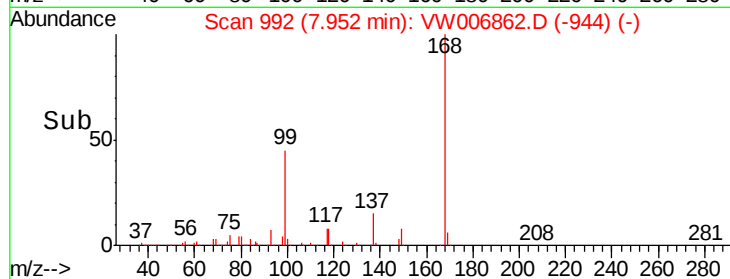
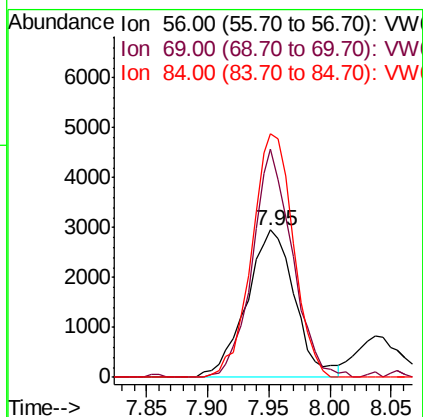
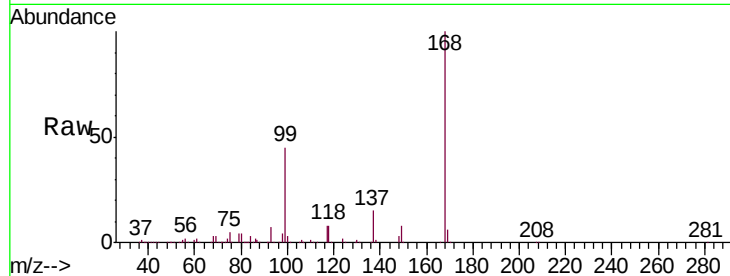




#31
Cyclohexane
Concen: 1.657 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006862.D
Acq: 13 Nov 2018 18:35

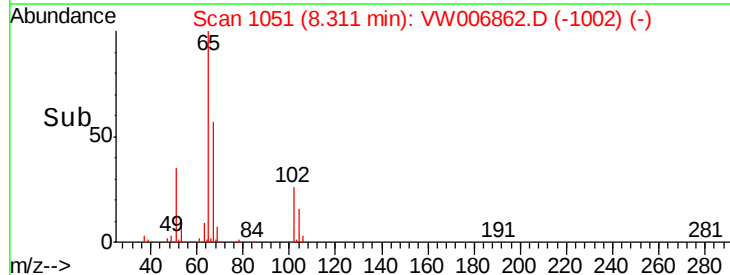
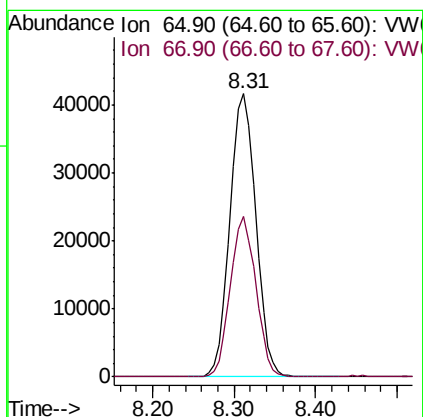
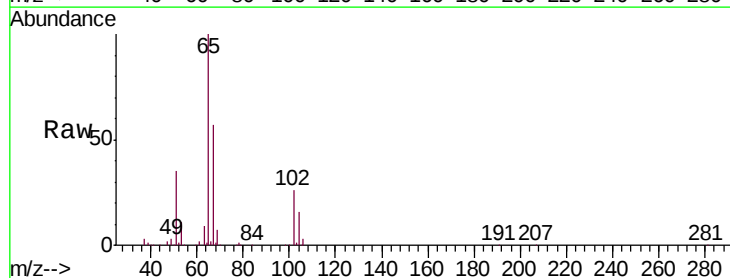
Instrument :
MSVOA_W
ClientSampled :
SB-2

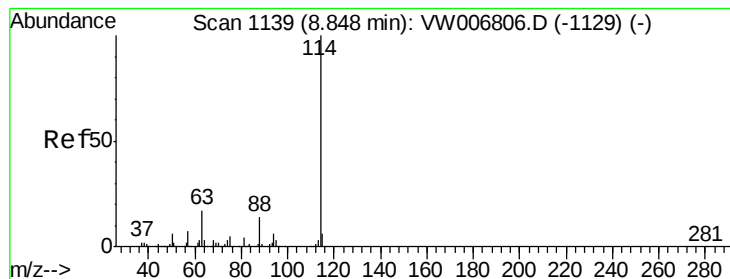
Tgt Ion: 56 Resp: 8117
Ion Ratio Lower Upper
56 100
69 154.9 28.9 43.3#
84 165.0 79.0 118.4#



#33
1,2-Dichloroethane-d4
Concen: 35.806 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VW006862.D
Acq: 13 Nov 2018 18:35

Tgt Ion: 65 Resp: 91534
Ion Ratio Lower Upper
65 100
67 55.7 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: VW006862.D

Acq: 13 Nov 2018 18:35

Instrument :

MSVOA_W

ClientSampleId :

SB-2

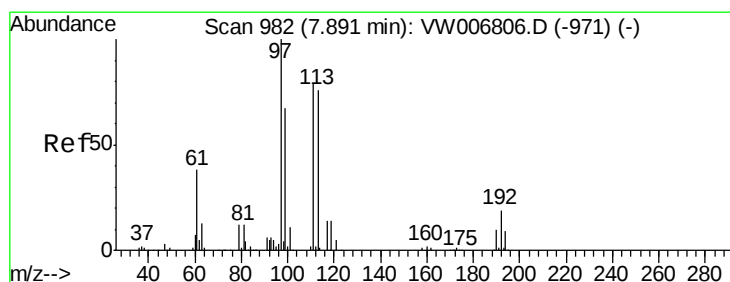
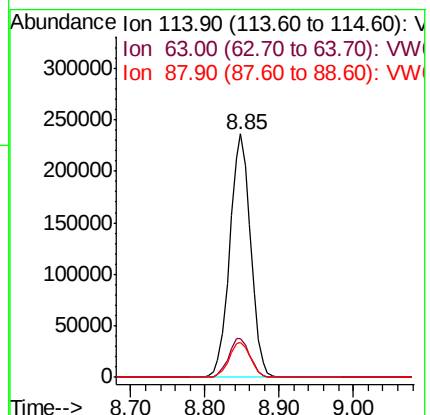
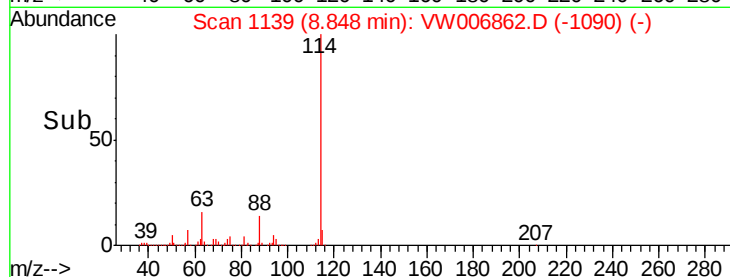
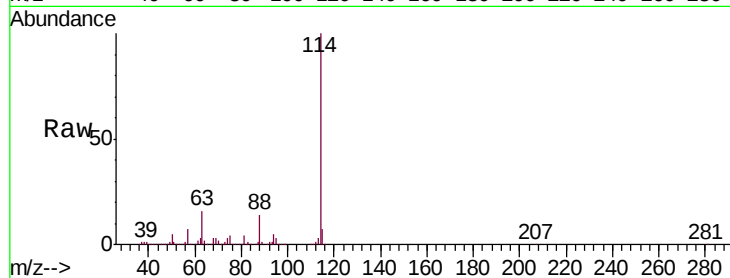
Tgt Ion:114 Resp: 458883

Ion Ratio Lower Upper

114 100

63 15.9 0.0 33.6

88 14.3 0.0 28.4



#35

Dibromofluoromethane

Concen: 35.162 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.00 min

Lab File: VW006862.D

Acq: 13 Nov 2018 18:35

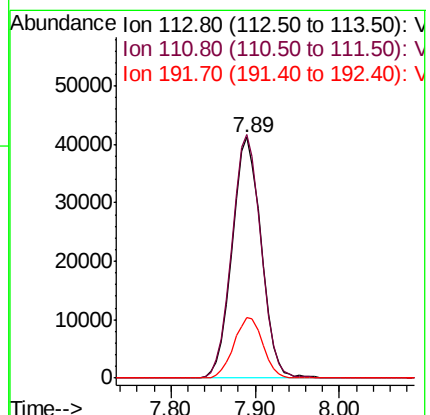
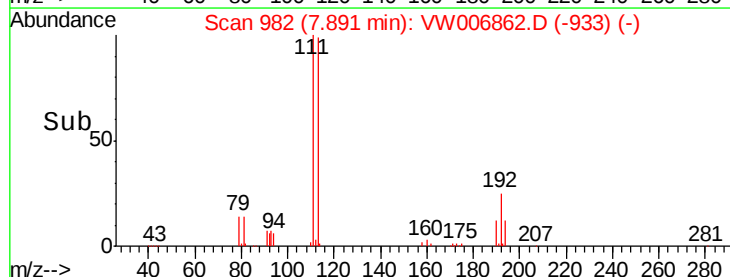
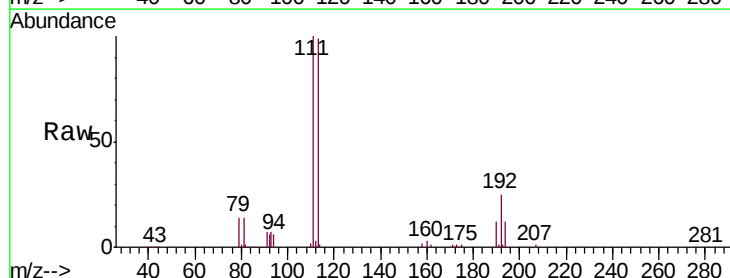
Tgt Ion:113 Resp: 96081

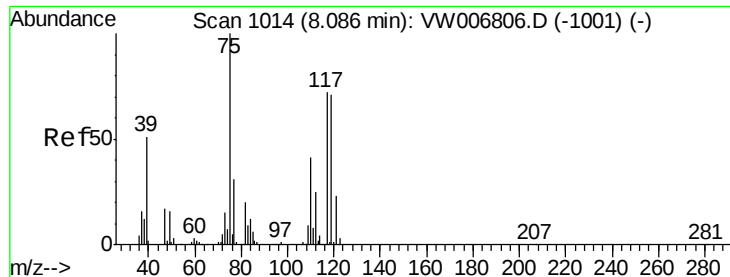
Ion Ratio Lower Upper

113 100

111 101.1 81.0 121.6

192 25.0 19.0 28.6

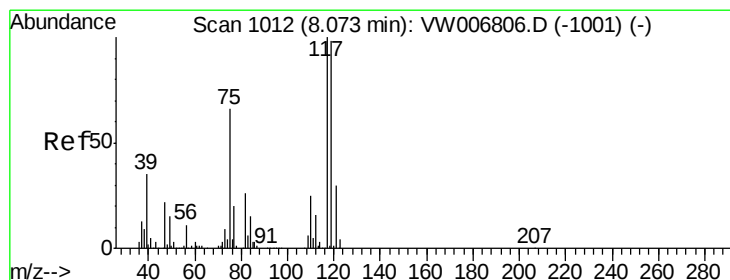
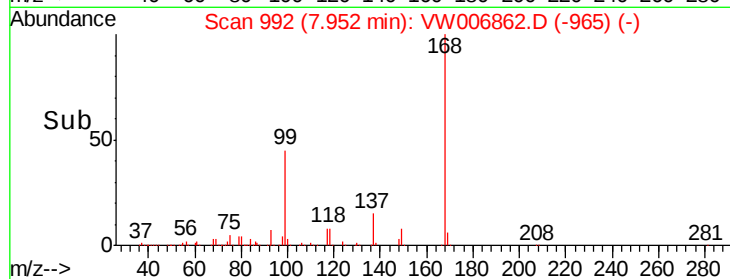
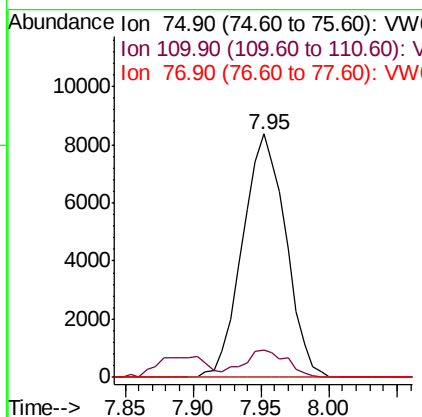
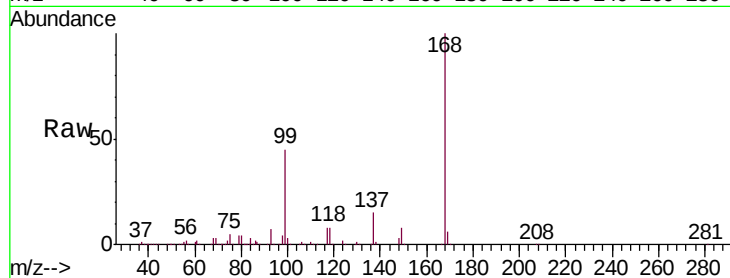




#36
 1,1-Dichloropropene
 Concen: 4.329 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006862.D
 Acq: 13 Nov 2018 18:35

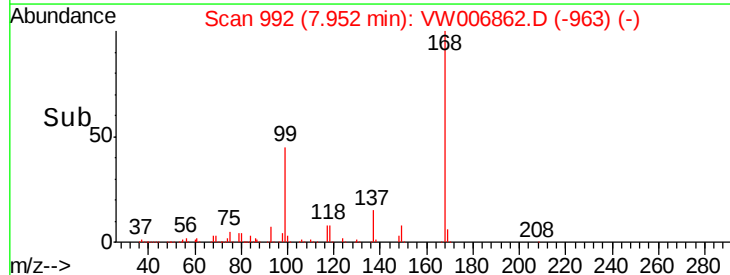
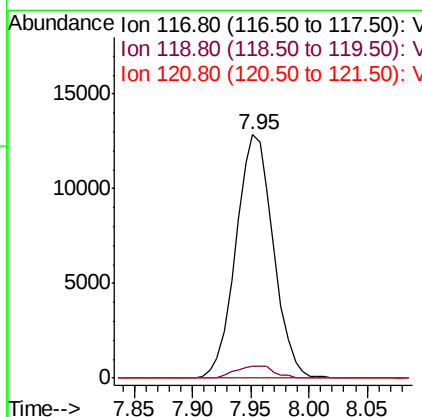
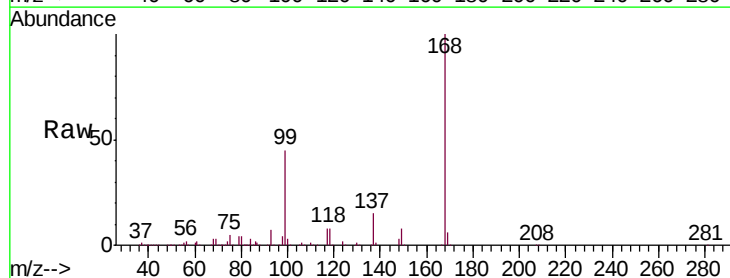
Instrument :
 MSVOA_W
 ClientSampled :
 SB-2

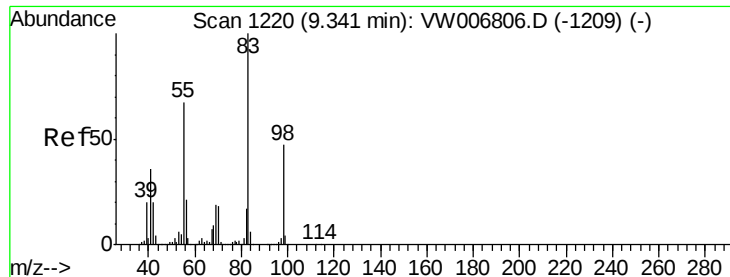
Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.2	19.9	59.6#
77	0.0	25.4	38.2#



#38
 Carbon Tetrachloride
 Concen: 6.123 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW006862.D
 Acq: 13 Nov 2018 18:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	78.5	117.7#
121	0.0	24.2	36.2#

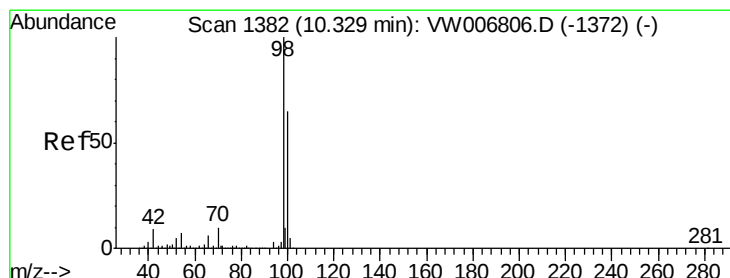
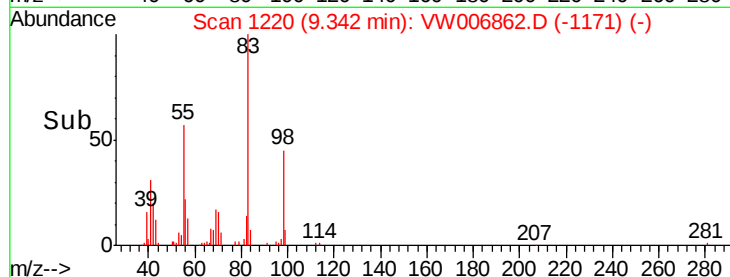
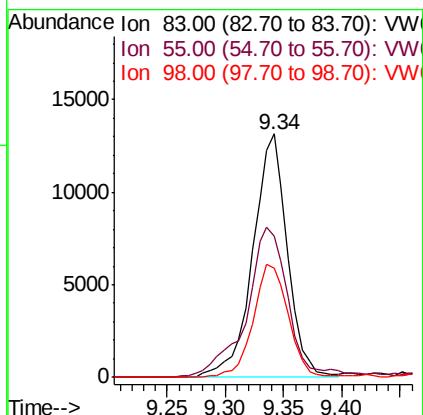
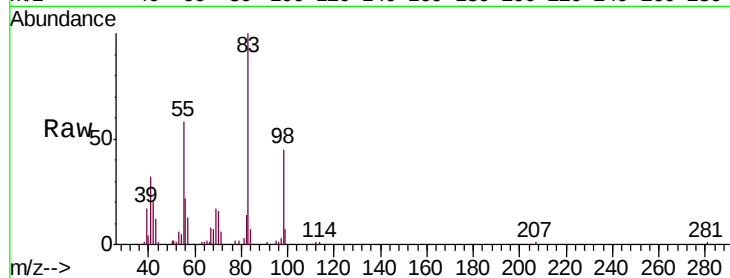




#39
Methylcyclohexane
Concen: 4.893 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VW006862.D
Acq: 13 Nov 2018 18:35

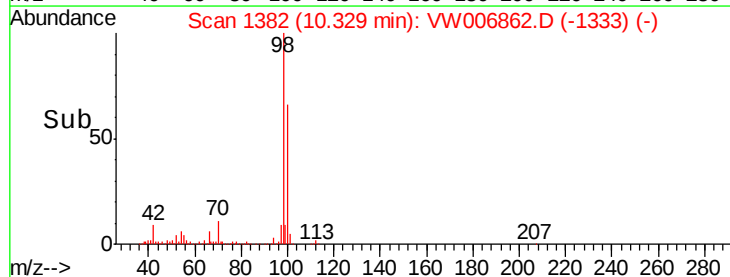
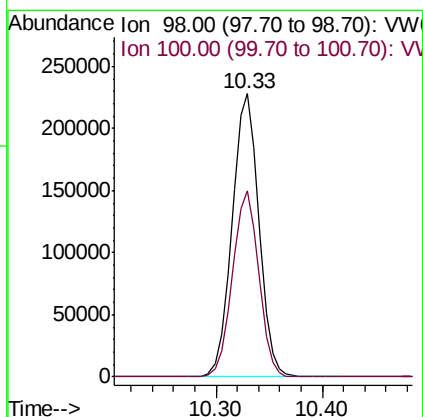
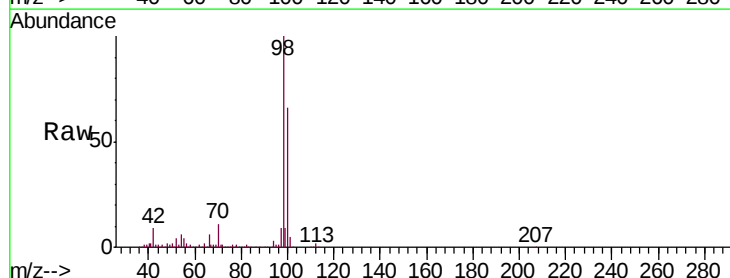
Instrument :
MSVOA_W
ClientSampleId :
SB-2

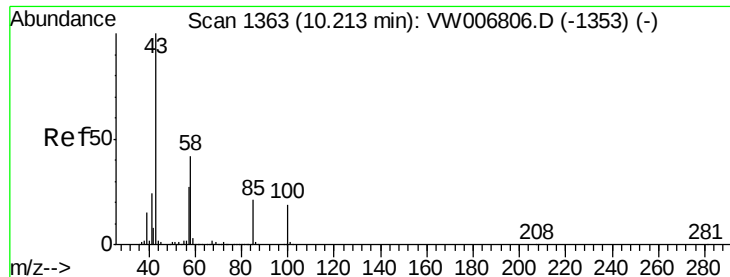
Tgt Ion: 83 Resp: 27263
Ion Ratio Lower Upper
83 100
55 57.6 53.3 79.9
98 44.9 37.9 56.9



#50
Toluene-d8
Concen: 35.461 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006862.D
Acq: 13 Nov 2018 18:35

Tgt Ion: 98 Resp: 401624
Ion Ratio Lower Upper
98 100
100 64.8 51.4 77.2





#51

4-Methyl-2-Pentanone

Concen: 1.150 ug/l

RT: 10.25 min Scan# 1369

Delta R.T. 0.04 min

Lab File: VW006862.D

Acq: 13 Nov 2018 18:35

Instrument :

MSVOA_W

ClientSampled :

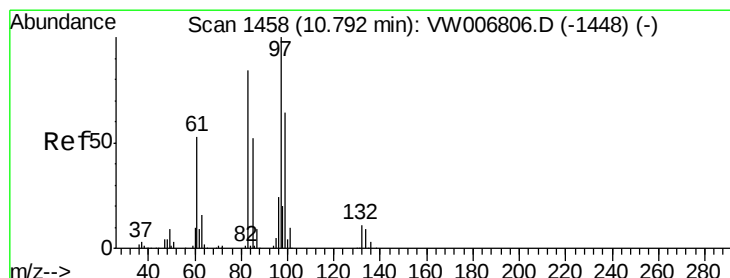
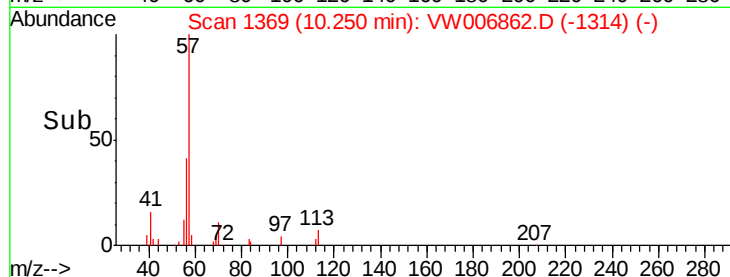
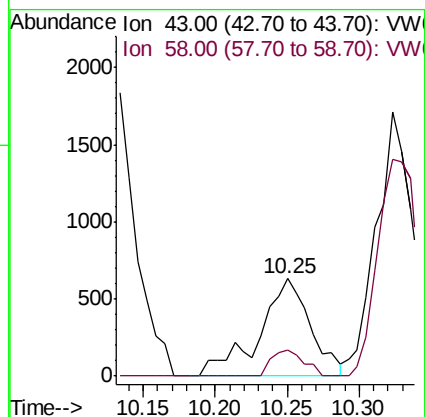
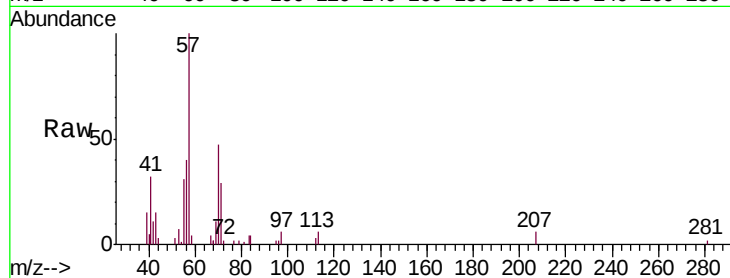
SB-2

Tgt Ion: 43 Resp: 1575

Ion Ratio Lower Upper

43 100

58 16.7 34.0 51.0#



#55

1,1,2-Trichloroethane

Concen: 5.775 ug/l

RT: 10.76 min Scan# 1453

Delta R.T. -0.03 min

Lab File: VW006862.D

Acq: 13 Nov 2018 18:35

Tgt Ion: 97 Resp: 13276

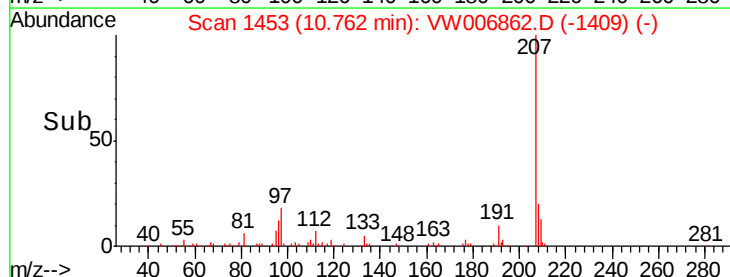
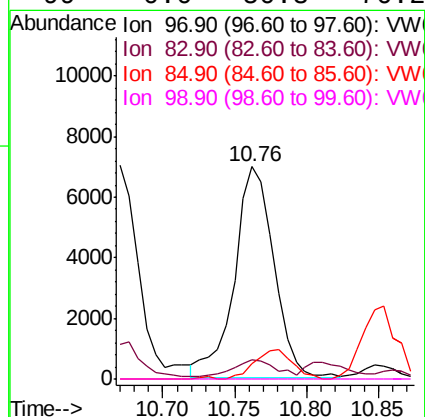
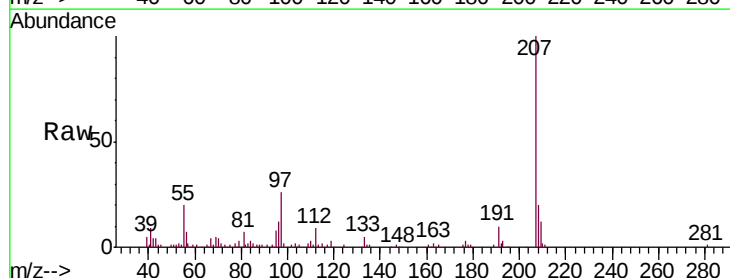
Ion Ratio Lower Upper

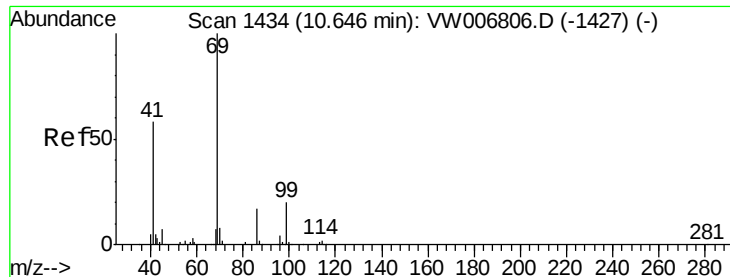
97 100

83 8.0 67.0 100.4#

85 7.2 41.7 62.5#

99 0.0 50.8 76.2#





#56

Ethyl methacrylate

Concen: 1.474 ug/l

RT: 10.66 min Scan# 1437

Delta R.T. 0.02 min

Lab File: VW006862.D

Acq: 13 Nov 2018 18:35

Instrument :

MSVOA_W

ClientSampleId :

SB-2

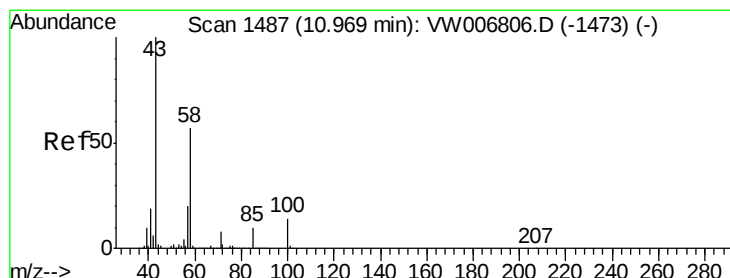
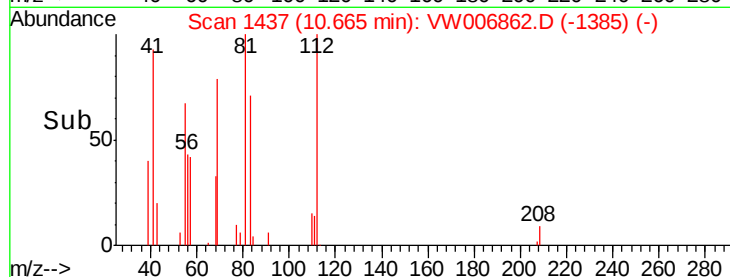
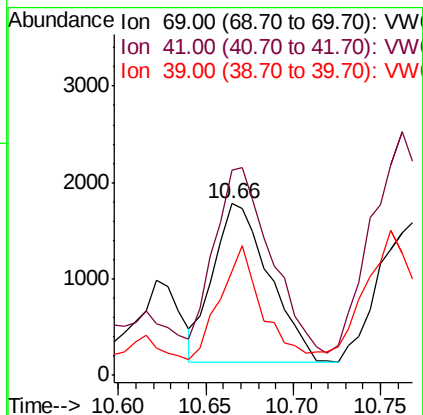
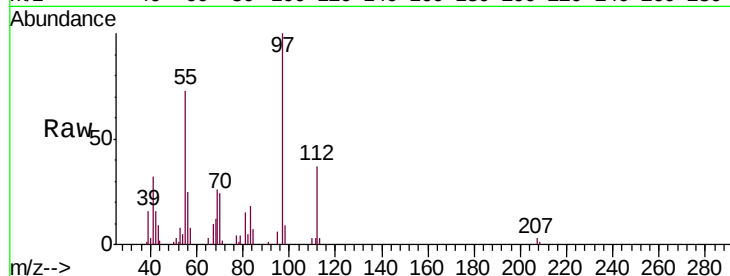
Tgt Ion: 69 Resp: 3713

Ion Ratio Lower Upper

69 100

41 116.8 47.0 70.4#

39 54.3 23.1 34.7#



#59

2-Hexanone

Concen: 12.670 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. -0.03 min

Lab File: VW006862.D

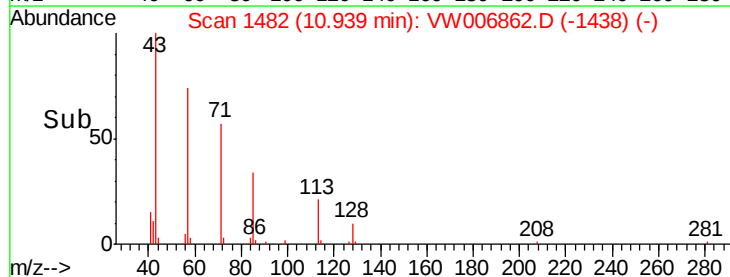
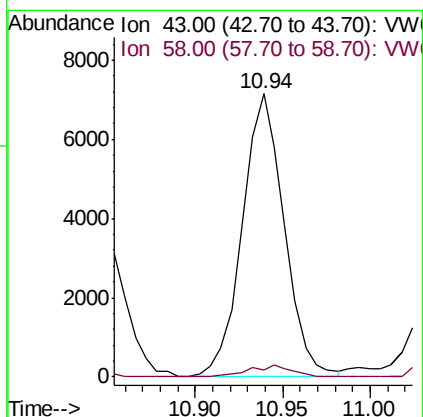
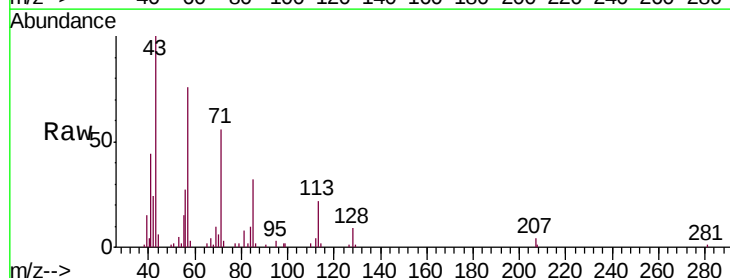
Acq: 13 Nov 2018 18:35

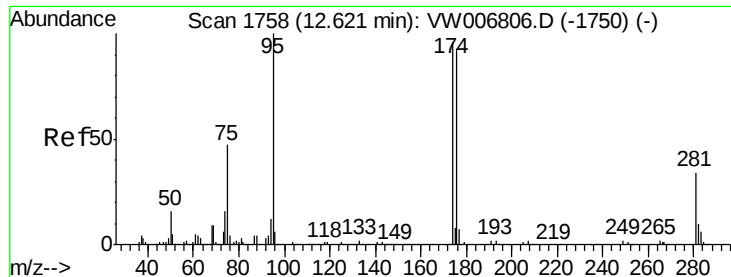
Tgt Ion: 43 Resp: 11967

Ion Ratio Lower Upper

43 100

58 4.3 28.7 86.1#

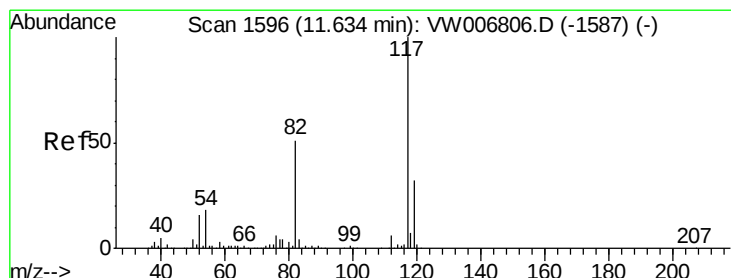
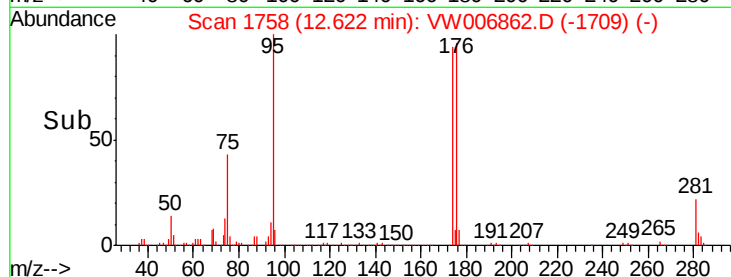
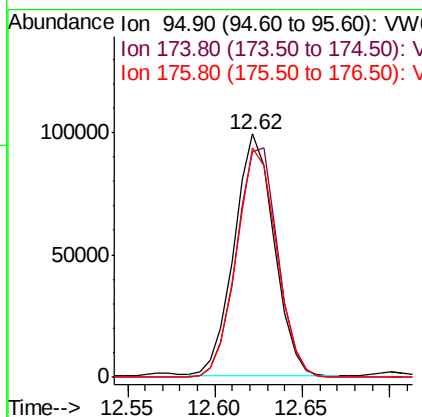
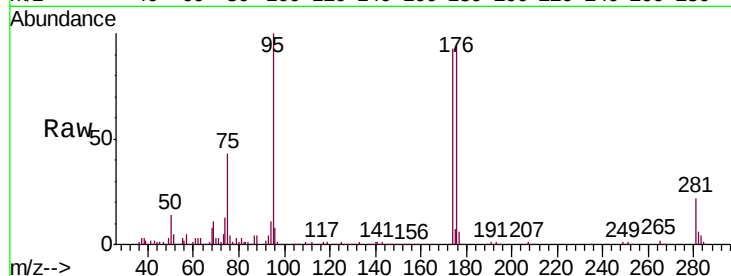




#62
4-Bromofluorobenzene
Concen: 37.715 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW006862.D
Acq: 13 Nov 2018 18:35

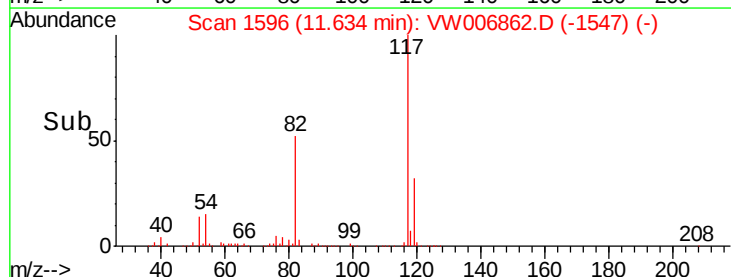
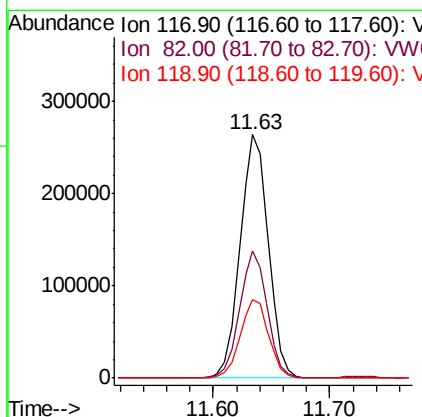
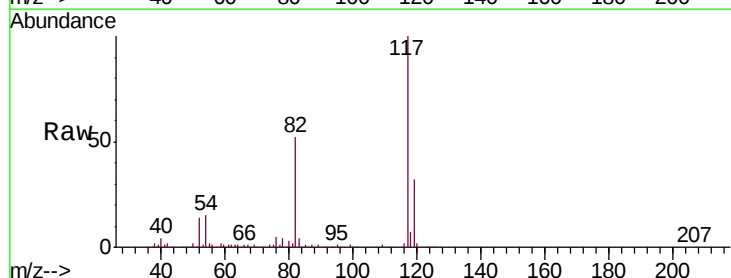
Instrument :
MSVOA_W
ClientSampleId :
SB-2

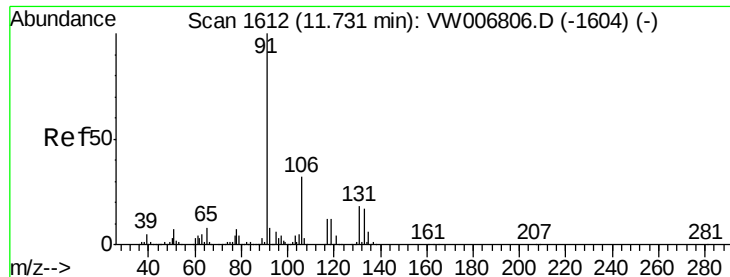
Tgt Ion: 95 Resp: 157326
Ion Ratio Lower Upper
95 100
174 97.9 0.0 196.6
176 95.4 0.0 191.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006862.D
Acq: 13 Nov 2018 18:35

Tgt Ion: 117 Resp: 445053
Ion Ratio Lower Upper
117 100
82 52.1 40.6 61.0
119 32.4 25.5 38.3





#67

Ethyl Benzene

Concen: 2.352 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. 0.01 min

Lab File: VW006862.D

Acq: 13 Nov 2018 18:35

Instrument :

MSVOA_W

ClientSampled :

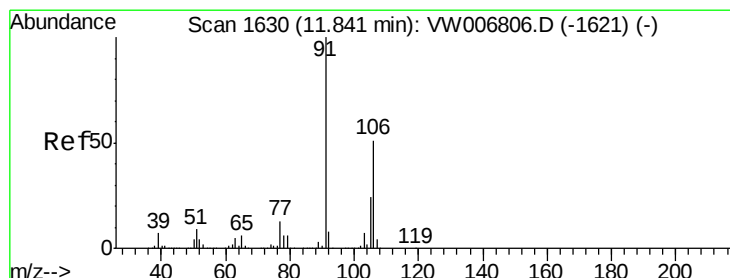
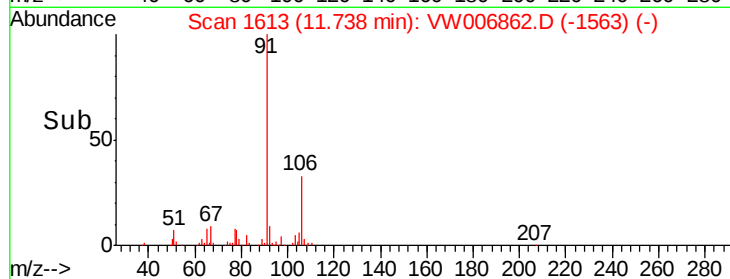
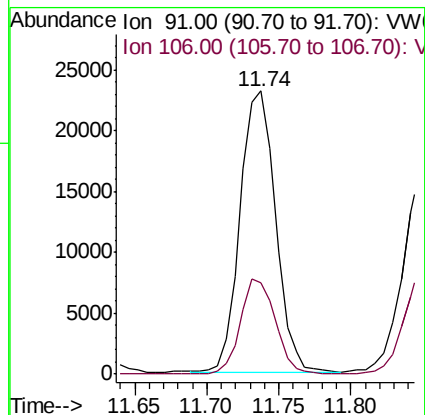
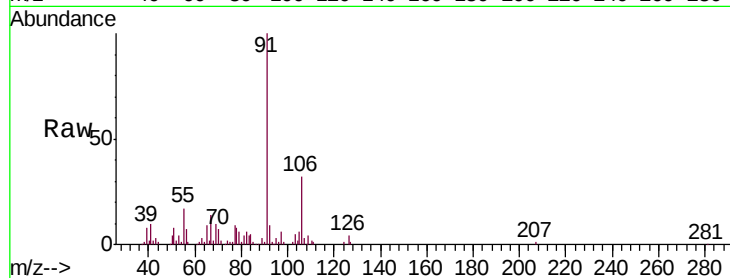
SB-2

Tgt Ion: 91 Resp: 39595

Ion Ratio Lower Upper

91 100

106 32.6 25.4 38.0



#68

m/p-Xylenes

Concen: 2.017 ug/l

RT: 11.85 min Scan# 1631

Delta R.T. 0.01 min

Lab File: VW006862.D

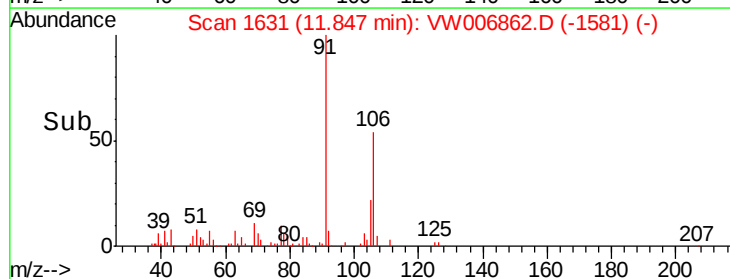
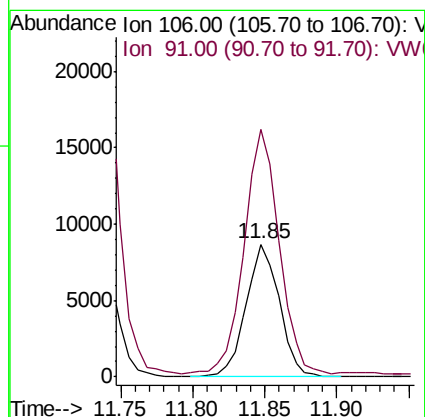
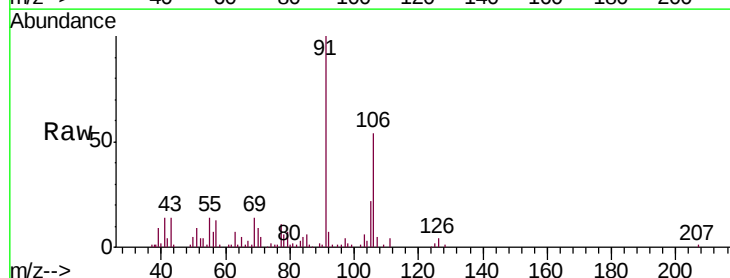
Acq: 13 Nov 2018 18:35

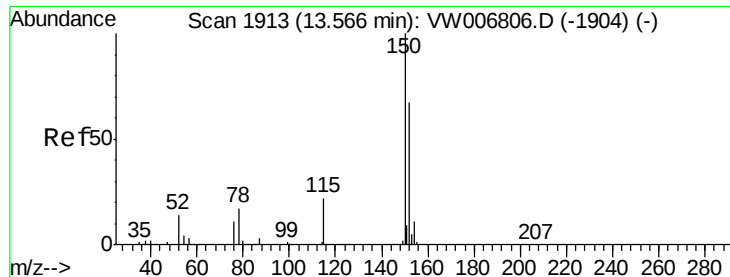
Tgt Ion: 106 Resp: 13889

Ion Ratio Lower Upper

106 100

91 193.7 155.7 233.5



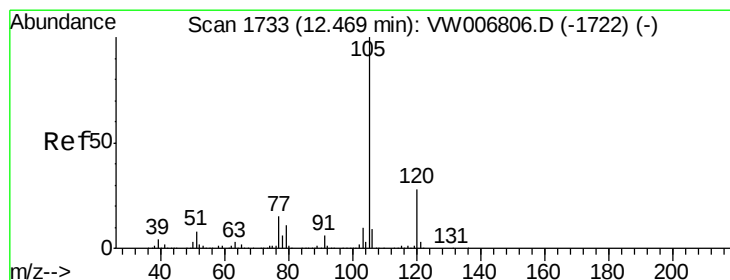
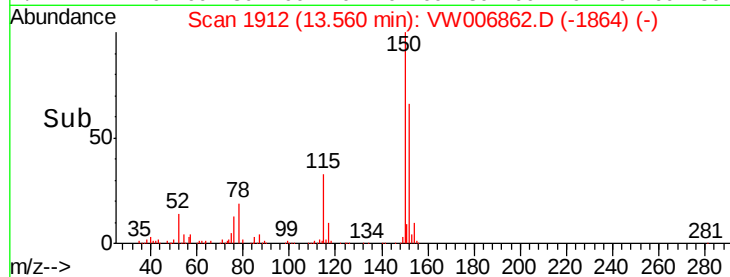
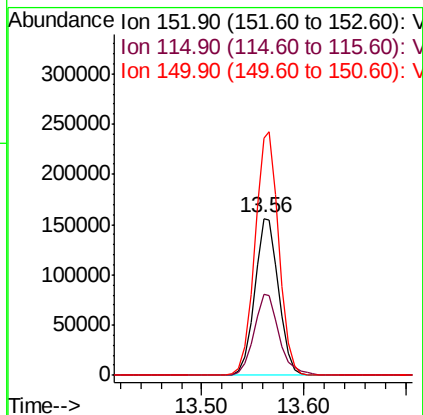
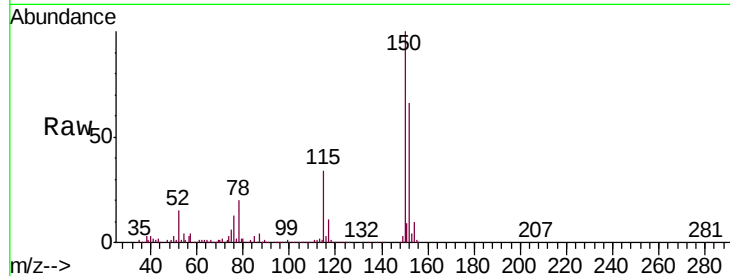


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.01 min
Lab File: VW006862.D
Acq: 13 Nov 2018 18:35

Instrument :
MSVOA_W
ClientSampleId :
SB-2

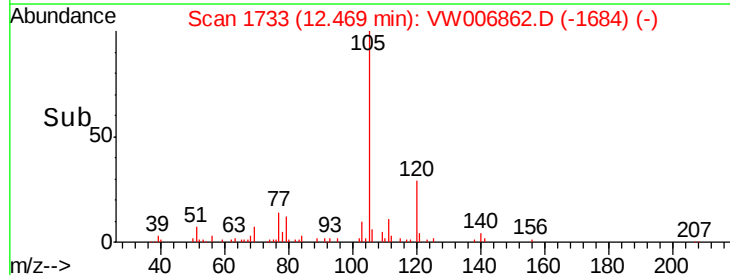
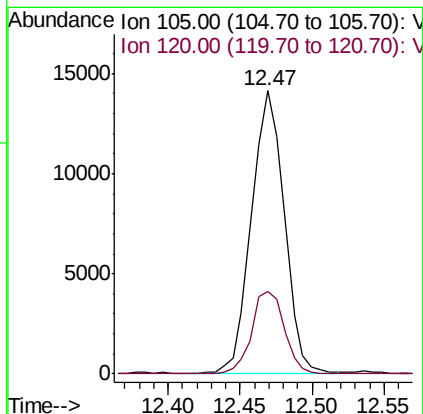
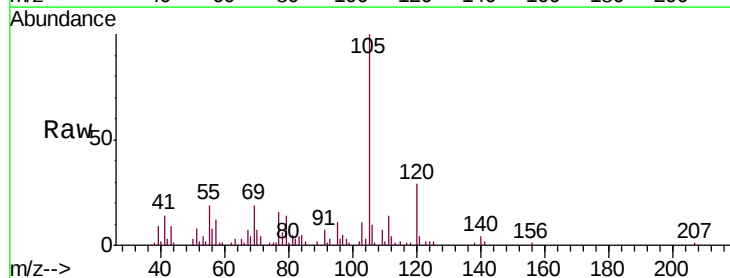
Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	27.3	81.8
150	155.6	0.0	353.0

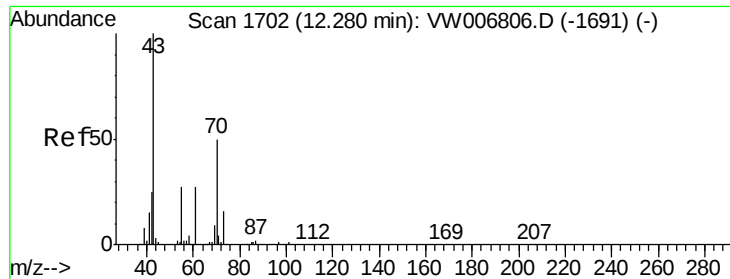


#73

Isopropylbenzene
Concen: 1.270 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW006862.D
Acq: 13 Nov 2018 18:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.8	14.0	42.0

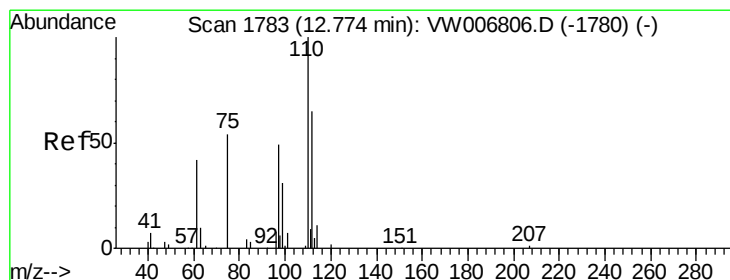
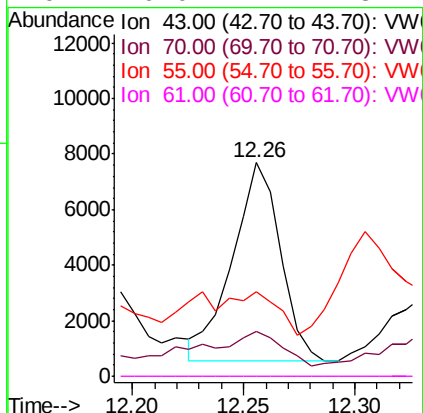
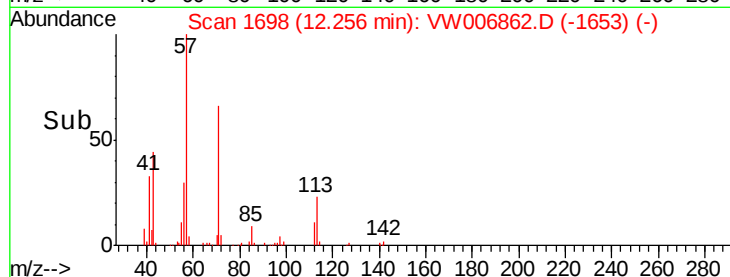
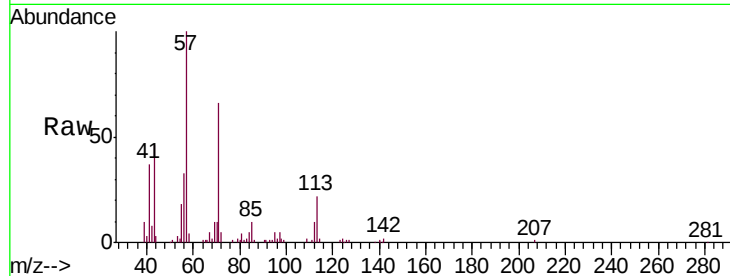




#74
N-amyI acetate
Concen: 4.018 ug/l
RT: 12.26 min Scan# 1698
Delta R.T. -0.02 min
Lab File: VW006862.D
Acq: 13 Nov 2018 18:35

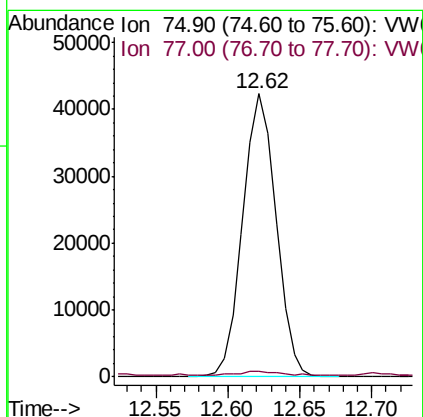
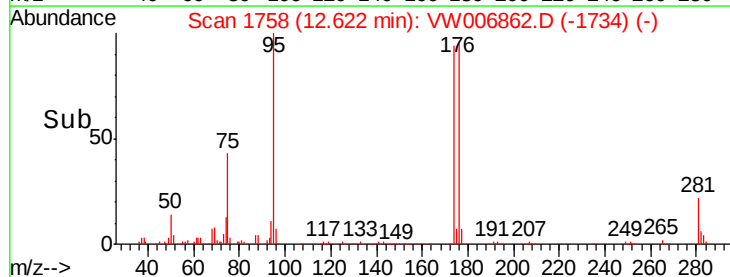
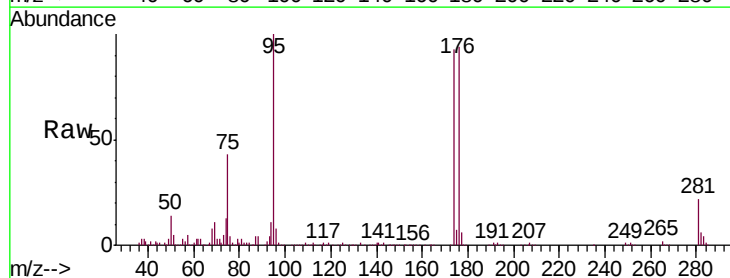
Instrument :
MSVOA_W
ClientSampled :
SB-2

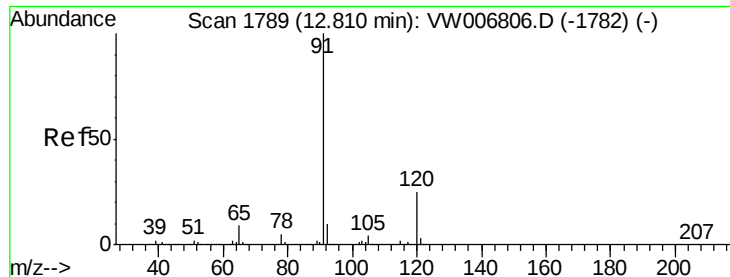
Tgt Ion: 43 Resp: 10691
Ion Ratio Lower Upper
43 100
70 26.8 39.0 58.4#
55 0.0 22.1 33.1#
61 0.0 21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 37.153 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW006862.D
Acq: 13 Nov 2018 18:35

Tgt Ion: 75 Resp: 67883
Ion Ratio Lower Upper
75 100
77 2.0 0.0 0.0#





#78

n-propylbenzene

Concen: 4.796 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006862.D

Acq: 13 Nov 2018 18:35

Instrument :

MSVOA_W

ClientSampleId :

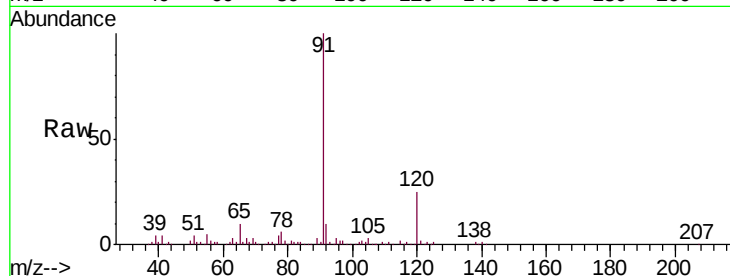
SB-2

Tgt Ion: 91 Resp: 99613

Ion Ratio Lower Upper

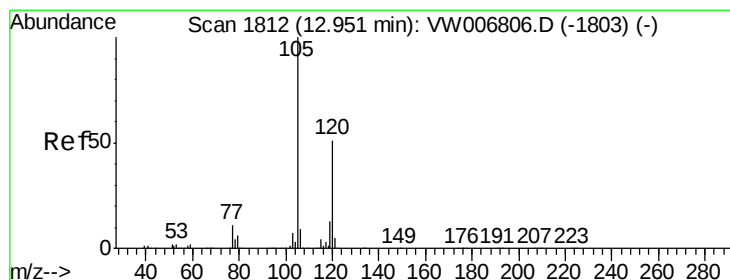
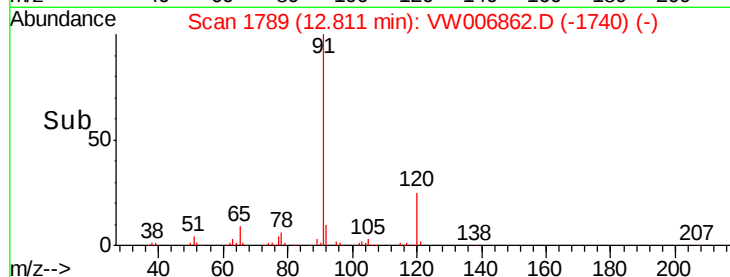
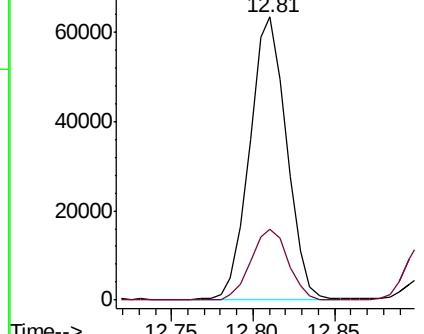
91 100

120 25.5 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V



#80

1,3,5-Trimethylbenzene

Concen: 3.401 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006862.D

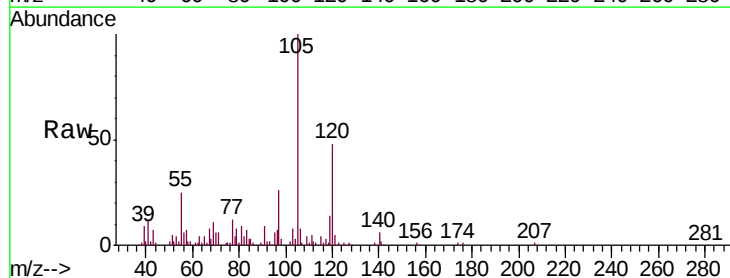
Acq: 13 Nov 2018 18:35

Tgt Ion: 105 Resp: 51447

Ion Ratio Lower Upper

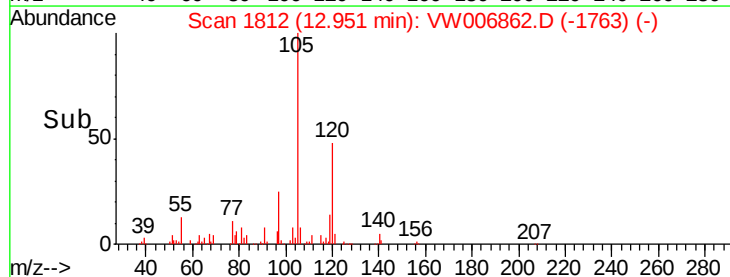
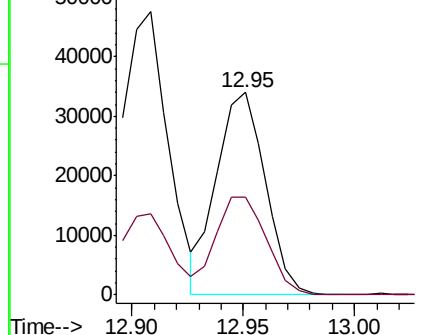
105 100

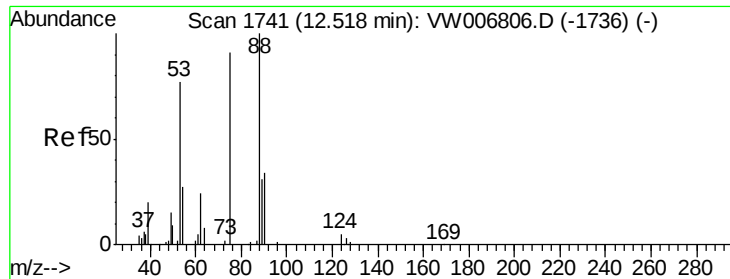
120 50.8 25.3 75.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

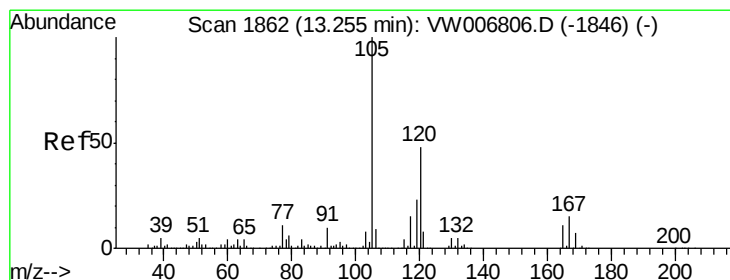
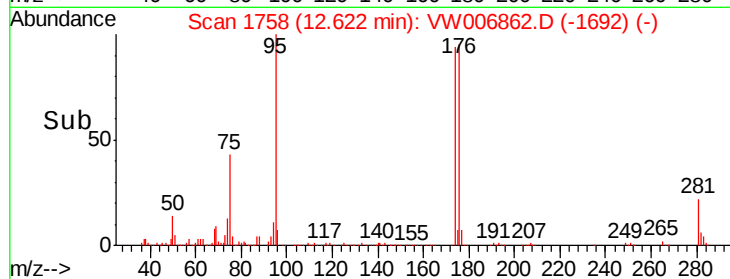
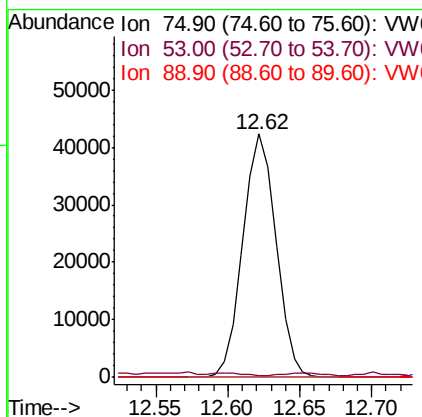
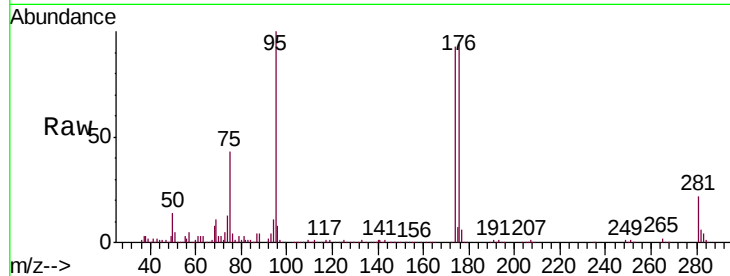




#81
trans-1,4-Dichloro-2-butene
Concen: 91.900 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.10 min
Lab File: VW006862.D
Acq: 13 Nov 2018 18:35

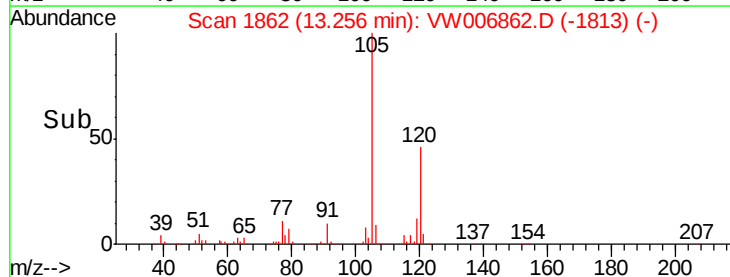
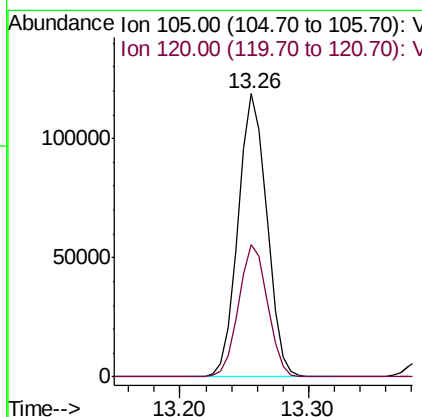
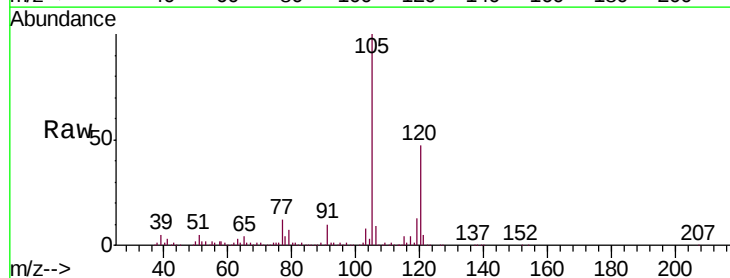
Instrument :
MSVOA_W
ClientSampled :
SB-2

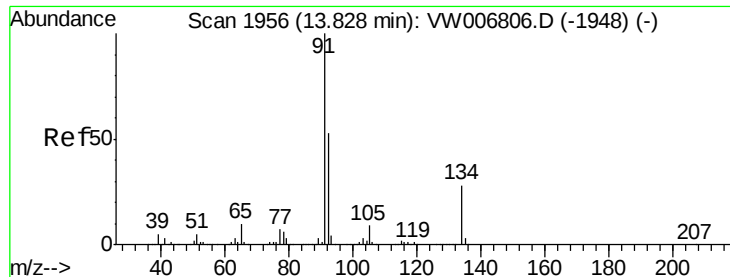
Tgt Ion: 75 Resp: 67883
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.1 38.7 58.1#



#84
1,2,4-Trimethylbenzene
Concen: 11.954 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW006862.D
Acq: 13 Nov 2018 18:35

Tgt Ion: 105 Resp: 184044
Ion Ratio Lower Upper
105 100
120 46.8 23.4 70.0





#89

n-Butylbenzene

Concen: 2.709 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006862.D

Acq: 13 Nov 2018 18:35

Instrument :

MSVOA_W

ClientSampled :

SB-2

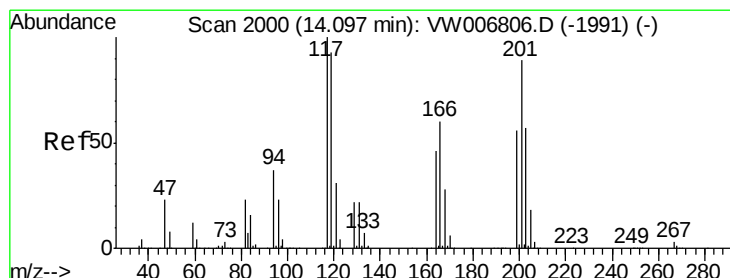
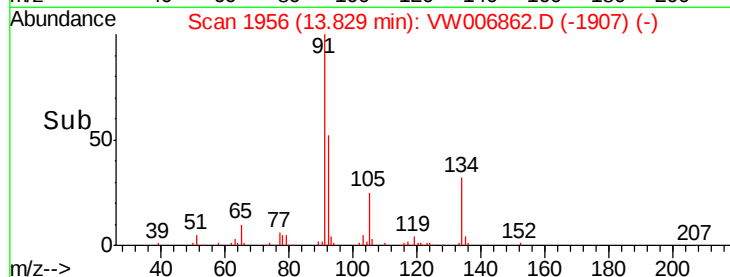
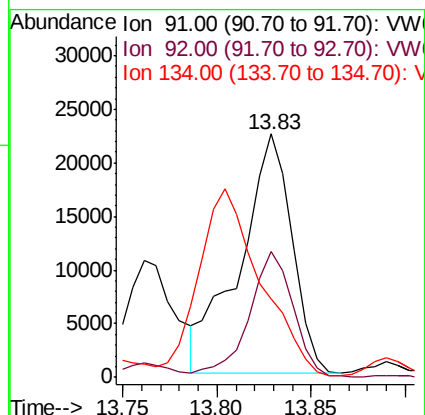
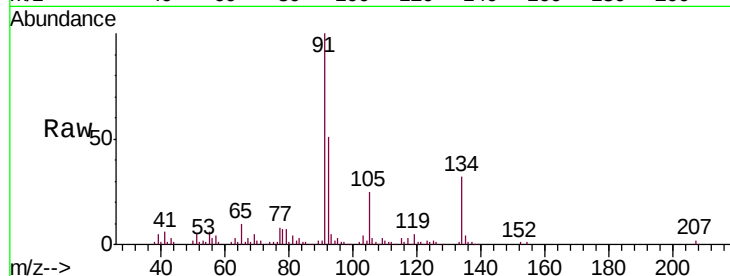
Tgt Ion: 91 Resp: 42678

Ion Ratio Lower Upper

91 100

92 44.1 26.5 79.4

134 0.0 14.4 43.2#



#90

Hexachloroethane

Concen: 4.690 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW006862.D

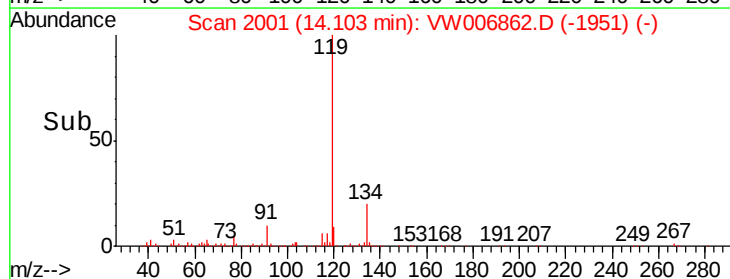
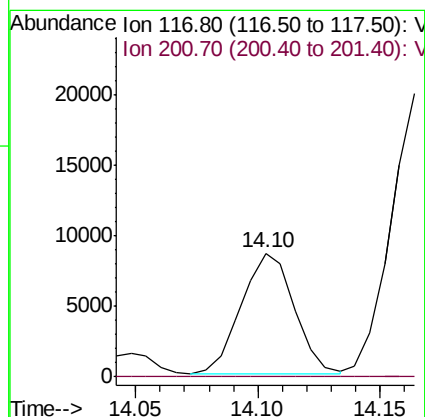
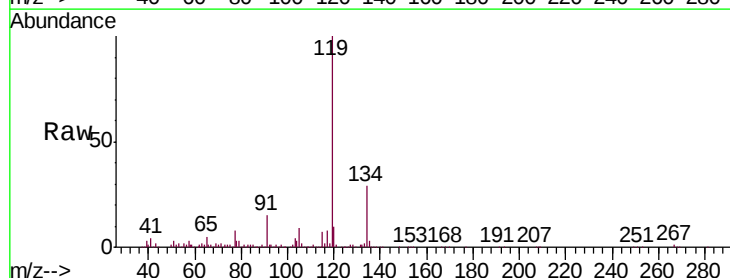
Acq: 13 Nov 2018 18:35

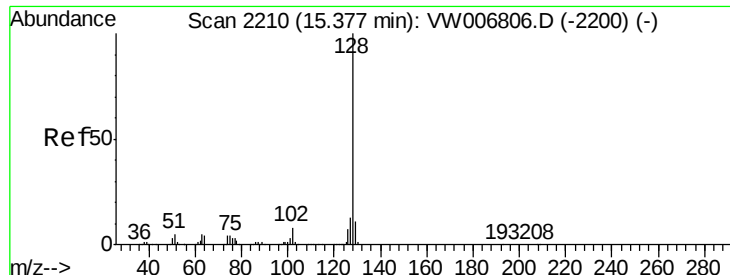
Tgt Ion: 117 Resp: 12936

Ion Ratio Lower Upper

117 100

201 0.0 46.9 140.6#





#95

Naphthalene

Concen: 6.437 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW006862.D

Acq: 13 Nov 2018 18:35

Instrument :

MSVOA_W

ClientSampleId :

SB-2

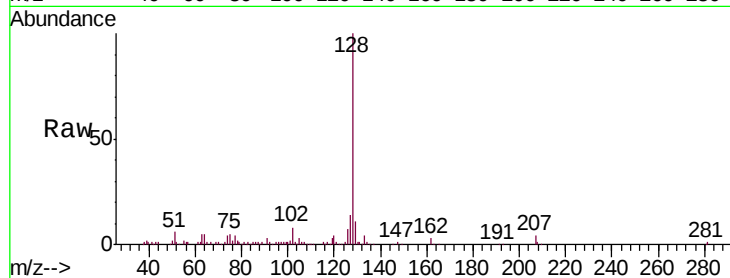
Tgt Ion:128 Resp: 57239

Ion Ratio Lower Upper

128 100

127 13.4 10.3 15.5

129 11.2 8.6 13.0



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

