

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW103118\
 Data File : VW006487.D
 Acq On : 30 Oct 2018 07:28
 Operator : SY/AP
 Sample : J5691-01
 Misc : 6.15G/5ML/MSVOA W/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-12

Quant Time: Oct 30 07:54:47 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	170455	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	266708	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	166374	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	43773	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	94736	67.04	ug/l	0.00
Spiked Amount			Recovery	=	134.08%	
35) Dibromofluoromethane	7.88	113	92890	58.94	ug/l	0.00
Spiked Amount			Recovery	=	117.88%	
50) Toluene-d8	10.33	98	200943	33.51	ug/l	0.00
Spiked Amount			Recovery	=	67.02%	
62) 4-Bromofluorobenzene	12.62	95	58028	25.77	ug/l	0.00
Spiked Amount			Recovery	=	51.54%	

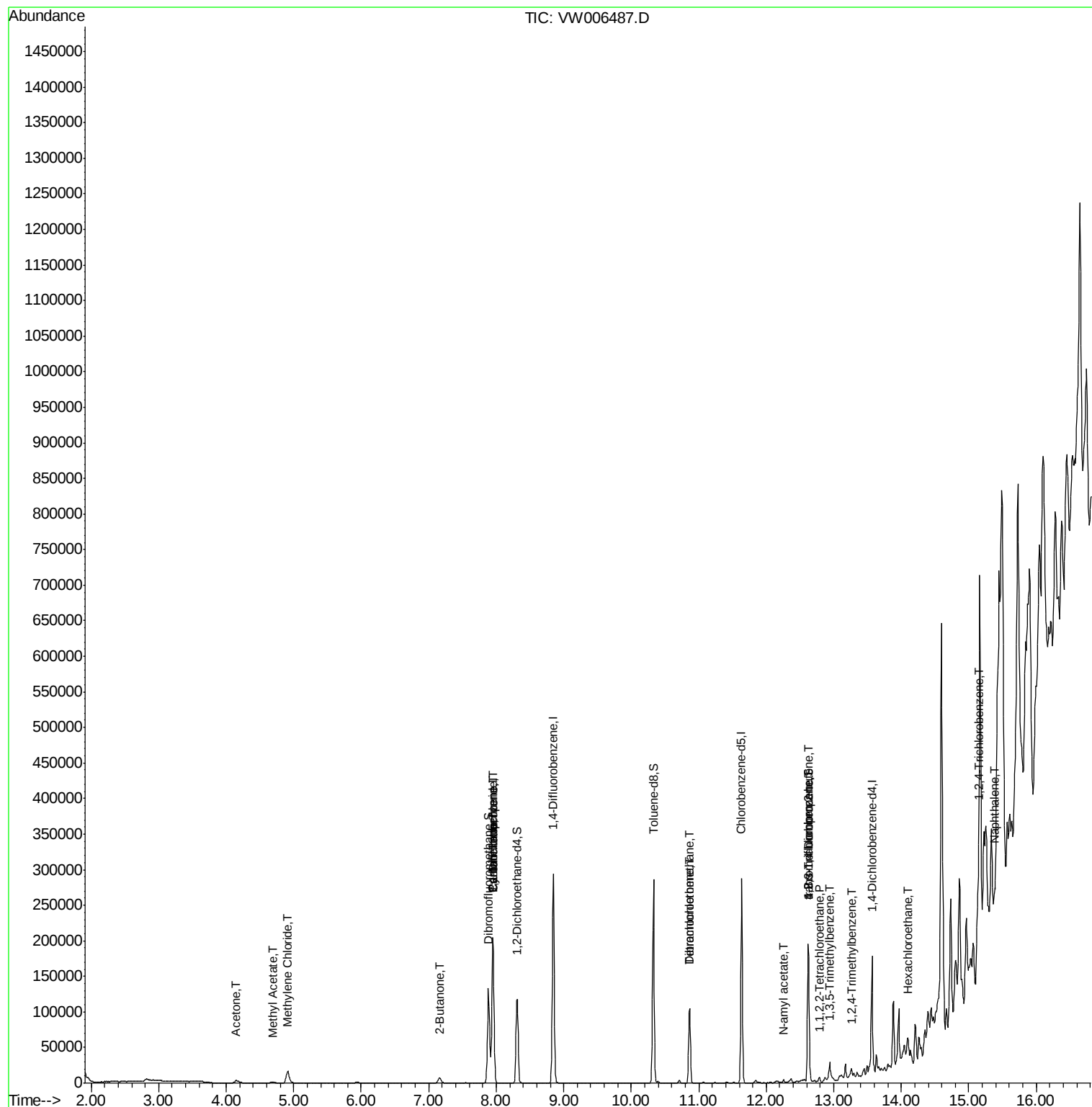
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.15	43	7525	14.434	ug/l	93
18) Methyl Acetate	4.68	43	2565	3.607	ug/l #	84
20) Methylene Chloride	4.92	84	13286	7.502	ug/l	96
25) 2-Butanone	7.17	43	655	1.716	ug/l #	46
31) Cyclohexane	7.95	56	2827	1.093	ug/l #	7
36) 1,1-Dichloropropene	7.95	75	10826	4.404	ug/l #	48
38) Carbon Tetrachloride	7.95	117	14667	5.442	ug/l #	17
60) Dibromochloromethane	10.87	129	19460	12.139	ug/l #	11
64) Tetrachloroethene	10.87	164	25779	19.959	ug/l	96
74) N-amyl acetate	12.26	43	877	1.460	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.78	83	848	1.803	ug/l #	38
76) 1,2,3-Trichloropropane	12.62	75	28572	85.458	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.95	105	2938	1.127	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.62	75	28572	204.279	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.26	105	7464	2.829	ug/l	96
90) Hexachloroethane	14.10	117	976	1.933	ug/l #	4
93) 1,2,4-Trichlorobenzene	15.14	180	3938	3.806	ug/l #	24
95) Naphthalene	15.38	128	2385	1.386	ug/l #	82

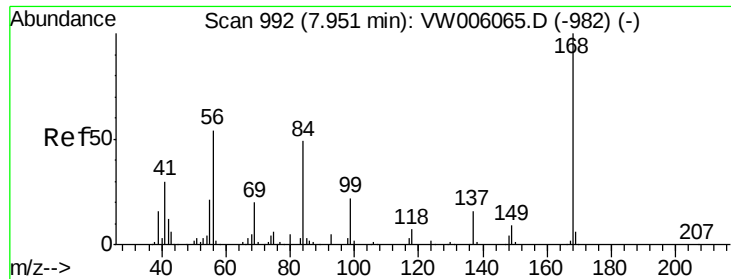
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 30 07:54:47 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
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: VW006487.D

Acq: 30 Oct 2018 07:28

Instrument :

MSVOA_W

ClientSampled :

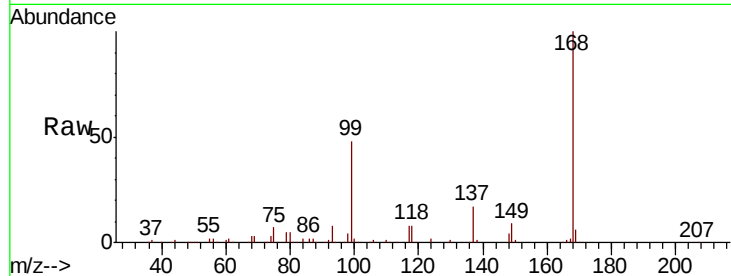
SB-12

Tot Ion:168 Resp: 170455

Ion Ratio Lower Upper

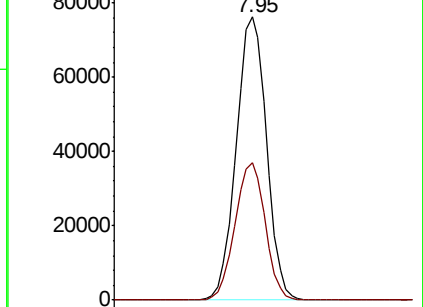
168 100

99 48.4 39.9 59.9

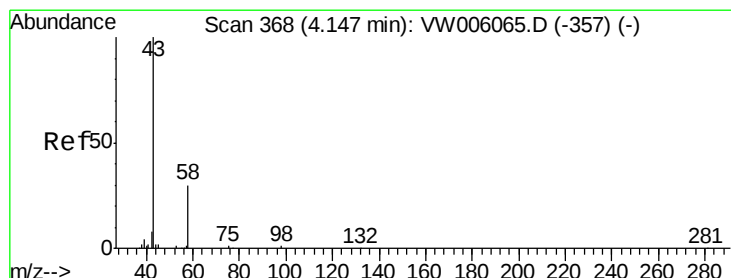
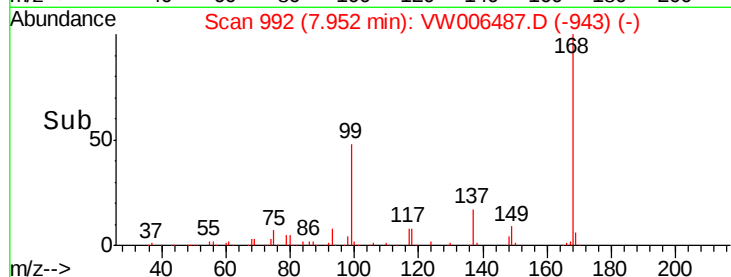


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



Time-->



#16

Acetone

Concen: 14.434 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.00 min

Lab File: VW006487.D

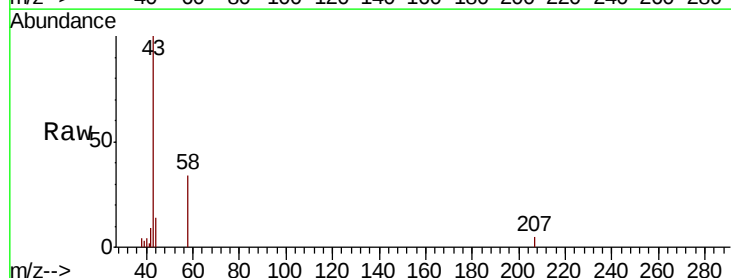
Acq: 30 Oct 2018 07:28

Tgt Ion: 43 Resp: 7525

Ion Ratio Lower Upper

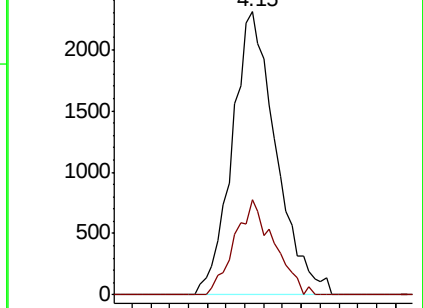
43 100

58 33.7 24.0 36.0

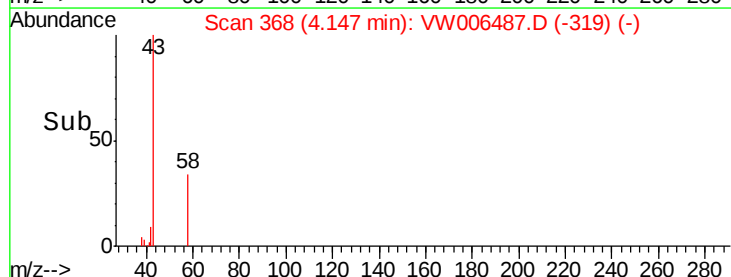


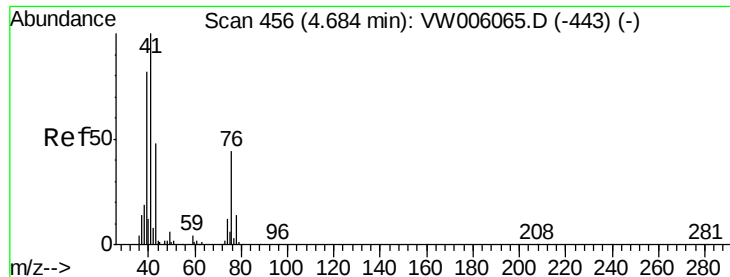
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



Time-->

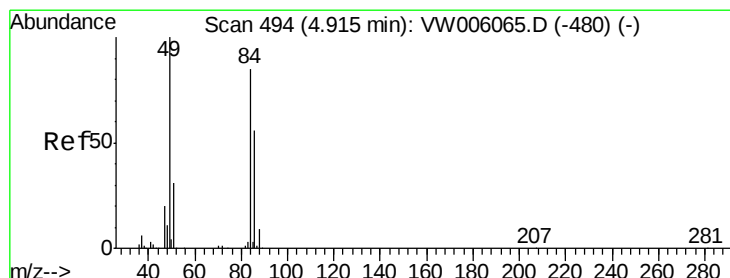
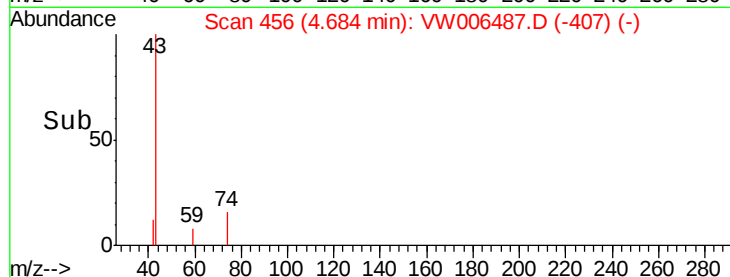
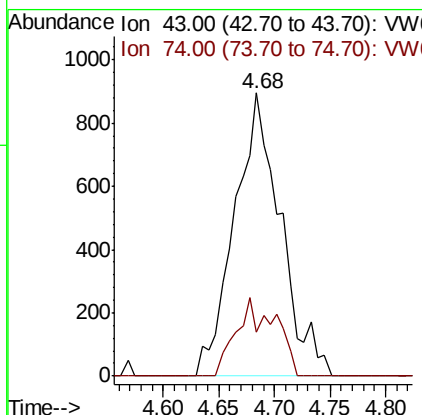
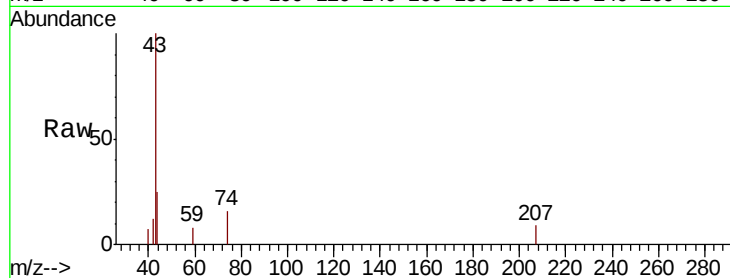




#18
Methyl Acetate
Concen: 3.607 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.00 min
Lab File: VW006487.D
Acq: 30 Oct 2018 07:28

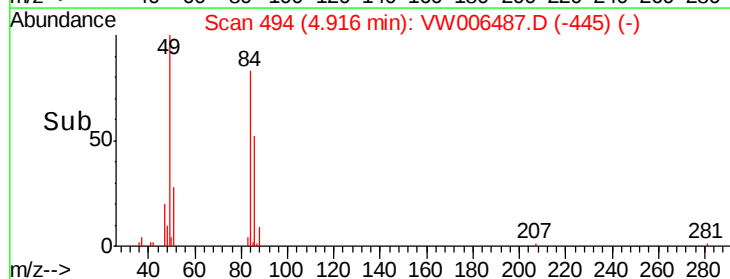
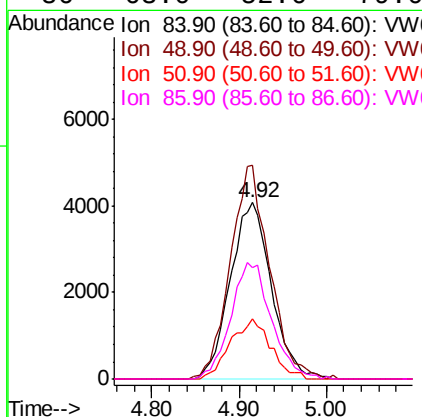
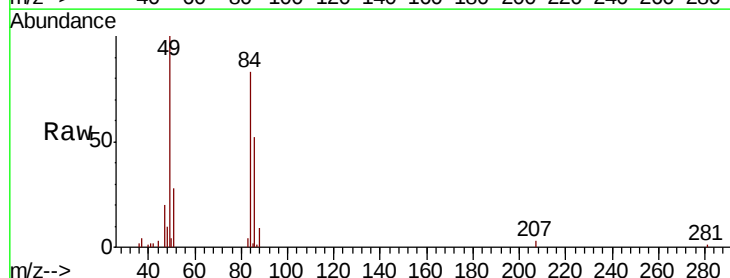
Instrument :
MSVOA_W
ClientSampled :
SB-12

Tot Ion: 43 Resp: 2565
Ion Ratio Lower Upper
43 100
74 17.4 20.5 30.7#



#20
Methylene Chloride
Concen: 7.502 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006487.D
Acq: 30 Oct 2018 07:28

Tgt Ion: 84 Resp: 13286
Ion Ratio Lower Upper
84 100
49 121.1 93.6 140.4
51 34.3 29.0 43.4
86 63.0 52.6 79.0





#25

2-Butanone

Concen: 1.716 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW006487.D

Acq: 30 Oct 2018 07:28

Instrument :

MSVOA_W

ClientSampleId :

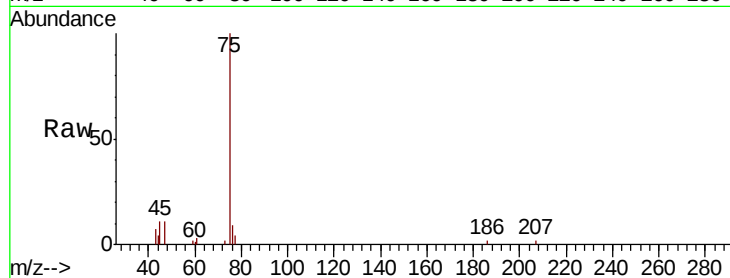
SB-12

Tot Ion: 43 Resp: 655

Ion Ratio Lower Upper

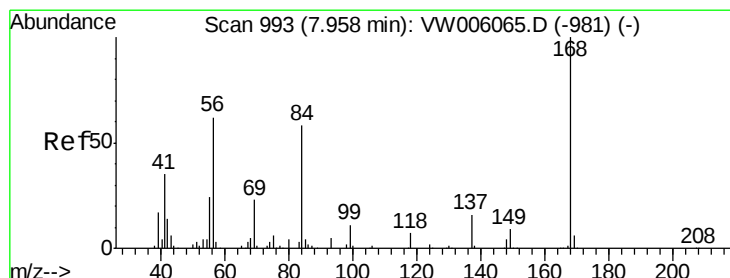
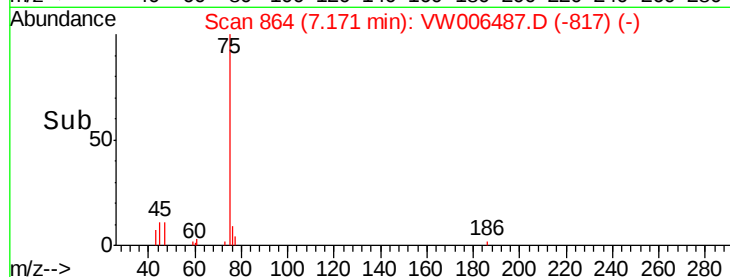
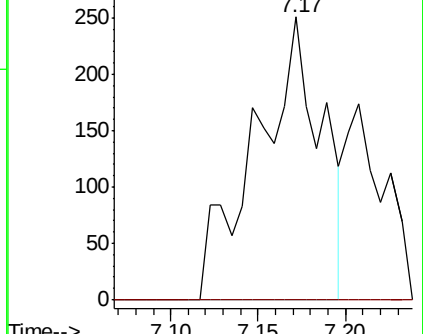
43 100

72 0.0 22.8 34.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#31

Cyclohexane

Concen: 1.093 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006487.D

Acq: 30 Oct 2018 07:28

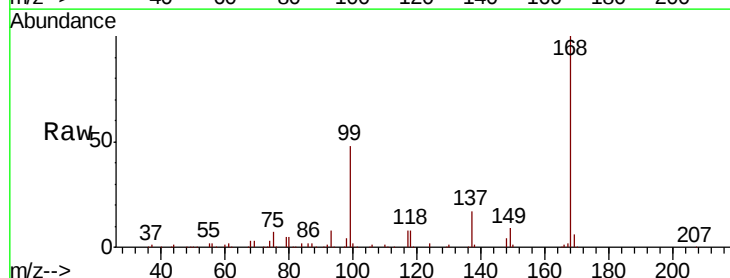
Tgt Ion: 56 Resp: 2827

Ion Ratio Lower Upper

56 100

69 166.7 29.4 44.0#

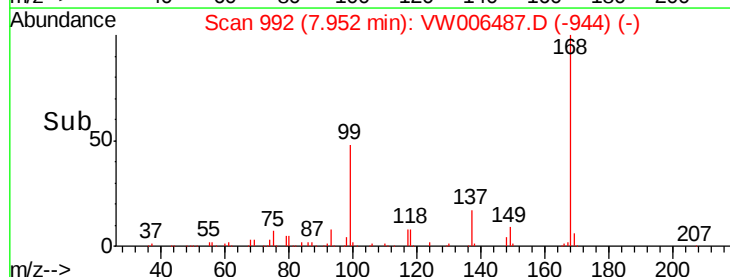
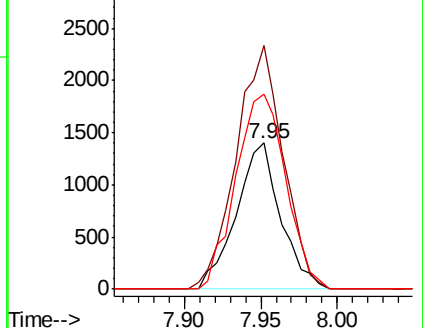
84 133.3 74.0 111.0#

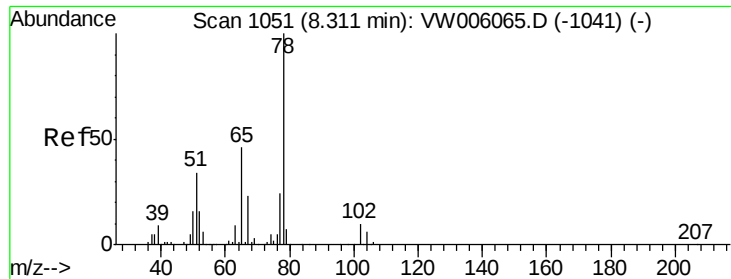


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

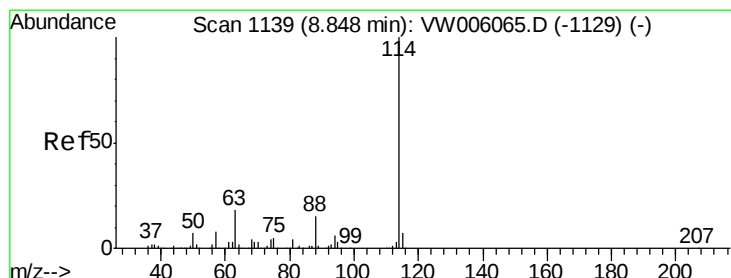
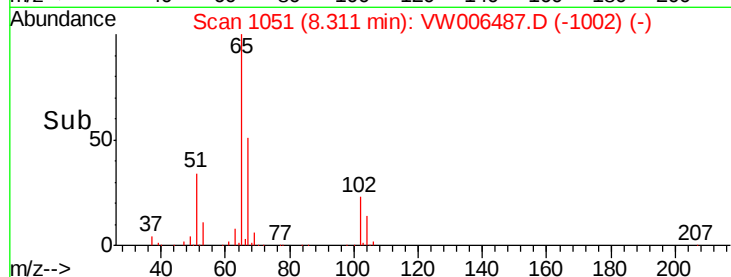
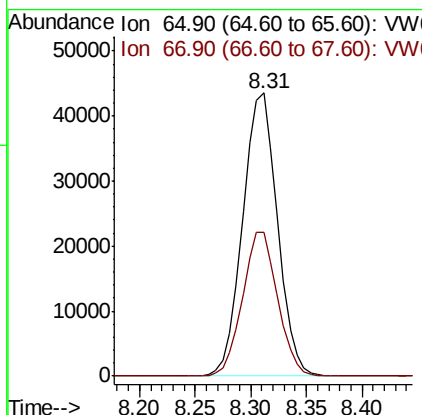
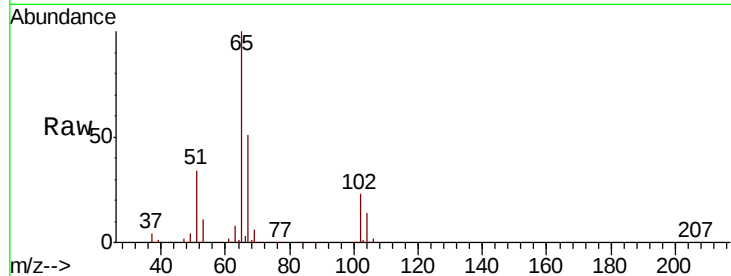




#33
 1,2-Dichloroethane-d4
 Concen: 67.038 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW006487.D
 Acq: 30 Oct 2018 07:28

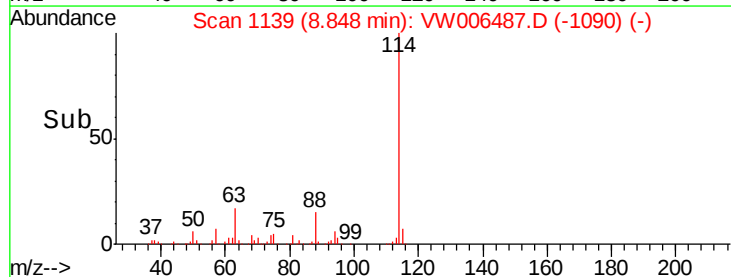
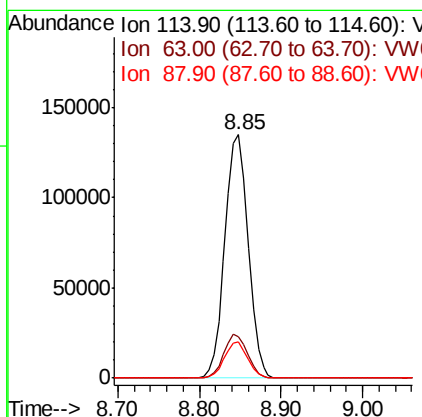
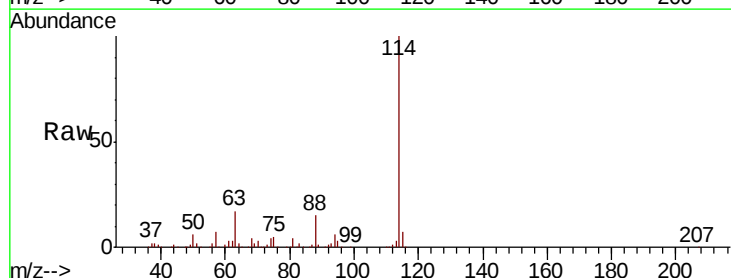
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-12

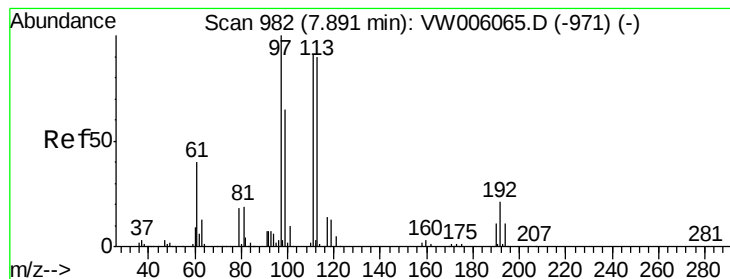
Tot Ion: 65 Resp: 94736
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006487.D
 Acq: 30 Oct 2018 07:28

Tgt Ion: 114 Resp: 266708
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 36.8
 88 14.9 0.0 29.0





#35

Dibromofluoromethane

Concen: 58.942 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006487.D

Acq: 30 Oct 2018 07:28

Instrument :

MSVOA_W

ClientSampled :

SB-12

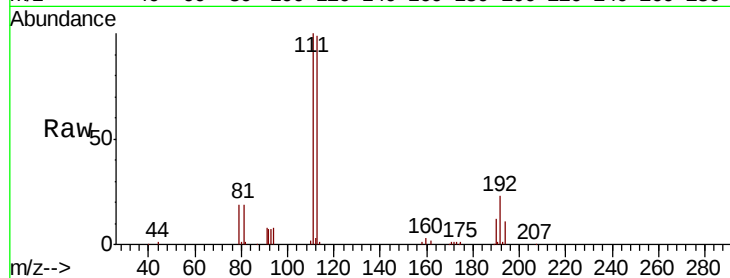
Tot Ion:113 Resp: 92890

Ion Ratio Lower Upper

113 100

111 101.7 81.4 122.0

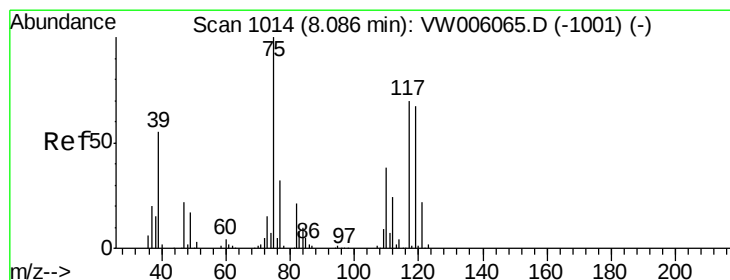
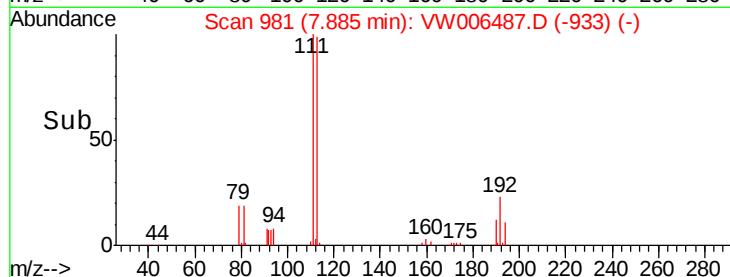
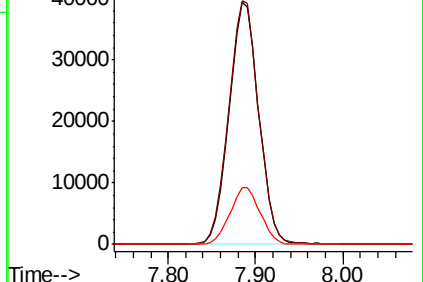
192 23.9 18.7 28.1



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: 4.404 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW006487.D

Acq: 30 Oct 2018 07:28

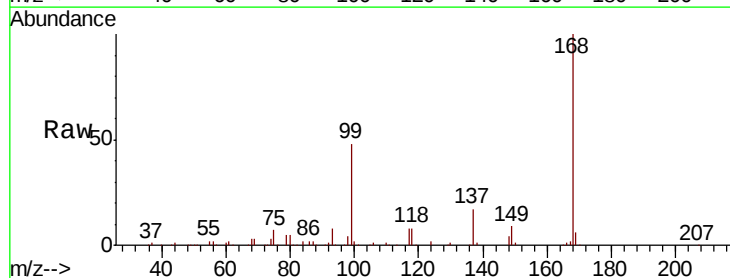
Tgt Ion: 75 Resp: 10826

Ion Ratio Lower Upper

75 100

110 8.6 19.1 57.1#

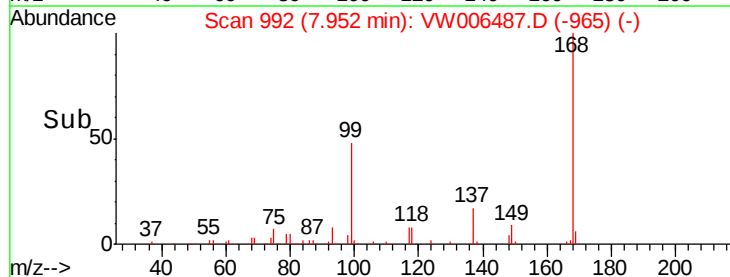
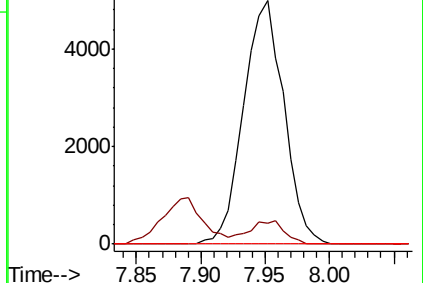
77 0.0 25.0 37.4#

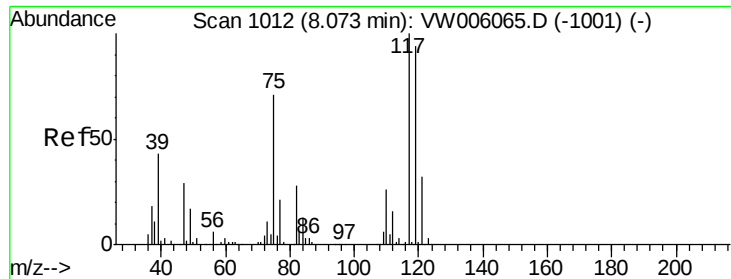


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

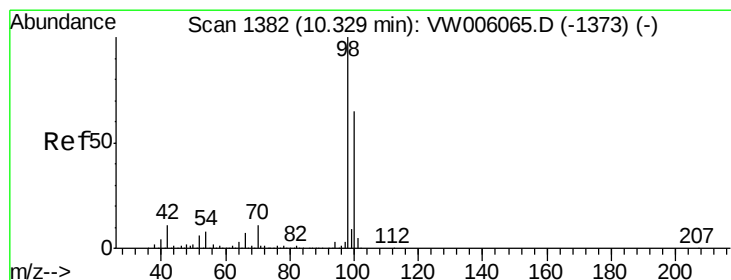
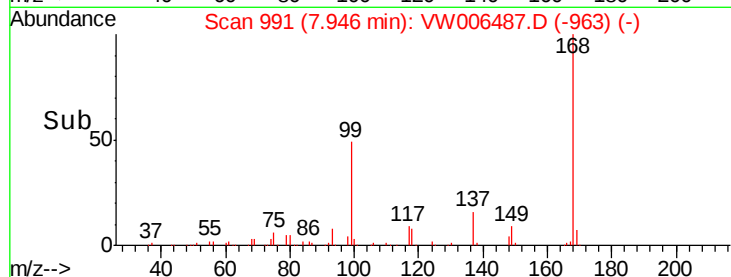
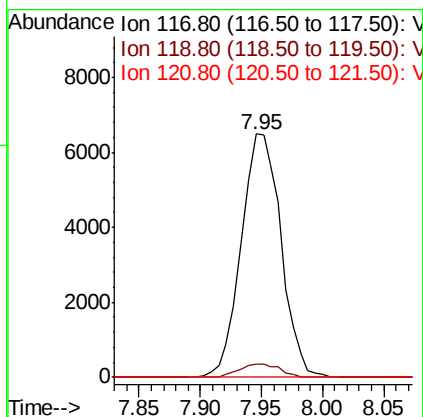
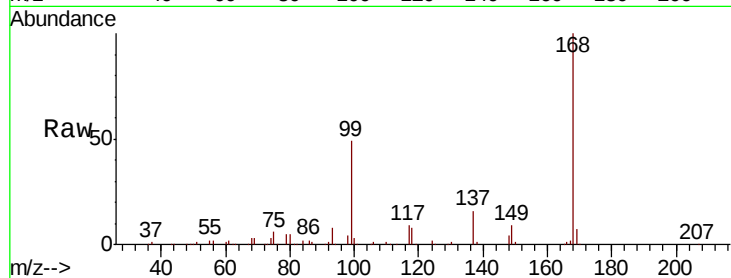




#38
Carbon Tetrachloride
Concen: 5.442 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.13 min
Lab File: VW006487.D
Acq: 30 Oct 2018 07:28

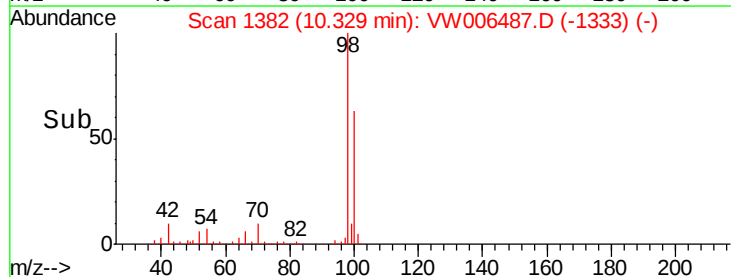
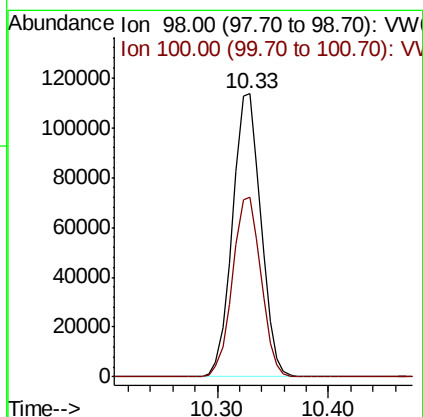
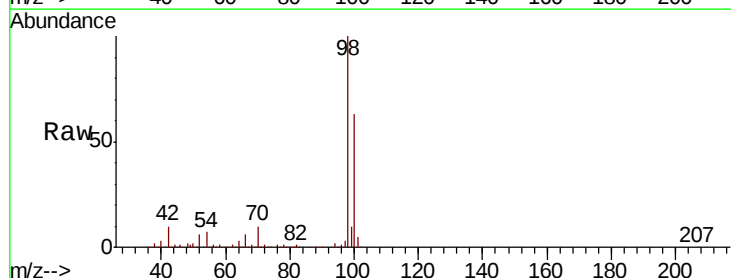
Instrument :
MSVOA_W
ClientSampled :
SB-12

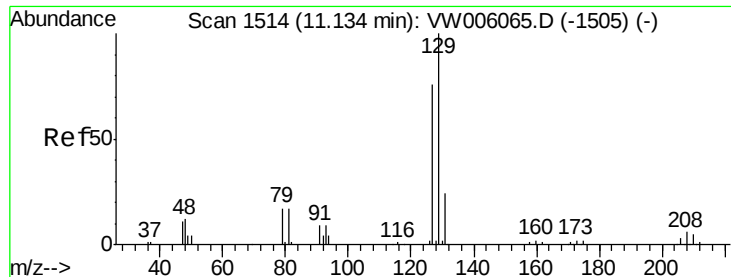
Tot Ion:117 Resp: 14667
Ion Ratio Lower Upper
117 100
119 5.4 75.2 112.8#
121 0.0 25.3 37.9#



#50
Toluene-d8
Concen: 33.514 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006487.D
Acq: 30 Oct 2018 07:28

Tgt Ion: 98 Resp: 200943
Ion Ratio Lower Upper
98 100
100 63.9 51.6 77.4

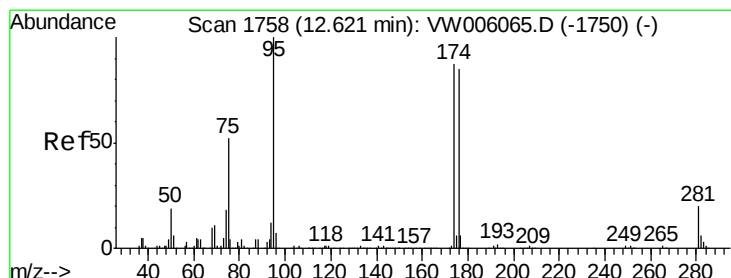
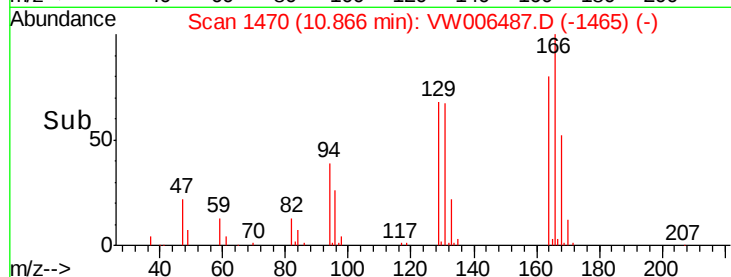
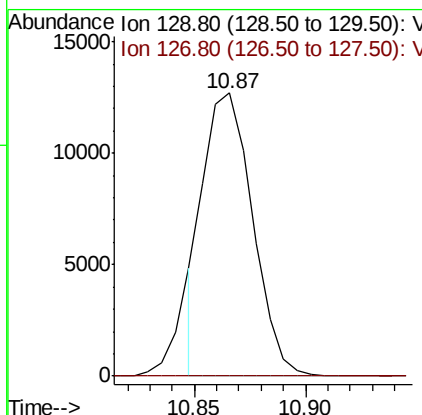
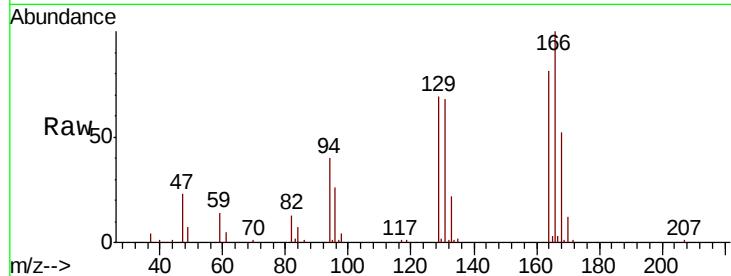




#60
 Dibromochloromethane
 Concen: 12.139 ug/l
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.27 min
 Lab File: VW006487.D
 Acq: 30 Oct 2018 07:28

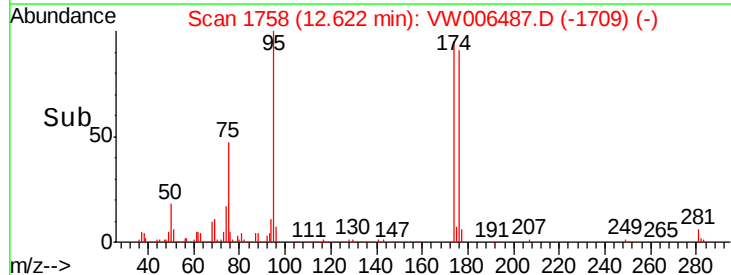
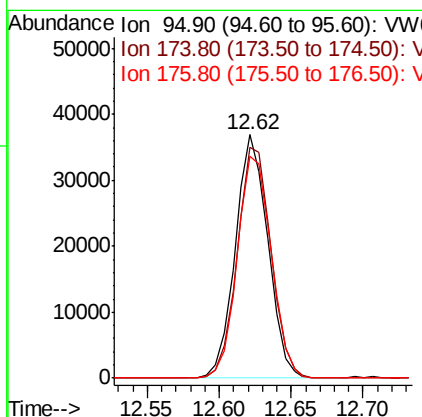
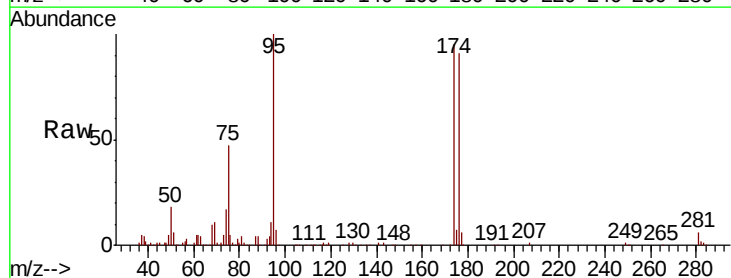
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-12

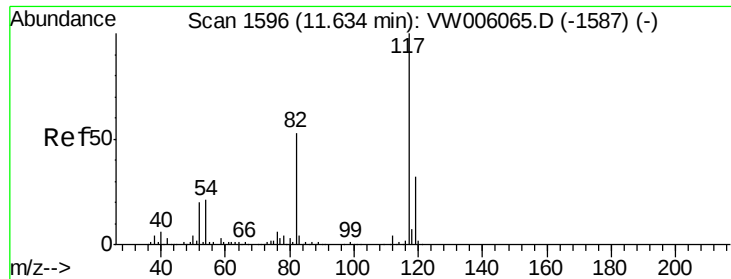
Tot Ion:129 Resp: 19460
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.6 115.7#



#62
 4-Bromofluorobenzene
 Concen: 25.768 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW006487.D
 Acq: 30 Oct 2018 07:28

Tgt Ion: 95 Resp: 58028
 Ion Ratio Lower Upper
 95 100
 174 98.3 0.0 186.0
 176 95.2 0.0 181.6

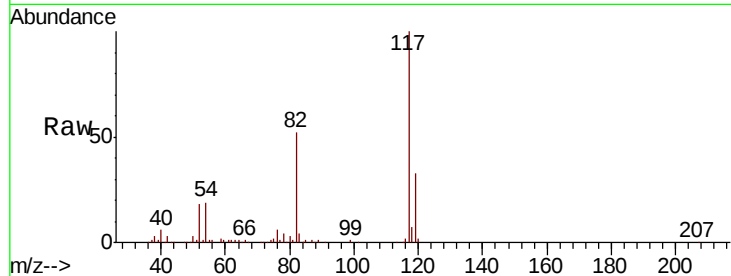




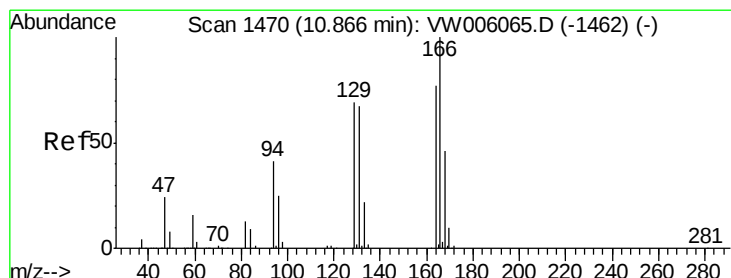
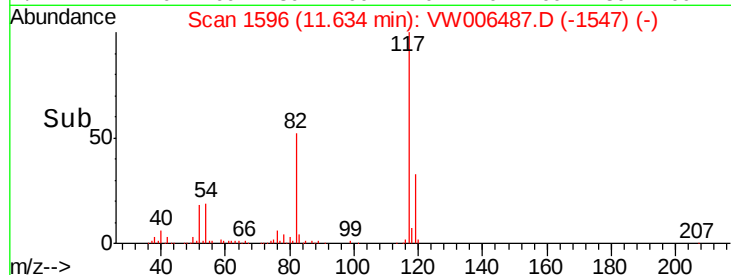
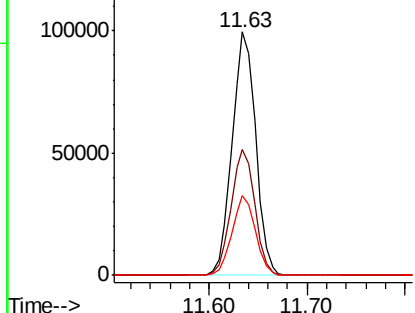
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006487.D
Acq: 30 Oct 2018 07:28

Instrument :
MSVOA_W
ClientSampleId :
SB-12

Tot Ion:117 Resp: 166374
Ion Ratio Lower Upper
117 100
82 51.8 42.1 63.1
119 32.8 25.8 38.6

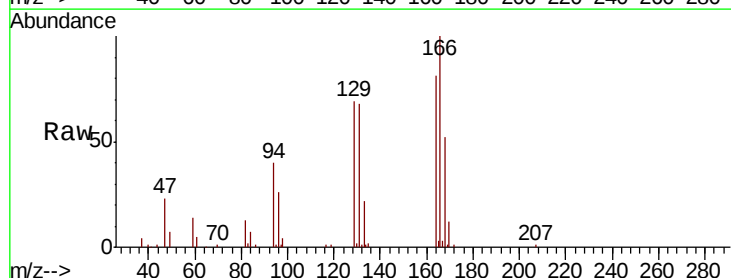


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

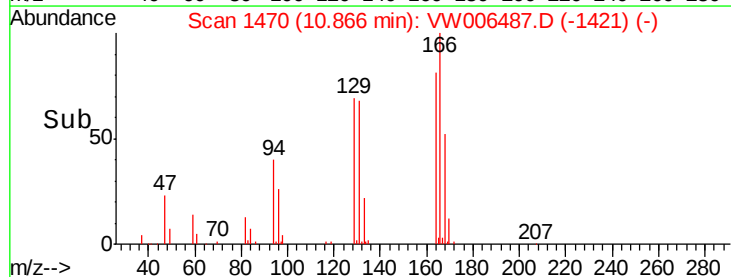
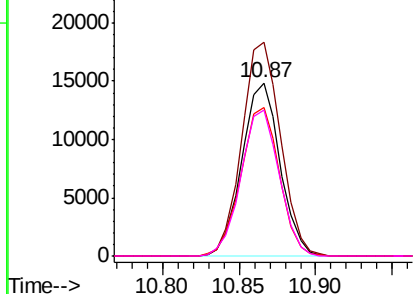


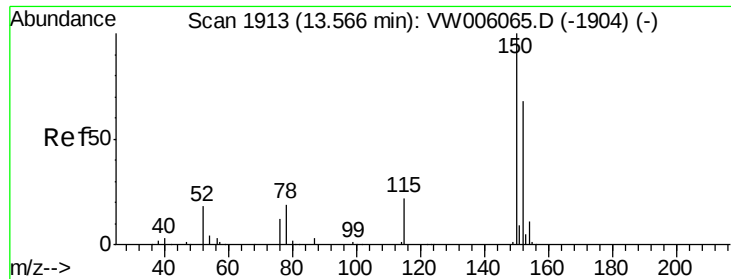
#64
Tetrachloroethene
Concen: 19.959 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006487.D
Acq: 30 Oct 2018 07:28

Tgt Ion:164 Resp: 25779
Ion Ratio Lower Upper
164 100
166 123.4 103.4 155.0
129 85.5 71.8 107.8
131 84.4 69.5 104.3



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



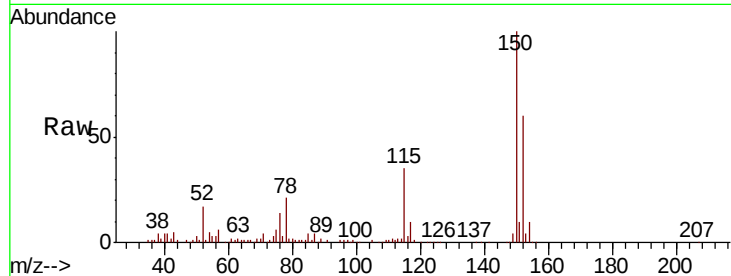


#72

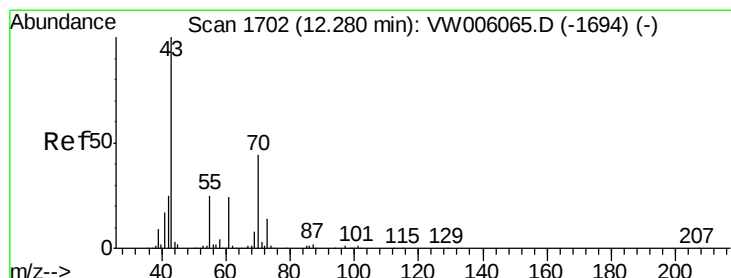
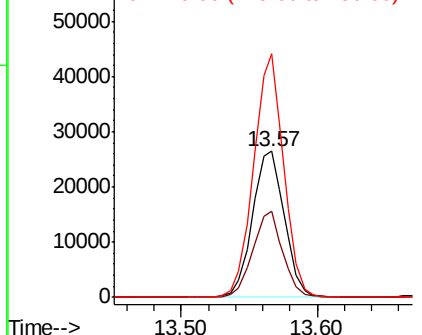
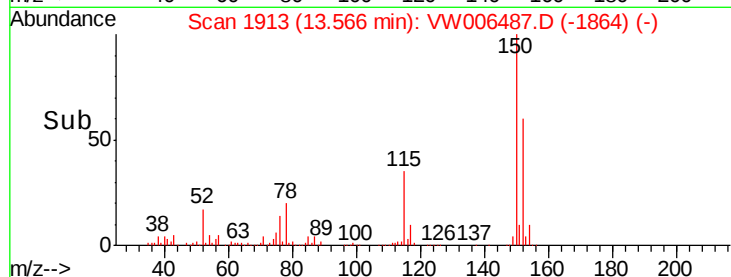
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006487.D
Acq: 30 Oct 2018 07:28

Instrument :
MSVOA_W
ClientSampled :
SB-12

Tot Ion:152 Resp: 43773
Ion Ratio Lower Upper
152 100
115 55.1 27.8 83.3
150 155.8 0.0 349.2



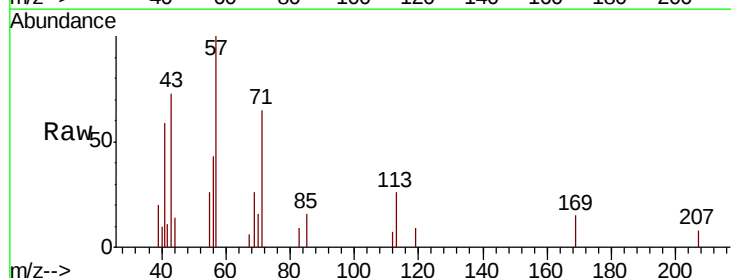
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



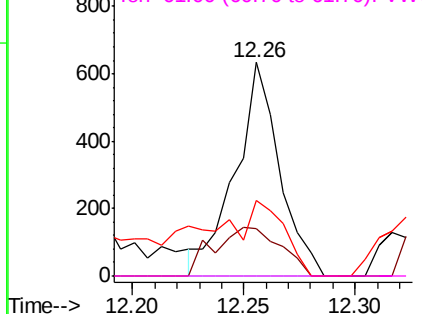
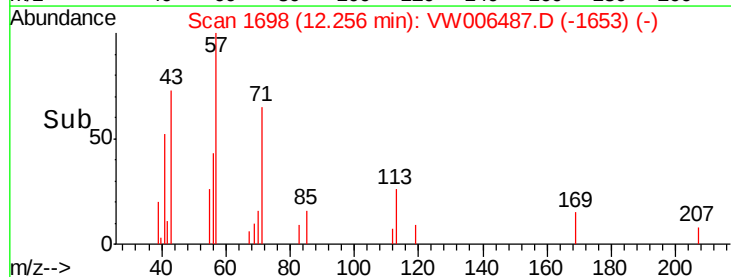
#74

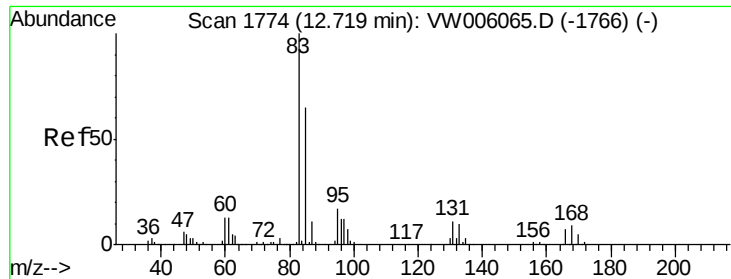
N-ethyl acetate
Concen: 1.460 ug/l
RT: 12.26 min Scan# 1698
Delta R.T. -0.02 min
Lab File: VW006487.D
Acq: 30 Oct 2018 07:28

Tgt Ion: 43 Resp: 877
Ion Ratio Lower Upper
43 100
70 34.2 34.2 51.4#
55 26.5 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: 1.803 ug/l

RT: 12.78 min Scan# 1784

Delta R.T. 0.06 min

Lab File: VW006487.D

Acq: 30 Oct 2018 07:28

Instrument :

MSVOA_W

ClientSampled :

SB-12

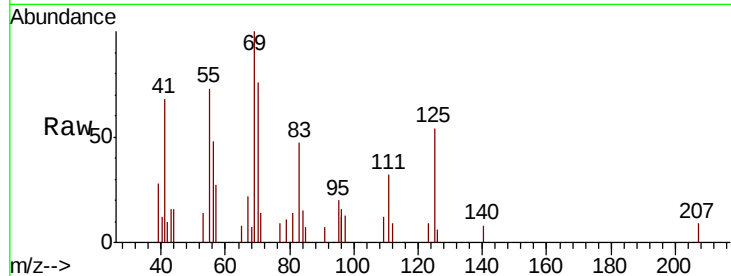
Tot Ion: 83 Resp: 848

Ion Ratio Lower Upper

83 100

131 0.0 5.9 17.7#

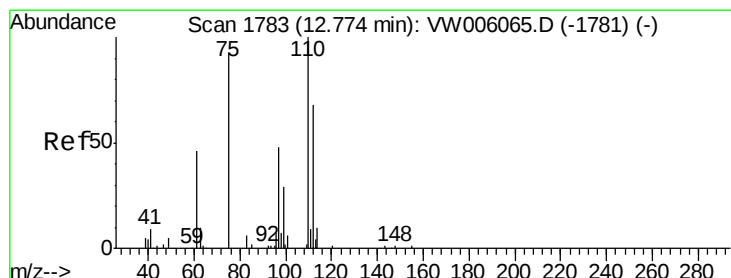
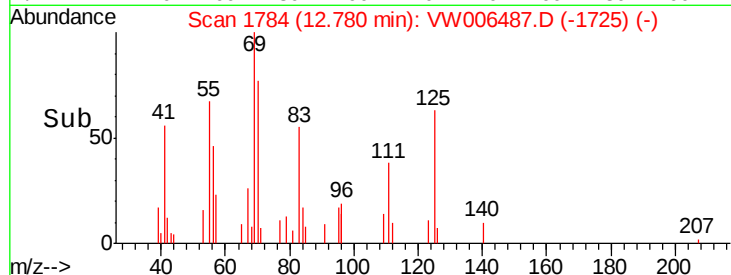
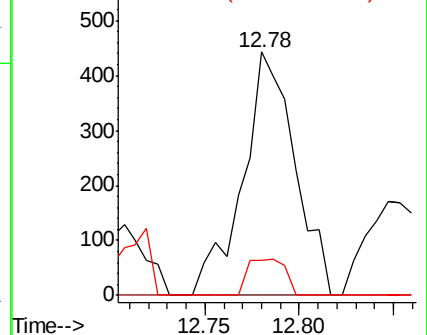
85 10.7 31.9 95.9#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 85.458 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006487.D

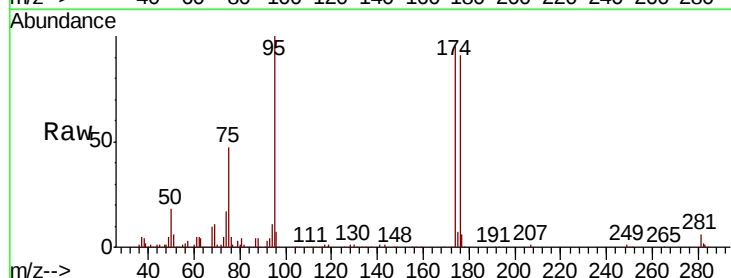
Acq: 30 Oct 2018 07:28

Tgt Ion: 75 Resp: 28572

Ion Ratio Lower Upper

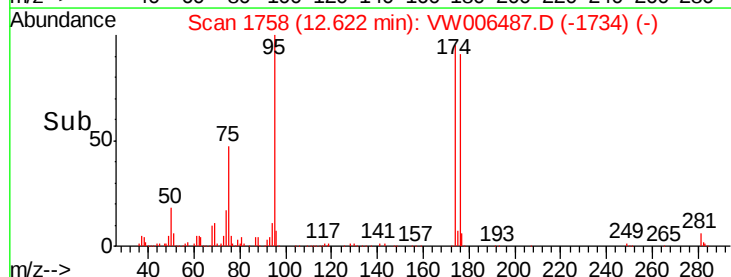
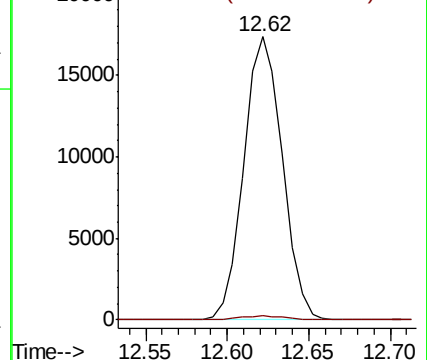
75 100

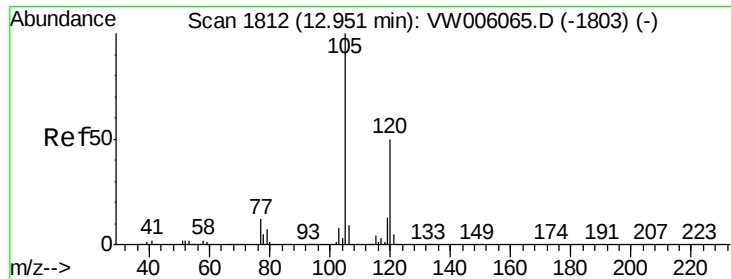
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#80

1,3,5-Trimethylbenzene

Concen: 1.127 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006487.D

Acq: 30 Oct 2018 07:28

Instrument :

MSVOA_W

ClientSampleId :

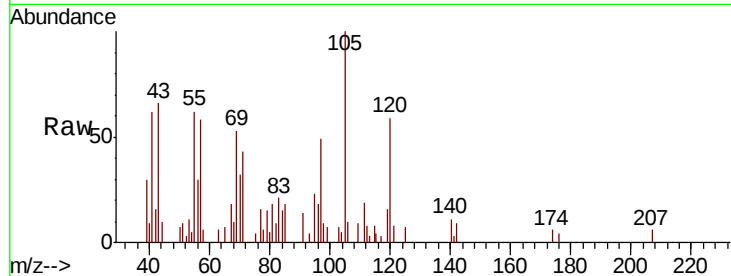
SB-12

Tot Ion:105 Resp: 2938

Ion Ratio Lower Upper

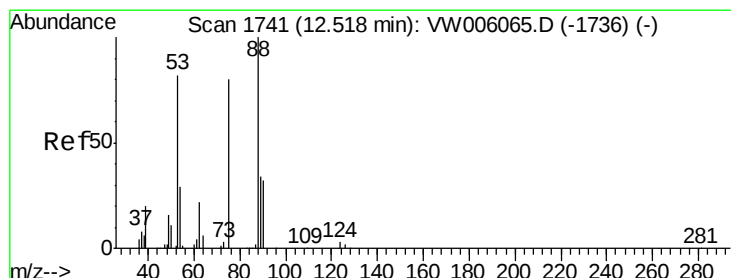
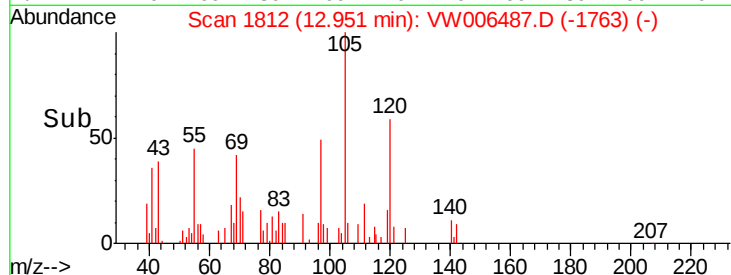
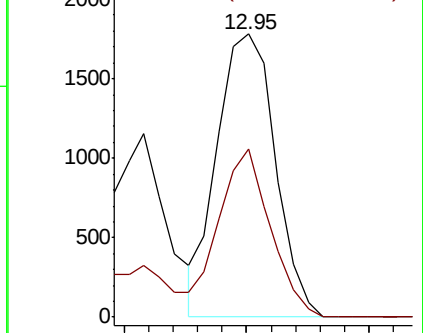
105 100

120 52.7 24.9 74.6



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: 204.279 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006487.D

Acq: 30 Oct 2018 07:28

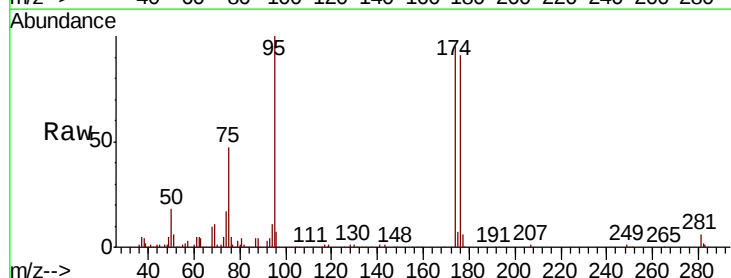
Tgt Ion: 75 Resp: 28572

Ion Ratio Lower Upper

75 100

53 0.3 79.8 119.6#

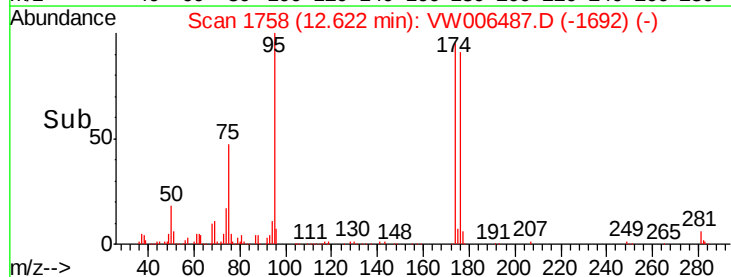
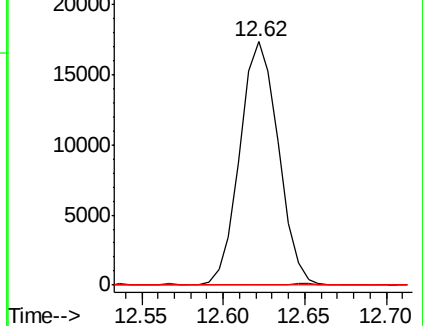
89 0.1 37.5 56.3#

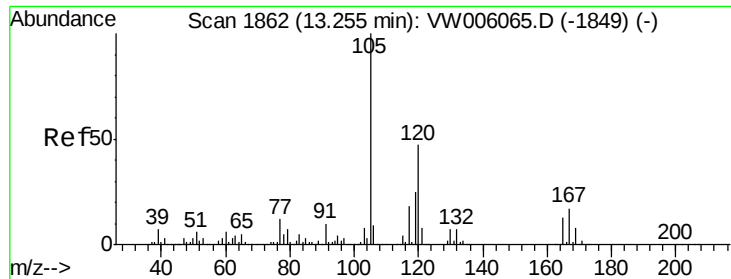


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

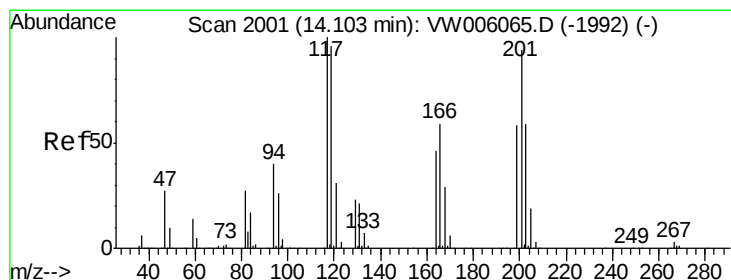
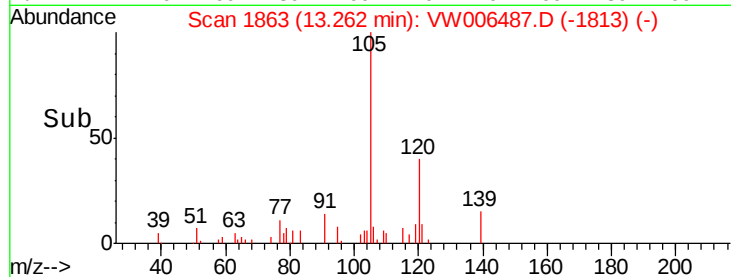
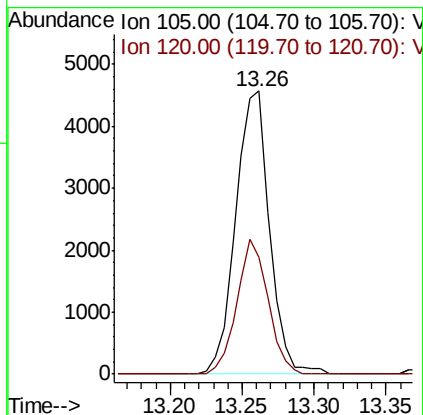
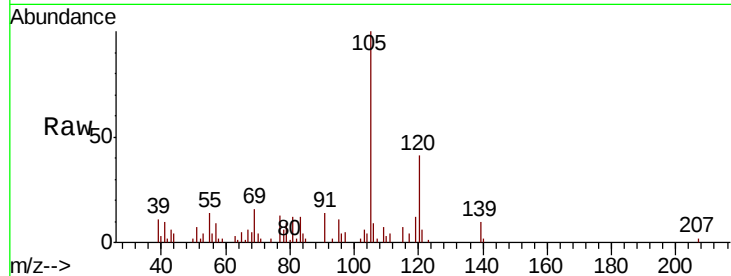




#84
 1,2,4-Trimethylbenzene
 Concen: 2.829 ug/l
 RT: 13.26 min Scan# 1863
 Delta R.T. 0.01 min
 Lab File: VW006487.D
 Acq: 30 Oct 2018 07:28

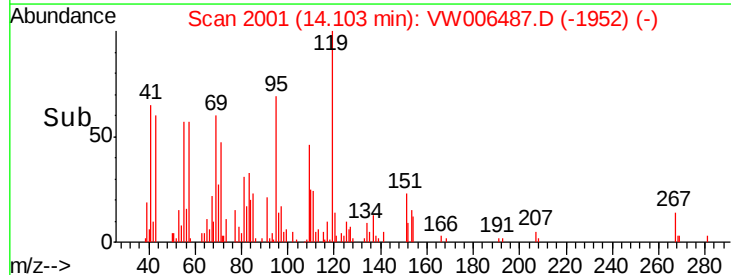
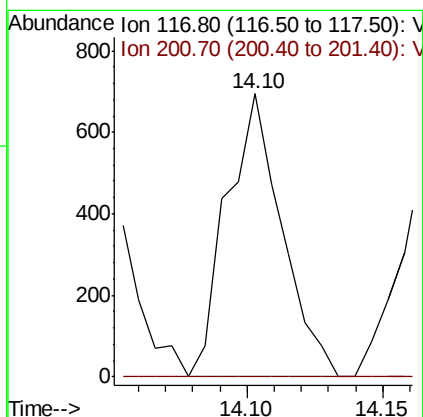
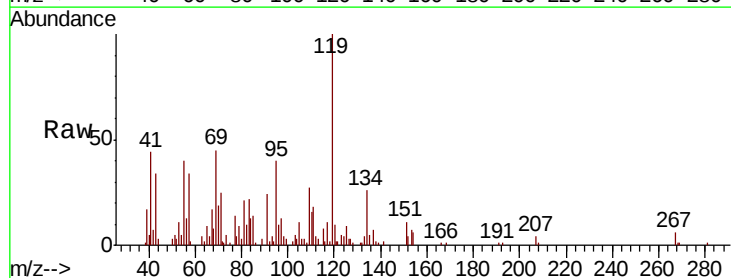
Instrument :
 MSVOA_W
 ClientSampled :
 SB-12

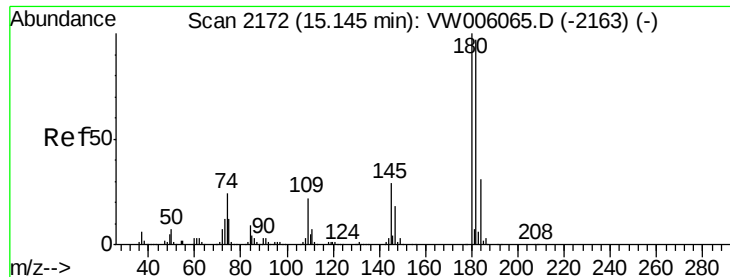
Tot Ion:105 Resp: 7464
 Ion Ratio Lower Upper
 105 100
 120 43.7 23.1 69.3



#90
 Hexachloroethane
 Concen: 1.933 ug/l
 RT: 14.10 min Scan# 2001
 Delta R.T. 0.00 min
 Lab File: VW006487.D
 Acq: 30 Oct 2018 07:28

Tgt Ion:117 Resp: 976
 Ion Ratio Lower Upper
 117 100
 201 0.0 45.3 135.9#

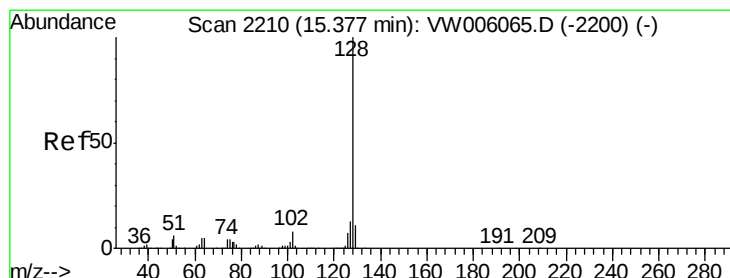
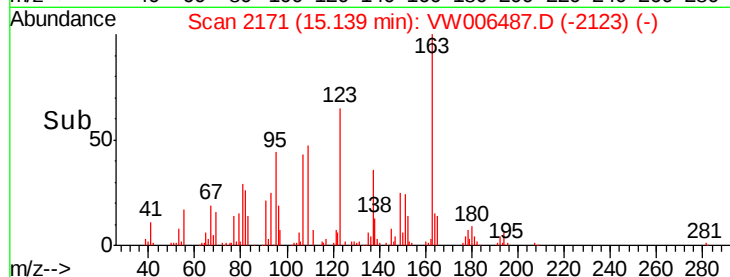
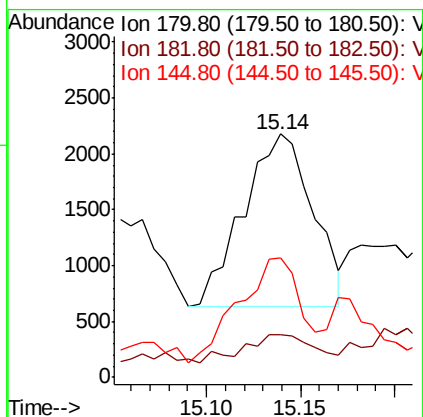
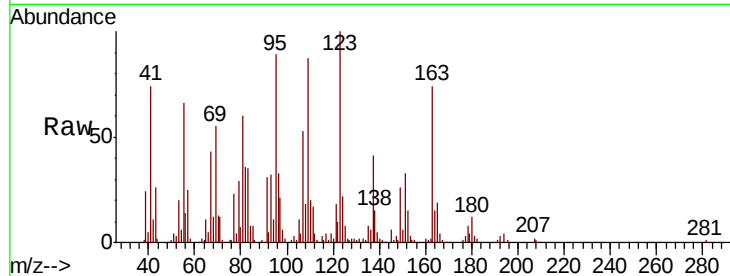




#93
 1,2,4-Trichlorobenzene
 Concen: 3.806 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006487.D
 Acq: 30 Oct 2018 07:28

Instrument :
 MSVOA_W
 ClientSampled :
 SB-12

Tot Ion:180 Resp: 3938
 Ion Ratio Lower Upper
 180 100
 182 18.7 47.9 143.6#
 145 63.0 14.2 42.8#



#95
 Naphthalene
 Concen: 1.386 ug/l
 RT: 15.38 min Scan# 2211
 Delta R.T. 0.01 min
 Lab File: VW006487.D
 Acq: 30 Oct 2018 07:28

Tgt Ion:128 Resp: 2385
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 10.4 8.7 13.1

