

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102218\
 Data File : VW006250.D
 Acq On : 22 Oct 2018 14:43
 Operator : VA/AP
 Sample : J5610-03
 Misc : 4.71G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-2(0-2)

Quant Time: Oct 22 15:41:01 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	114934	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	164992	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	131480	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	53360	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	32081	33.67	ug/l	0.00
Spiked Amount			Recovery	=	67.34%	
35) Dibromofluoromethane	7.89	113	29901	30.67	ug/l	0.00
Spiked Amount			Recovery	=	61.34%	
50) Toluene-d8	10.33	98	98092	26.45	ug/l	0.00
Spiked Amount			Recovery	=	52.90%	
62) 4-Bromofluorobenzene	12.62	95	34311	24.63	ug/l	0.00
Spiked Amount			Recovery	=	49.26%	

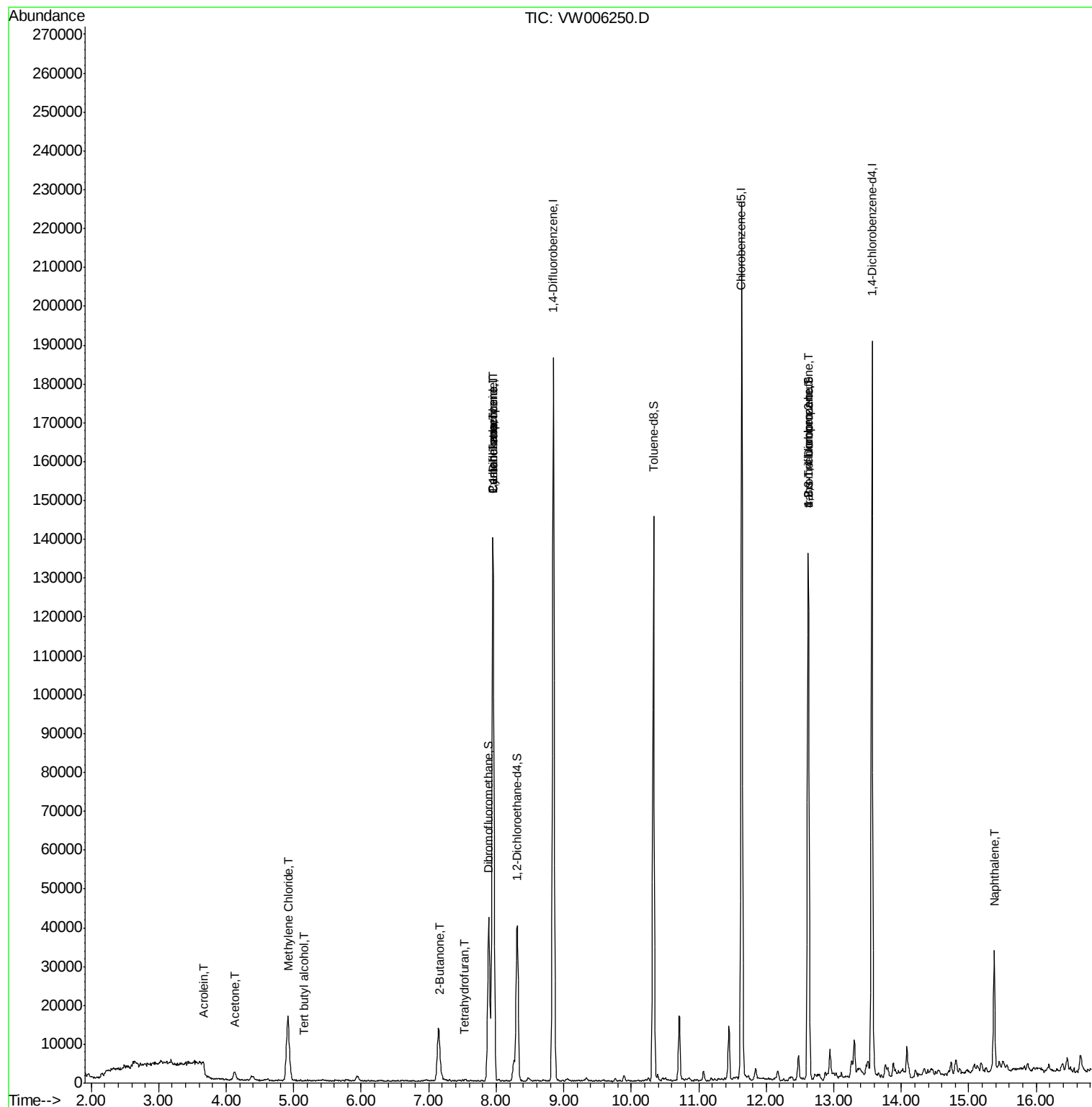
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	187	2.918	ug/l #	71
13) Acrolein	3.67	56	178	2.870	ug/l #	81
16) Acetone	4.13	43	4283	9.731	ug/l	93
20) Methylene Chloride	4.91	84	12651	11.287	ug/l	93
25) 2-Butanone	7.17	43	988	3.838	ug/l #	46
29) Tetrahydrofuran	7.54	42	180	1.138	ug/l #	49
31) Cyclohexane	7.95	56	2154	1.235	ug/l #	14
36) 1,1-Dichloropropene	7.95	75	7313	4.809	ug/l #	48
38) Carbon Tetrachloride	7.95	117	10222	6.131	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	17150	42.079	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	17150	100.586	ug/l #	10
95) Naphthalene	15.38	128	27183	12.957	ug/l	100

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

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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: VW006250.D

Acq: 22 Oct 2018 14:43

Instrument :

MSVOA_W

ClientSampleId :

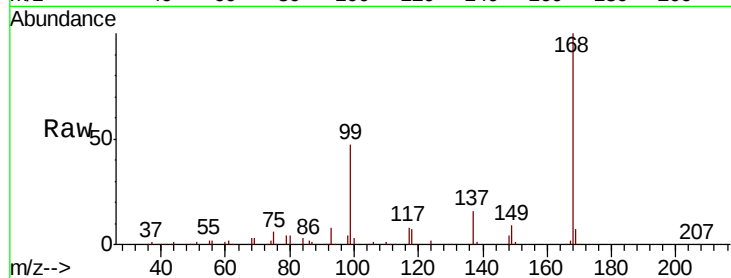
SB-2(0-2)

Tot Ion:168 Resp: 114934

Ion Ratio Lower Upper

168 100

99 47.3 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

50000

40000

30000

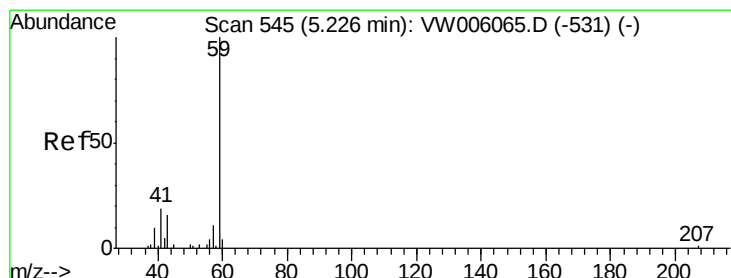
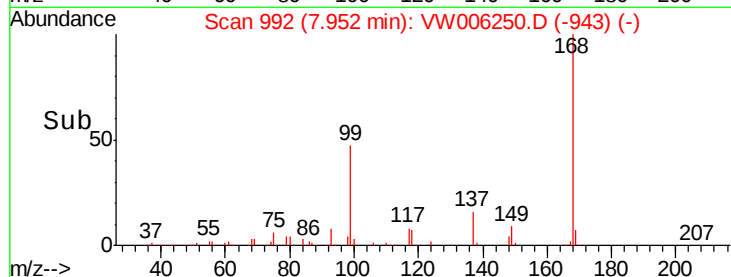
20000

10000

0

Time-->

7.90 8.00



#11

Tert butyl alcohol

Concen: 2.918 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.06 min

Lab File: VW006250.D

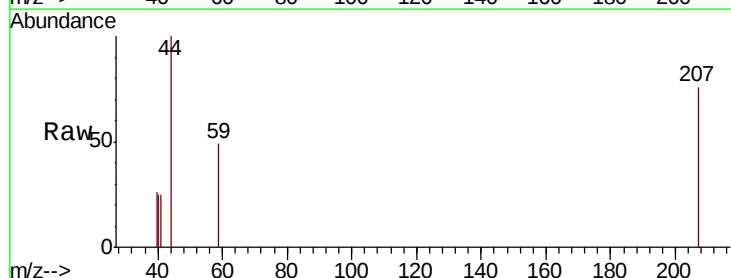
Acq: 22 Oct 2018 14:43

Tgt Ion: 59 Resp: 187

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

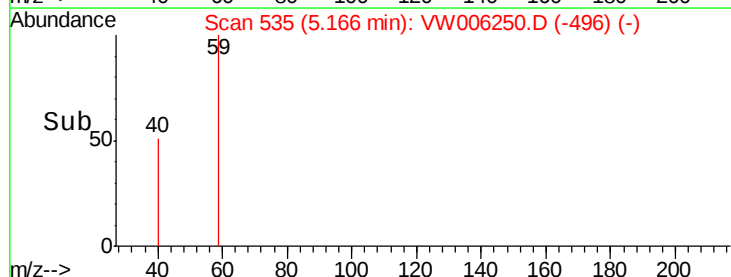
100

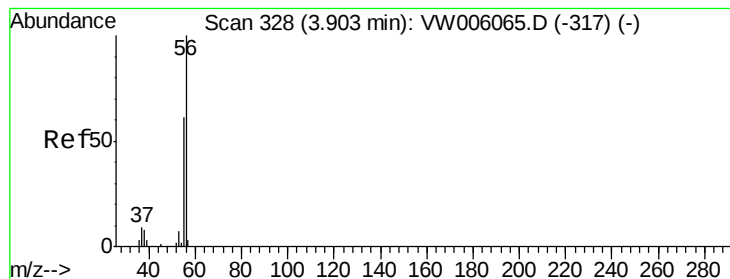
50

0

Time-->

5.14 5.16 5.18 5.20





#13

Acrolein

Concen: 2.870 ug/l

RT: 3.67 min Scan# 289

Delta R.T. -0.24 min

Lab File: VW006250.D

Acq: 22 Oct 2018 14:43

Instrument :

MSVOA_W

ClientSampled :

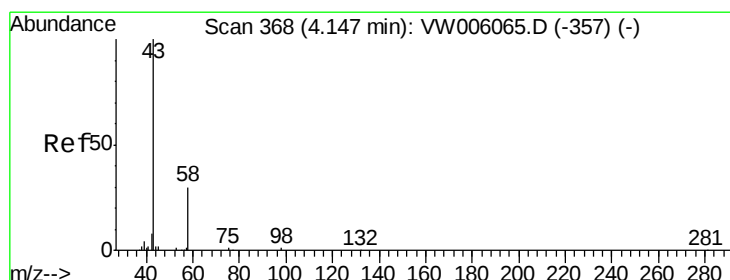
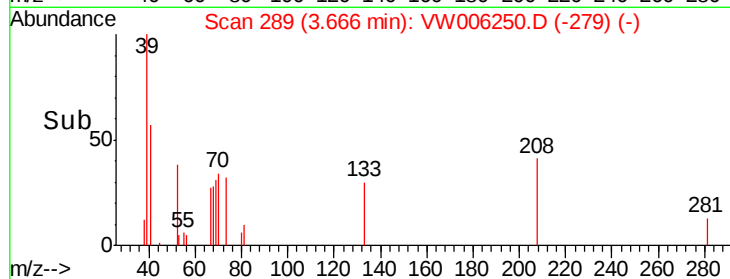
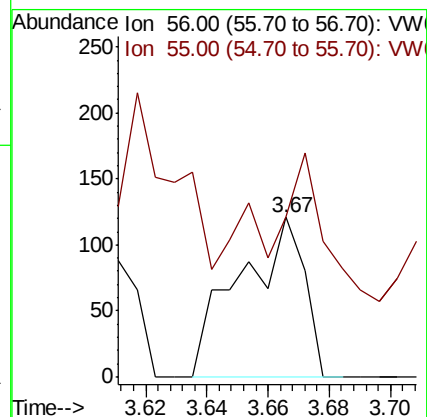
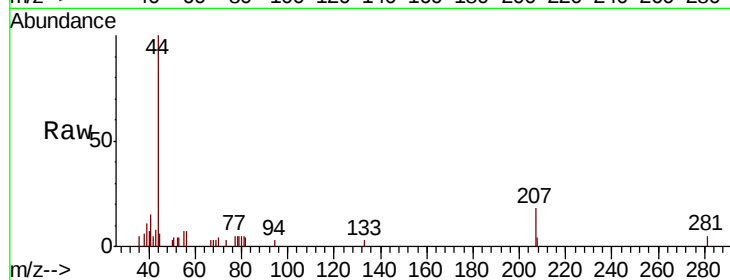
SB-2(0-2)

Tot Ion: 56 Resp: 178

Ion Ratio Lower Upper

56 100

55 52.8 54.5 81.7#



#16

Acetone

Concen: 9.731 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.02 min

Lab File: VW006250.D

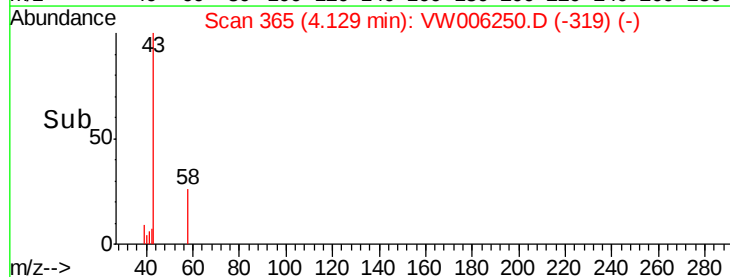
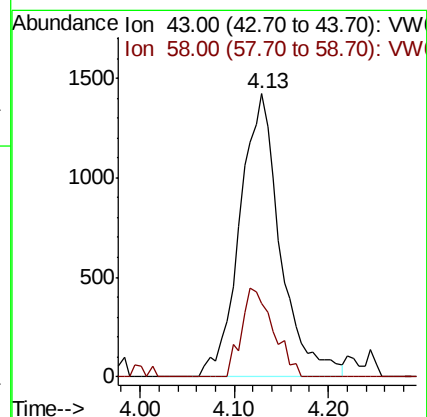
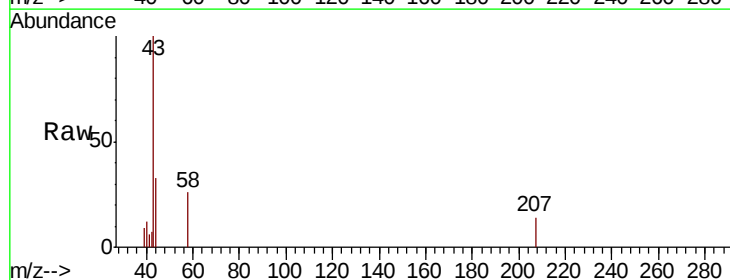
Acq: 22 Oct 2018 14:43

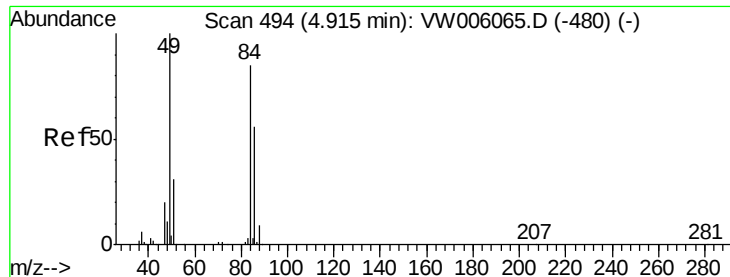
Tgt Ion: 43 Resp: 4283

Ion Ratio Lower Upper

43 100

58 25.9 24.0 36.0

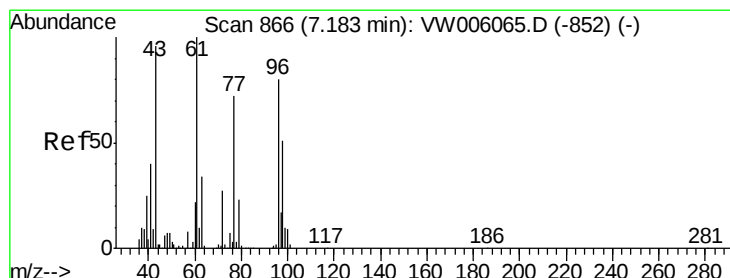
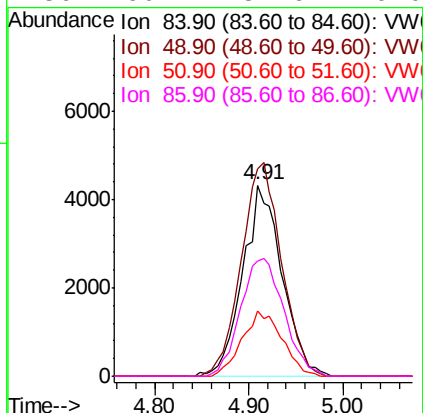
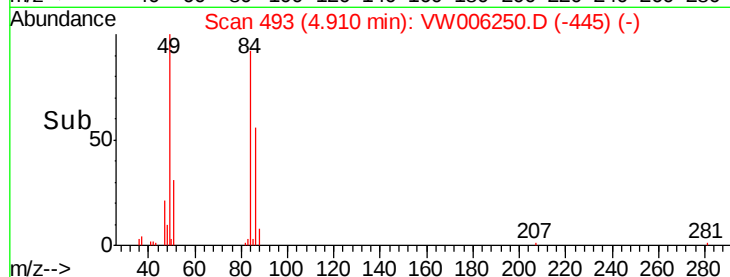
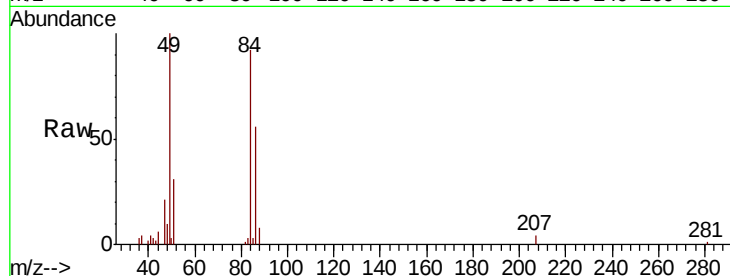




#20
Methvlene Chloride
Concen: 11.287 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006250.D
Acq: 22 Oct 2018 14:43

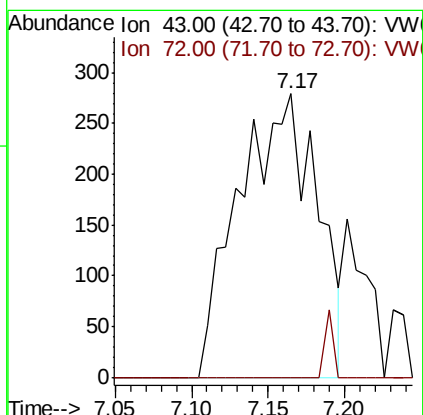
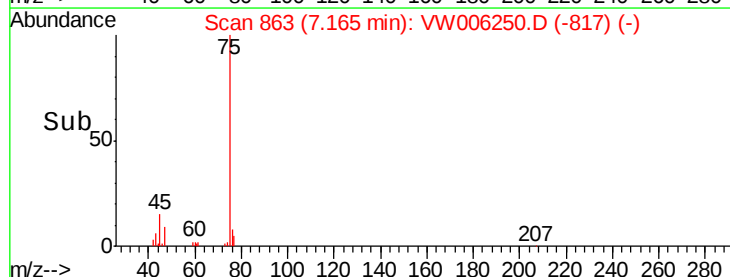
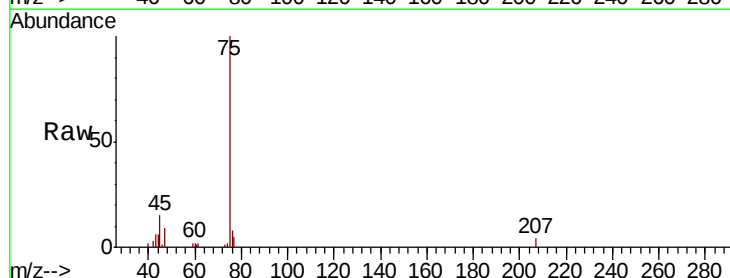
Instrument :
MSVOA_W
ClientSampleId :
SB-2(0-2)

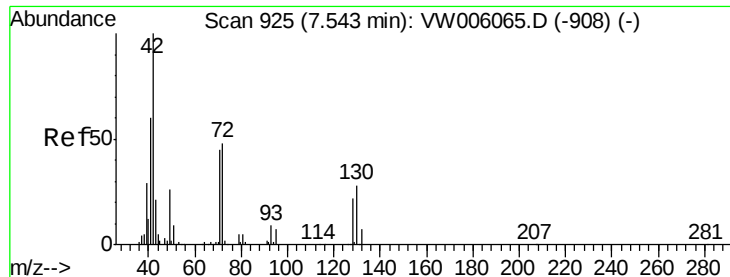
Tot Ion: 84 Resp: 12651
Ion Ratio Lower Upper
84 100
49 108.4 93.6 140.4
51 34.0 29.0 43.4
86 60.4 52.6 79.0



#25
2-Butanone
Concen: 3.838 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.02 min
Lab File: VW006250.D
Acq: 22 Oct 2018 14:43

Tgt Ion: 43 Resp: 988
Ion Ratio Lower Upper
43 100
72 0.0 22.8 34.2#





#29

Tetrahydrofuran

Concen: 1.138 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.01 min

Lab File: VW006250.D

Acq: 22 Oct 2018 14:43

Instrument :

MSVOA_W

ClientSampleId :

SB-2(0-2)

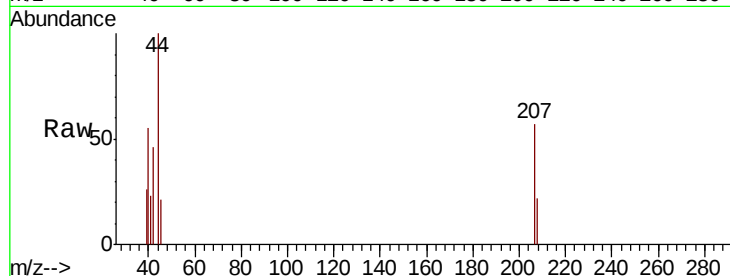
Tot Ion: 42 Resp: 180

Ion Ratio Lower Upper

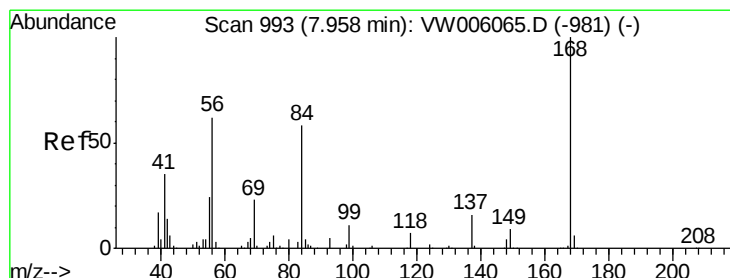
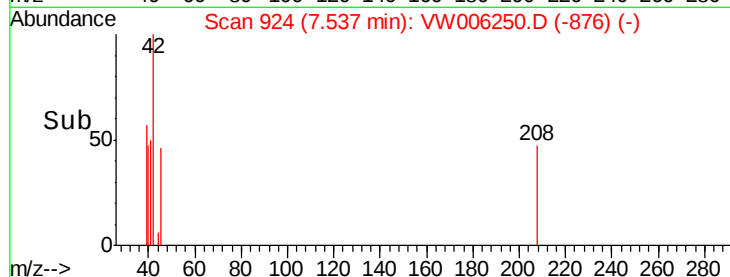
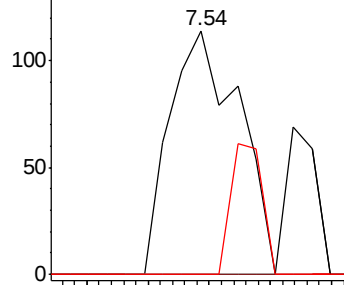
42 100

72 0.0 38.0 57.0#

71 24.4 35.3 52.9#



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.235 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006250.D

Acq: 22 Oct 2018 14:43

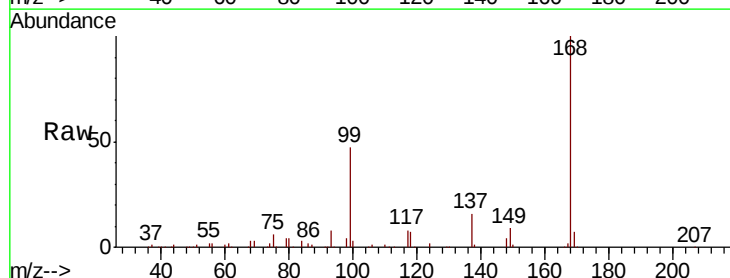
Tgt Ion: 56 Resp: 2154

Ion Ratio Lower Upper

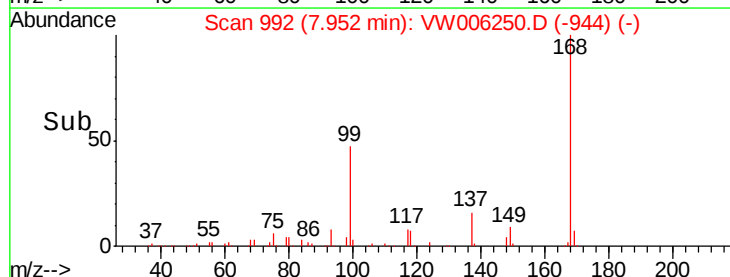
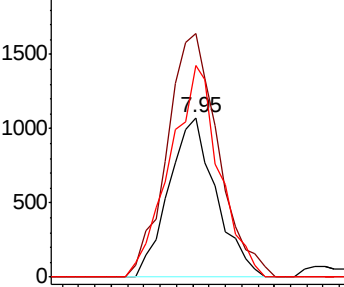
56 100

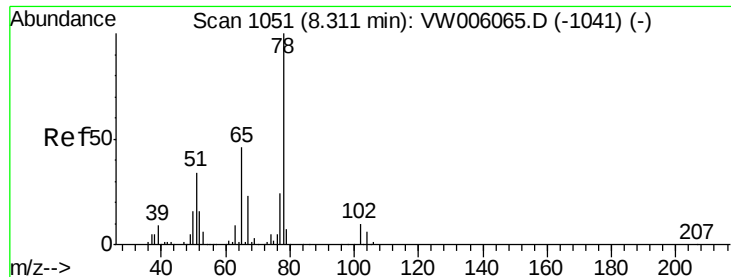
69 153.0 29.4 44.0#

84 132.6 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

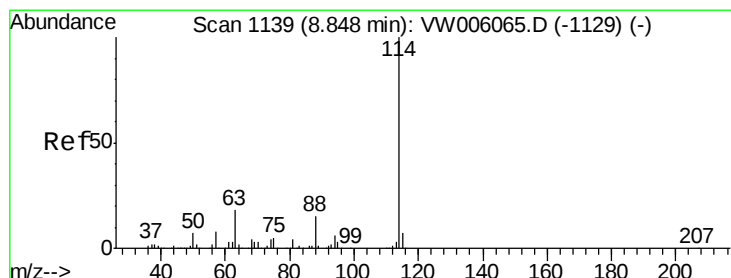
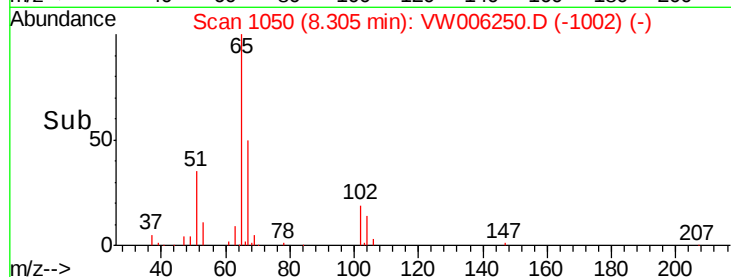
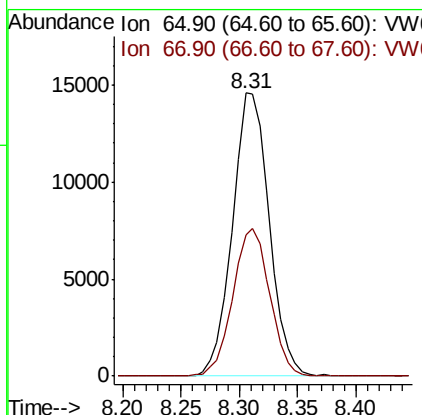
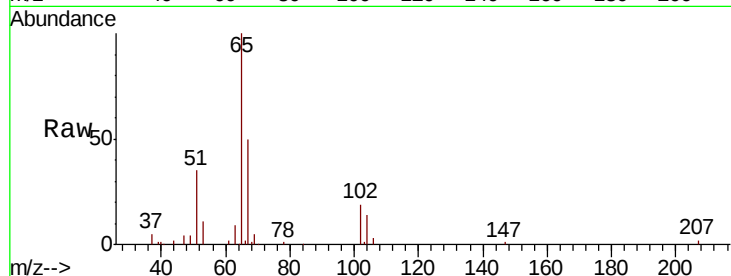




#33
 1,2-Dichloroethane-d4
 Concen: 33.668 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW006250.D
 Acq: 22 Oct 2018 14:43

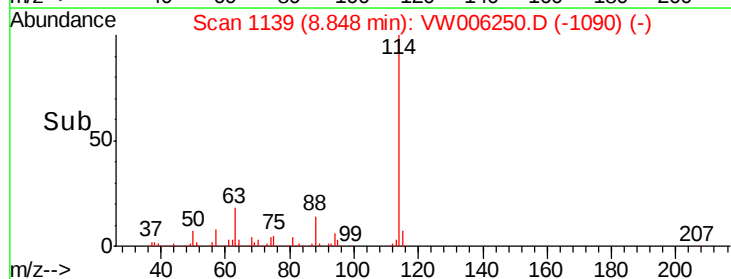
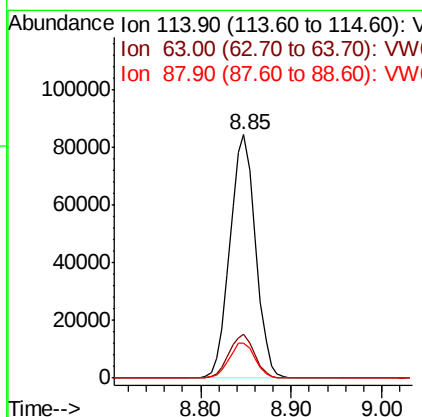
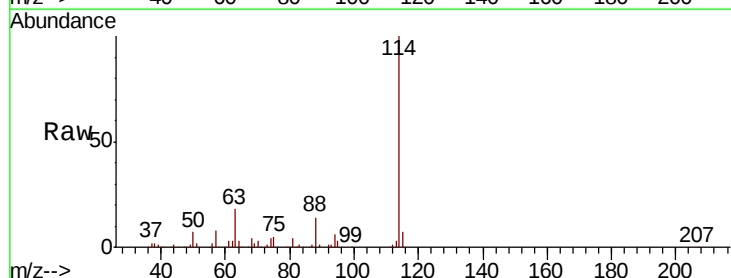
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-2(0-2)

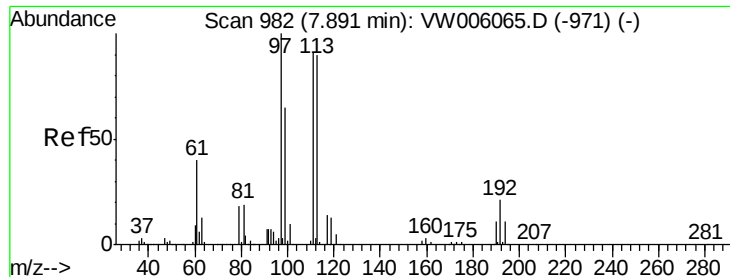
Tot Ion: 65 Resp: 32081
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006250.D
 Acq: 22 Oct 2018 14:43

Tgt Ion: 114 Resp: 164992
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 36.8
 88 14.5 0.0 29.0

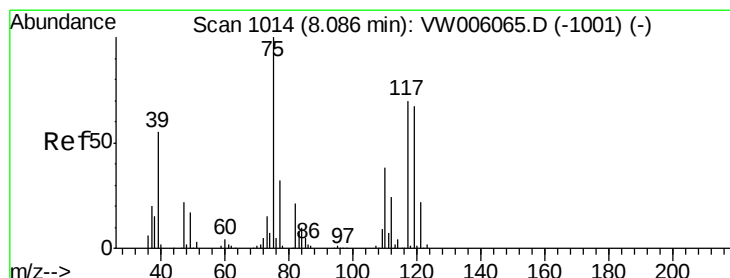
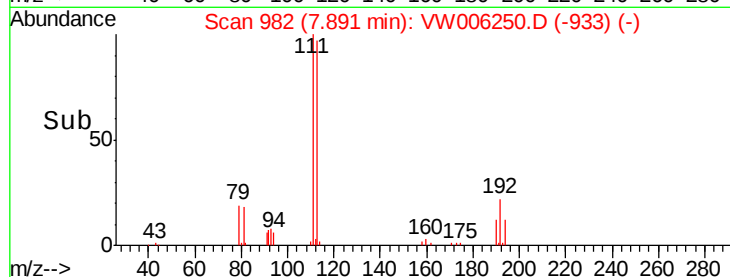
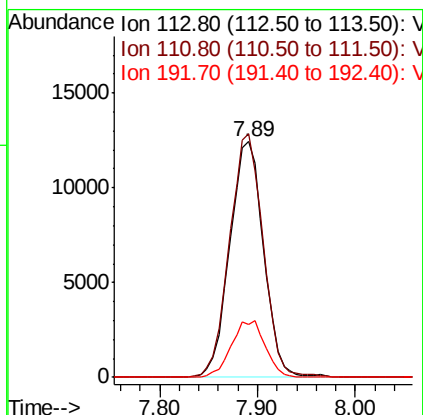
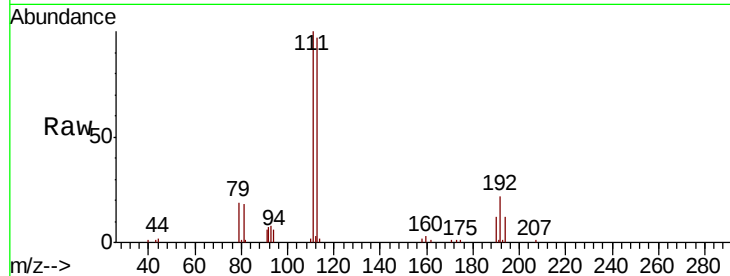




#35
 Dibromofluoromethane
 Concen: 30.670 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW006250.D
 Acq: 22 Oct 2018 14:43

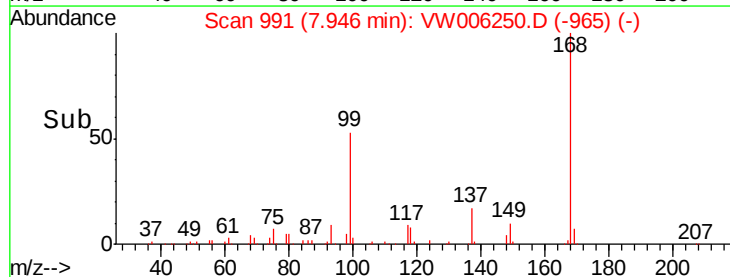
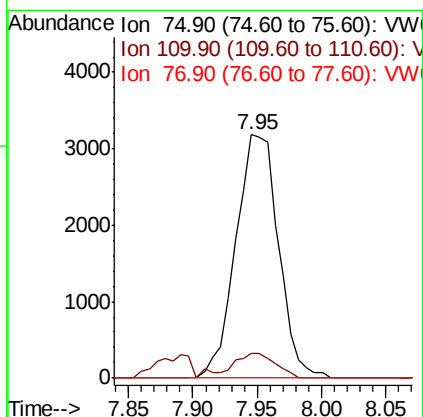
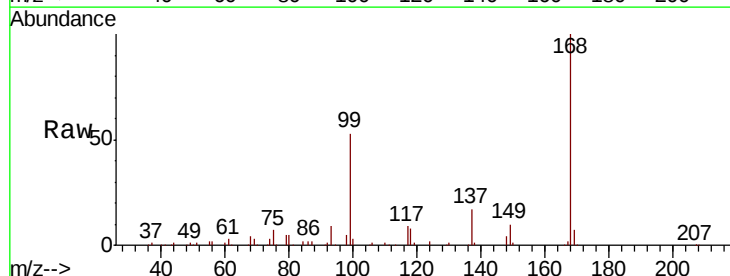
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-2(0-2)

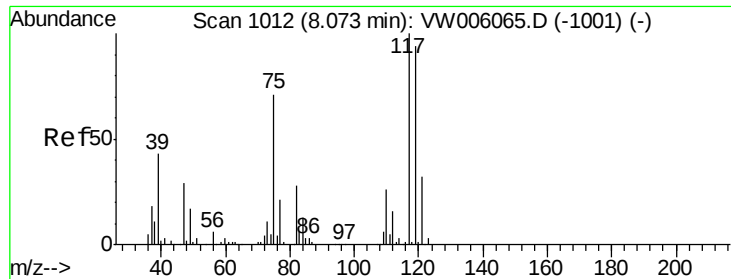
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.4	122.0
192	24.0	18.7	28.1



#36
 1,1-Dichloropropene
 Concen: 4.809 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW006250.D
 Acq: 22 Oct 2018 14:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	19.1	57.1#
77	0.0	25.0	37.4#

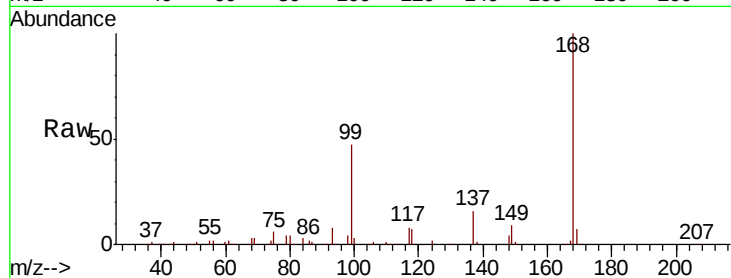




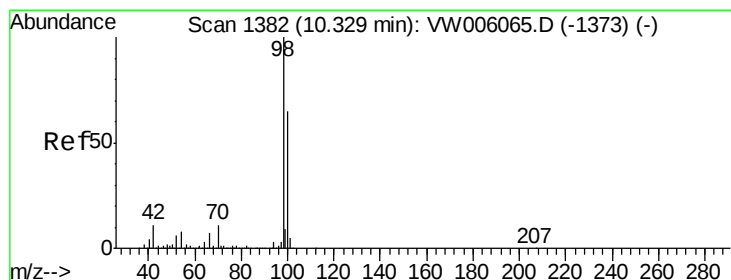
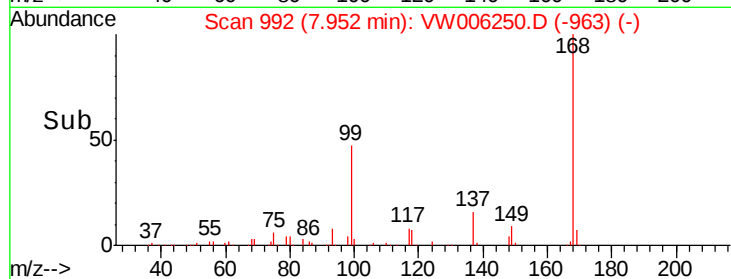
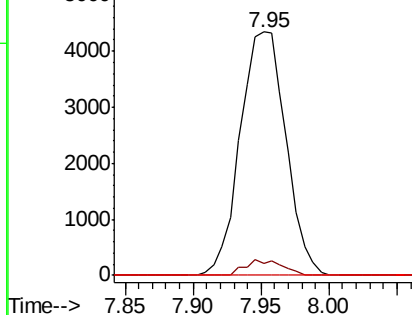
#38
Carbon Tetrachloride
Concen: 6.131 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW006250.D
Acq: 22 Oct 2018 14:43

Instrument :
MSVOA_W
ClientSampleId :
SB-2(0-2)

Tot Ion:117 Resp: 10222
Ion Ratio Lower Upper
117 100
119 5.1 75.2 112.8#
121 0.0 25.3 37.9#

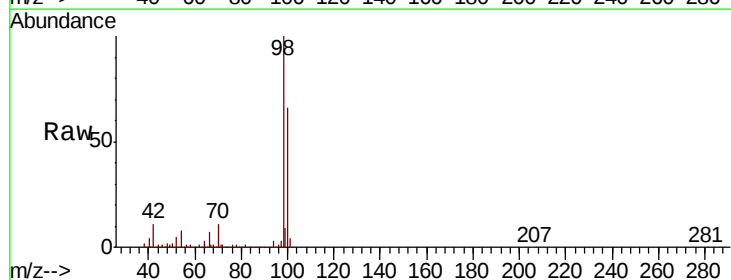


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

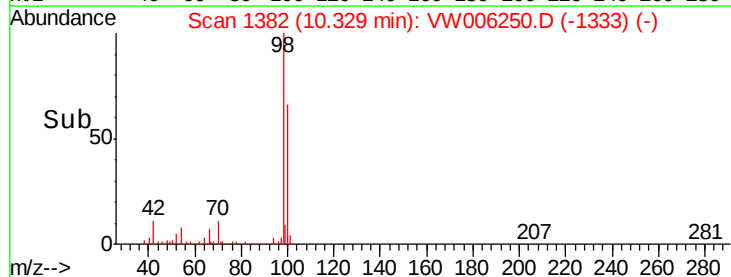
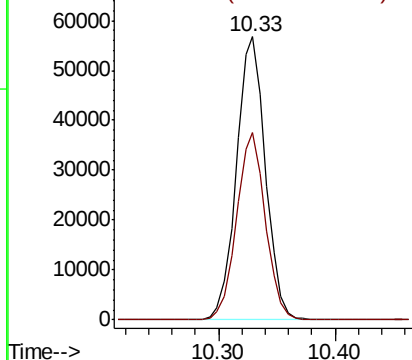


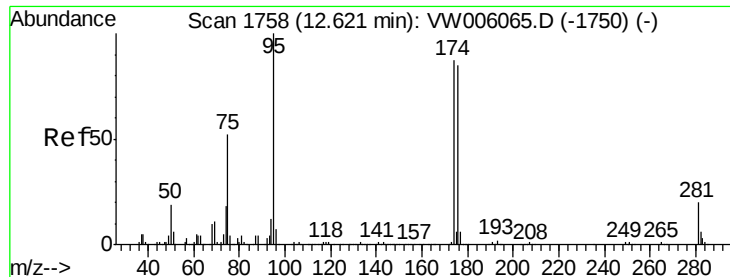
#50
Toluene-d8
Concen: 26.446 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006250.D
Acq: 22 Oct 2018 14:43

Tgt Ion: 98 Resp: 98092
Ion Ratio Lower Upper
98 100
100 65.6 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

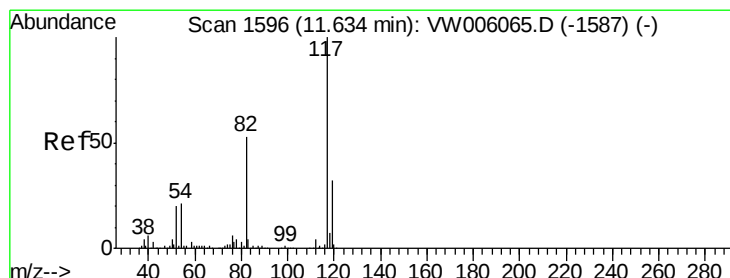
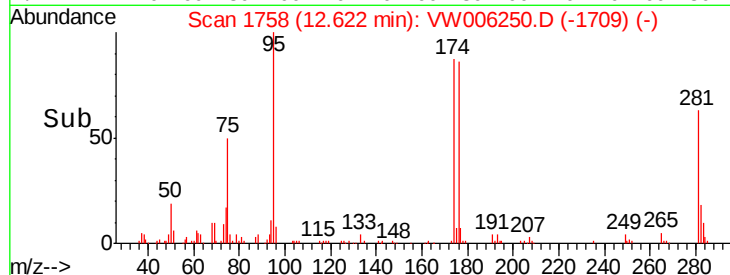
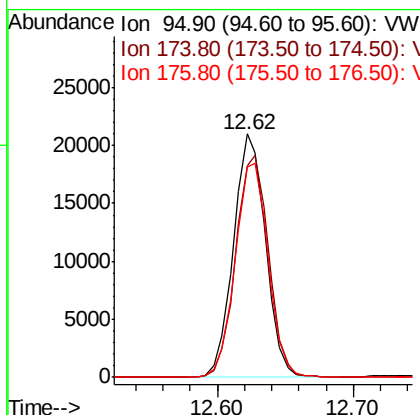
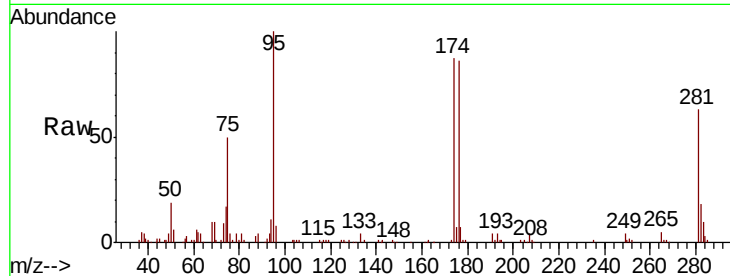




#62
4-Bromofluorobenzene
Concen: 24.629 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW006250.D
Acq: 22 Oct 2018 14:43

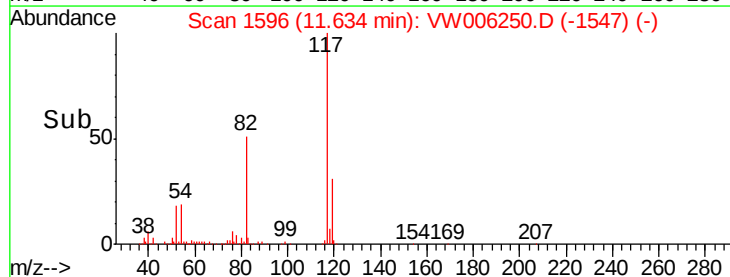
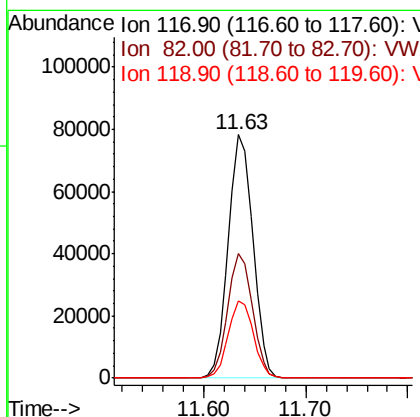
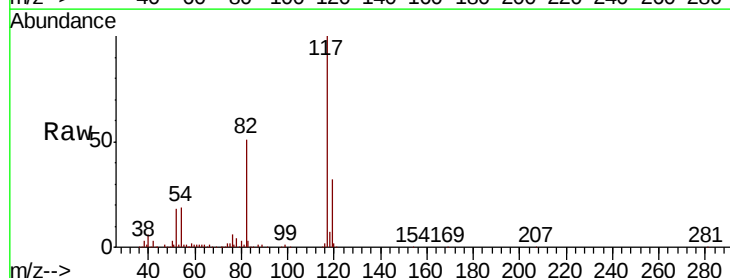
Instrument :
MSVOA_W
ClientSampled :
SB-2(0-2)

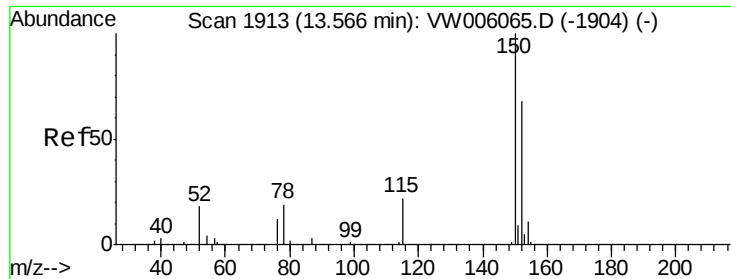
Tot Ion: 95 Resp: 34311
Ion Ratio Lower Upper
95 100
174 94.1 0.0 186.0
176 90.8 0.0 181.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006250.D
Acq: 22 Oct 2018 14:43

Tgt Ion: 117 Resp: 131480
Ion Ratio Lower Upper
117 100
82 51.0 42.1 63.1
119 31.5 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006250.D

Acq: 22 Oct 2018 14:43

Instrument :

MSVOA_W

ClientSampleId :

SB-2(0-2)

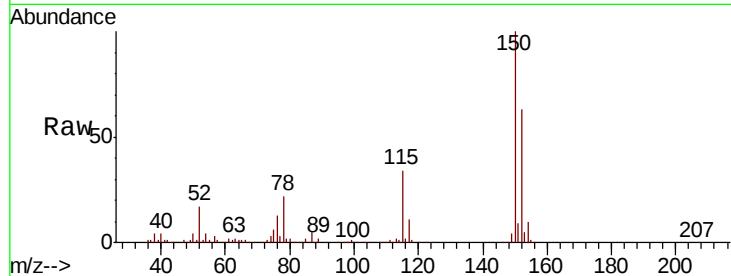
Tot Ion:152 Resp: 53360

Ion Ratio Lower Upper

152 100

115 54.3 27.8 83.3

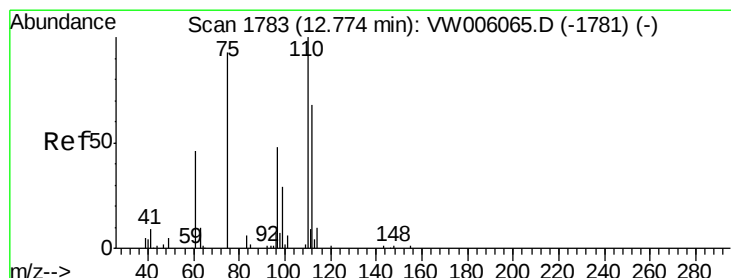
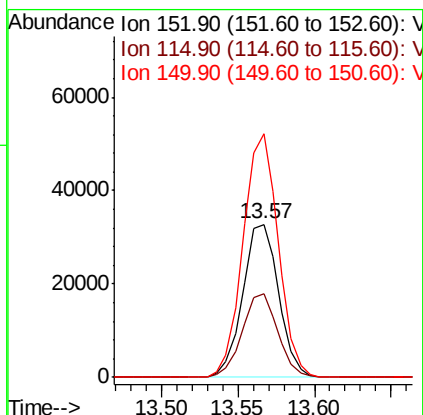
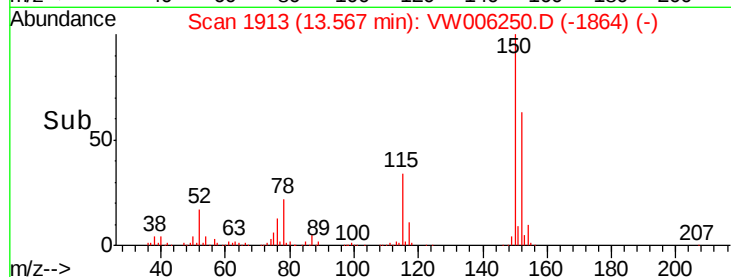
150 156.0 0.0 349.2



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



#76

1,2,3-Trichloropropane

Concen: 42.079 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006250.D

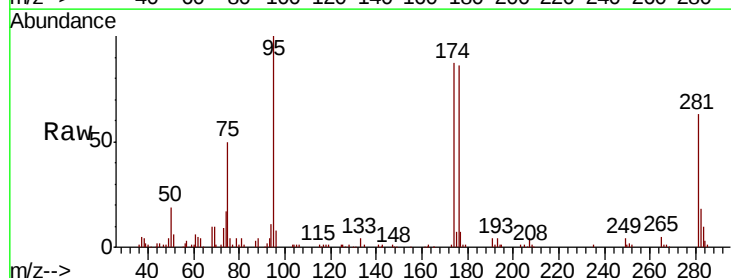
Acq: 22 Oct 2018 14:43

Tgt Ion: 75 Resp: 17150

Ion Ratio Lower Upper

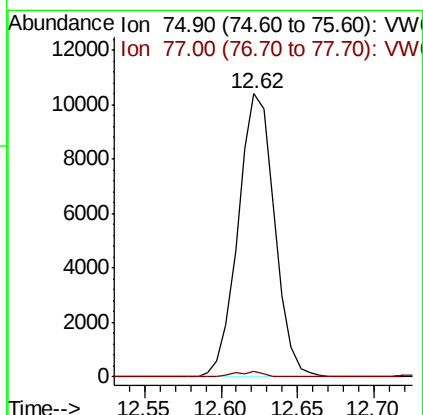
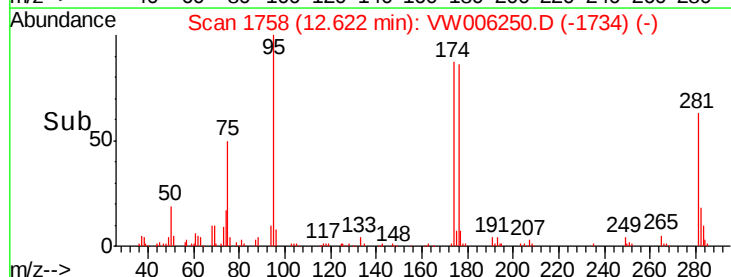
75 100

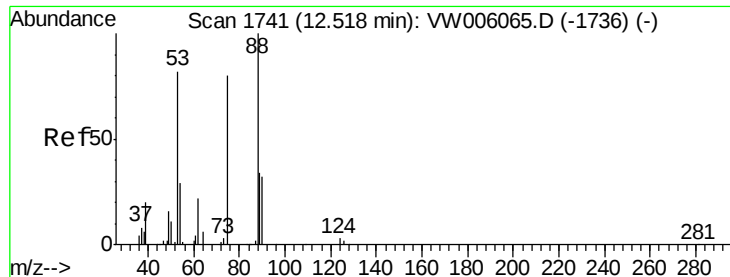
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 100.586 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006250.D

Acq: 22 Oct 2018 14:43

Instrument :

MSVOA_W

ClientSampleId :

SB-2(0-2)

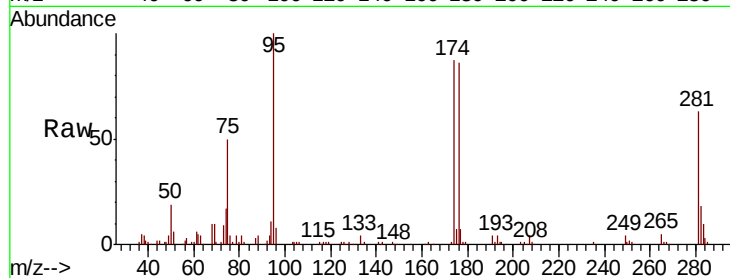
Tot Ion: 75 Resp: 17150

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

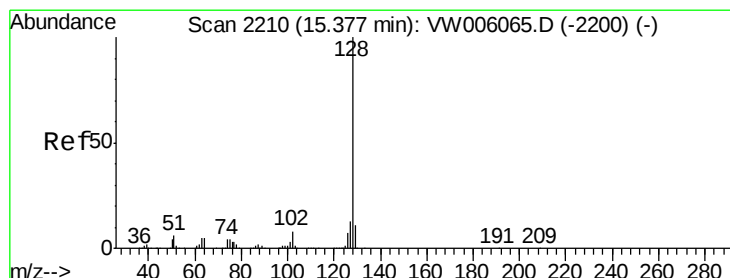
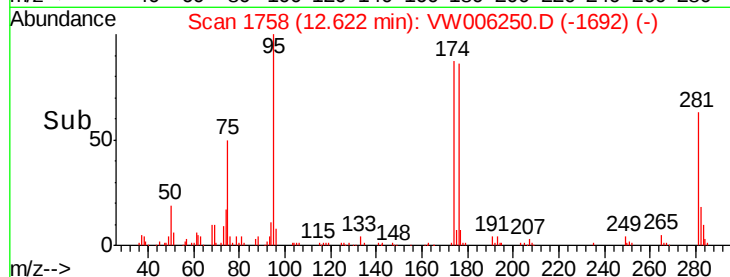
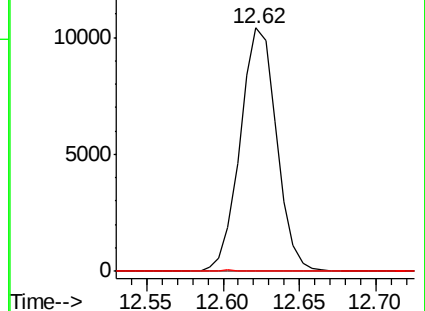
89 0.1 37.5 56.3#



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



#95

Naphthalene

Concen: 12.957 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW006250.D

Acq: 22 Oct 2018 14:43

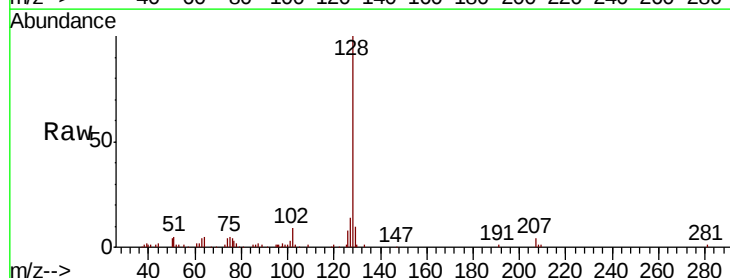
Tgt Ion:128 Resp: 27183

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

129 11.0 8.7 13.1



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

