

Data File : VW006866.D
Acq On : 13 Nov 2018 20:17
Operator : SY/AP
Sample : J5895-03RE
Misc : 7.72G/5ML/MSVOA_W/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-2

Quant Time: Nov 14 04:07:39 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	350548	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	483631	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	464541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	245264	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	115547	45.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.18%	
35) Dibromofluoromethane	7.89	113	122604	42.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.14%	
50) Toluene-d8	10.33	98	523744	43.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.76%	
62) 4-Bromofluorobenzene	12.62	95	191897	43.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.30%	

Target Compounds

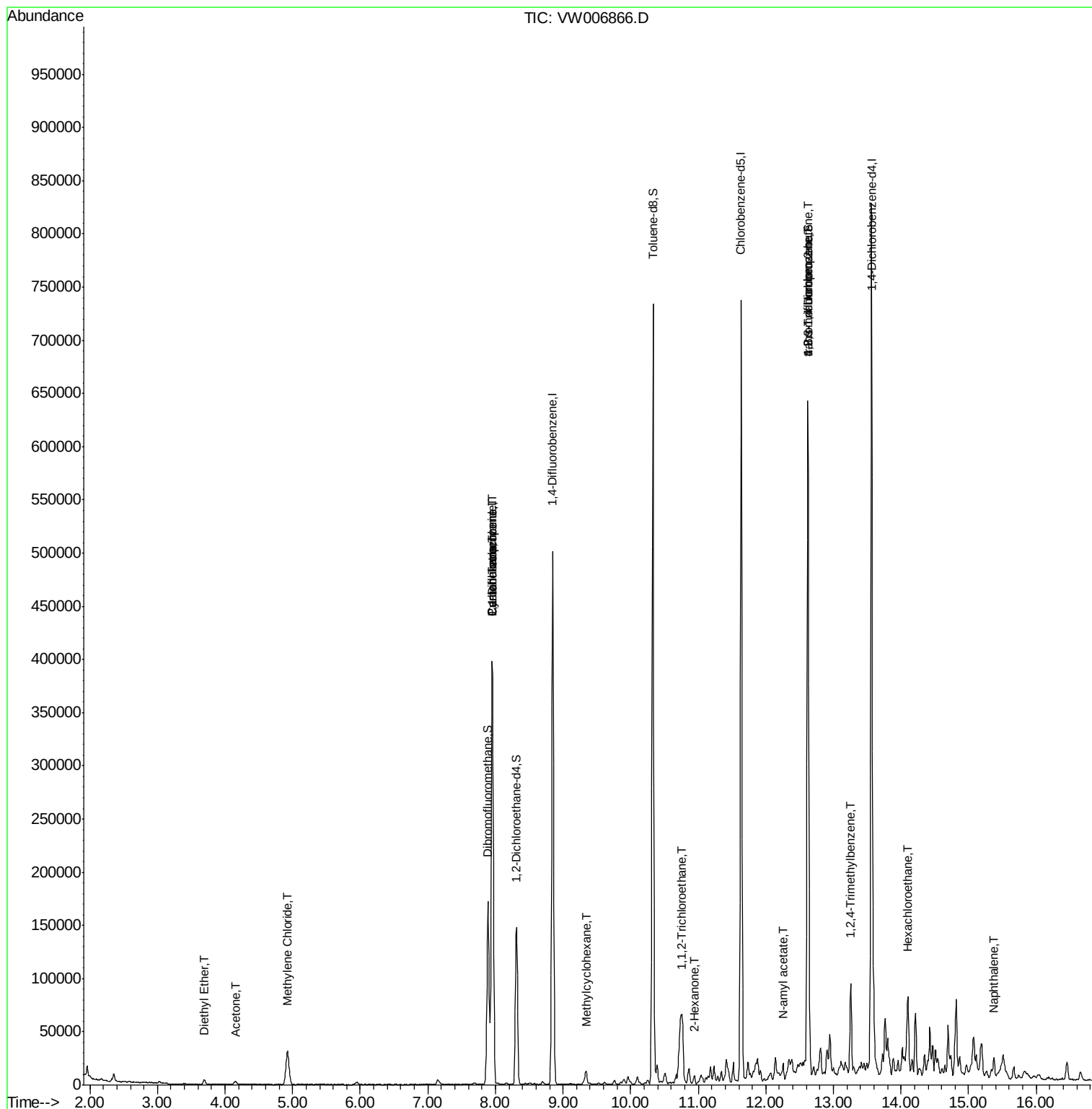
						Qvalue
8) Diethyl Ether	3.68	74	2512	1.852	ug/l	95
16) Acetone	4.16	43	5502	14.950	ug/l	94
20) Methylene Chloride	4.92	84	28552	3.709	ug/l	92
31) Cyclohexane	7.95	56	5195	1.058	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19279	4.260	ug/l #	47
38) Carbon Tetrachloride	7.95	117	28770	5.849	ug/l #	16
39) Methylcyclohexane	9.34	83	5999	1.022	ug/l	94
55) 1,1,2-Trichloroethane	10.76	97	4443	1.834	ug/l #	21
59) 2-Hexanone	10.94	43	2951	2.964	ug/l #	22
74) N-amyl acetate	12.26	43	3069	1.192	ug/l #	53
76) 1,2,3-Trichloropropane	12.62	75	84583	47.854	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	84583	118.370	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.26	105	49567	3.328	ug/l	100
90) Hexachloroethane	14.10	117	3447	1.292	ug/l #	3
95) Naphthalene	15.38	128	16863	1.960	ug/l	96

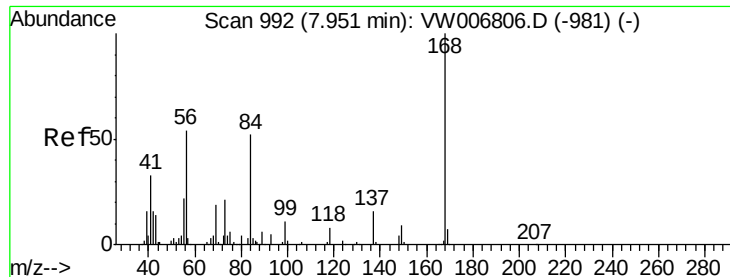
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW006866.D

Acq: 13 Nov 2018 20:17

Instrument :

MSVOA_W

ClientSampled :

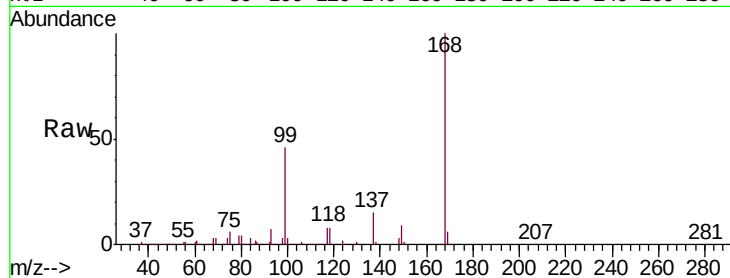
SB-2

Tgt Ion:168 Resp: 350548

Ion Ratio Lower Upper

168 100

99 46.2 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

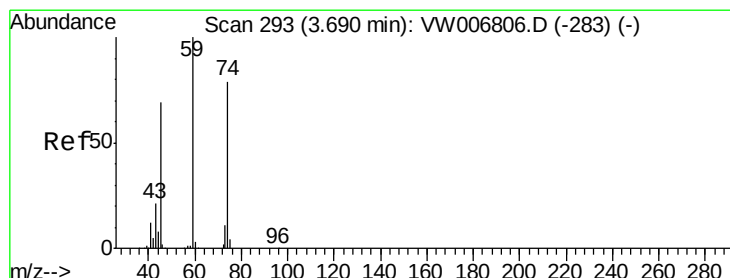
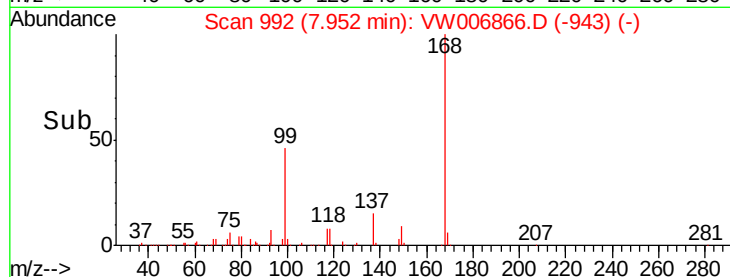
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.852 ug/l

RT: 3.68 min Scan# 292

Delta R.T. -0.01 min

Lab File: VW006866.D

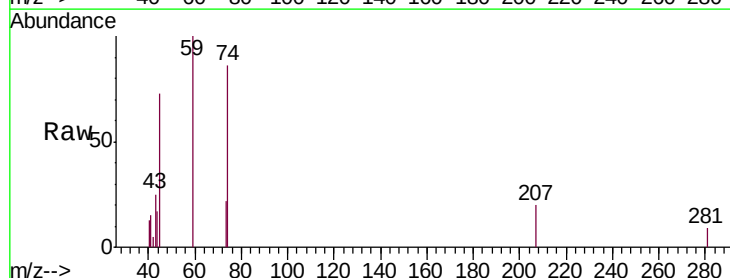
Acq: 13 Nov 2018 20:17

Tgt Ion: 74 Resp: 2512

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

3.68

1200

1000

800

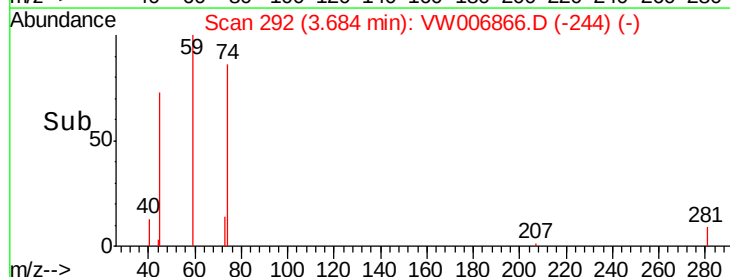
600

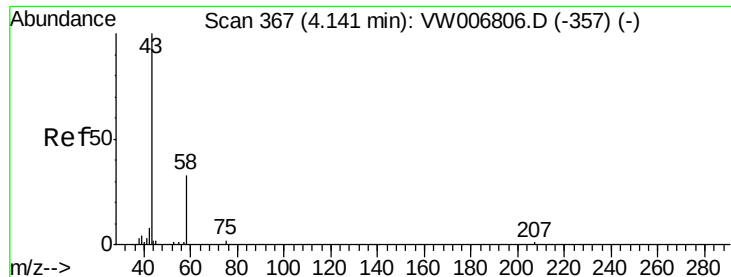
400

200

0

Time-->





#16

Acetone

Concen: 14.950 ug/l

RT: 4.16 min Scan# 370

Delta R.T. 0.02 min

Lab File: VW006866.D

Acq: 13 Nov 2018 20:17

Instrument :

MSVOA_W

ClientSampleId :

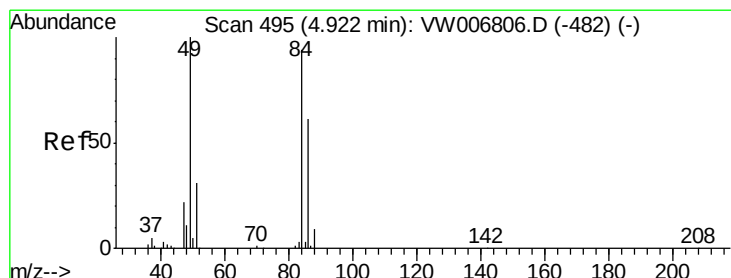
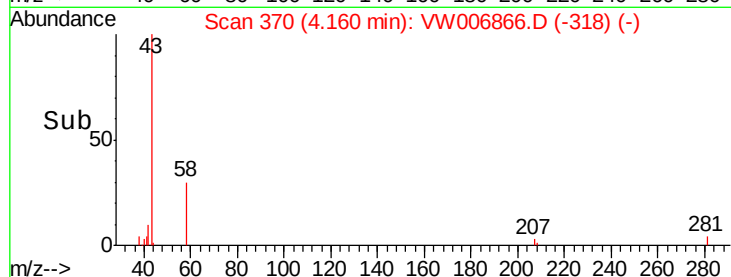
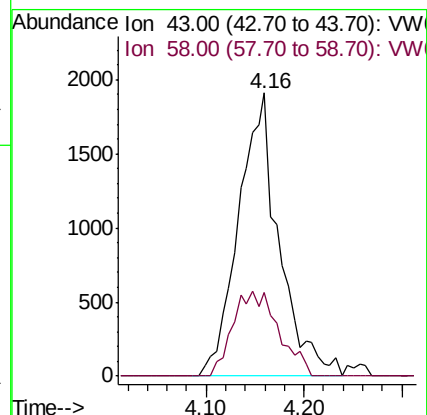
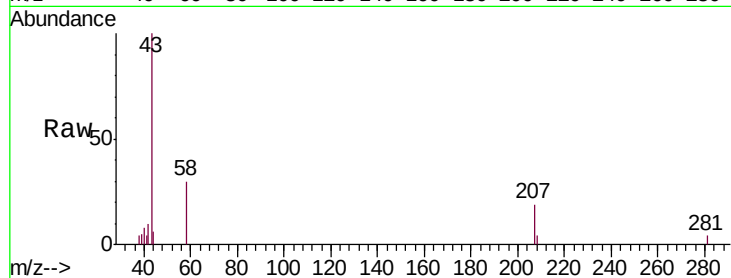
SB-2

Tgt Ion: 43 Resp: 5502

Ion Ratio Lower Upper

43 100

58 29.6 26.5 39.7



#20

Methylene Chloride

Concen: 3.709 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW006866.D

Acq: 13 Nov 2018 20:17

Tgt Ion: 84 Resp: 28552

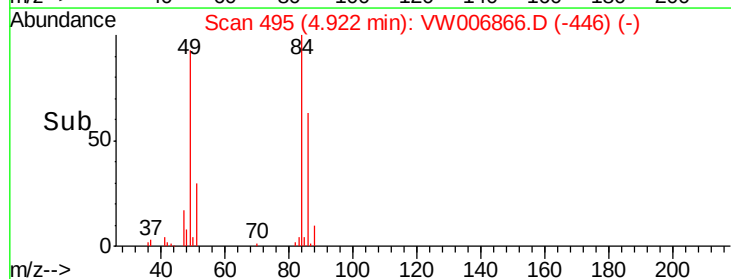
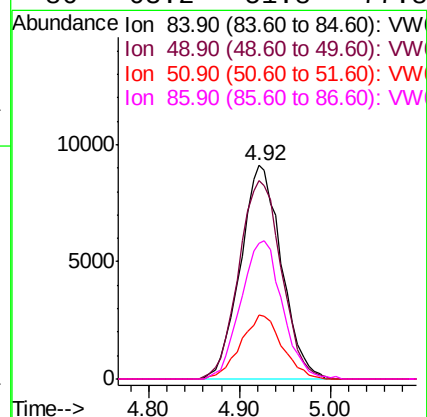
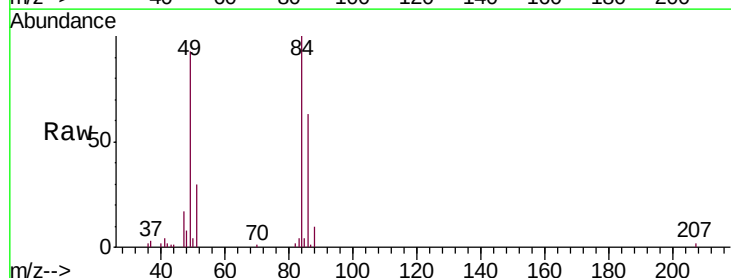
Ion Ratio Lower Upper

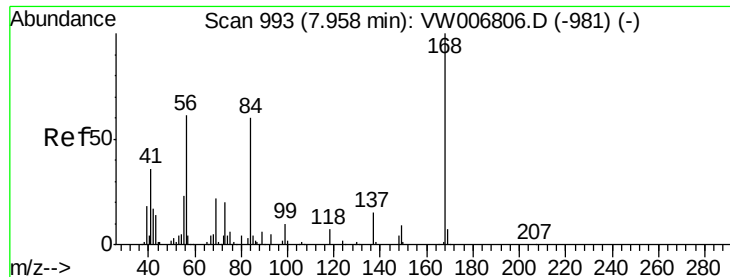
84 100

49 93.0 84.8 127.2

51 30.2 26.2 39.4

86 63.2 51.8 77.8

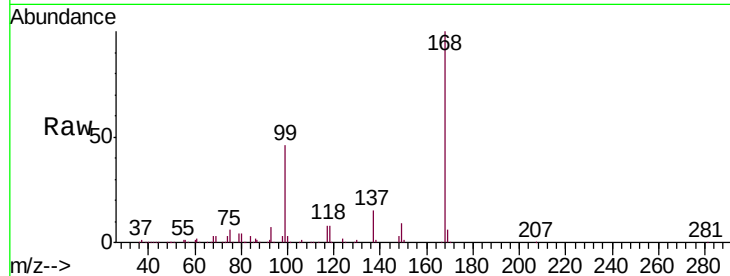




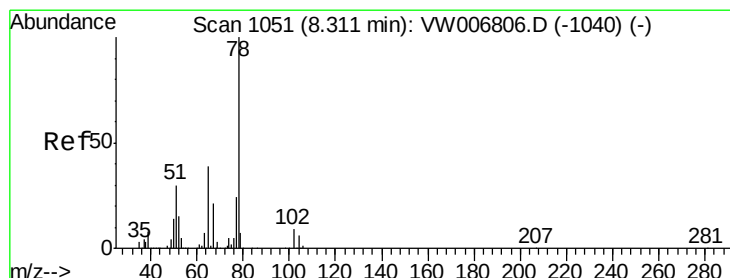
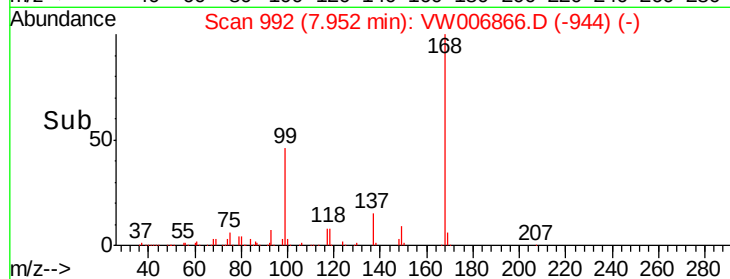
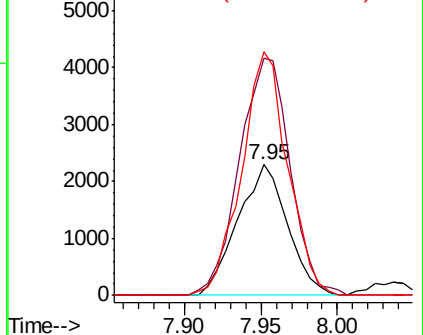
#31
Cyclohexane
Concen: 1.058 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006866.D
Acq: 13 Nov 2018 20:17

Instrument :
MSVOA_W
ClientSampled :
SB-2

Tgt Ion: 56 Resp: 5195
Ion Ratio Lower Upper
56 100
69 182.0 28.9 43.3#
84 186.5 79.0 118.4#

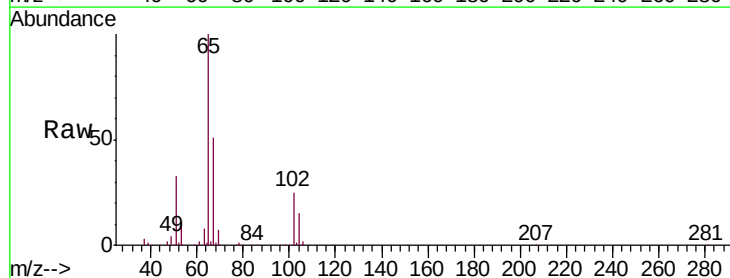


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

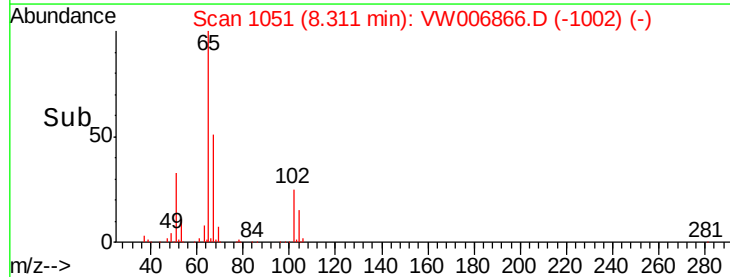
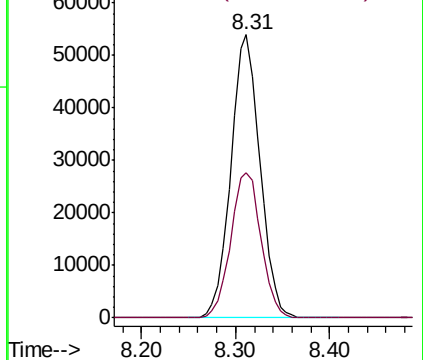


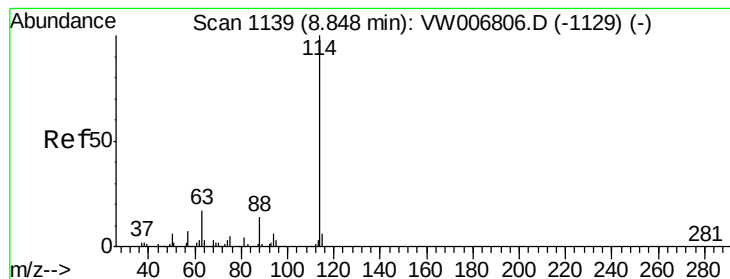
#33
1,2-Dichloroethane-d4
Concen: 45.090 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VW006866.D
Acq: 13 Nov 2018 20:17

Tgt Ion: 65 Resp: 115547
Ion Ratio Lower Upper
65 100
67 53.3 0.0 104.4



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# 1139

Delta R.T. 0.00 min

Lab File: VW006866.D

Acq: 13 Nov 2018 20:17

Instrument :

MSVOA_W

ClientSampleId :

SB-2

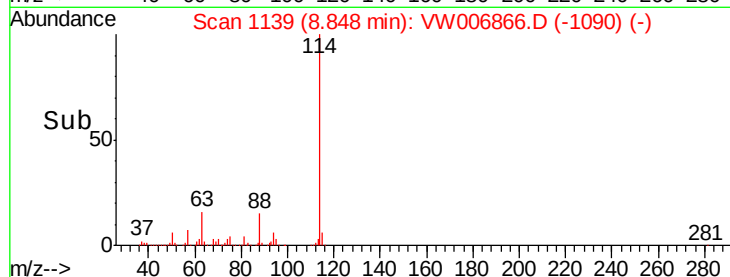
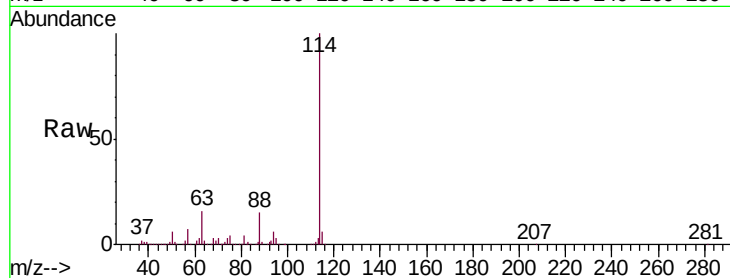
Tgt Ion:114 Resp: 483631

Ion Ratio Lower Upper

114 100

63 16.5 0.0 33.6

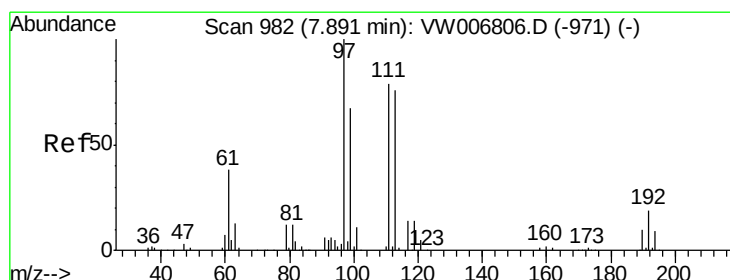
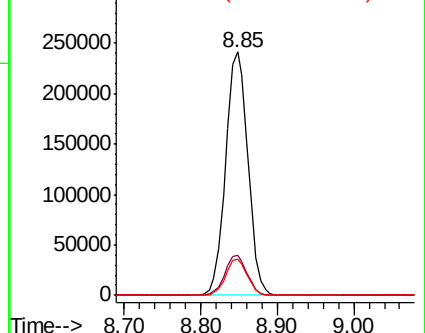
88 14.9 0.0 28.4



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: 42.573 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.00 min

Lab File: VW006866.D

Acq: 13 Nov 2018 20:17

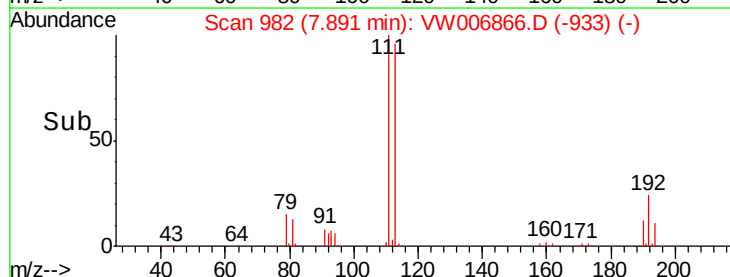
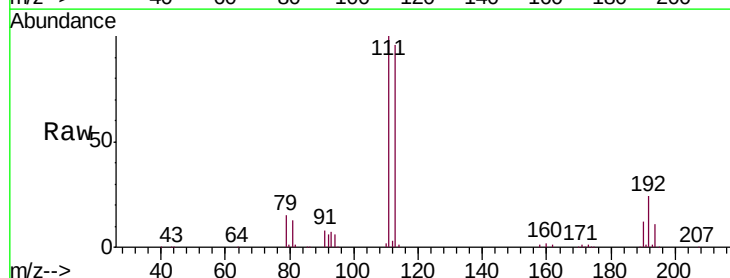
Tgt Ion:113 Resp: 122604

Ion Ratio Lower Upper

113 100

111 101.7 81.0 121.6

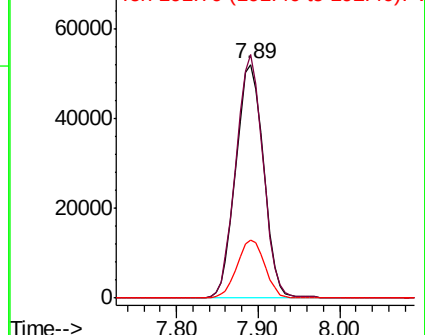
192 24.7 19.0 28.6

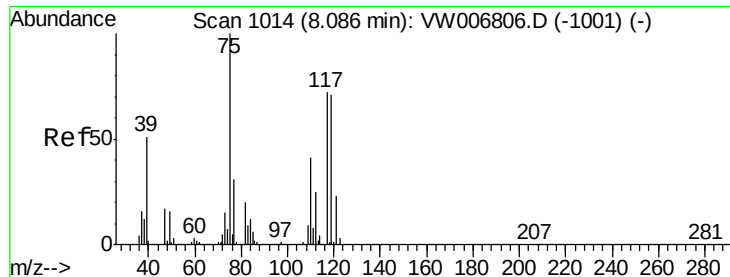


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

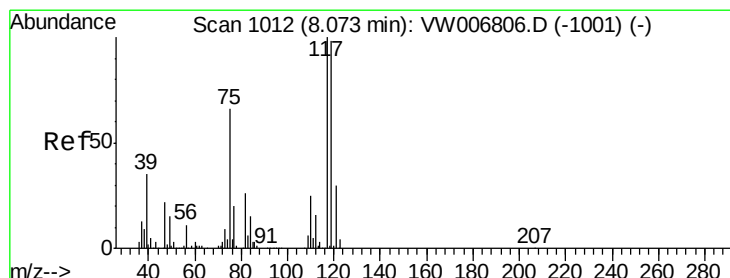
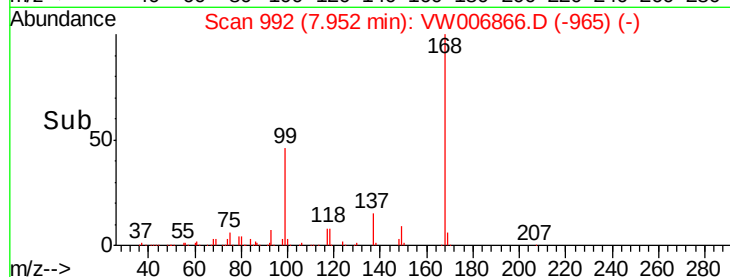
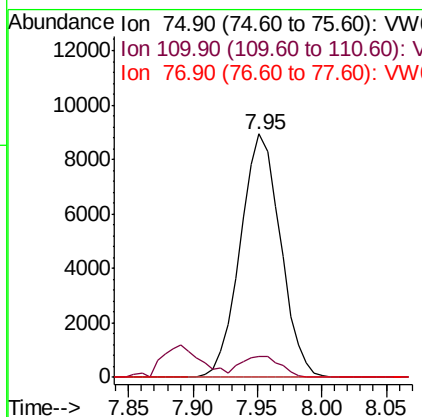
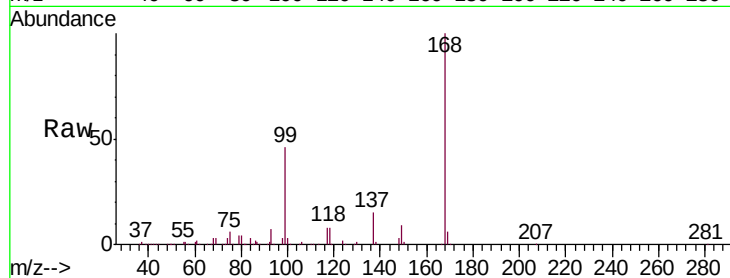




#36
 1,1-Dichloropropene
 Concen: 4.260 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006866.D
 Acq: 13 Nov 2018 20:17

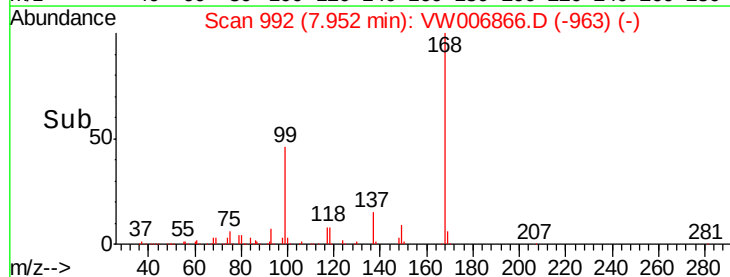
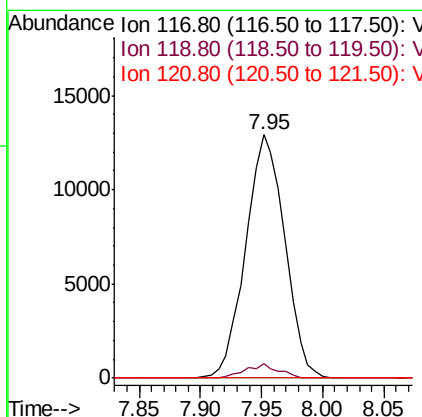
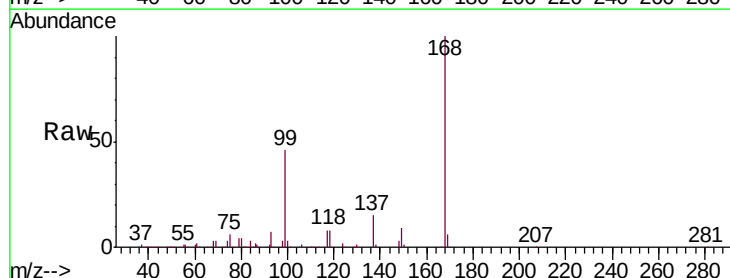
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-2

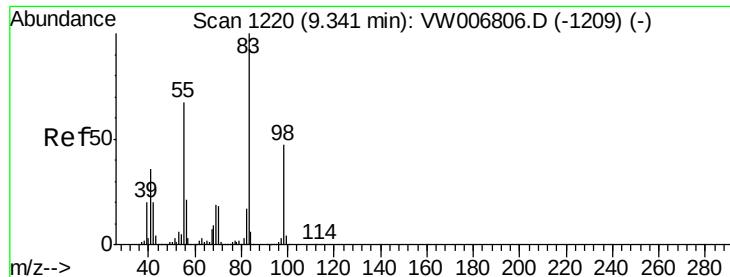
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	19.9	59.6#
77	0.0	25.4	38.2#



#38
 Carbon Tetrachloride
 Concen: 5.849 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW006866.D
 Acq: 13 Nov 2018 20:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.8	78.5	117.7#
121	0.0	24.2	36.2#

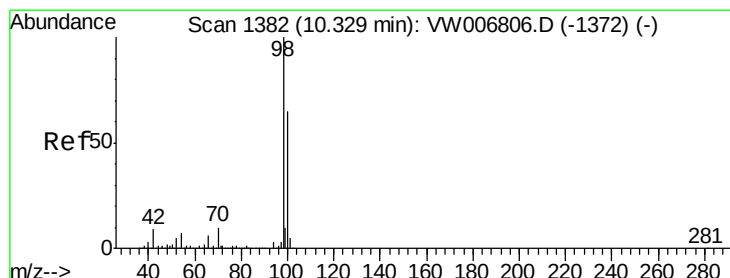
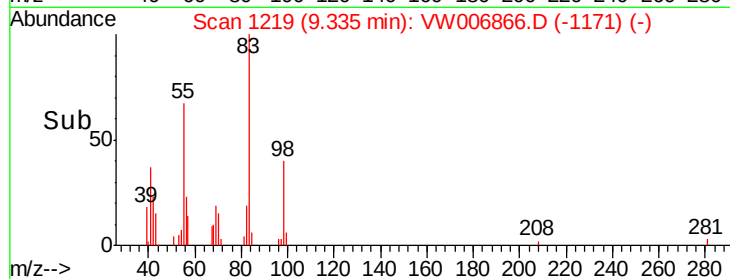
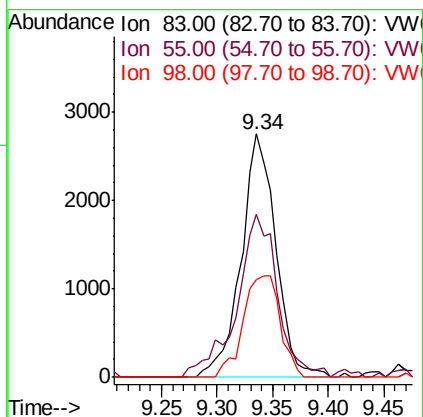
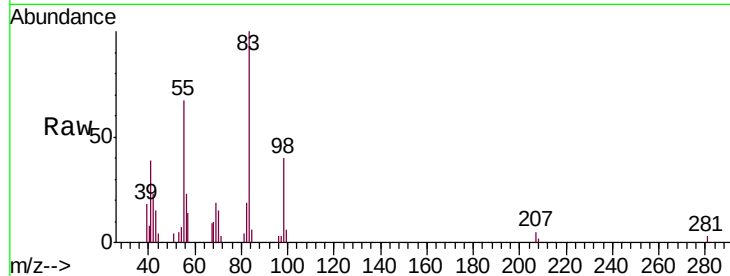




#39
Methylcyclohexane
Concen: 1.022 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006866.D
Acq: 13 Nov 2018 20:17

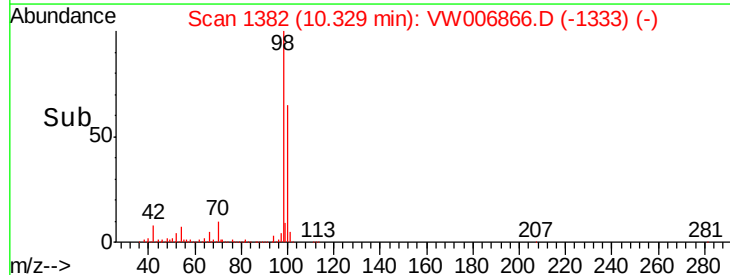
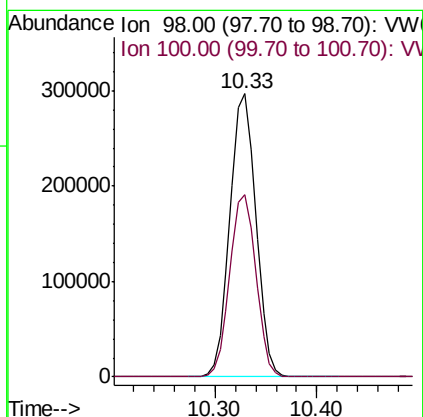
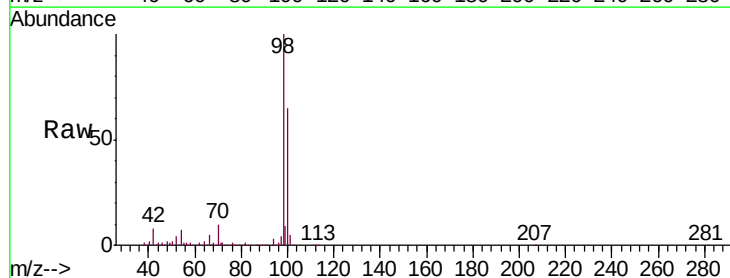
Instrument :
MSVOA_W
ClientSampled :
SB-2

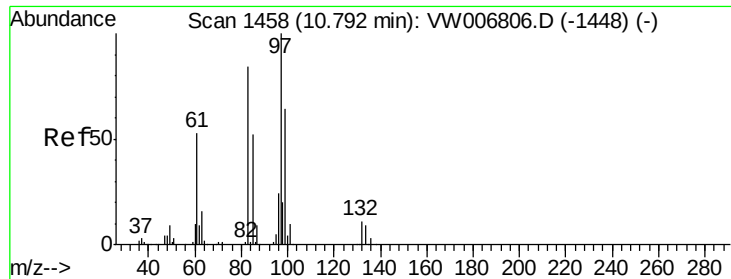
Tgt Ion: 83 Resp: 5999
Ion Ratio Lower Upper
83 100
55 64.7 53.3 79.9
98 39.9 37.9 56.9



#50
Toluene-d8
Concen: 43.877 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006866.D
Acq: 13 Nov 2018 20:17

Tgt Ion: 98 Resp: 523744
Ion Ratio Lower Upper
98 100
100 64.8 51.4 77.2





#55

1,1,2-Trichloroethane

Concen: 1.834 ug/l

RT: 10.76 min Scan# 1453

Delta R.T. -0.03 min

Lab File: VW006866.D

Acq: 13 Nov 2018 20:17

Instrument :

MSVOA_W

ClientSampleId :

SB-2

Tgt Ion: 97 Resp: 4443

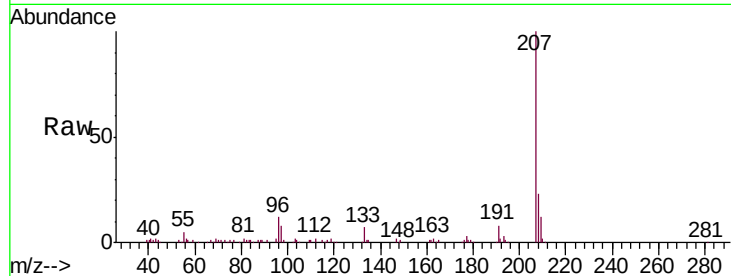
Ion Ratio Lower Upper

97 100

83 8.4 67.0 100.4#

85 4.6 41.7 62.5#

99 0.0 50.8 76.2#

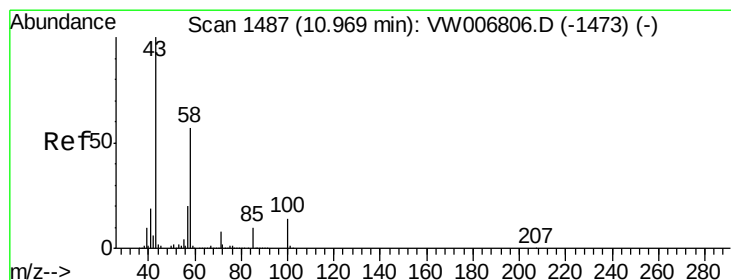
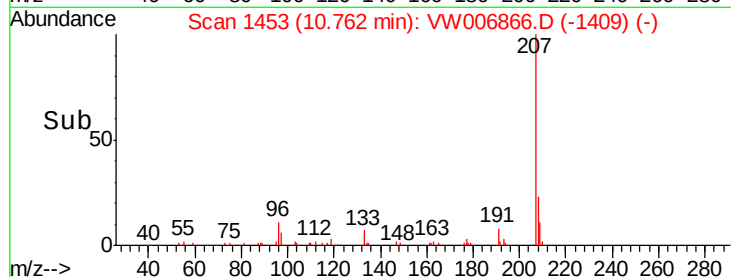
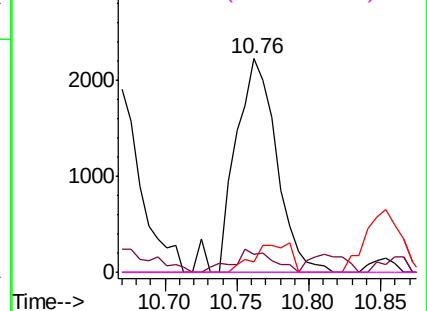


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#59

2-Hexanone

Concen: 2.964 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. -0.03 min

Lab File: VW006866.D

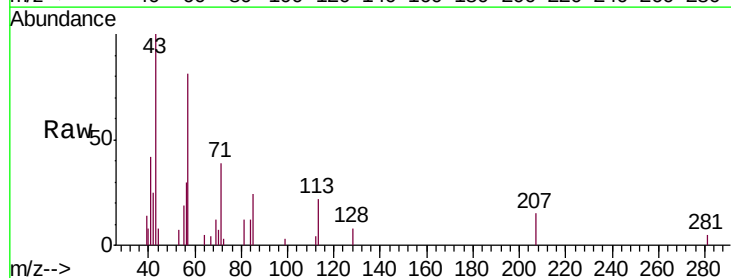
Acq: 13 Nov 2018 20:17

Tgt Ion: 43 Resp: 2951

Ion Ratio Lower Upper

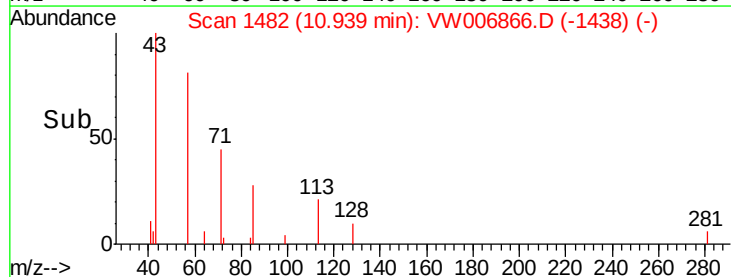
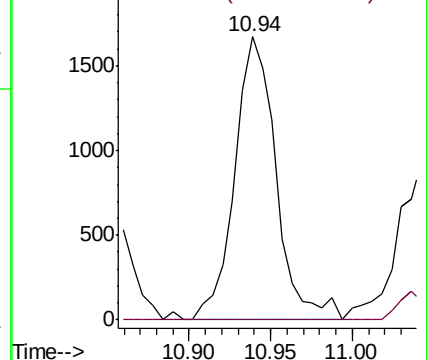
43 100

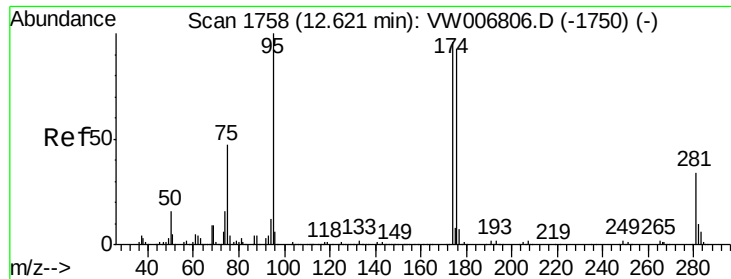
58 0.0 28.7 86.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

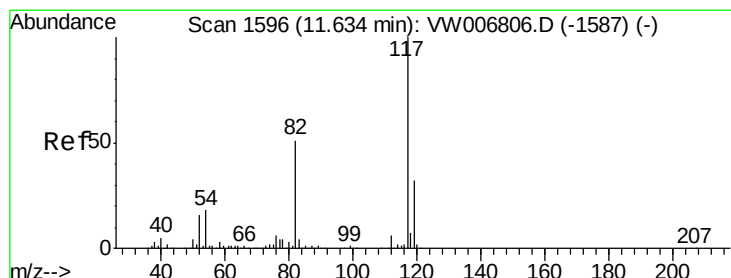
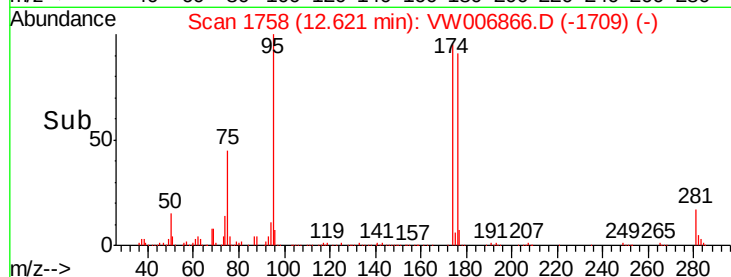
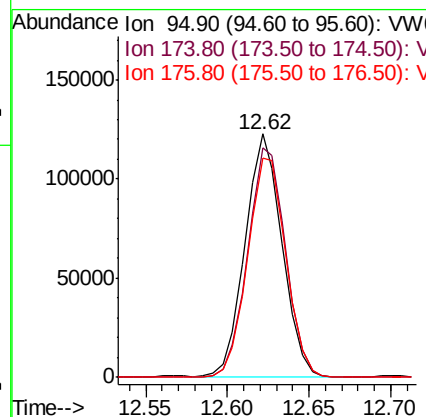
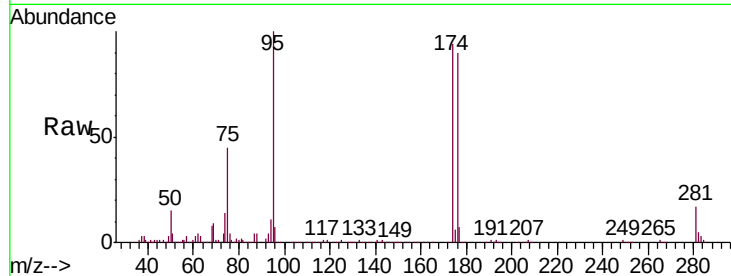




#62
4-Bromofluorobenzene
Concen: 43.648 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW006866.D
Acq: 13 Nov 2018 20:17

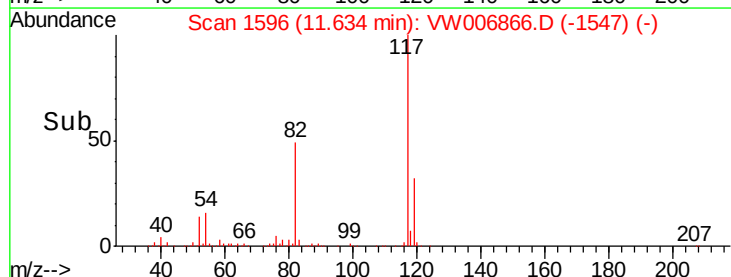
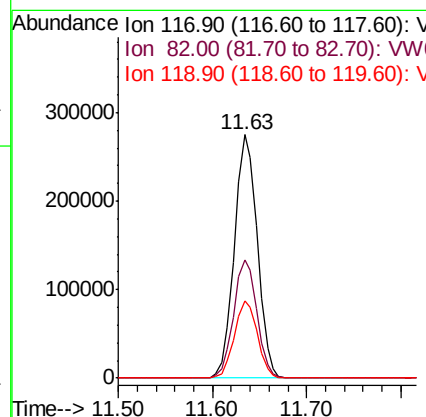
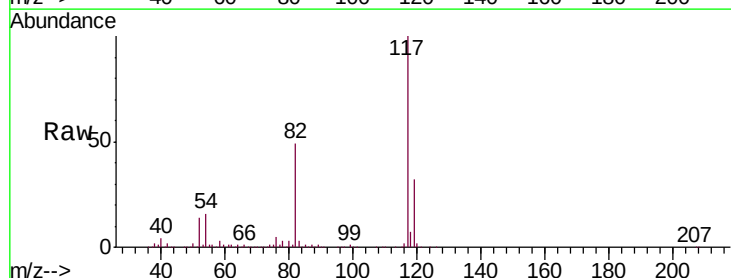
Instrument :
MSVOA_W
ClientSampleId :
SB-2

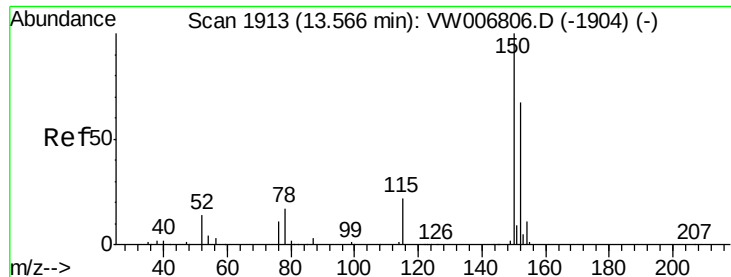
Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.2	0.0	196.6
176	94.1	0.0	191.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006866.D
Acq: 13 Nov 2018 20:17

Tgt Ion	Ratio	Lower	Upper
117	100		
82	48.7	40.6	61.0
119	31.6	25.5	38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.01 min

Lab File: VW006866.D

Acq: 13 Nov 2018 20:17

Instrument :

MSVOA_W

ClientSampleId :

SB-2

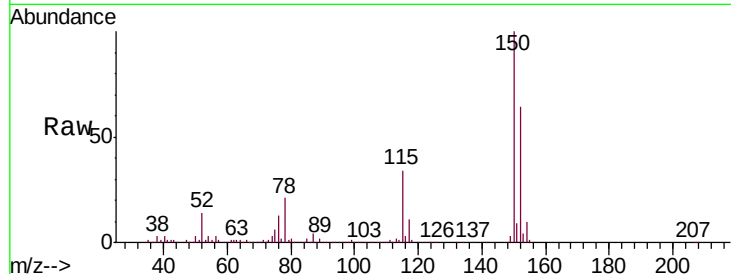
Tgt Ion:152 Resp: 245264

Ion Ratio Lower Upper

152 100

115 53.4 27.3 81.8

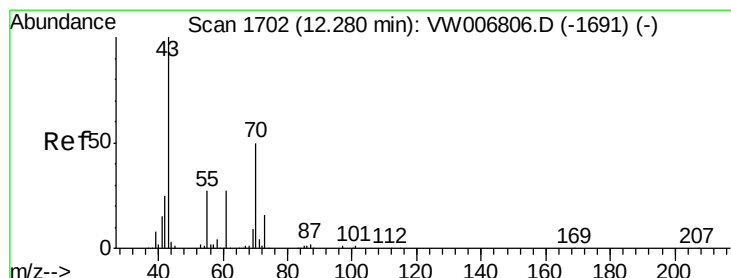
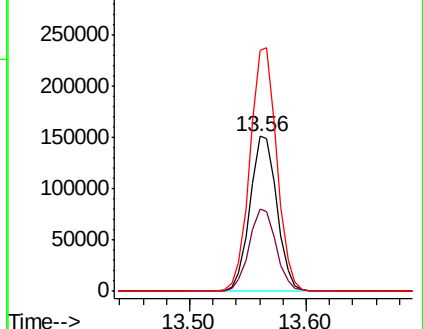
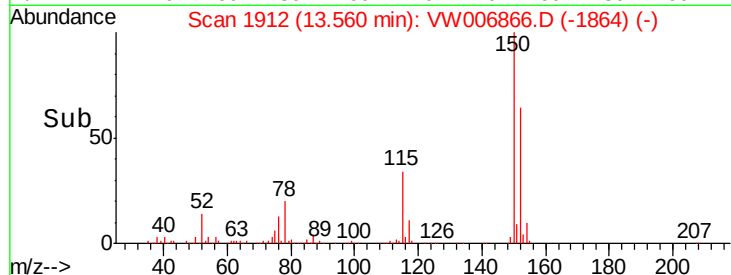
150 155.8 0.0 353.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 1.192 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW006866.D

Acq: 13 Nov 2018 20:17

Tgt Ion: 43 Resp: 3069

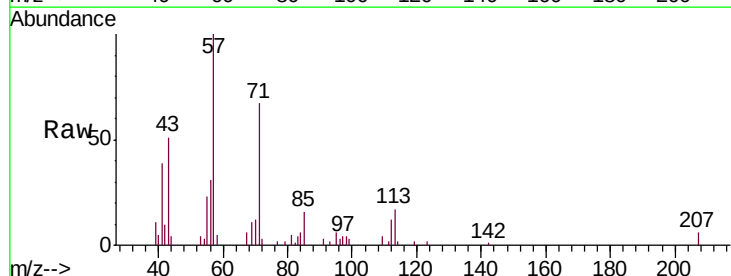
Ion Ratio Lower Upper

43 100

70 20.8 39.0 58.4#

55 0.0 22.1 33.1#

61 0.0 21.1 31.7#

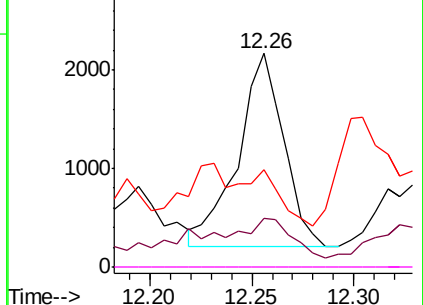
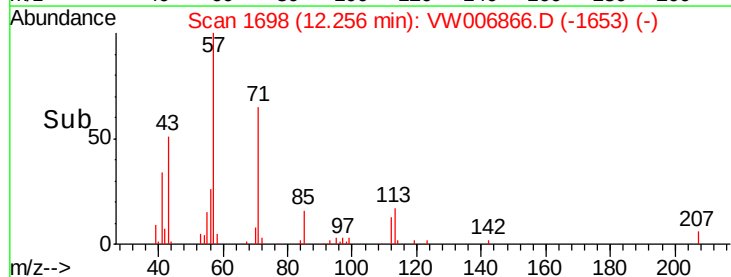


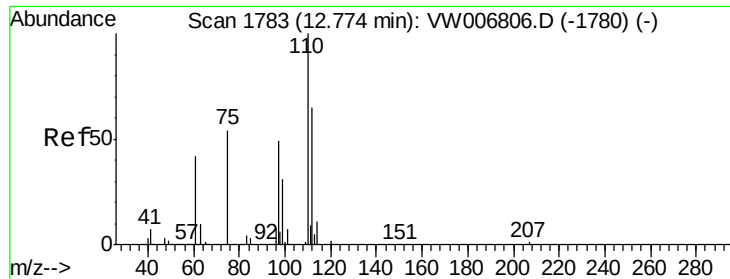
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#76

1,2,3-Trichloropropane

Concen: 47.854 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006866.D

Acq: 13 Nov 2018 20:17

Instrument :

MSVOA_W

ClientSampled :

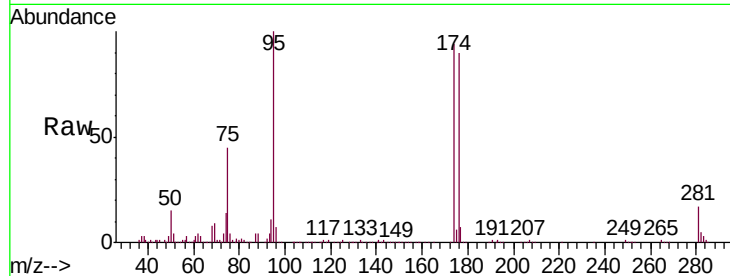
SB-2

Tgt Ion: 75 Resp: 84583

Ion Ratio Lower Upper

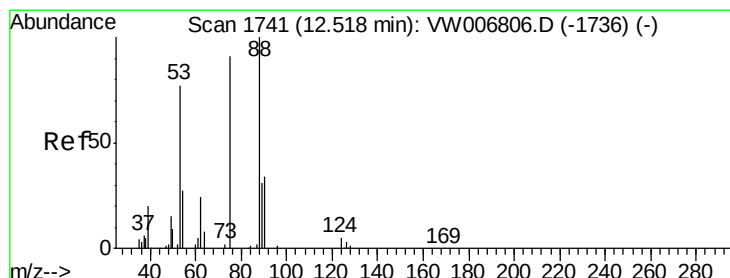
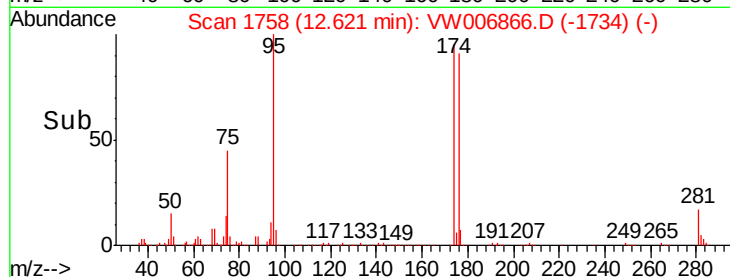
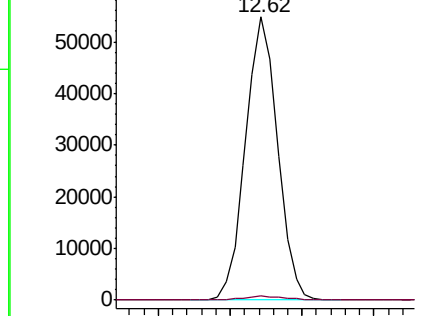
75 100

77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#81

trans-1,4-Dichloro-2-butene

Concen: 118.370 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006866.D

Acq: 13 Nov 2018 20:17

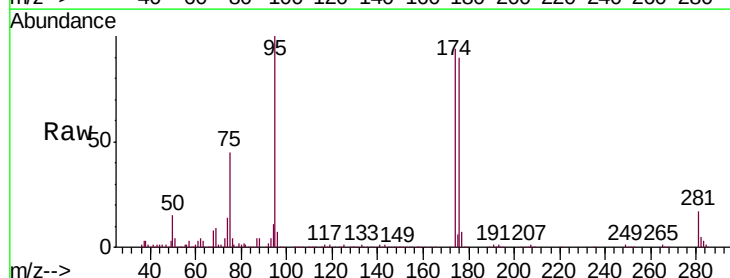
Tgt Ion: 75 Resp: 84583

Ion Ratio Lower Upper

75 100

53 0.0 72.9 109.3#

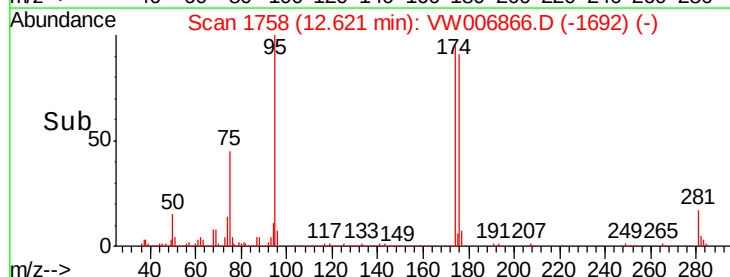
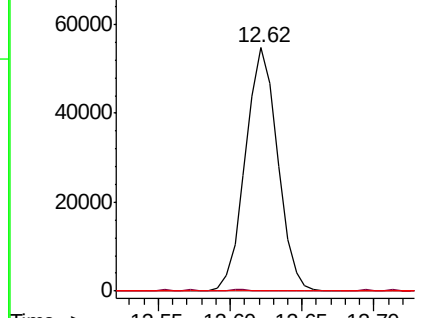
89 0.0 38.7 58.1#

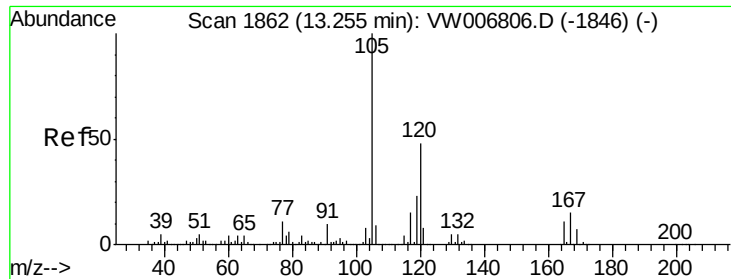


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

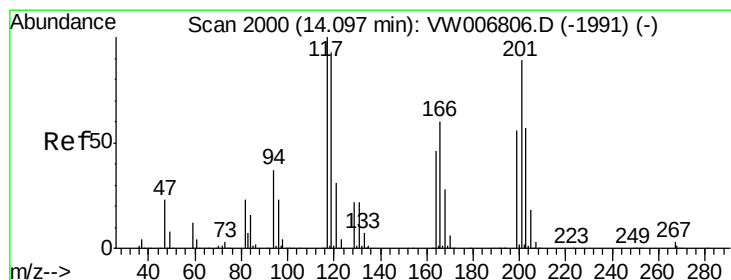
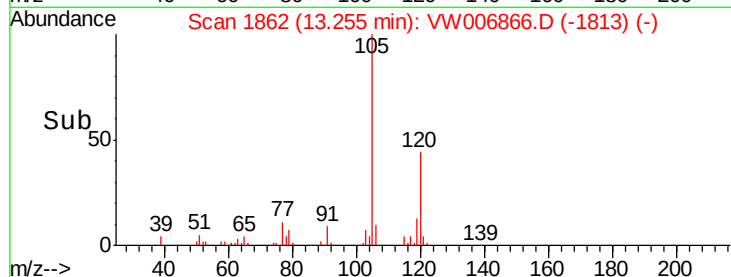
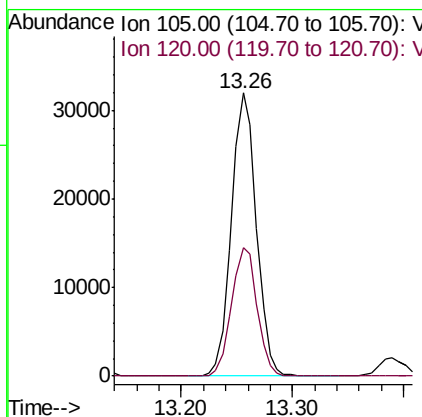
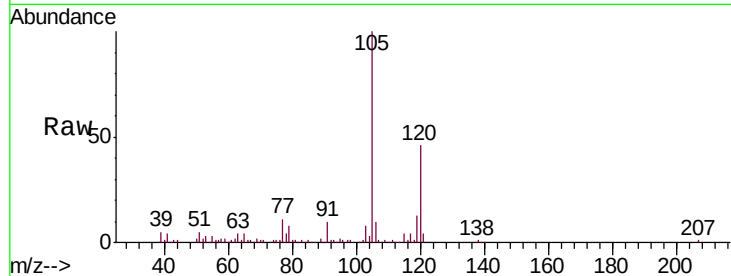




#84
 1,2,4-Trimethylbenzene
 Concen: 3.328 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW006866.D
 Acq: 13 Nov 2018 20:17

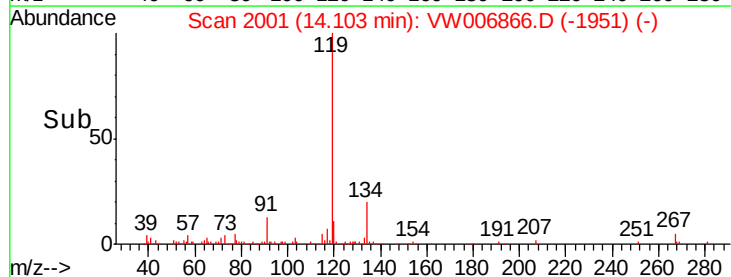
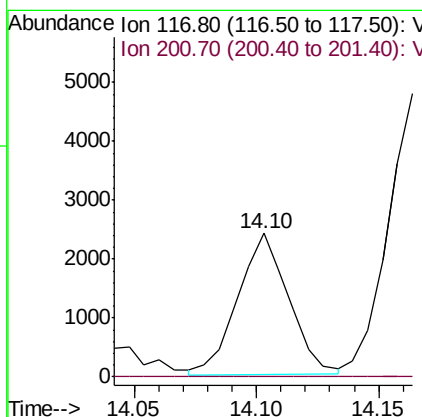
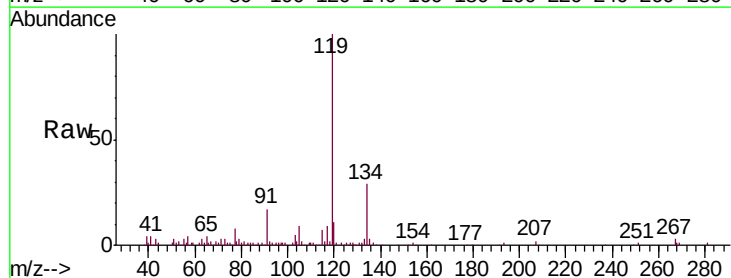
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-2

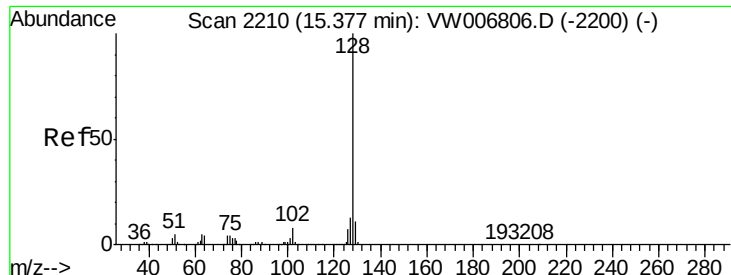
Tgt Ion:105 Resp: 49567
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.4 70.0



#90
 Hexachloroethane
 Concen: 1.292 ug/l
 RT: 14.10 min Scan# 2001
 Delta R.T. 0.01 min
 Lab File: VW006866.D
 Acq: 13 Nov 2018 20:17

Tgt Ion:117 Resp: 3447
 Ion Ratio Lower Upper
 117 100
 201 0.0 46.9 140.6#

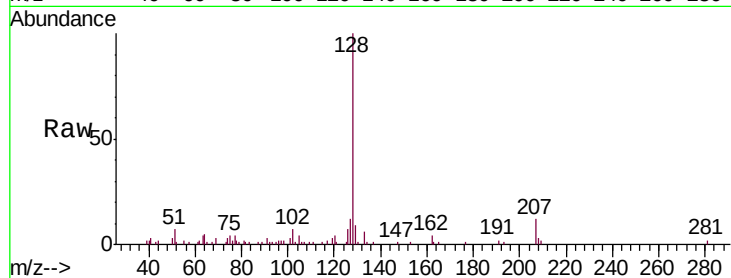




#95
Naphthalene
Concen: 1.960 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006866.D
Acq: 13 Nov 2018 20:17

Instrument :
MSVOA_W
ClientSampleId :
SB-2

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.3	15.5
129	12.7	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

