

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW103118\
 Data File : VW006488.D
 Acq On : 30 Oct 2018 07:54
 Operator : SY/AP
 Sample : J5691-02
 Misc : 5.74G/5ML/MSVOA W/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-11

Quant Time: Oct 30 08:48:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	55869	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	92181	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	89778	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	54082	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	37331	80.60	ug/l	0.00
Spiked Amount			Recovery	=	161.20%	
35) Dibromofluoromethane	7.88	113	32065	58.87	ug/l	0.00
Spiked Amount			Recovery	=	117.74%	
50) Toluene-d8	10.33	98	112000	54.05	ug/l	0.00
Spiked Amount			Recovery	=	108.10%	
62) 4-Bromofluorobenzene	12.62	95	45621	58.61	ug/l	0.00
Spiked Amount			Recovery	=	117.22%	

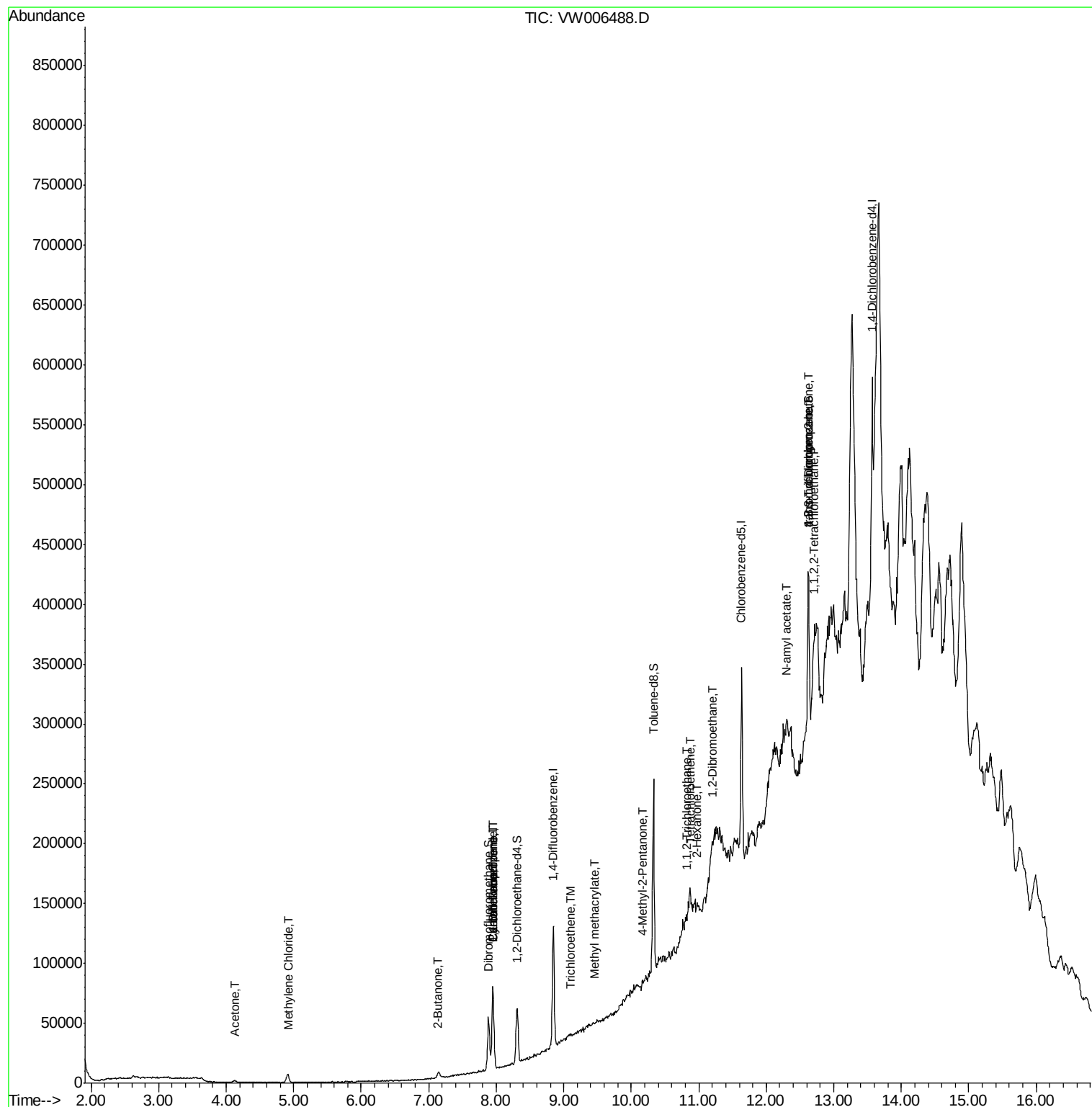
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	2384	13.426	ug/l #	72
20) Methylene Chloride	4.91	84	5636	10.204	ug/l	89
25) 2-Butanone	7.13	43	355	2.837	ug/l #	46
31) Cyclohexane	7.95	56	1342	1.583	ug/l #	58
36) 1,1-Dichloropropene	7.95	75	3381	3.979	ug/l #	55
38) Carbon Tetrachloride	7.95	117	5195	5.577	ug/l #	15
44) Trichloroethene	9.10	130	985	1.378	ug/l	95
48) Methyl methacrylate	9.46	41	529	1.729	ug/l #	58
51) 4-Methyl-2-Pentanone	10.18	43	696	2.152	ug/l #	56
55) 1,1,2-Trichloroethane	10.82	97	842	1.893	ug/l #	42
59) 2-Hexanone	10.98	43	643	2.785	ug/l	80
61) 1,2-Dibromoethane	11.19	107	475	1.069	ug/l	85
64) Tetrachloroethene	10.87	164	2610	3.745	ug/l #	69
74) N-amyl acetate	12.29	43	1058	1.426	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.70	83	13056	22.467	ug/l #	34
76) 1,2,3-Trichloropropane	12.62	75	21566	52.208	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	21566	124.797	ug/l #	12

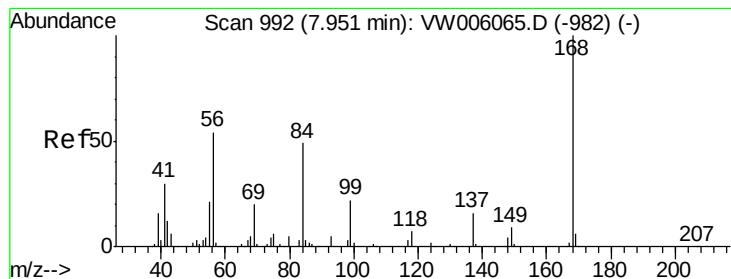
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006488.D

Acq: 30 Oct 2018 07:54

Instrument :

MSVOA_W

ClientSampled :

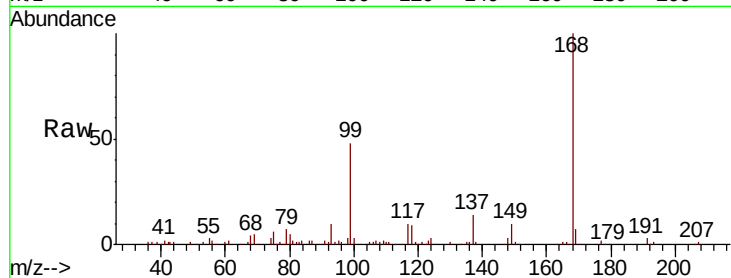
SB-11

Tot Ion:168 Resp: 55869

Ion Ratio Lower Upper

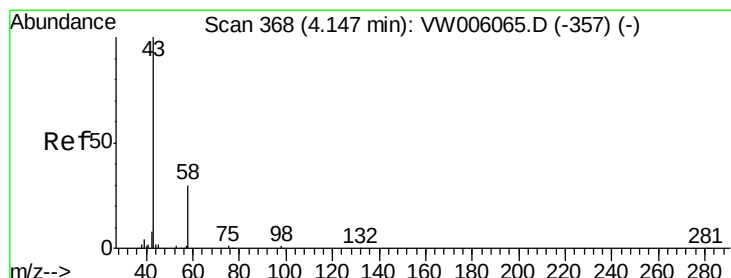
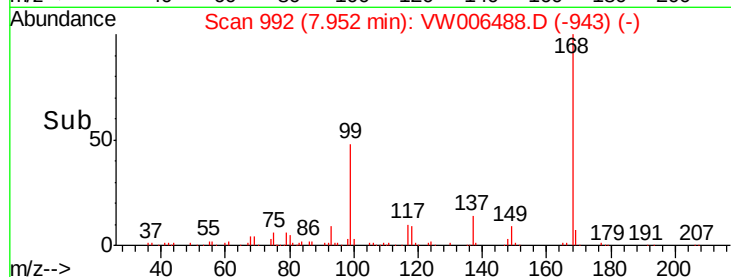
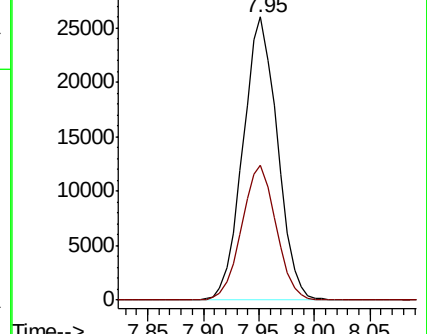
168 100

99 47.6 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 13.426 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

Lab File: VW006488.D

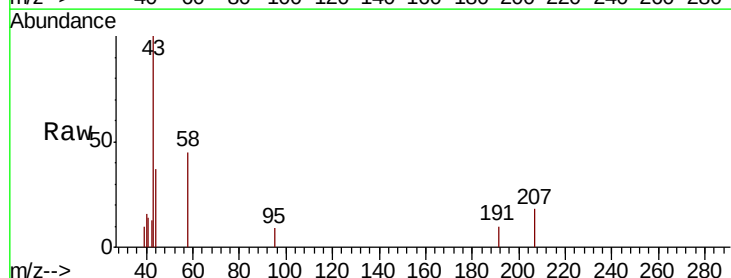
Acq: 30 Oct 2018 07:54

Tgt Ion: 43 Resp: 2384

Ion Ratio Lower Upper

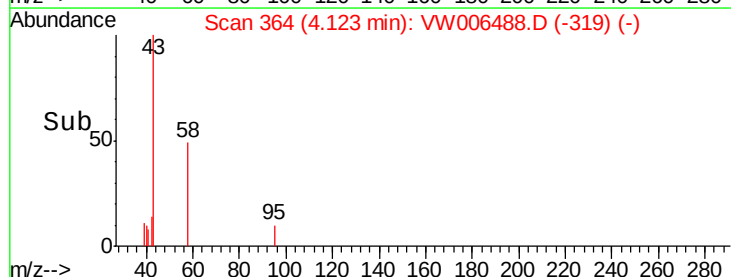
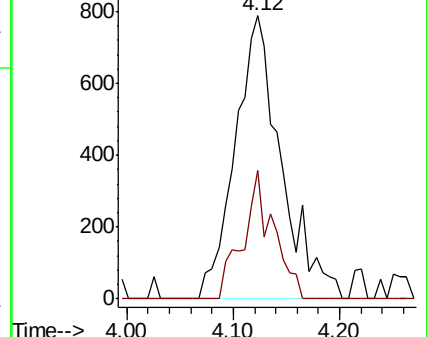
43 100

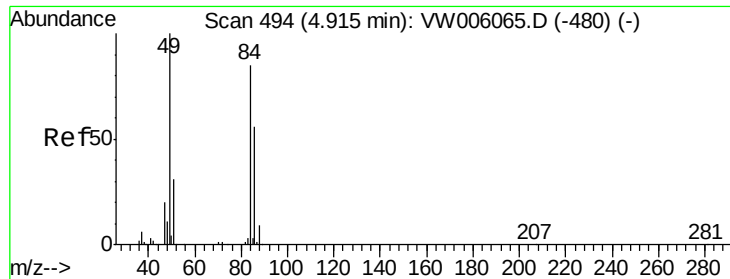
58 45.2 24.0 36.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

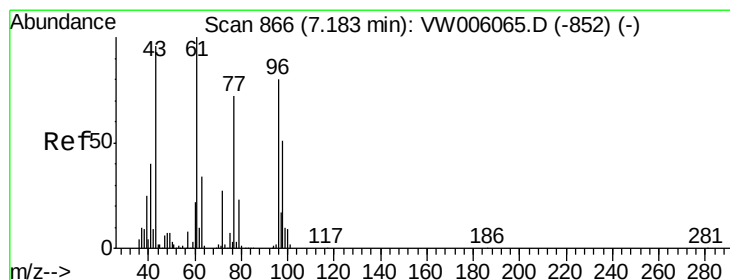
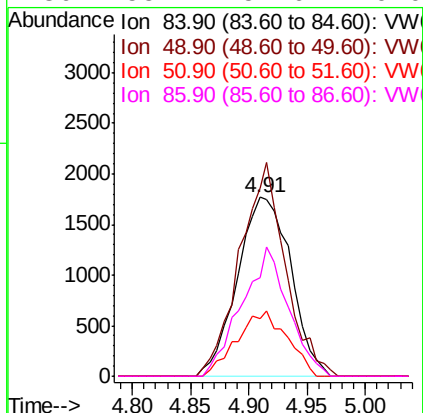
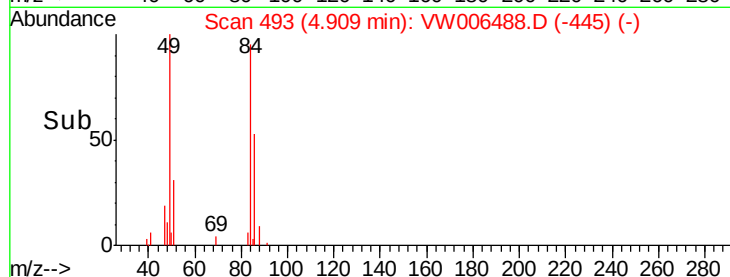
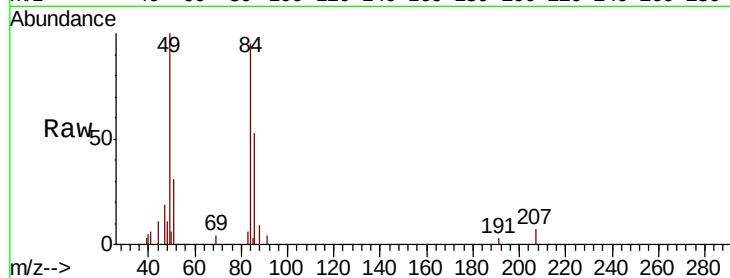




#20
Methylene Chloride
Concen: 10.204 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006488.D
Acq: 30 Oct 2018 07:54

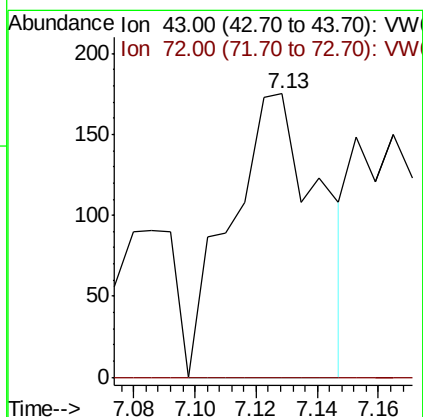
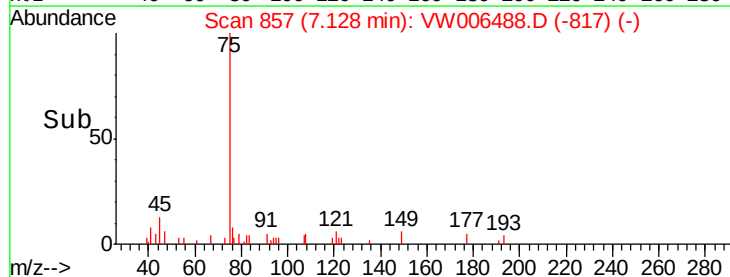
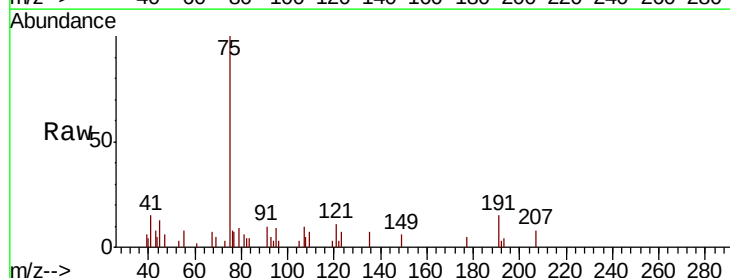
Instrument :
MSVOA_W
ClientSampleId :
SB-11

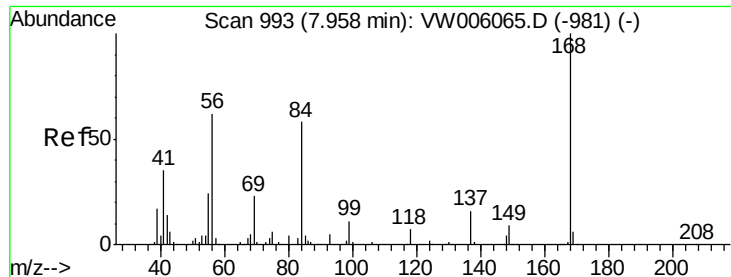
Tot Ion:	84	Resp:	5636
Ion	Ratio	Lower	Upper
84	100		
49	104.7	93.6	140.4
51	32.1	29.0	43.4
86	55.4	52.6	79.0



#25
2-Butanone
Concen: 2.837 ug/l
RT: 7.13 min Scan# 857
Delta R.T. -0.05 min
Lab File: VW006488.D
Acq: 30 Oct 2018 07:54

Tgt Ion:	43	Resp:	355
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.8	34.2#

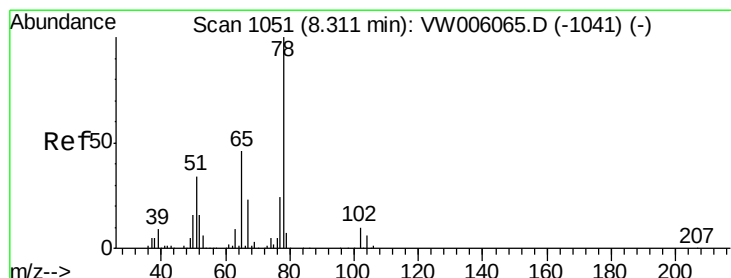
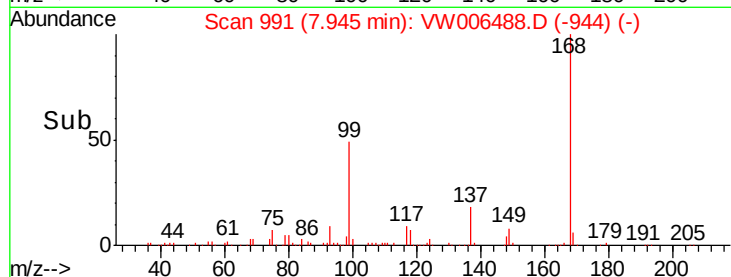
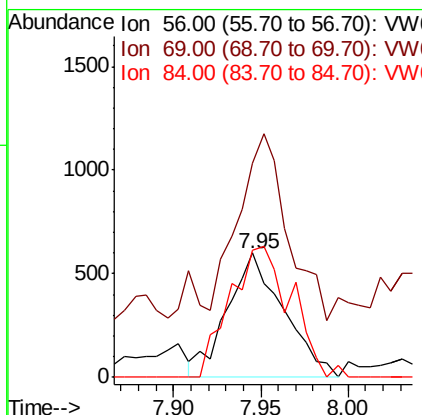
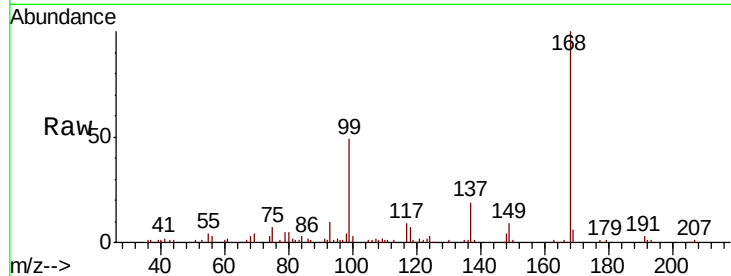




#31
Cyclohexane
Concen: 1.583 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW006488.D
Acq: 30 Oct 2018 07:54

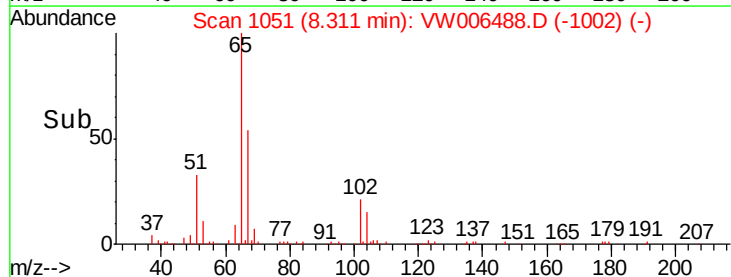
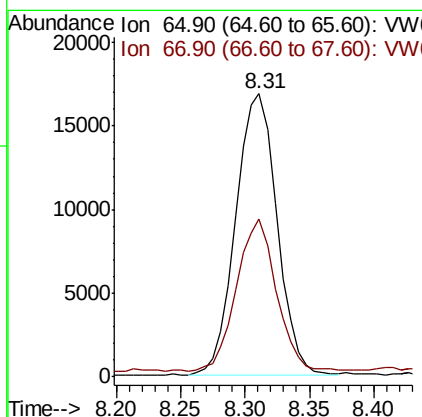
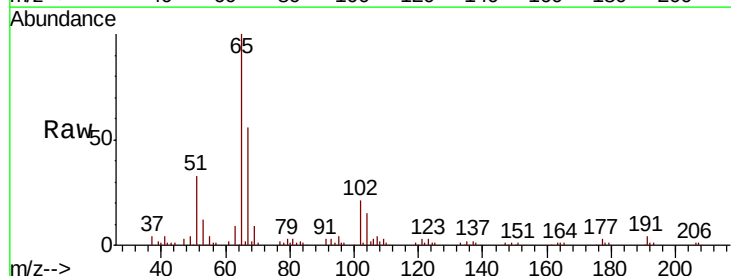
Instrument :
MSVOA_W
ClientSampleId :
SB-11

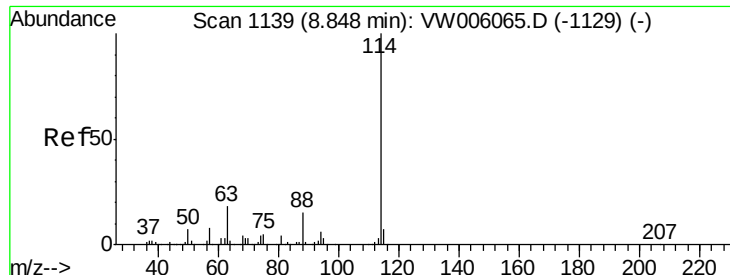
Tot Ion	56	Resp	1342
Ion Ratio	Lower	Upper	
56	100		
69	107.8	29.4	44.0#
84	102.7	74.0	111.0



#33
1,2-Dichloroethane-d4
Concen: 80.596 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VW006488.D
Acq: 30 Oct 2018 07:54

Tgt Ion	65	Resp	37331
Ion Ratio	Lower	Upper	
65	100		
67	53.3	0.0	101.0

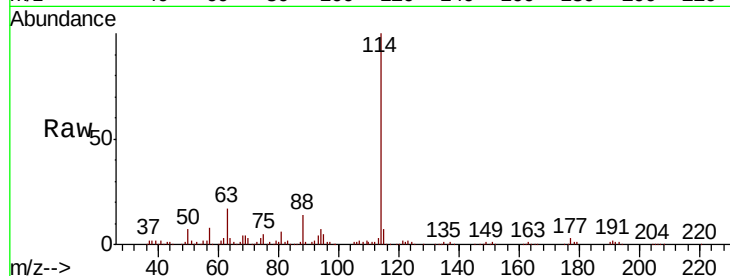




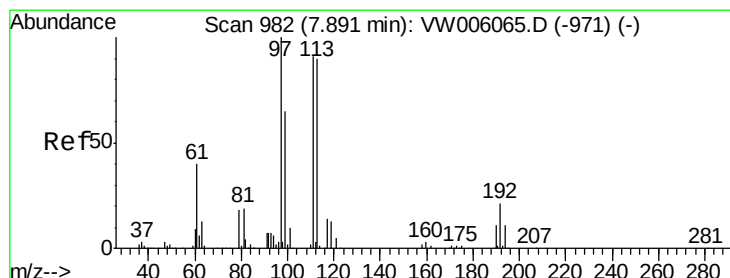
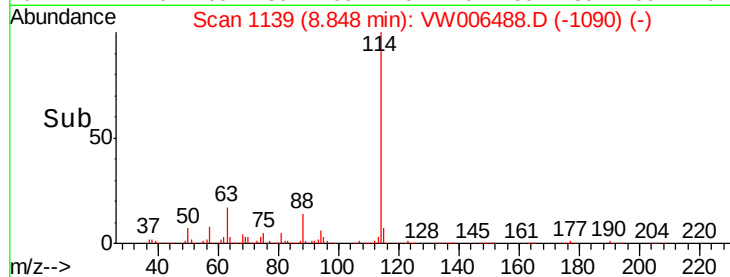
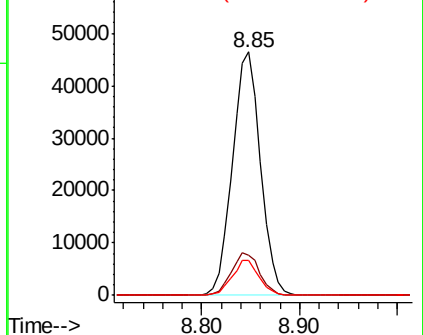
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006488.D
 Acq: 30 Oct 2018 07:54

Instrument :
 MSVOA_W
 ClientSampled :
 SB-11

Tot Ion	Ratio	Lower	Upper
114	100		
63	16.7	0.0	36.8
88	14.5	0.0	29.0

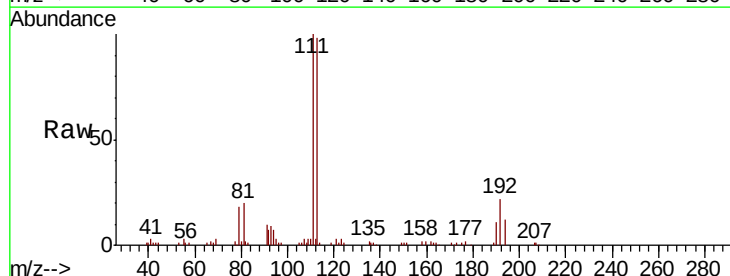


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VV
 Ion 87.90 (87.60 to 88.60): VV

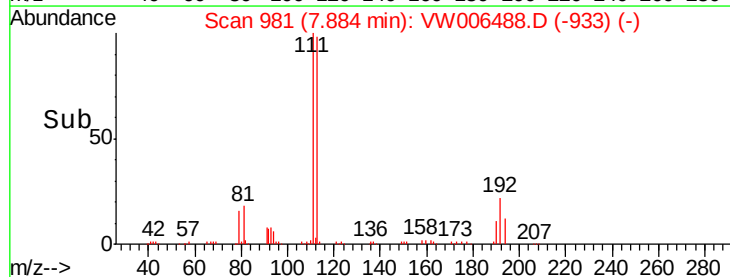
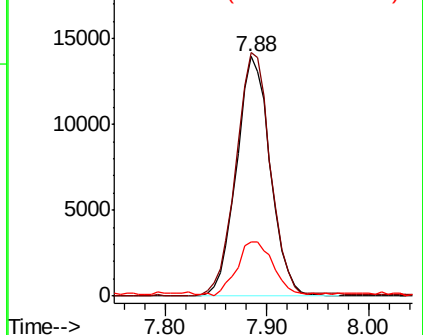


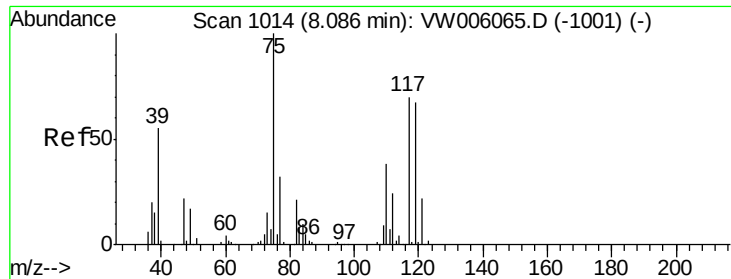
#35
 Dibromofluoromethane
 Concen: 58.868 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006488.D
 Acq: 30 Oct 2018 07:54

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.4	122.0
192	22.9	18.7	28.1



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

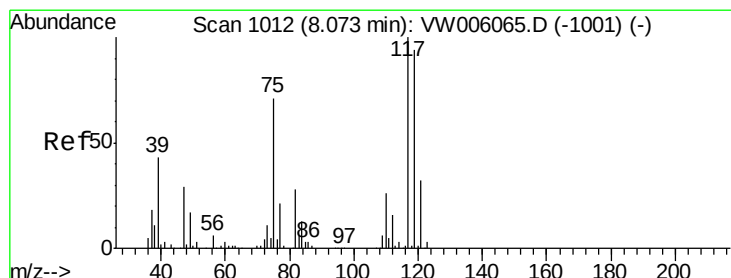
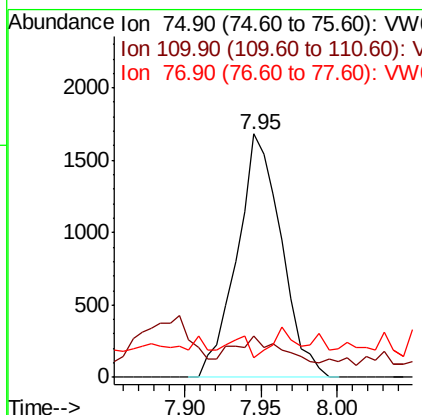
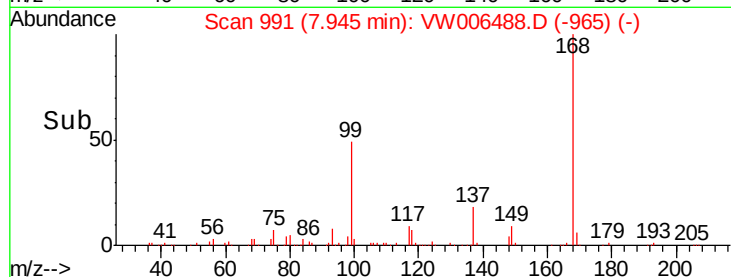
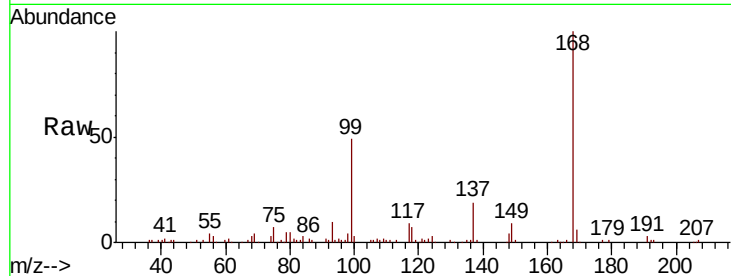




#36
 1,1-Dichloropropene
 Concen: 3.979 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW006488.D
 Acq: 30 Oct 2018 07:54

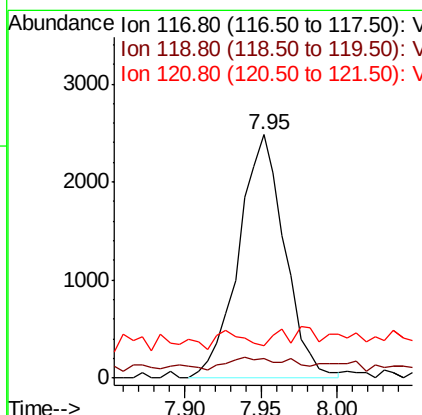
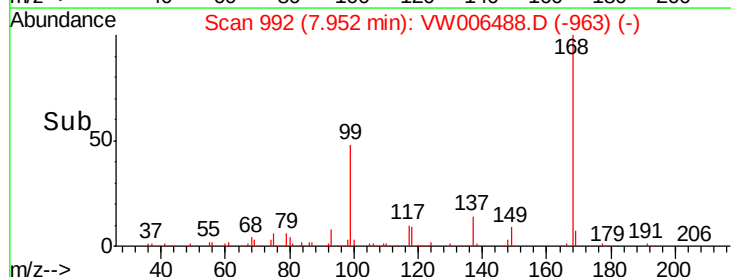
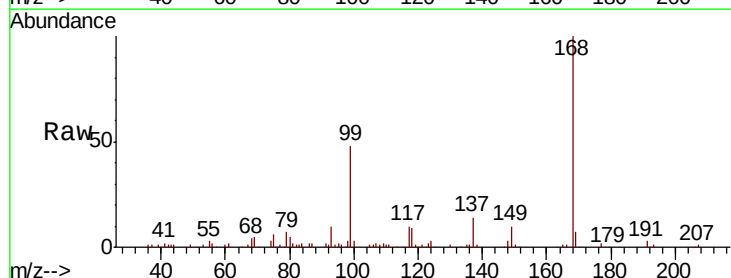
Instrument :
 MSVOA_W
 ClientSampled :
 SB-11

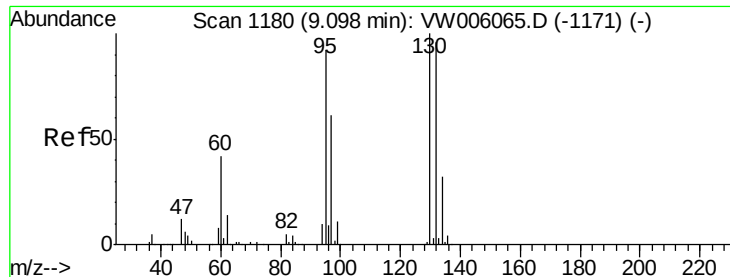
Tot Ion	Ratio	Lower	Upper
75	100		
110	12.8	19.1	57.1#
77	3.8	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 5.577 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW006488.D
 Acq: 30 Oct 2018 07:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.2	75.2	112.8#
121	0.0	25.3	37.9#





#44

Trichloroethene

Concen: 1.378 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VW006488.D

Acq: 30 Oct 2018 07:54

Instrument :

MSVOA_W

ClientSampled :

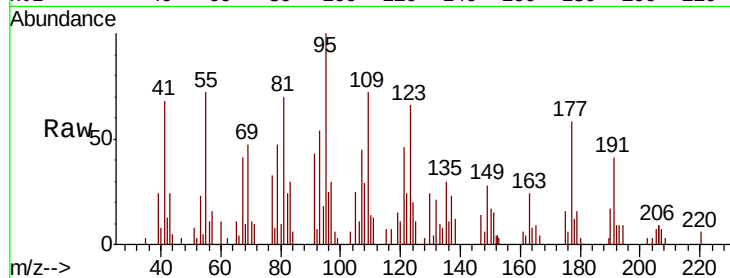
SB-11

Tot Ion:130 Resp: 985

Ion Ratio Lower Upper

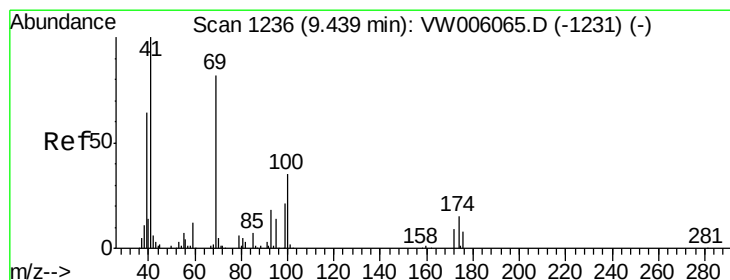
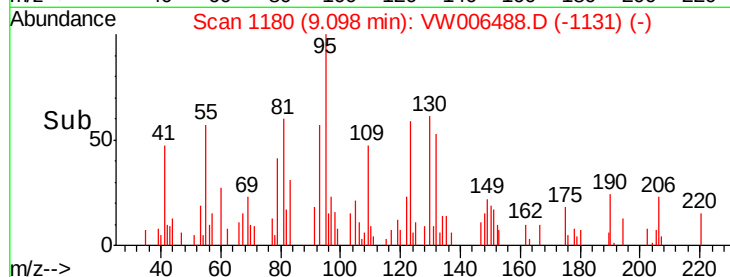
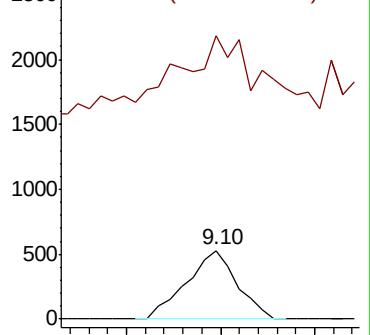
130 100

95 96.8 0.0 183.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW



#48

Methyl methacrylate

Concen: 1.729 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.02 min

Lab File: VW006488.D

Acq: 30 Oct 2018 07:54

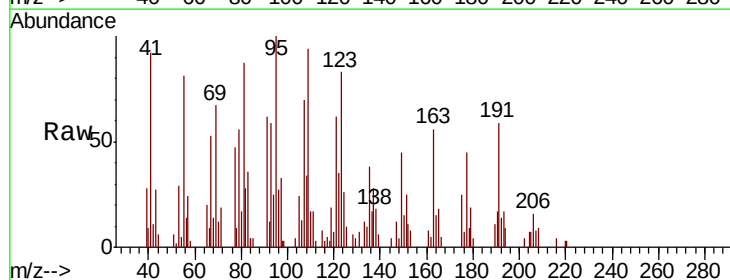
Tgt Ion: 41 Resp: 529

Ion Ratio Lower Upper

41 100

69 123.4 71.8 107.8#

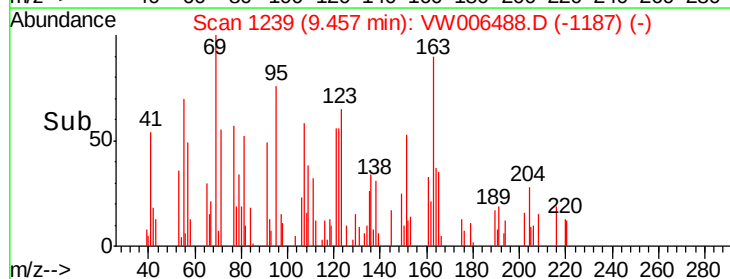
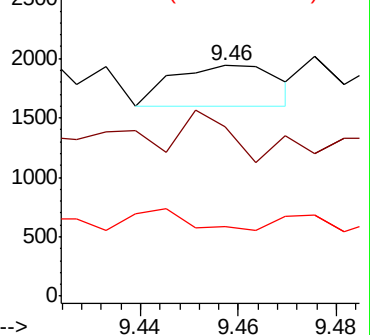
39 26.5 52.5 78.7#

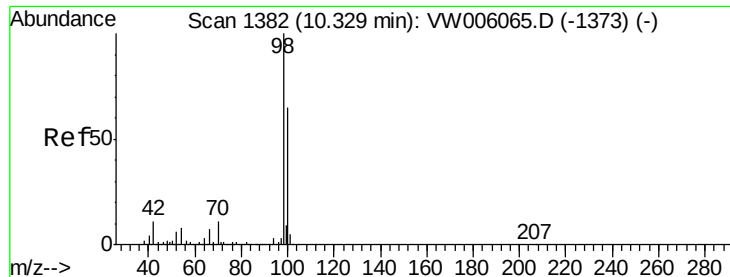


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#50

Toluene-d8

Concen: 54.046 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006488.D

Acq: 30 Oct 2018 07:54

Instrument :

MSVOA_W

ClientSampled :

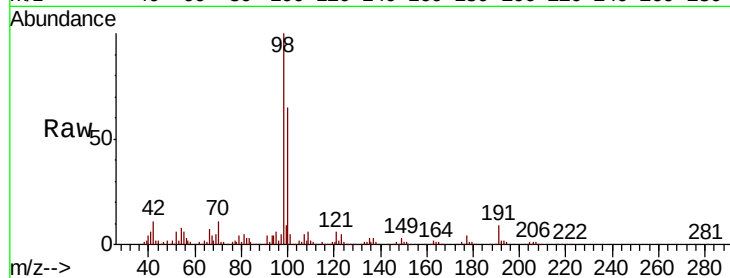
SB-11

Tot Ion: 98 Resp: 112000

Ion Ratio Lower Upper

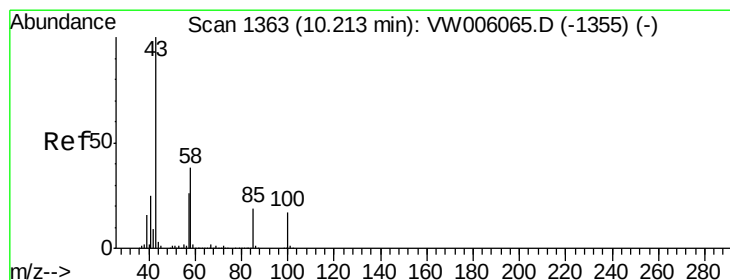
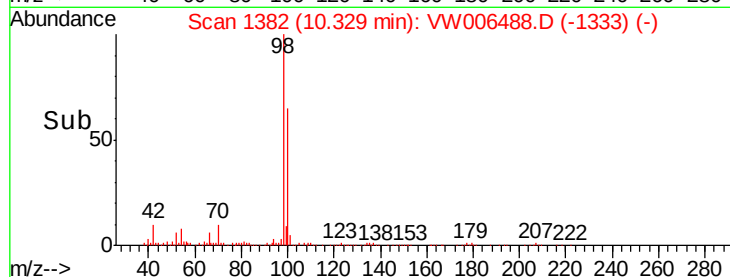
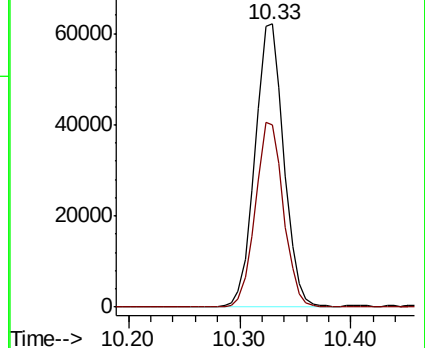
98 100

100 63.8 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 2.152 ug/l

RT: 10.18 min Scan# 1357

Delta R.T. -0.04 min

Lab File: VW006488.D

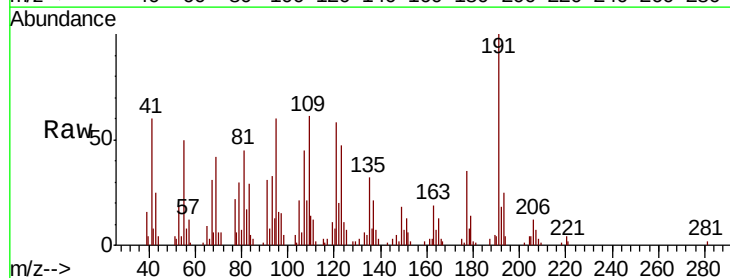
Acq: 30 Oct 2018 07:54

Tgt Ion: 43 Resp: 696

Ion Ratio Lower Upper

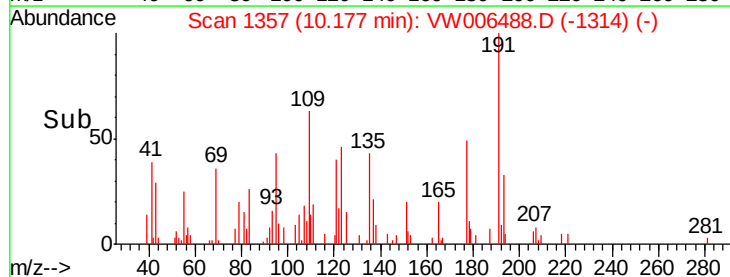
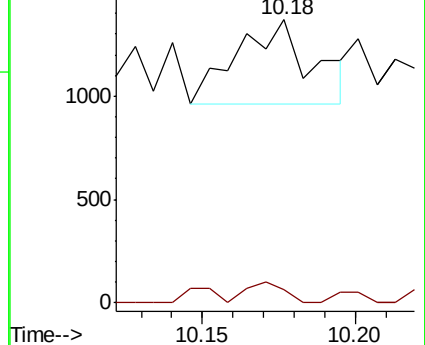
43 100

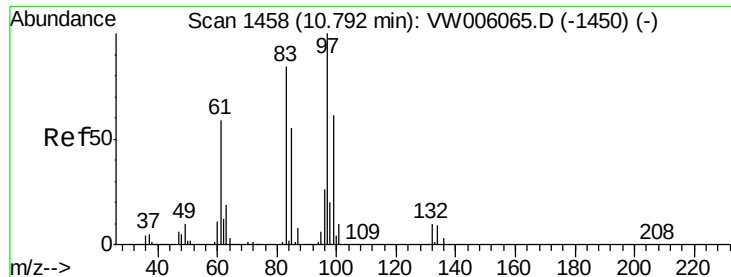
58 12.5 31.5 47.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

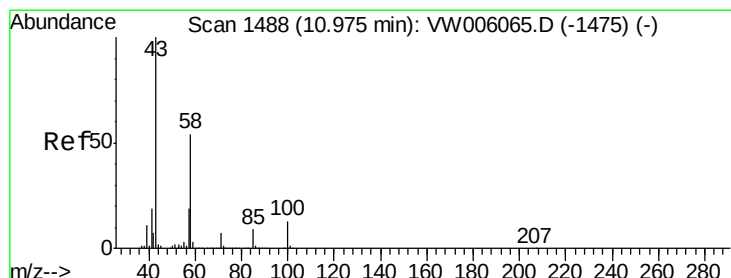
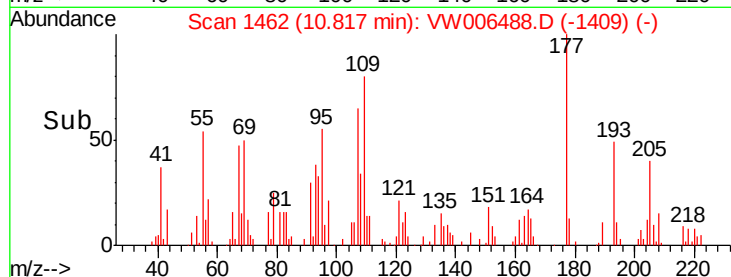
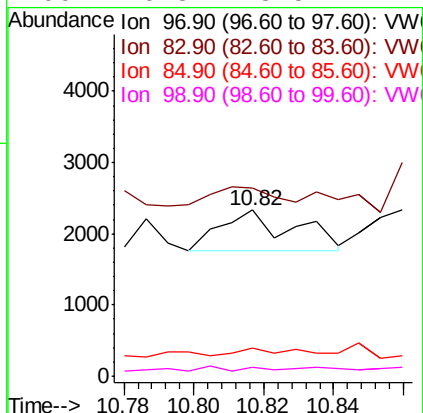
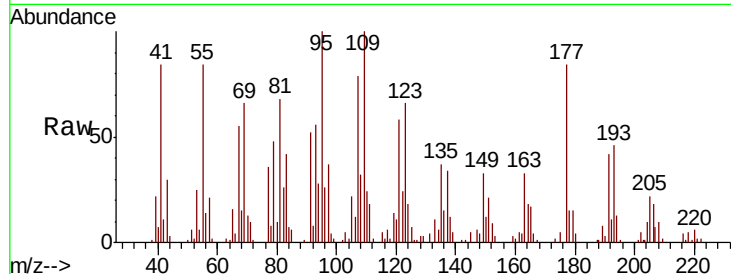




#55
 1,1,2-Trichloroethane
 Concen: 1.893 ug/l
 RT: 10.82 min Scan# 1462
 Delta R.T. 0.02 min
 Lab File: VW006488.D
 Acq: 30 Oct 2018 07:54

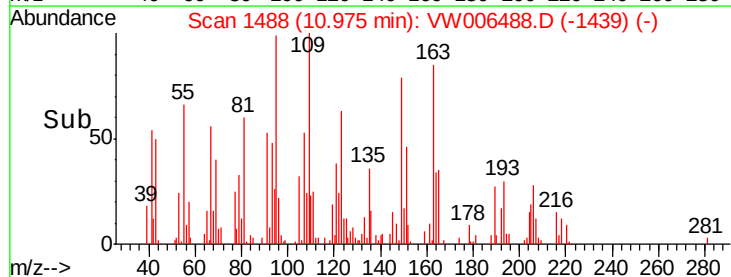
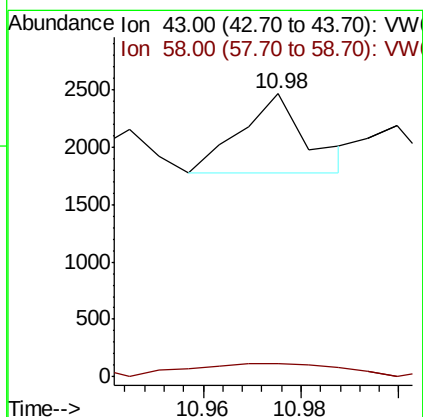
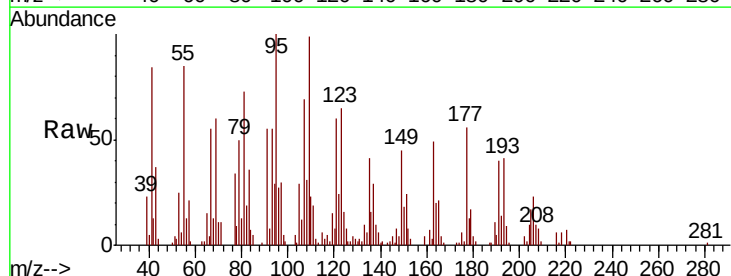
Instrument :
 MSVOA_W
 ClientSampled :
 SB-11

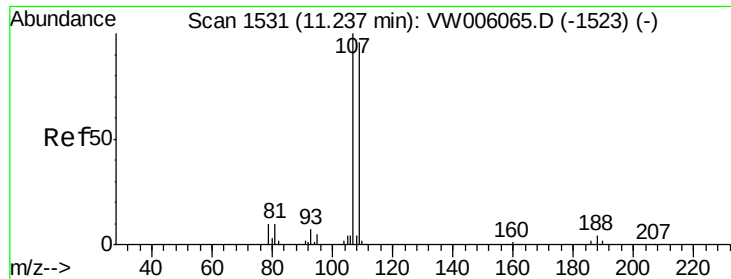
Tot Ion: 97 Resp: 842
 Ion Ratio Lower Upper
 97 100
 83 38.9 67.2 100.8#
 85 13.3 43.7 65.5#
 99 6.8 48.5 72.7#



#59
 2-Hexanone
 Concen: 2.785 ug/l
 RT: 10.98 min Scan# 1488
 Delta R.T. 0.00 min
 Lab File: VW006488.D
 Acq: 30 Oct 2018 07:54

Tgt Ion: 43 Resp: 643
 Ion Ratio Lower Upper
 43 100
 58 39.7 26.9 80.6

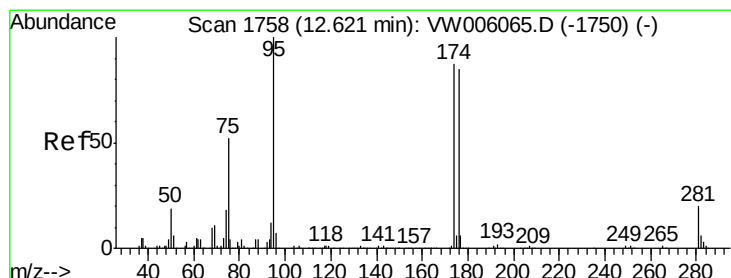
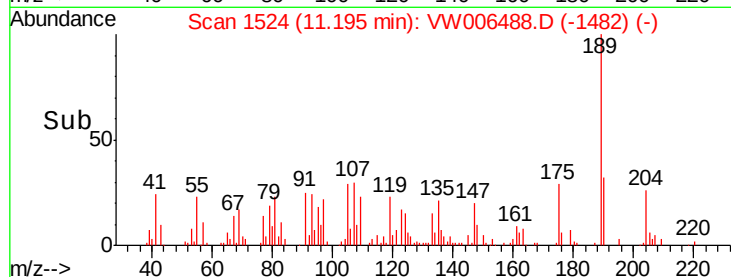
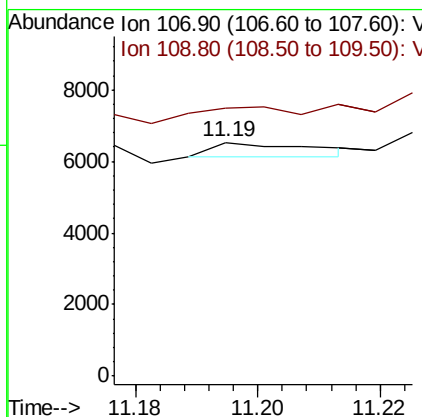
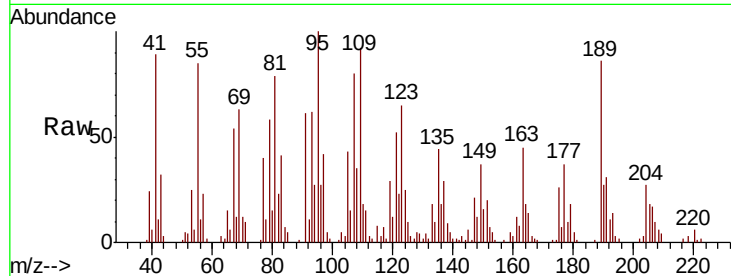




#61
 1,2-Dibromoethane
 Concen: 1.069 ug/l
 RT: 11.19 min Scan# 1524
 Delta R.T. -0.04 min
 Lab File: VW006488.D
 Acq: 30 Oct 2018 07:54

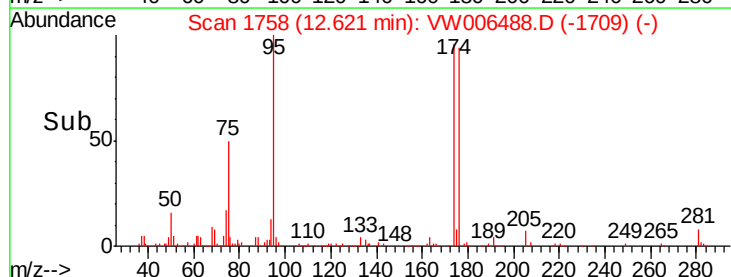
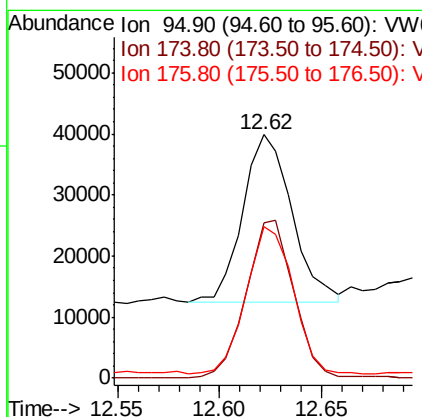
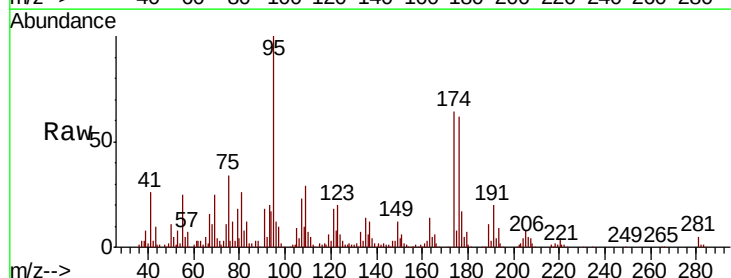
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-11

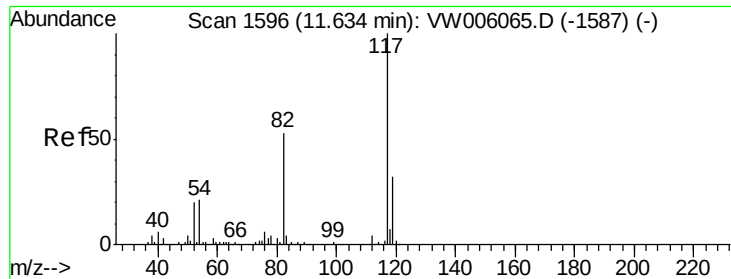
Tot Ion: 107 Resp: 475
 Ion Ratio Lower Upper
 107 100
 109 109.9 76.3 114.5



#62
 4-Bromofluorobenzene
 Concen: 58.614 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW006488.D
 Acq: 30 Oct 2018 07:54

Tgt Ion: 95 Resp: 45621
 Ion Ratio Lower Upper
 95 100
 174 92.7 0.0 186.0
 176 84.4 0.0 181.6

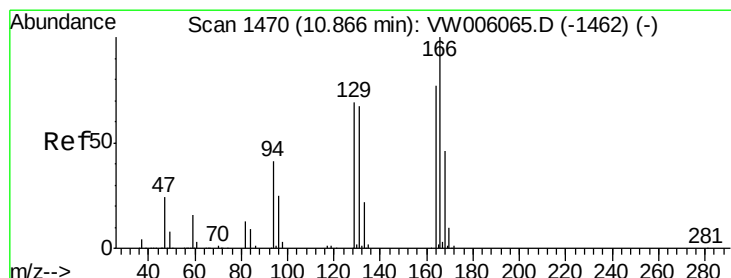
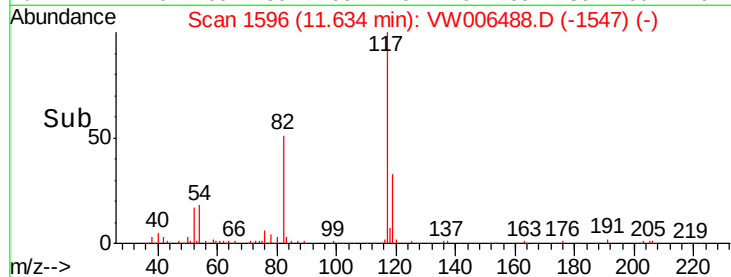
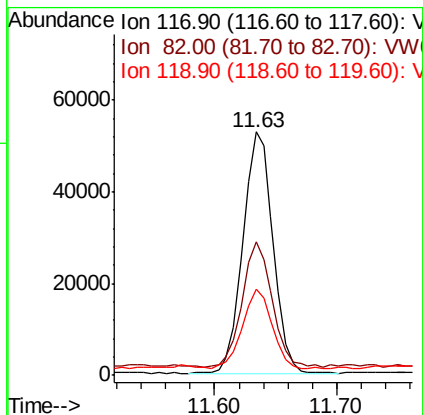
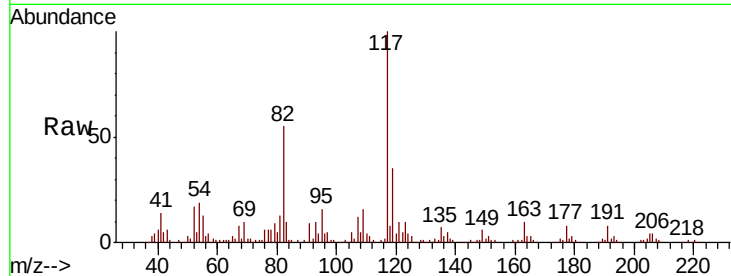




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006488.D
Acq: 30 Oct 2018 07:54

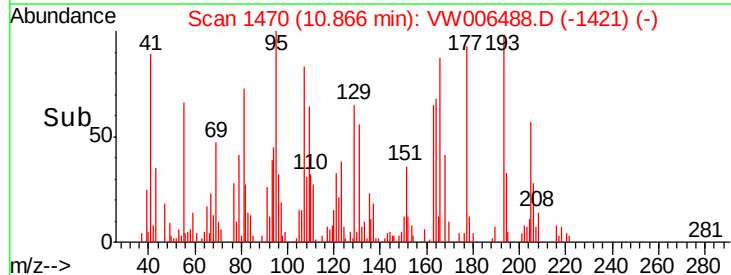
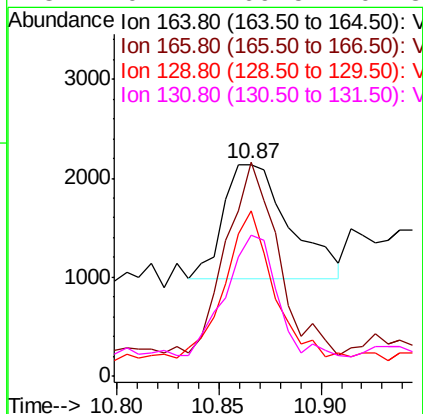
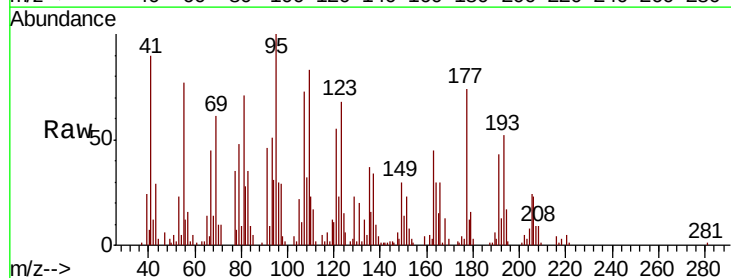
Instrument :
MSVOA_W
ClientSampleId :
SB-11

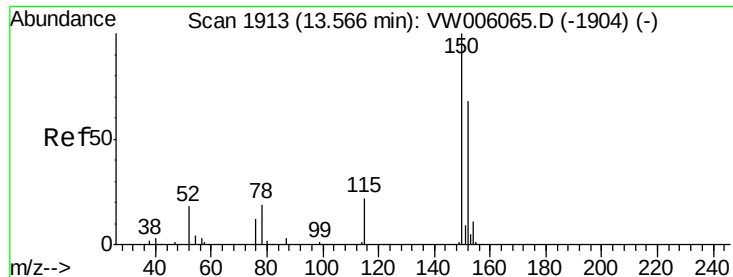
Tot Ion:117 Resp: 89778
Ion Ratio Lower Upper
117 100
82 51.3 42.1 63.1
119 32.3 25.8 38.6



#64
Tetrachloroethene
Concen: 3.745 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006488.D
Acq: 30 Oct 2018 07:54

Tgt Ion:164 Resp: 2610
Ion Ratio Lower Upper
164 100
166 169.0 103.4 155.0#
129 124.7 71.8 107.8#
131 104.1 69.5 104.3



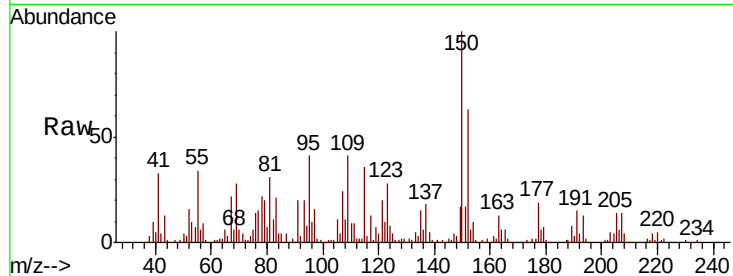


#72

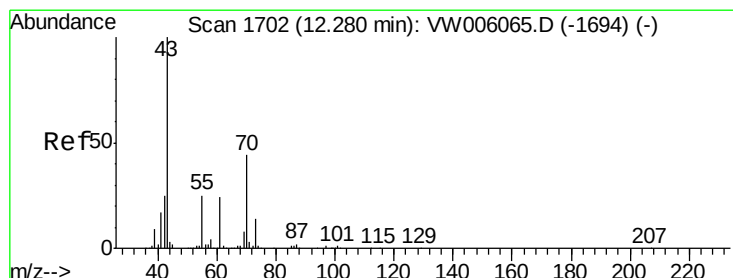
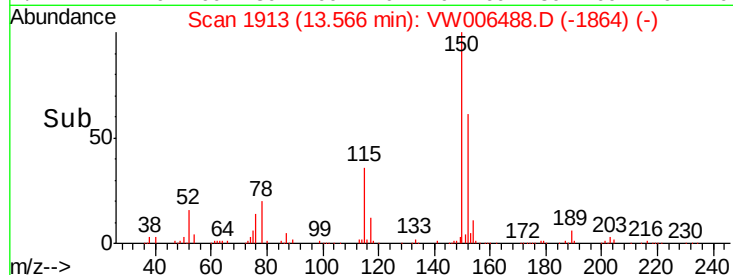
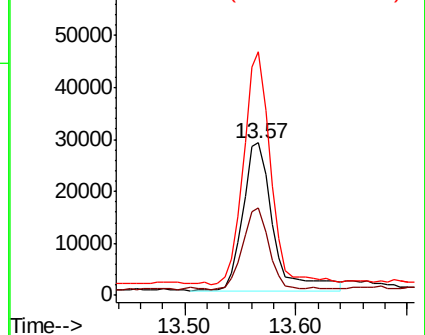
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006488.D
Acq: 30 Oct 2018 07:54

Instrument :
MSVOA_W
ClientSampled :
SB-11

Tot Ion:152 Resp: 54082
Ion Ratio Lower Upper
152 100
115 47.6 27.8 83.3
150 139.9 0.0 349.2



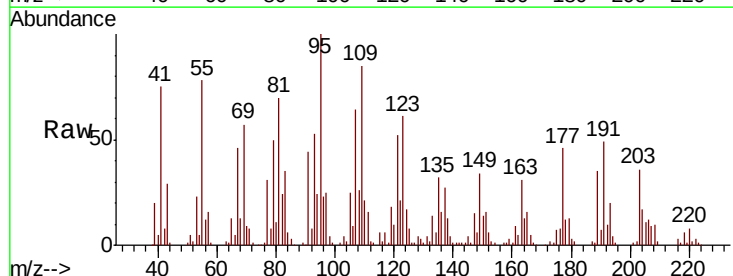
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



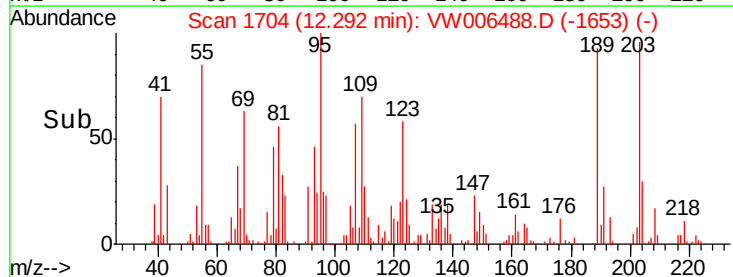
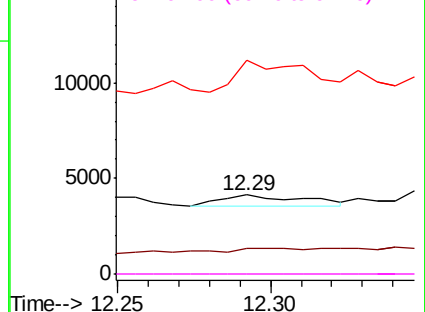
#74

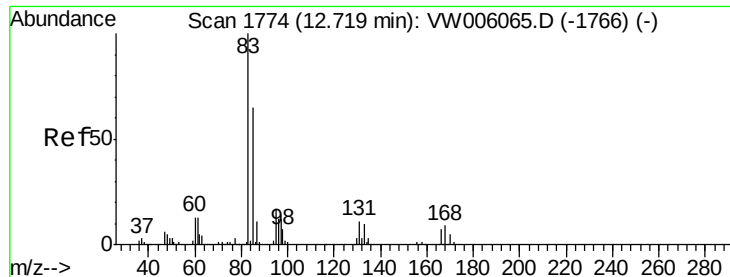
N-amil acetate
Concen: 1.426 ug/l
RT: 12.29 min Scan# 1704
Delta R.T. 0.01 min
Lab File: VW006488.D
Acq: 30 Oct 2018 07:54

Tgt Ion: 43 Resp: 1058
Ion Ratio Lower Upper
43 100
70 22.2 34.2 51.4#
55 247.3 19.2 28.8#
61 0.0 19.0 28.6#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 70.00 (69.70 to 70.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 22.467 ug/l

RT: 12.70 min Scan# 1771

Delta R.T. -0.02 min

Lab File: VW006488.D

Acq: 30 Oct 2018 07:54

Instrument :

MSVOA_W

ClientSampled :

SB-11

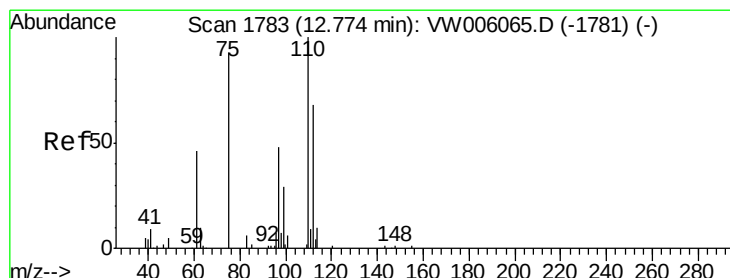
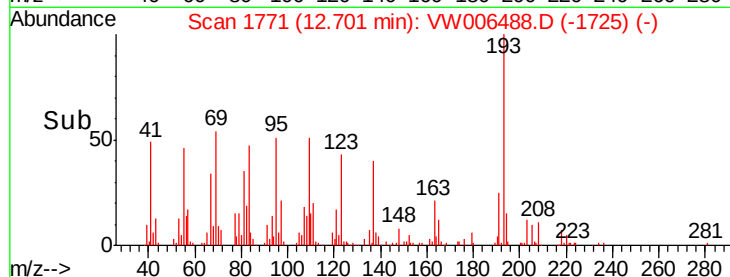
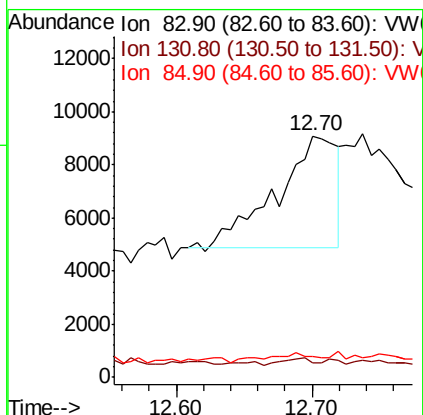
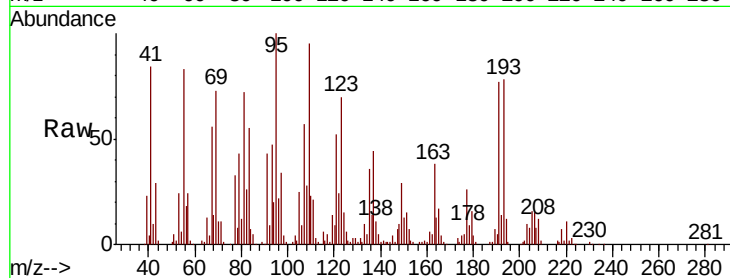
Tot Ion: 83 Resp: 13056

Ion Ratio Lower Upper

83 100

131 2.7 5.9 17.7#

85 6.3 31.9 95.9#



#76

1,2,3-Trichloropropane

Concen: 52.208 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006488.D

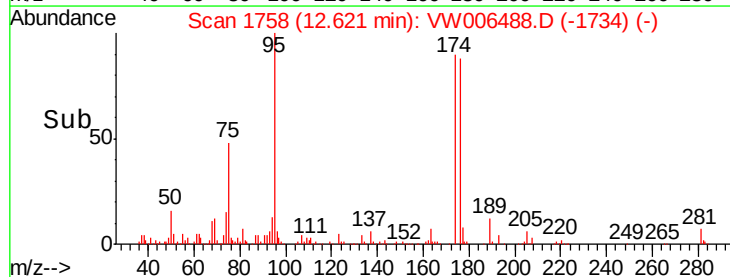
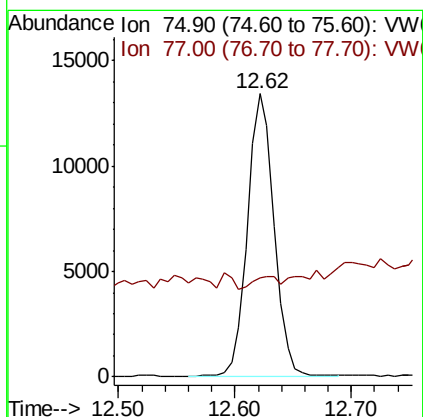
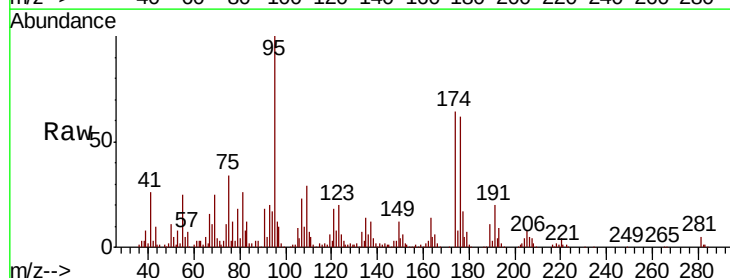
Acq: 30 Oct 2018 07:54

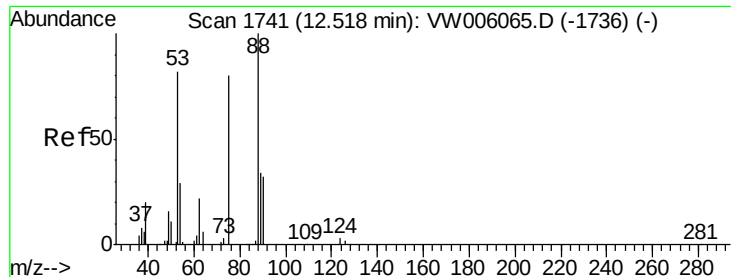
Tgt Ion: 75 Resp: 21566

Ion Ratio Lower Upper

75 100

77 4.4 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 124.797 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006488.D

Acq: 30 Oct 2018 07:54

Instrument :

MSVOA_W

ClientSampleId :

SB-11

Tot Ion: 75 Resp: 21566

Ion Ratio Lower Upper

75 100

53 3.0 79.8 119.6#

89 0.7 37.5 56.3#

