

Data File : VW006867.D
Acq On : 13 Nov 2018 20:43
Operator : SY/AP
Sample : J5895-04RE
Misc : 7.53G/5ML/MSVOA_W/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-3

Quant Time: Nov 14 04:08:06 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	7.96	168	352726	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	471413	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	440355	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	230676	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	105434	40.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.78%	
35) Dibromofluoromethane	7.89	113	112077	39.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.86%	
50) Toluene-d8	10.33	98	465821	40.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.08%	
62) 4-Bromofluorobenzene	12.62	95	173620	40.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.02%	

Target Compounds

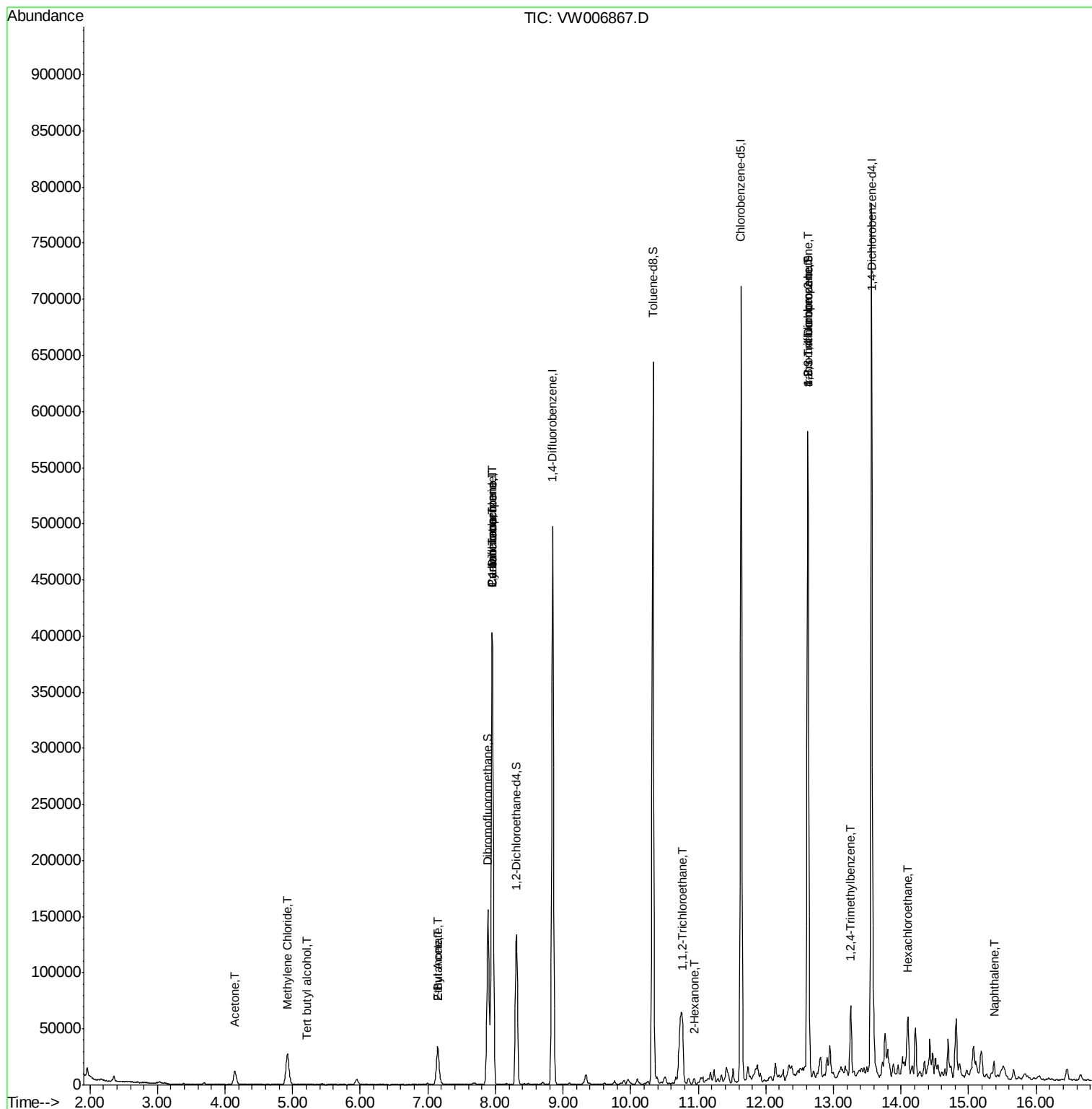
						Qvalue
11) Tert butyl alcohol	5.21	59	585	3.456	ug/l #	72
16) Acetone	4.14	43	22644	61.148	ug/l	92
20) Methylene Chloride	4.93	84	24179	2.203	ug/l	99
25) 2-Butanone	7.15	43	1523	2.432	ug/l #	74
31) Cyclohexane	7.95	56	5164	1.045	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19841	4.498	ug/l #	48
37) Ethyl Acetate	7.15	43	1523	1.056	ug/l #	1
38) Carbon Tetrachloride	7.95	117	28754	5.997	ug/l #	15
55) 1,1,2-Trichloroethane	10.77	97	3626	1.535	ug/l #	23
59) 2-Hexanone	10.93	43	1816	1.872	ug/l #	22
76) 1,2,3-Trichloropropane	12.62	75	76145	45.804	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	76145	113.300	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.26	105	36805	2.627	ug/l	100
90) Hexachloroethane	14.10	117	2652	1.057	ug/l #	3
95) Naphthalene	15.38	128	13656	1.688	ug/l	98

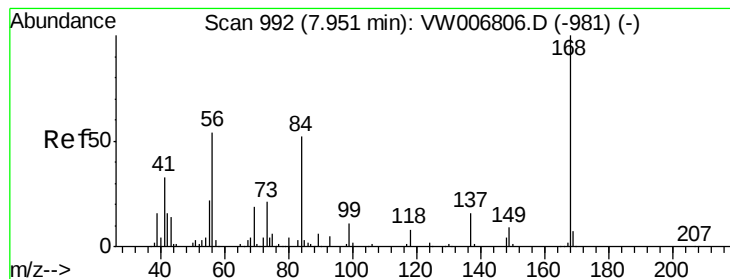
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW006867.D

Acq: 13 Nov 2018 20:43

Instrument :

MSVOA_W

ClientSampled :

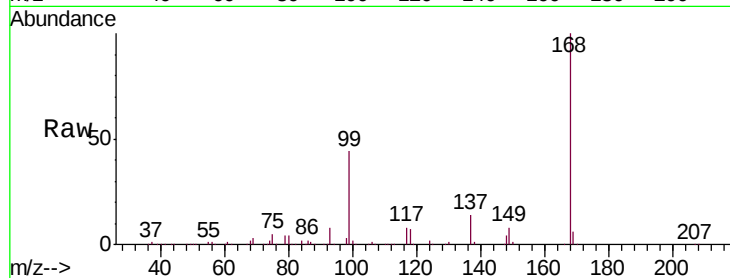
SB-3

Tgt Ion:168 Resp: 352726

Ion Ratio Lower Upper

168 100

99 43.6 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

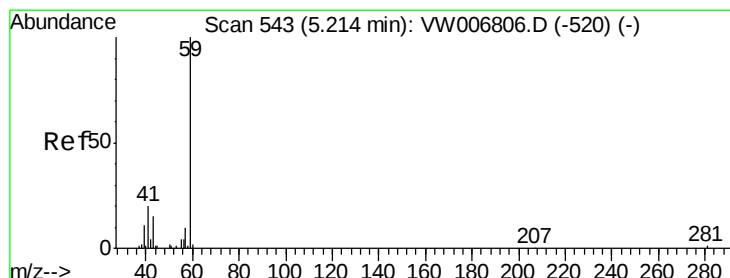
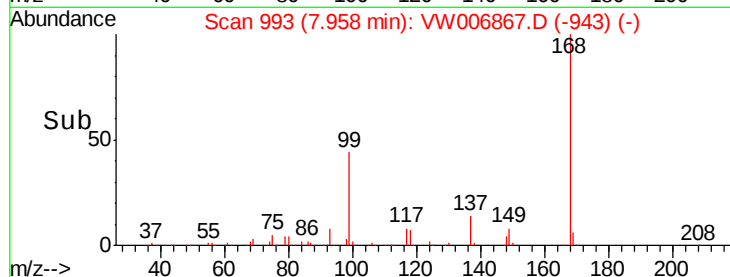
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 3.456 ug/l

RT: 5.21 min Scan# 542

Delta R.T. -0.01 min

Lab File: VW006867.D

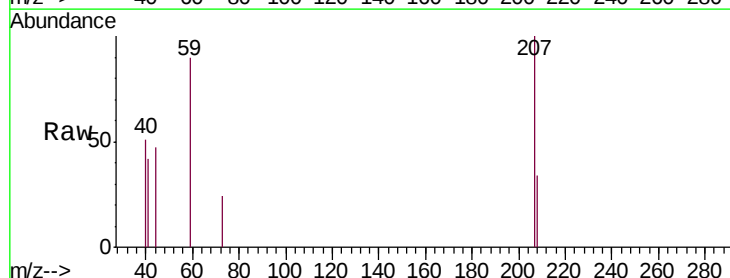
Acq: 13 Nov 2018 20:43

Tgt Ion: 59 Resp: 585

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

250

200

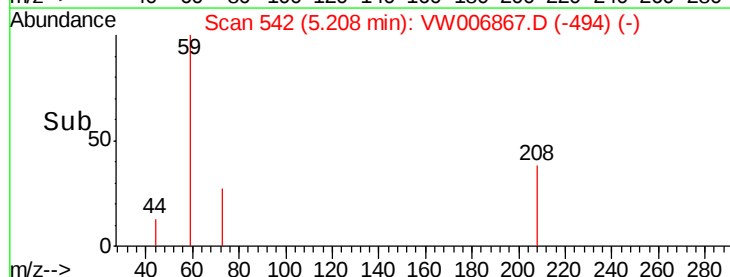
150

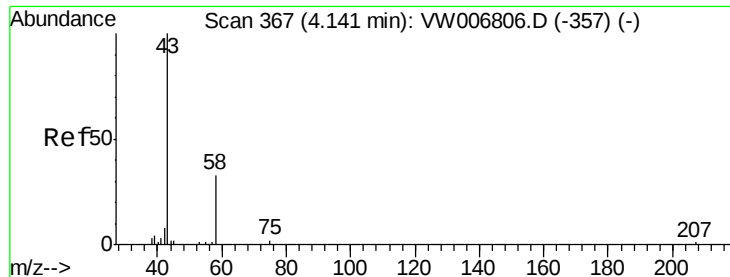
100

50

0

Time--> 5.15 5.20 5.25 5.30





#16

Acetone

Concen: 61.148 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.00 min

Lab File: VW006867.D

Acq: 13 Nov 2018 20:43

Instrument :

MSVOA_W

ClientSampleId :

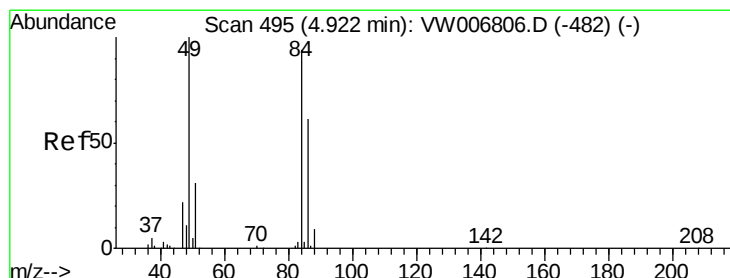
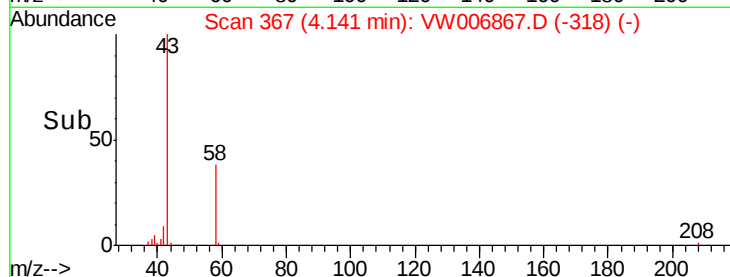
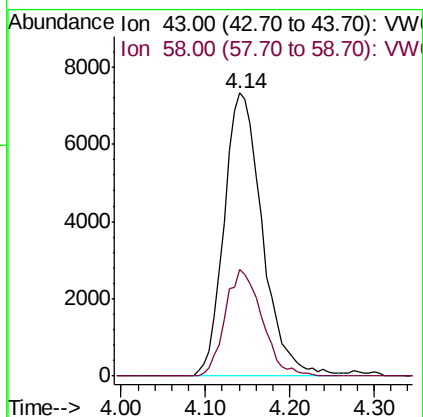
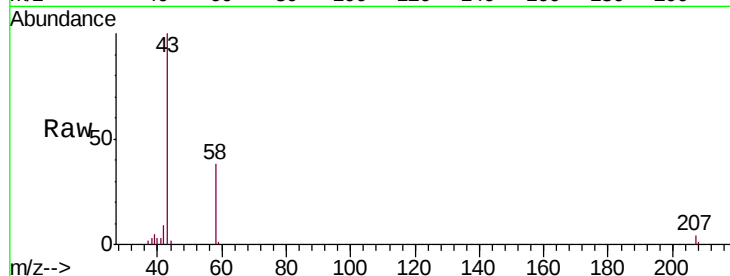
SB-3

Tgt Ion: 43 Resp: 22644

Ion Ratio Lower Upper

43 100

58 37.6 26.5 39.7



#20

Methylene Chloride

Concen: 2.203 ug/l

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW006867.D

Acq: 13 Nov 2018 20:43

Tgt Ion: 84 Resp: 24179

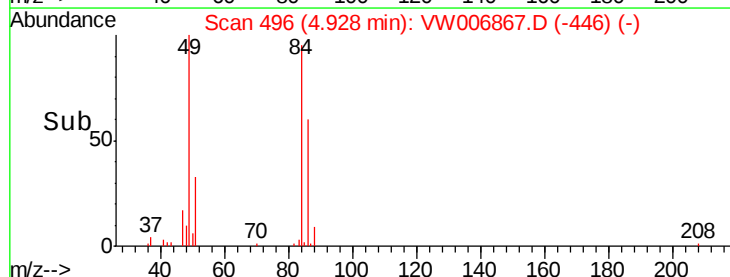
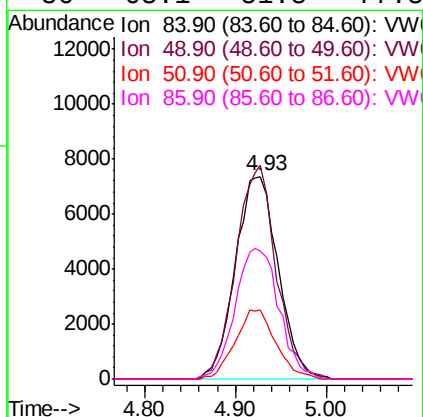
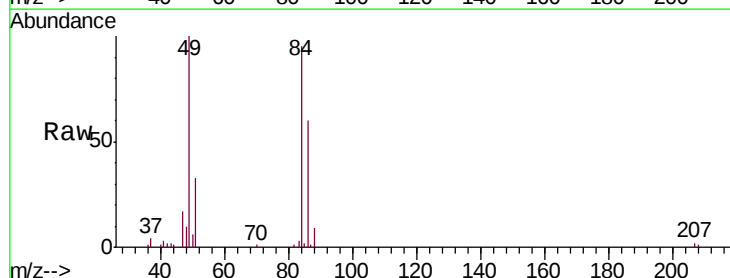
Ion Ratio Lower Upper

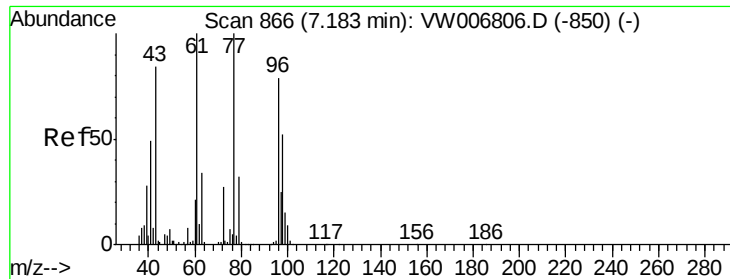
84 100

49 105.6 84.8 127.2

51 34.4 26.2 39.4

86 63.1 51.8 77.8

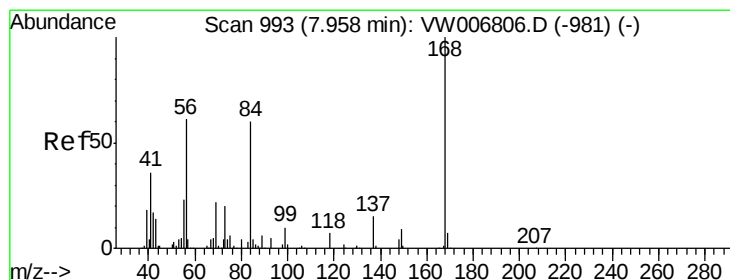
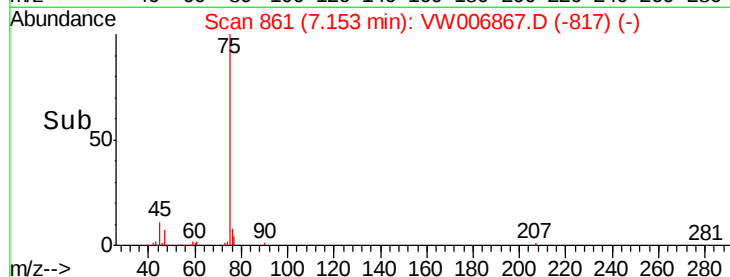
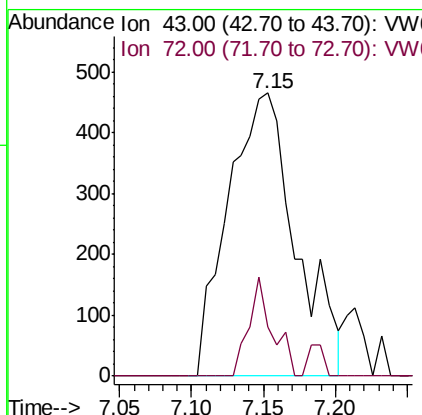
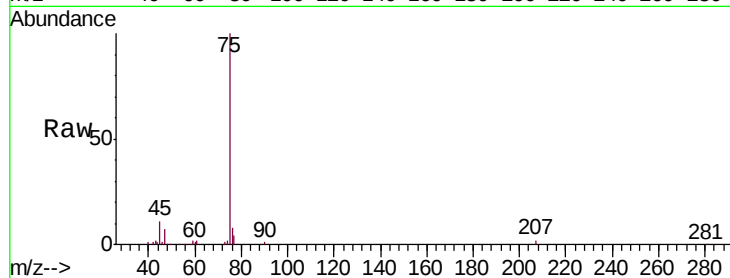




#25
2-Butanone
Concen: 2.432 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.03 min
Lab File: VW006867.D
Acq: 13 Nov 2018 20:43

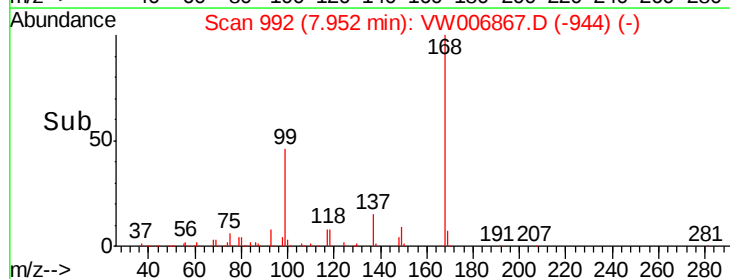
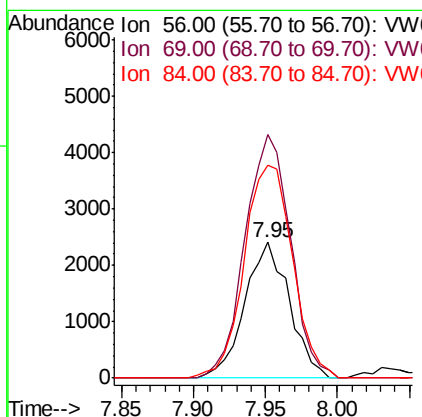
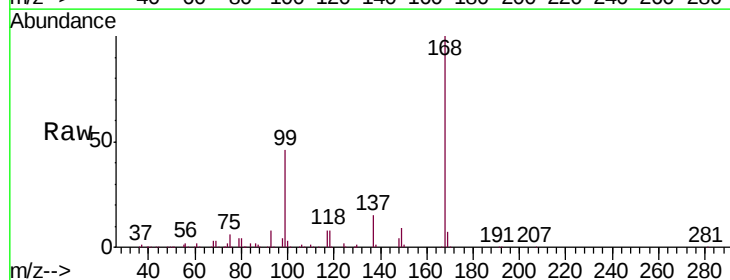
Instrument :
MSVOA_W
ClientSampleId :
SB-3

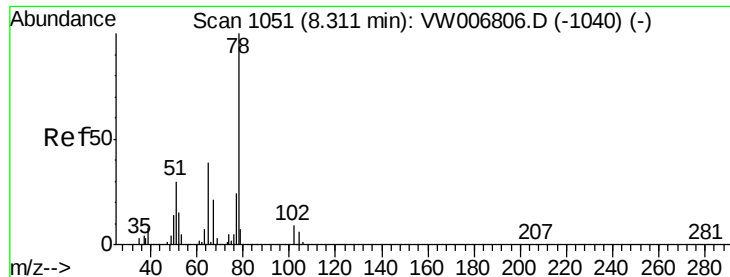
Tgt Ion: 43 Resp: 1523
Ion Ratio Lower Upper
43 100
72 17.2 25.3 37.9#



#31
Cyclohexane
Concen: 1.045 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006867.D
Acq: 13 Nov 2018 20:43

Tgt Ion: 56 Resp: 5164
Ion Ratio Lower Upper
56 100
69 179.2 28.9 43.3#
84 157.0 79.0 118.4#

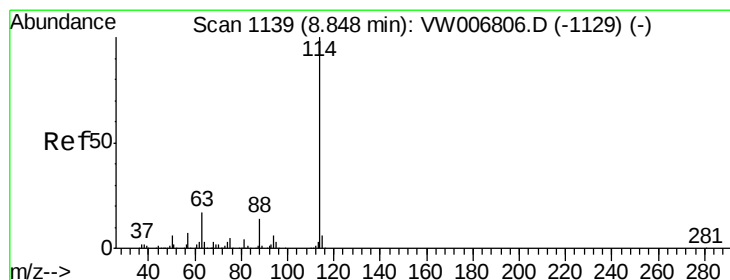
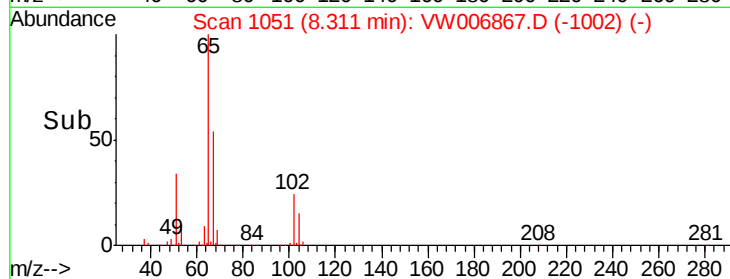
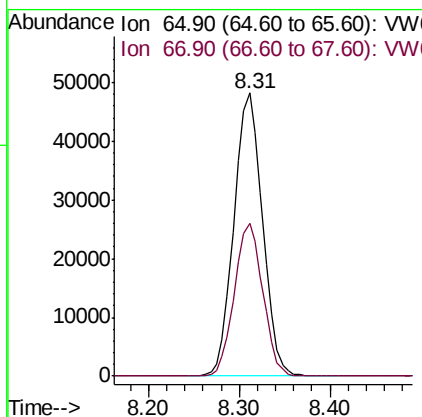
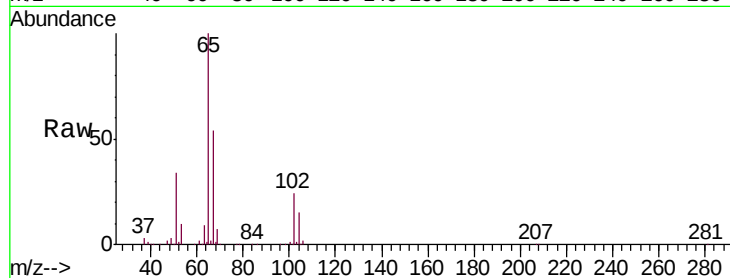




#33
 1,2-Dichloroethane-d4
 Concen: 40.889 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW006867.D
 Acq: 13 Nov 2018 20:43

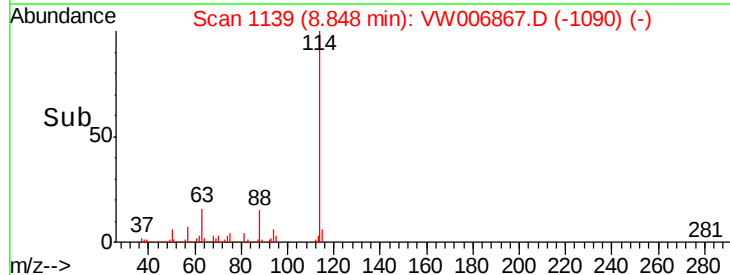
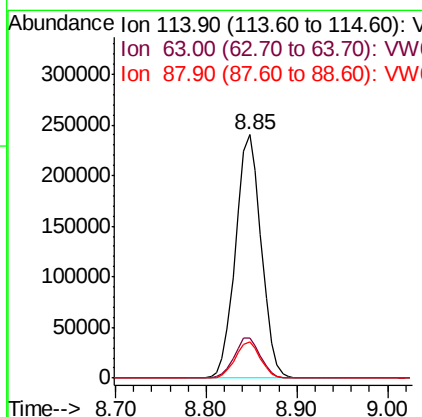
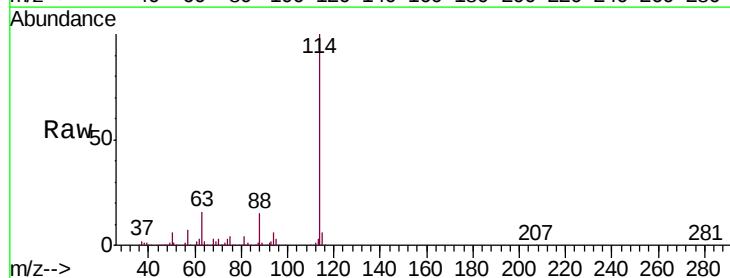
Instrument :
 MSVOA_W
 ClientSampled :
 SB-3

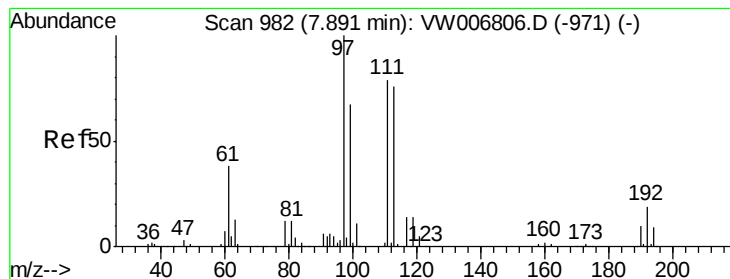
Tgt Ion: 65 Resp: 105434
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006867.D
 Acq: 13 Nov 2018 20:43

Tgt Ion: 114 Resp: 471413
 Ion Ratio Lower Upper
 114 100
 63 16.2 0.0 33.6
 88 14.9 0.0 28.4





#35

Dibromofluoromethane

Concen: 39.926 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.00 min

Lab File: VW006867.D

Acq: 13 Nov 2018 20:43

Instrument :

MSVOA_W

ClientSampleId :

SB-3

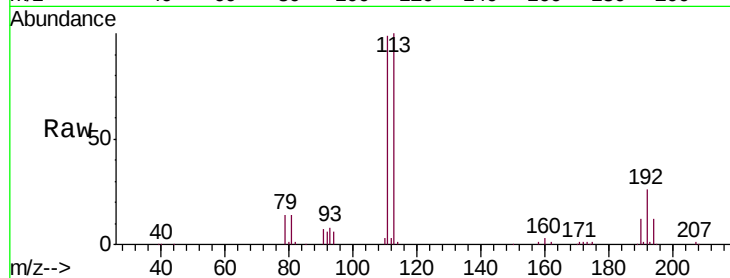
Tgt Ion:113 Resp: 112077

Ion Ratio Lower Upper

113 100

111 102.4 81.0 121.6

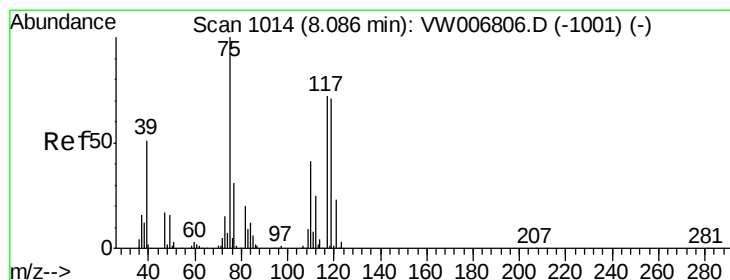
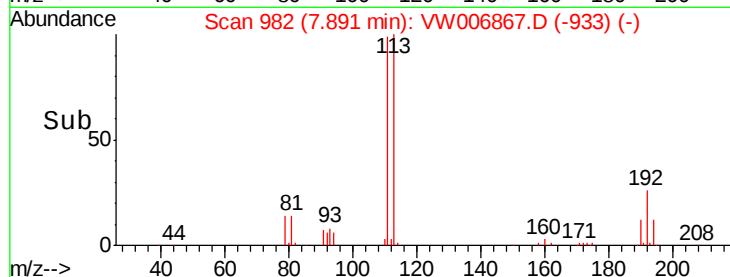
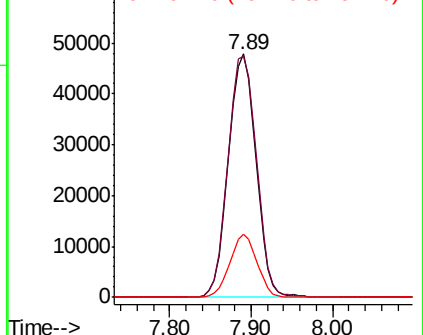
192 25.2 19.0 28.6



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: 4.498 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW006867.D

Acq: 13 Nov 2018 20:43

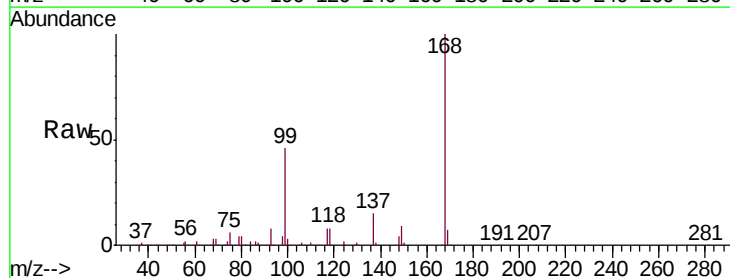
Tgt Ion: 75 Resp: 19841

Ion Ratio Lower Upper

75 100

110 9.7 19.9 59.6#

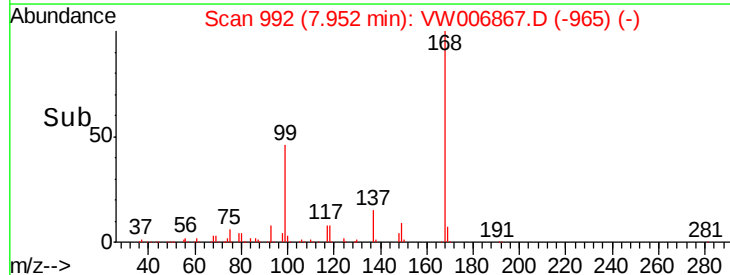
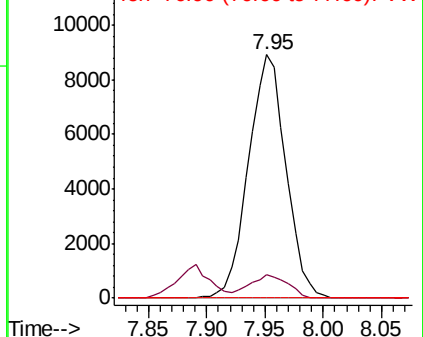
77 0.0 25.4 38.2#

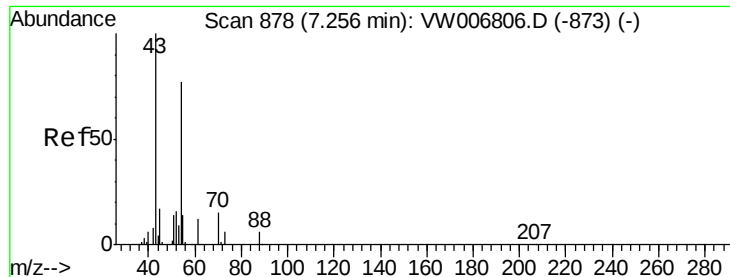


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 1.056 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.10 min

Lab File: VW006867.D

Acq: 13 Nov 2018 20:43

Instrument :

MSVOA_W

ClientSampleId :

SB-3

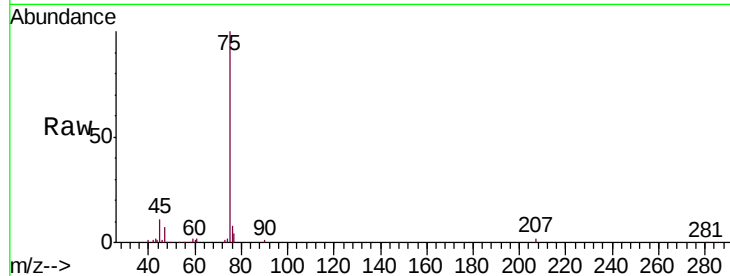
Tgt Ion: 43 Resp: 1523

Ion Ratio Lower Upper

43 100

61 91.1 11.7 17.5#

70 0.0 10.0 15.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW

600

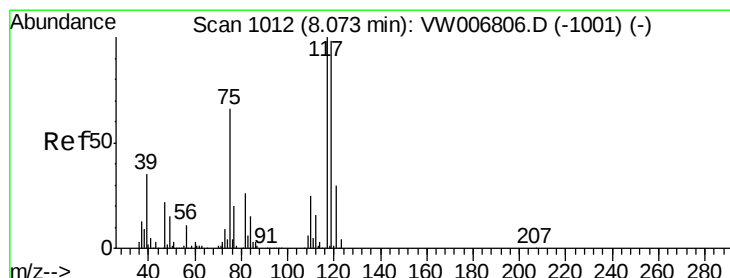
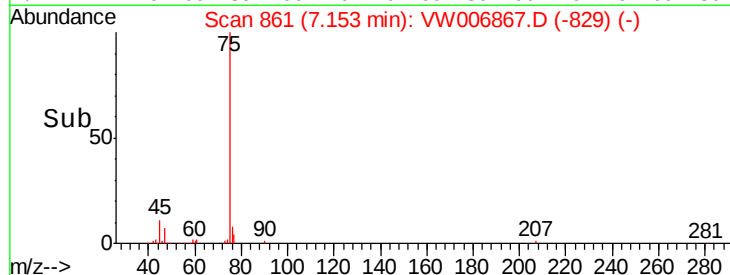
400

200

0

7.05 7.10 7.15 7.20

Time-->



#38

Carbon Tetrachloride

Concen: 5.997 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW006867.D

Acq: 13 Nov 2018 20:43

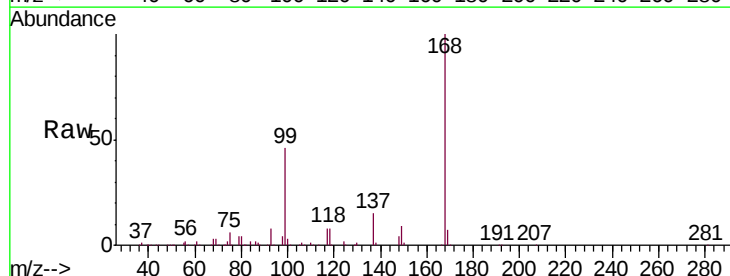
Tgt Ion: 117 Resp: 28754

Ion Ratio Lower Upper

117 100

119 4.8 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

15000

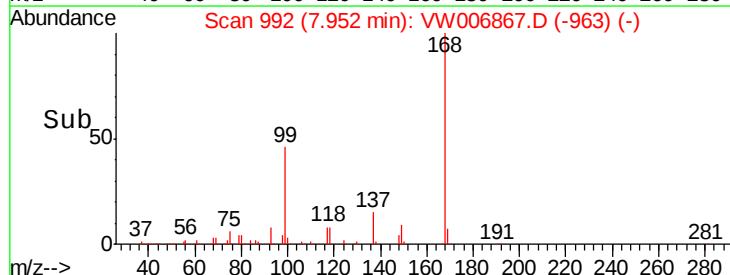
10000

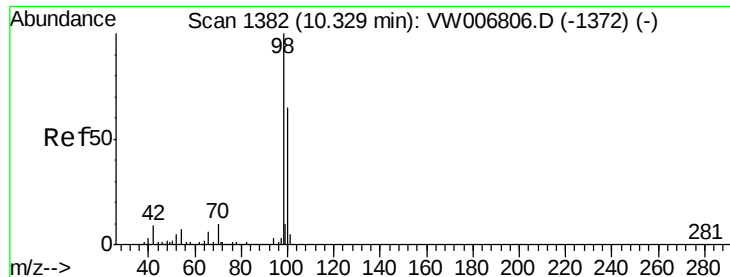
5000

0

7.85 7.90 7.95 8.00 8.05

Time-->





#50

Toluene-d8

Concen: 40.036 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006867.D

Acq: 13 Nov 2018 20:43

Instrument :

MSVOA_W

ClientSampleId :

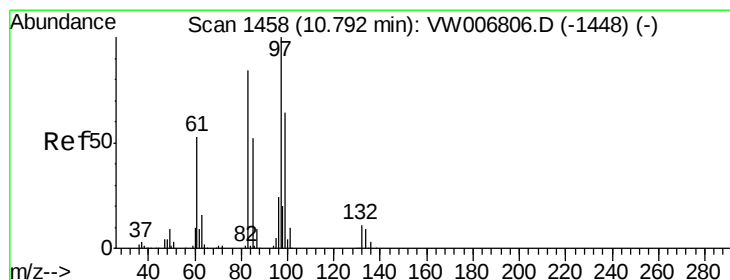
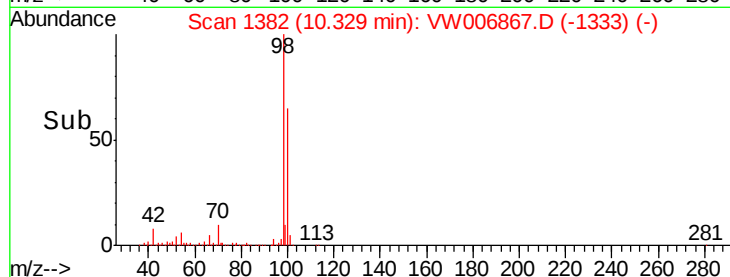
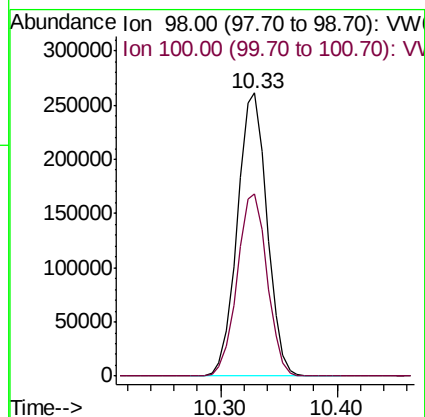
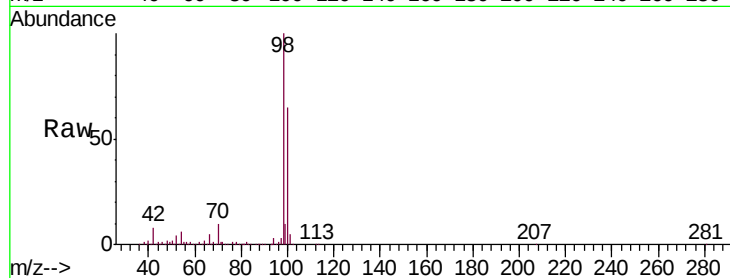
SB-3

Tgt Ion: 98 Resp: 465821

Ion Ratio Lower Upper

98 100

100 64.8 51.4 77.2



#55

1,1,2-Trichloroethane

Concen: 1.535 ug/l

RT: 10.77 min Scan# 1454

Delta R.T. -0.02 min

Lab File: VW006867.D

Acq: 13 Nov 2018 20:43

Tgt Ion: 97 Resp: 3626

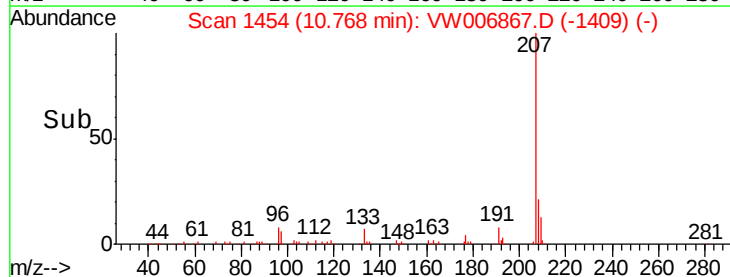
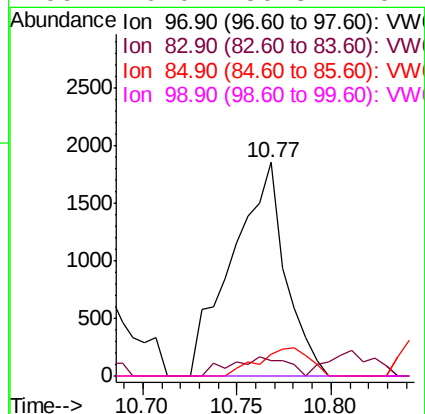
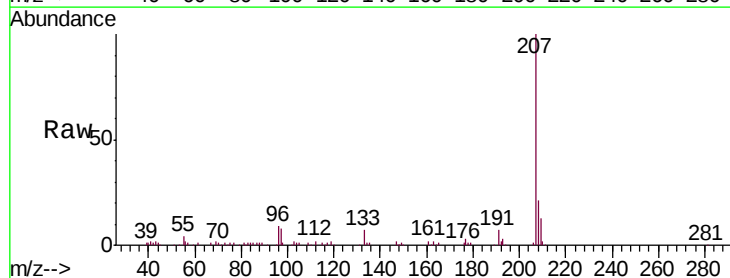
Ion Ratio Lower Upper

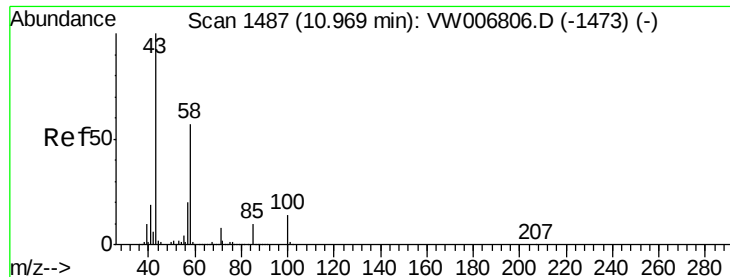
97 100

83 7.0 67.0 100.4#

85 10.0 41.7 62.5#

99 0.0 50.8 76.2#





#59

2-Hexanone

Concen: 1.872 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.04 min

Lab File: VW006867.D

Acq: 13 Nov 2018 20:43

Instrument :

MSVOA_W

ClientSampled :

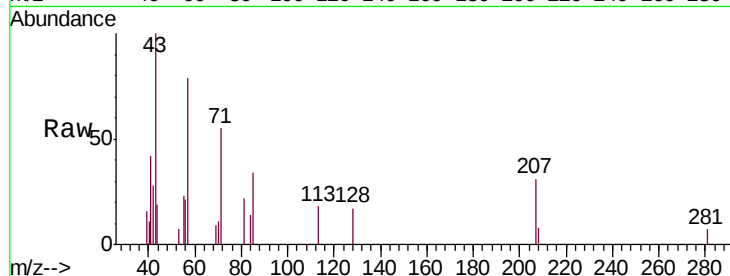
SB-3

Tgt Ion: 43 Resp: 1816

Ion Ratio Lower Upper

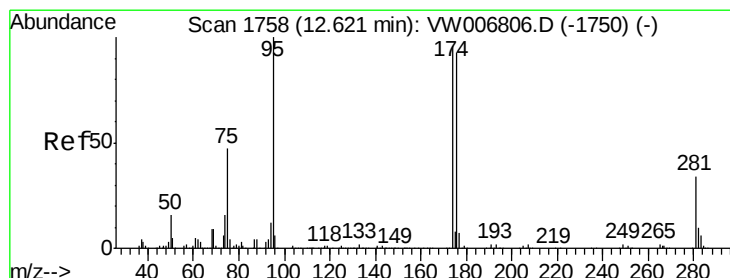
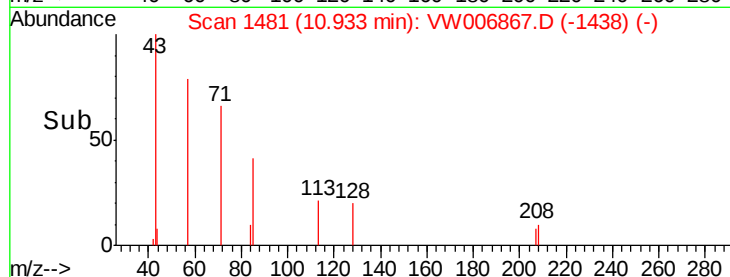
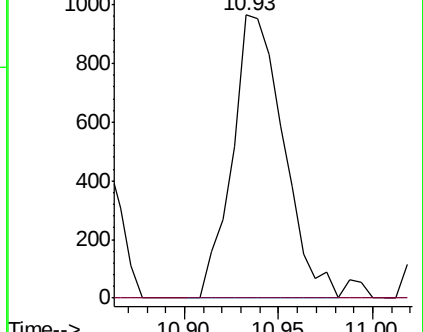
43 100

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: 40.515 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006867.D

Acq: 13 Nov 2018 20:43

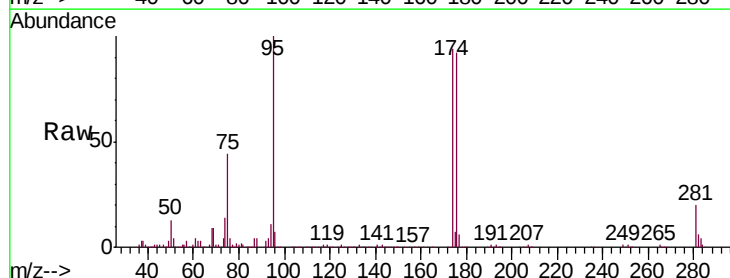
Tgt Ion: 95 Resp: 173620

Ion Ratio Lower Upper

95 100

174 96.2 0.0 196.6

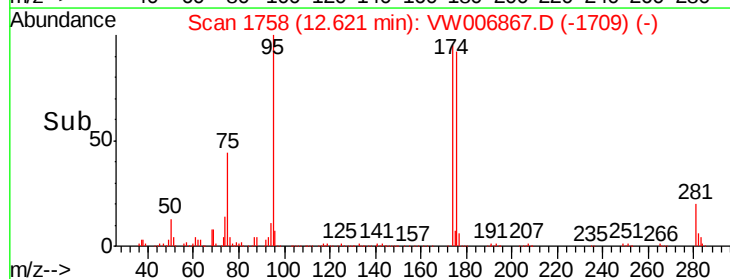
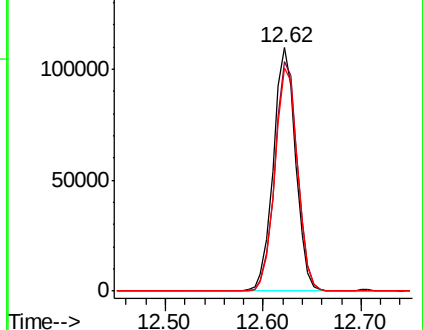
176 93.6 0.0 191.6

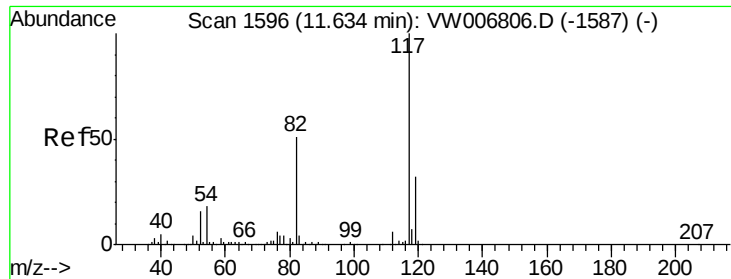


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

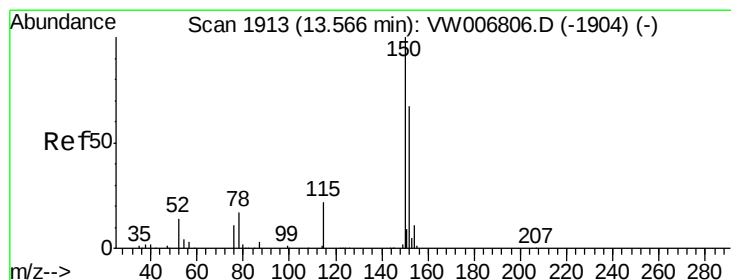
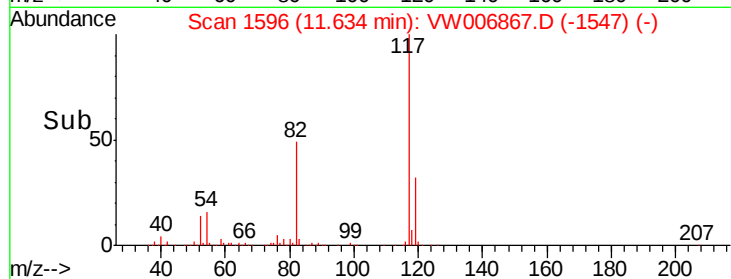
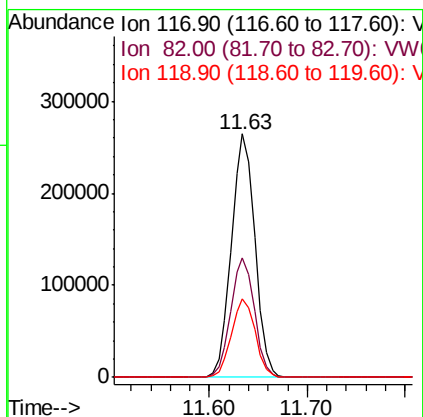
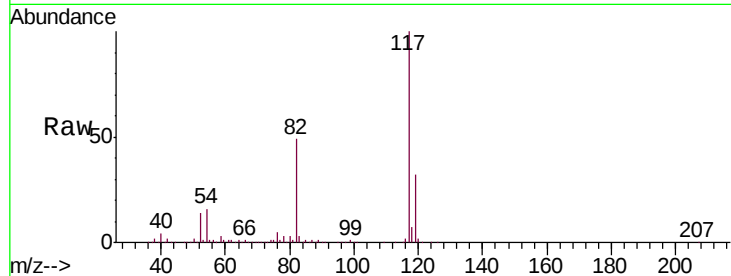




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006867.D
Acq: 13 Nov 2018 20:43

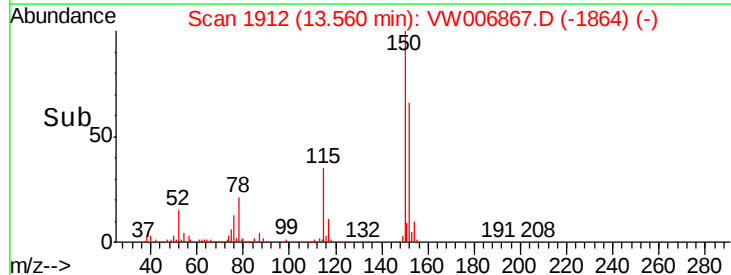
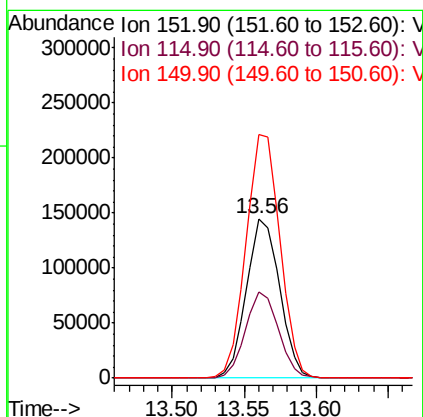
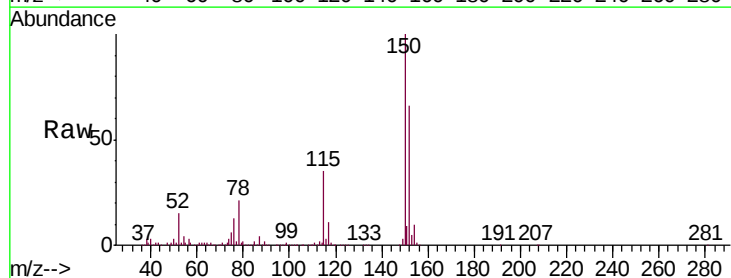
Instrument :
MSVOA_W
ClientSampleId :
SB-3

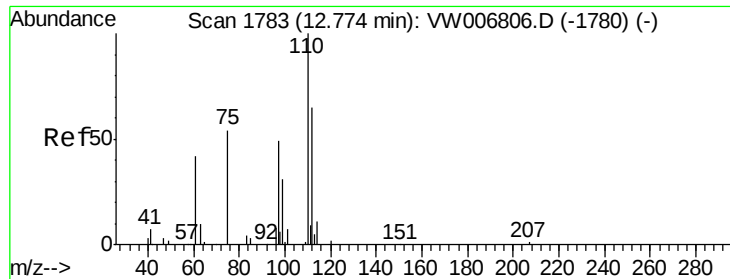
Tgt Ion	Ratio	Lower	Upper
117	100		
82	49.3	40.6	61.0
119	32.2	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.01 min
Lab File: VW006867.D
Acq: 13 Nov 2018 20:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.1	27.3	81.8
150	156.6	0.0	353.0

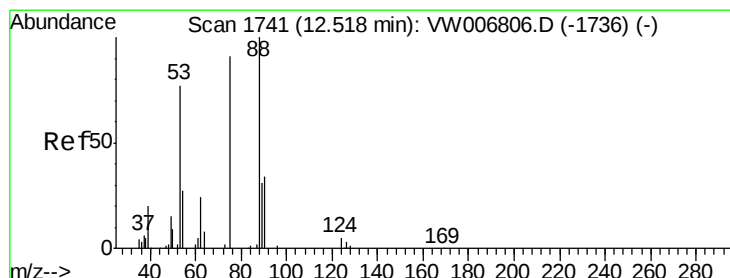
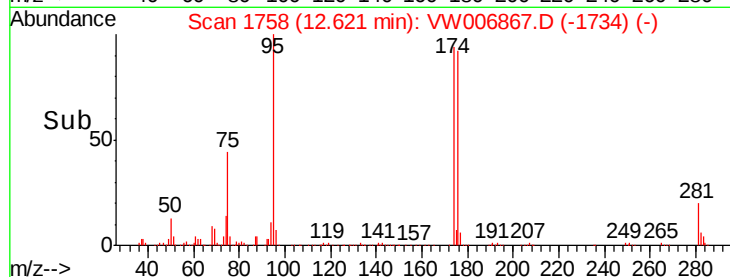
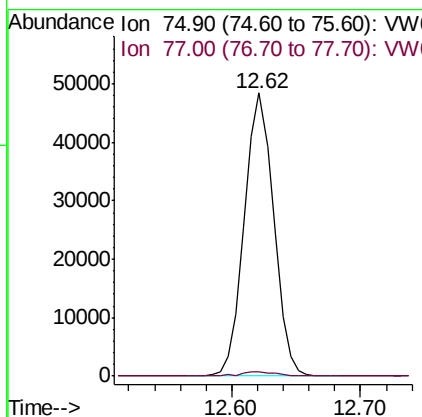
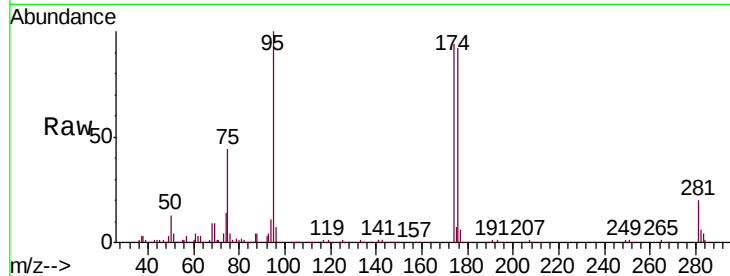




#76
 1,2,3-Trichloropropane
 Concen: 45.804 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW006867.D
 Acq: 13 Nov 2018 20:43

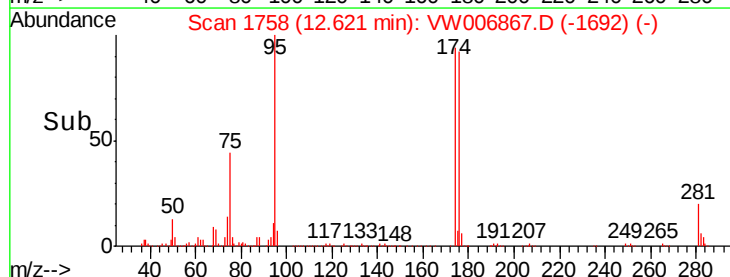
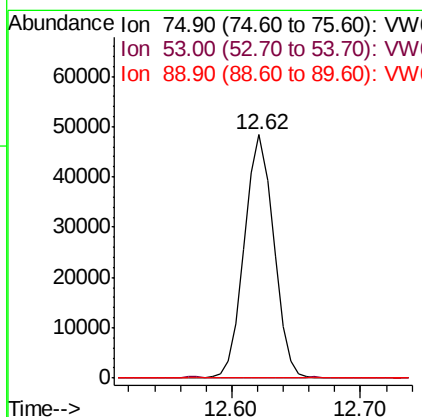
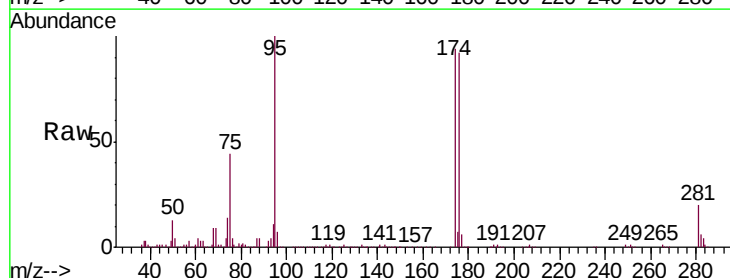
Instrument :
 MSVOA_W
 ClientSampled :
 SB-3

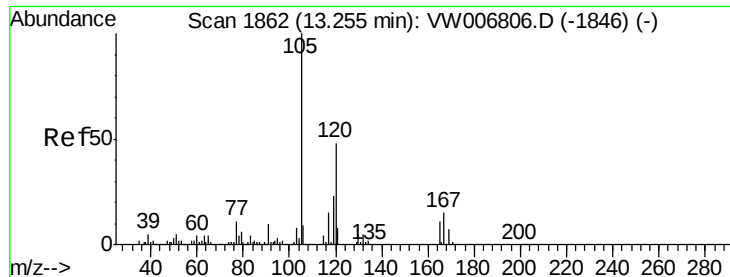
Tgt Ion: 75 Resp: 76145
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 113.300 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW006867.D
 Acq: 13 Nov 2018 20:43

Tgt Ion: 75 Resp: 76145
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.9 109.3#
 89 0.0 38.7 58.1#

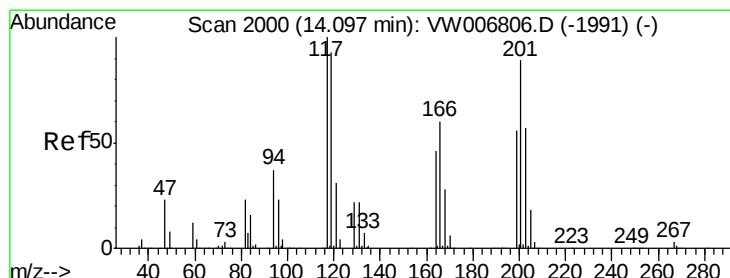
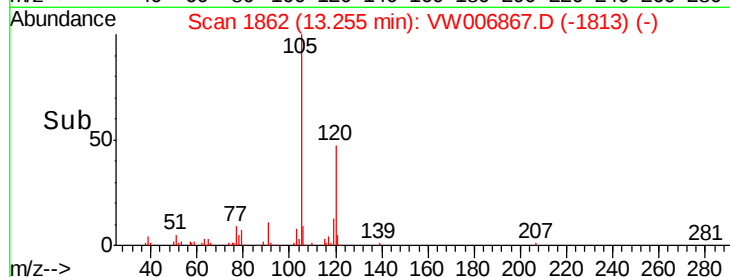
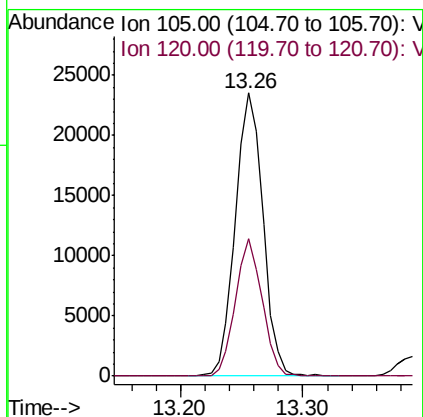
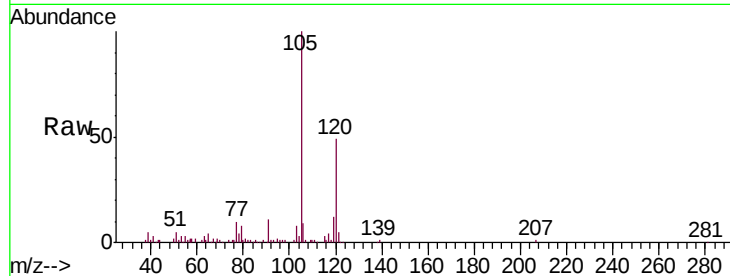




#84
 1,2,4-Trimethylbenzene
 Concen: 2.627 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW006867.D
 Acq: 13 Nov 2018 20:43

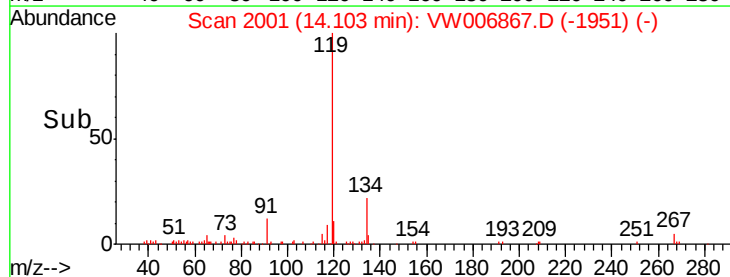
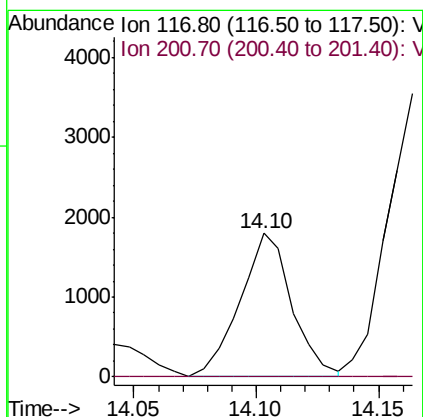
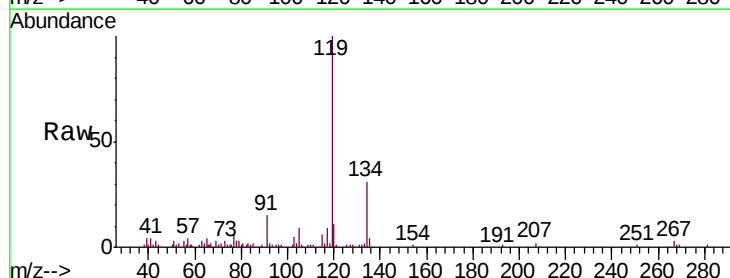
Instrument :
 MSVOA_W
 ClientSampled :
 SB-3

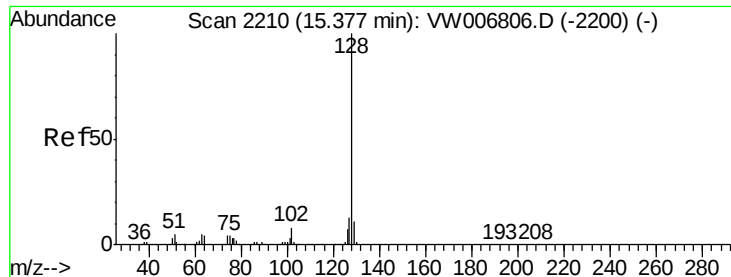
Tgt Ion:105 Resp: 36805
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.4 70.0



#90
 Hexachloroethane
 Concen: 1.057 ug/l
 RT: 14.10 min Scan# 2001
 Delta R.T. 0.01 min
 Lab File: VW006867.D
 Acq: 13 Nov 2018 20:43

Tgt Ion:117 Resp: 2652
 Ion Ratio Lower Upper
 117 100
 201 0.0 46.9 140.6#

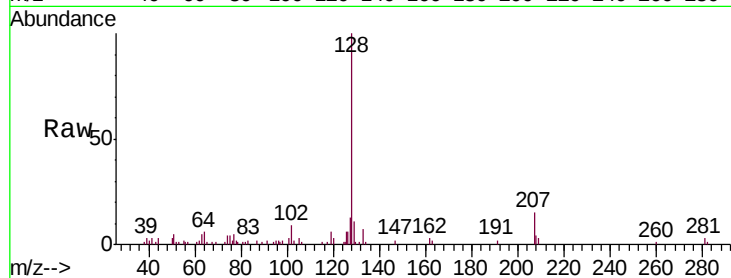




#95
Naphthalene
Concen: 1.688 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006867.D
Acq: 13 Nov 2018 20:43

Instrument :
MSVOA_W
ClientSampleId :
SB-3

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.3	15.5
129	10.8	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

