

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103118\
 Data File : VW006502.D
 Acq On : 30 Oct 2018 15:26
 Operator : SY/AP
 Sample : J5691-04RE
 Misc : 6.05G/5ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-10

Quant Time: Oct 30 17:13:53 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	257642	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	374963	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	314808	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	118090	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	119431	55.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.82%	
35) Dibromofluoromethane	7.88	113	119795	54.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.14%	
50) Toluene-d8	10.33	98	427014	50.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.32%	
62) 4-Bromofluorobenzene	12.62	95	128974	40.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.48%	

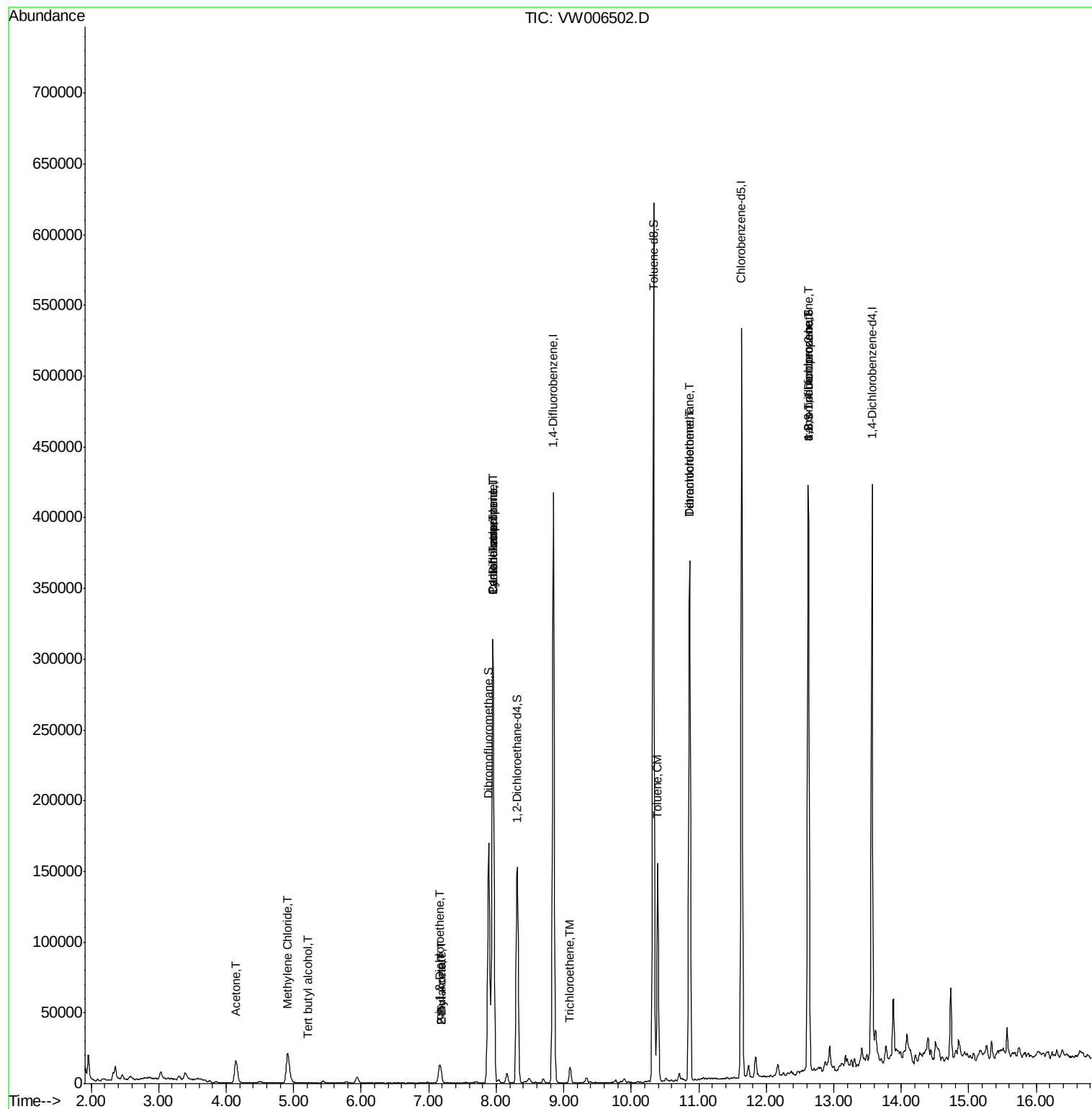
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	449	3.13	ug/l #	71
16) Acetone	4.14	43	31954	69.02	ug/l	99
20) Methylene Chloride	4.92	84	17986	6.54	ug/l	90
25) 2-Butanone	7.19	43	3166	5.49	ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	4319	1.63	ug/l	94
31) Cyclohexane	7.95	56	5892	1.51	ug/l #	9
36) 1,1-Dichloropropene	7.95	75	15645	4.53	ug/l #	48
37) Ethyl Acetate	7.19	43	3166	2.47	ug/l #	1
38) Carbon Tetrachloride	7.95	117	22107	5.83	ug/l #	17
44) Trichloroethene	9.09	130	3952	1.36	ug/l	92
52) Toluene	10.39	92	66617	10.48	ug/l	99
60) Dibromochloromethane	10.87	129	70184	31.14	ug/l #	11
64) Tetrachloroethene	10.87	164	89639	36.68	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	64233	71.21	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	64233	170.23	ug/l #	10

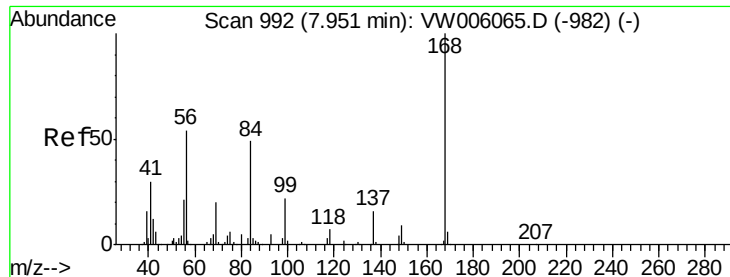
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006502.D

Acq: 30 Oct 2018 15:26

Instrument :

MSVOA_W

ClientSampled :

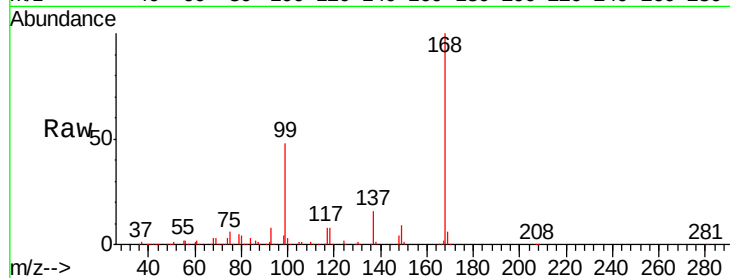
SB-10

Tgt Ion:168 Resp: 257642

Ion Ratio Lower Upper

168 100

99 47.9 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

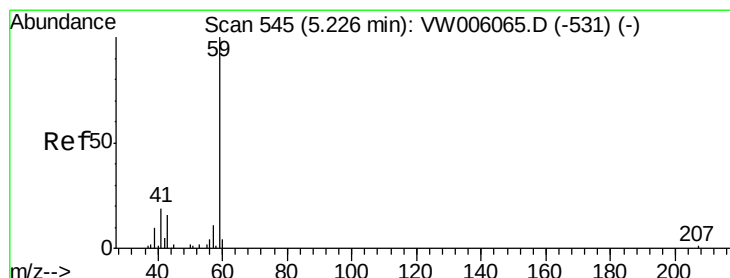
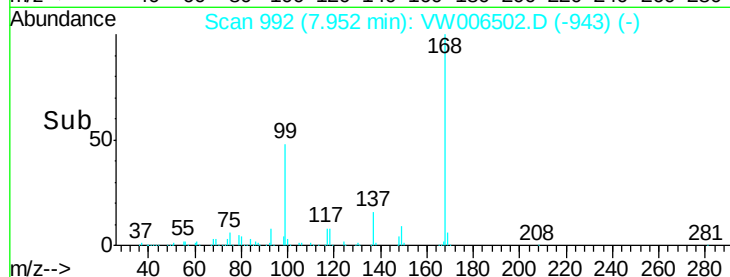
7.95

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.13 ug/l

RT: 5.21 min Scan# 543

Delta R.T. -0.01 min

Lab File: VW006502.D

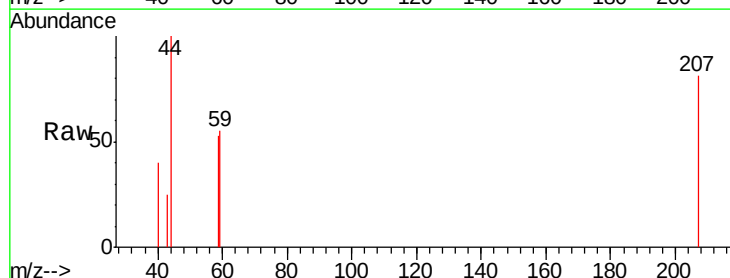
Acq: 30 Oct 2018 15:26

Tgt Ion: 59 Resp: 449

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

5.21

250

200

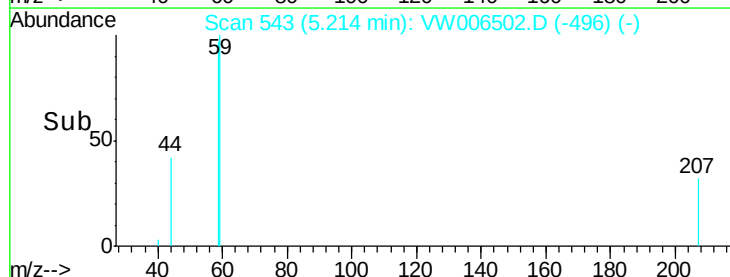
150

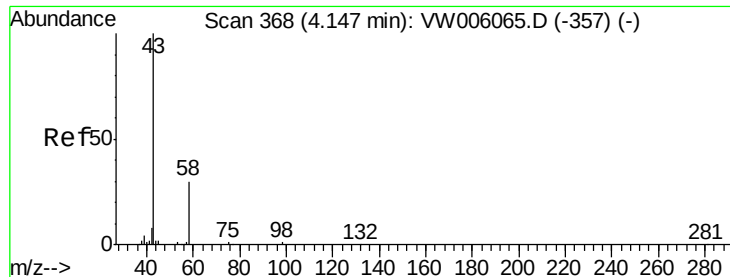
100

50

0

Time-->





#16

Acetone

Concen: 69.02 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW006502.D

Acq: 30 Oct 2018 15:26

Instrument :

MSVOA_W

ClientSampled :

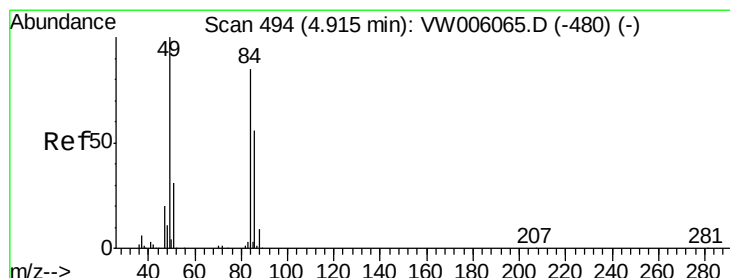
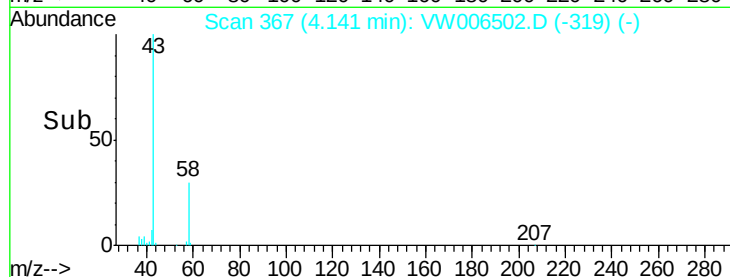
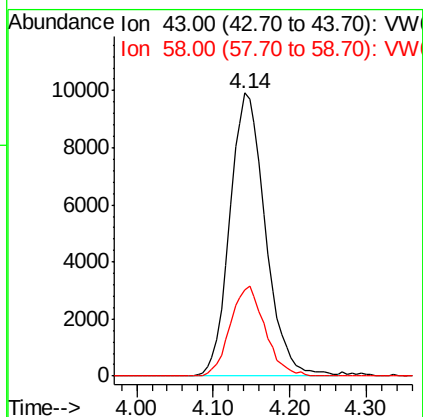
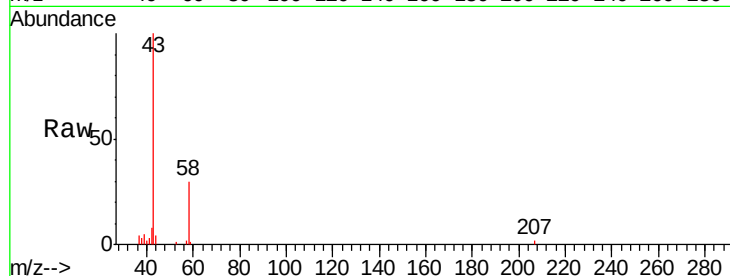
SB-10

Tgt Ion: 43 Resp: 31954

Ion Ratio Lower Upper

43 100

58 30.4 24.0 36.0



#20

Methylene Chloride

Concen: 6.54 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW006502.D

Acq: 30 Oct 2018 15:26

Tgt Ion: 84 Resp: 17986

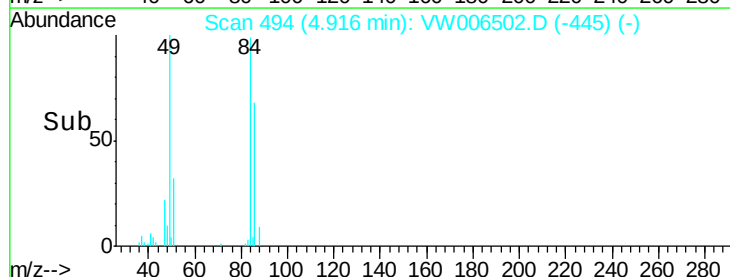
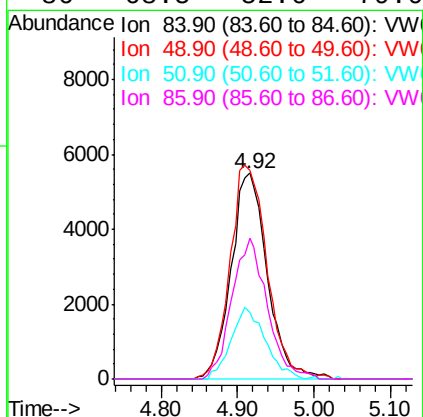
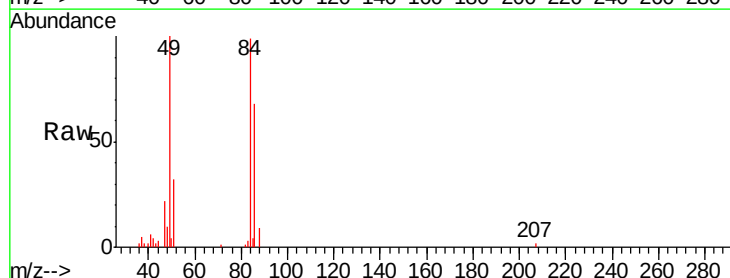
Ion Ratio Lower Upper

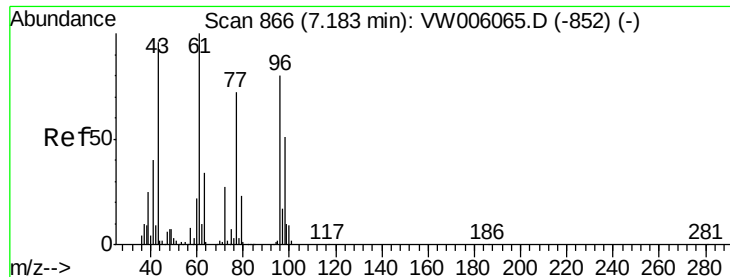
84 100

49 101.3 93.6 140.4

51 32.6 29.0 43.4

86 68.5 52.6 79.0





#25

2-Butanone

Concen: 5.49 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.01 min

Lab File: VW006502.D

Acq: 30 Oct 2018 15:26

Instrument :

MSVOA_W

ClientSampled :

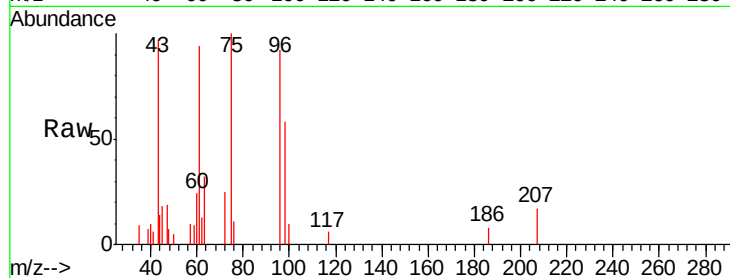
SB-10

Tgt Ion: 43 Resp: 3166

Ion Ratio Lower Upper

43 100

72 26.0 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.19

1200

1000

800

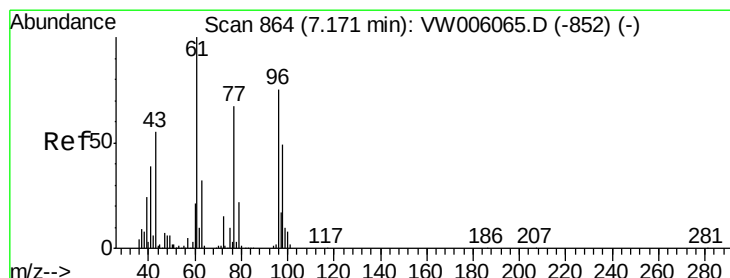
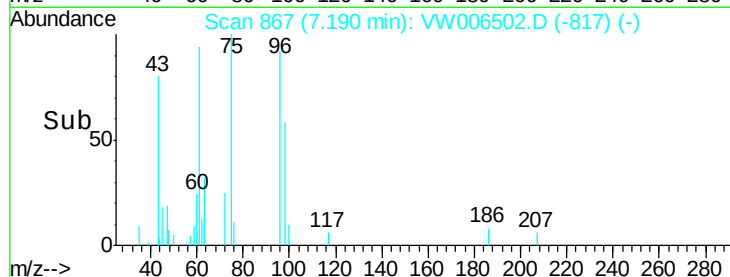
600

400

200

0

Time-->



#27

cis-1,2-Dichloroethene

Concen: 1.63 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006502.D

Acq: 30 Oct 2018 15:26

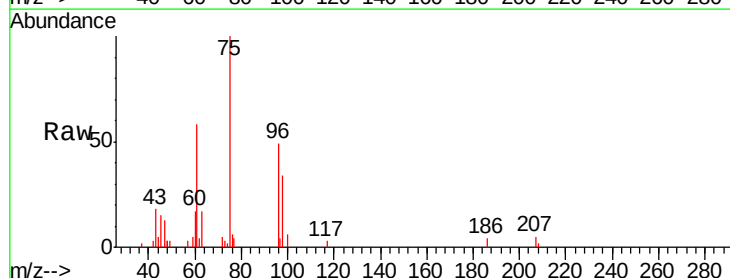
Tgt Ion: 96 Resp: 4319

Ion Ratio Lower Upper

96 100

61 124.8 0.0 267.2

98 61.6 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW

7.17

2500

2000

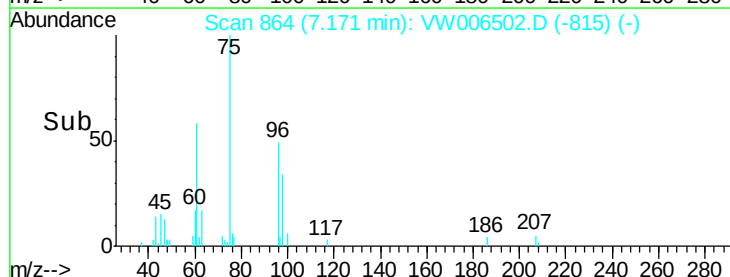
1500

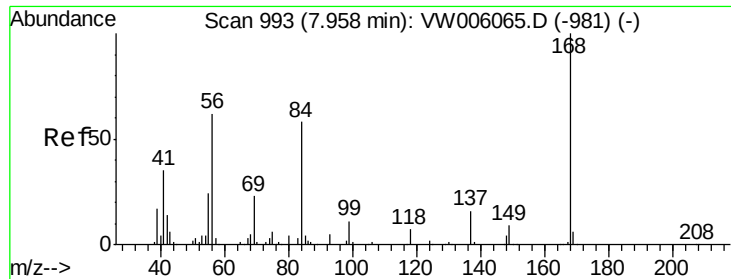
1000

500

0

Time-->

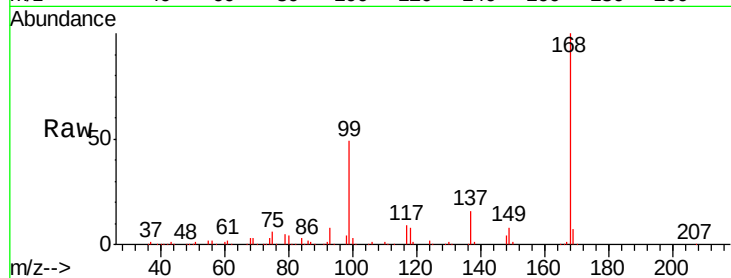




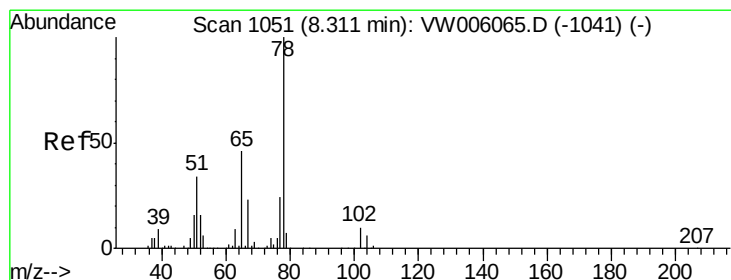
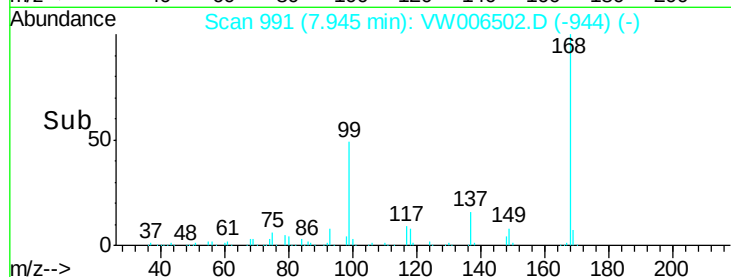
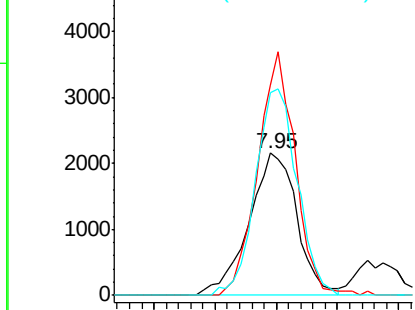
#31
Cyclohexane
Concen: 1.51 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW006502.D
Acq: 30 Oct 2018 15:26

Instrument :
MSVOA_W
ClientSampled :
SB-10

Tgt Ion: 56 Resp: 5892
Ion Ratio Lower Upper
56 100
69 147.9 29.4 44.0#
84 142.8 74.0 111.0#

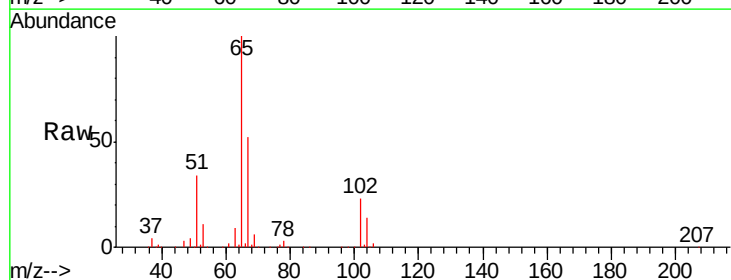


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

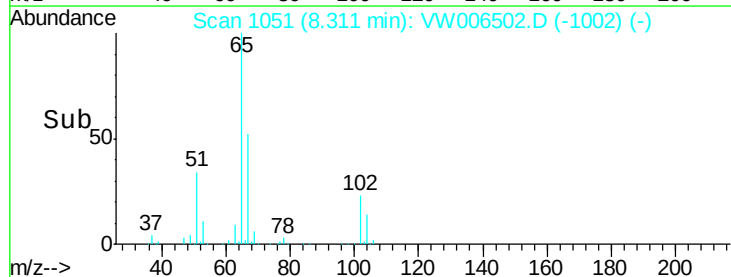
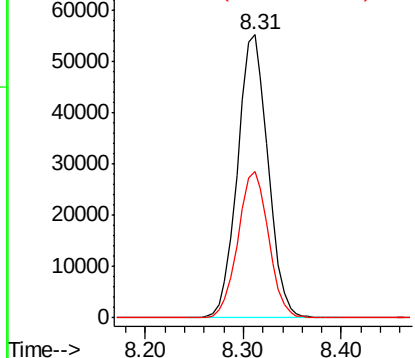


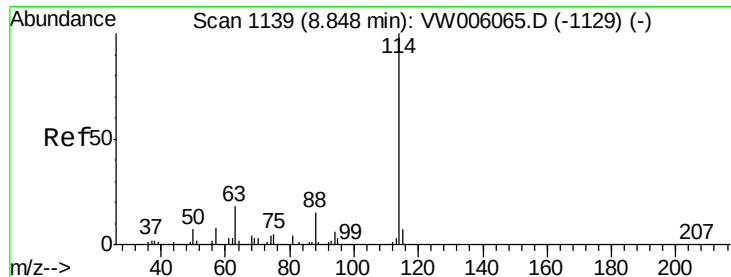
#33
1,2-Dichloroethane-d4
Concen: 55.91 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VW006502.D
Acq: 30 Oct 2018 15:26

Tgt Ion: 65 Resp: 119431
Ion Ratio Lower Upper
65 100
67 52.1 0.0 101.0



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

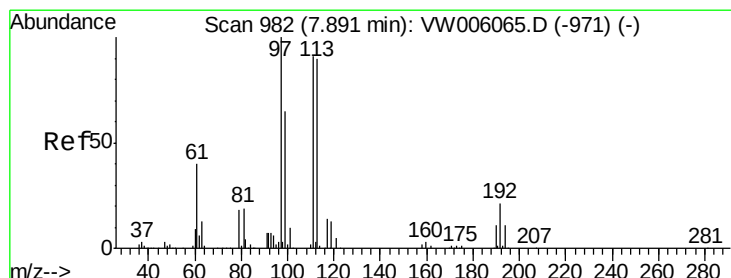
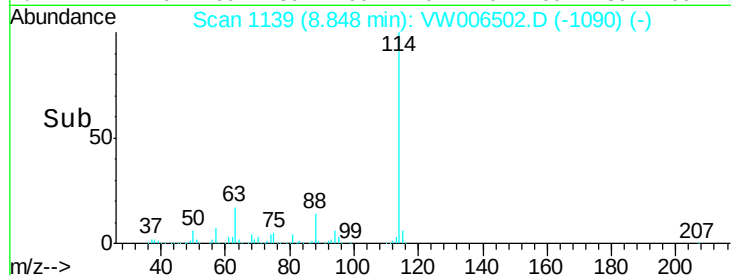
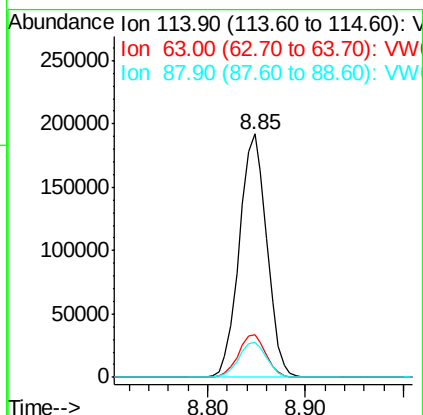
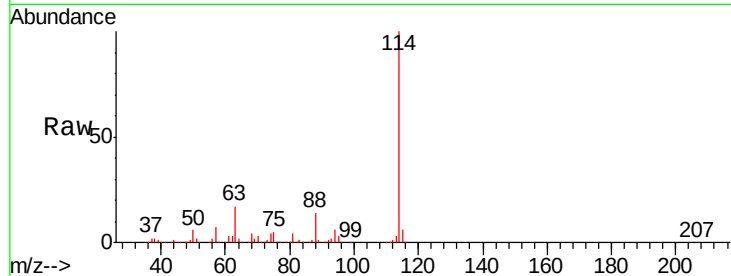




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006502.D
 Acq: 30 Oct 2018 15:26

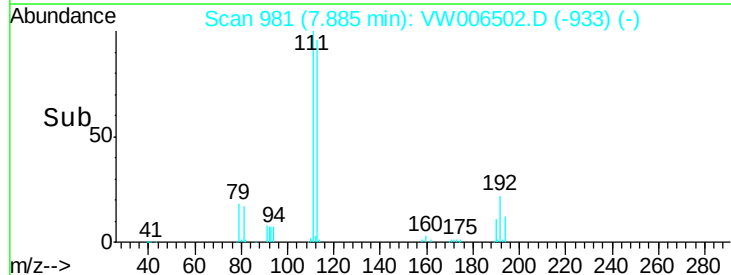
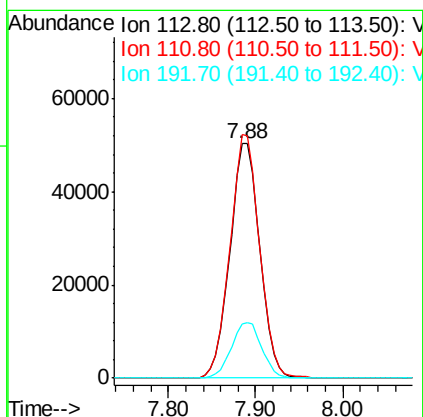
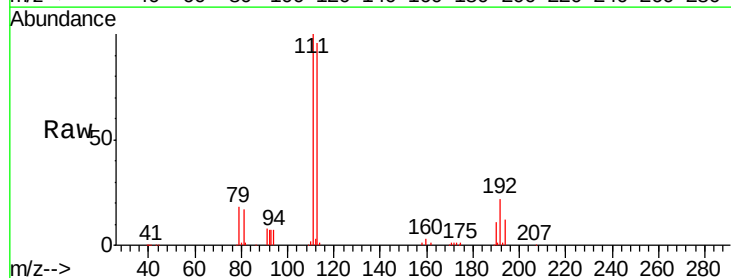
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-10

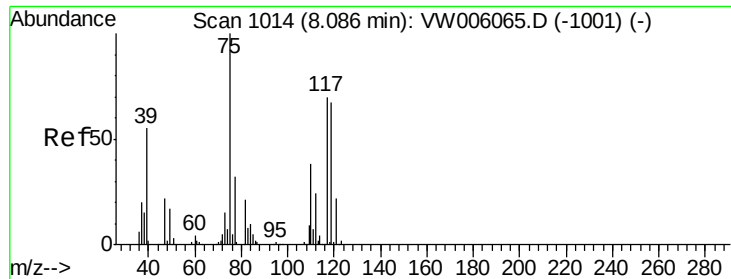
Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.4	0.0	36.8
88	14.4	0.0	29.0



#35
 Dibromofluoromethane
 Concen: 54.07 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006502.D
 Acq: 30 Oct 2018 15:26

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.4	122.0
192	24.0	18.7	28.1

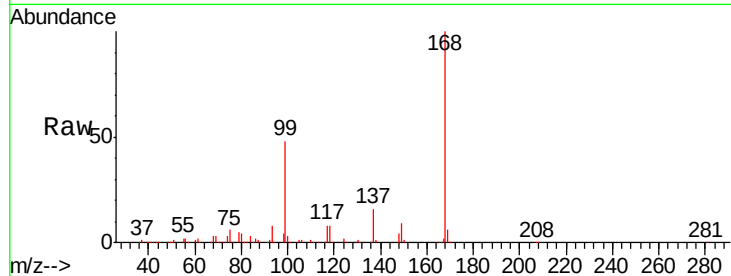




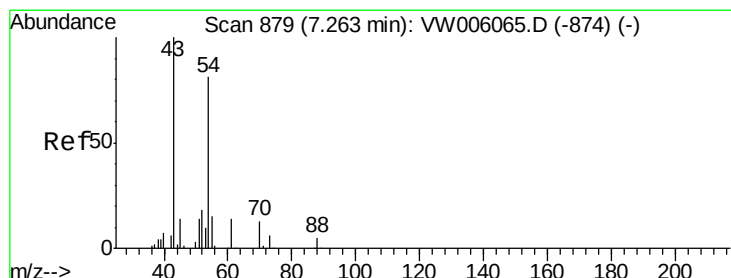
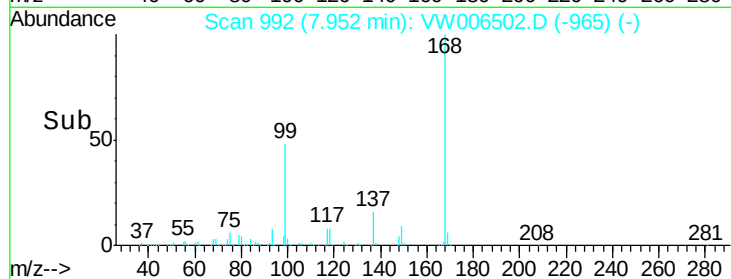
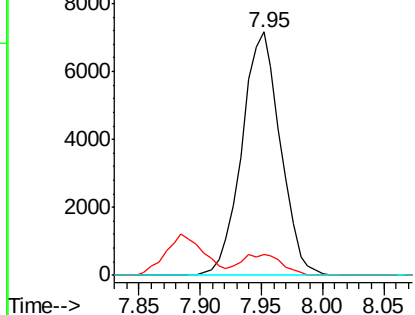
#36
 1,1-Dichloropropene
 Concen: 4.53 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006502.D
 Acq: 30 Oct 2018 15:26

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	19.1	57.1#
77	0.0	25.0	37.4#

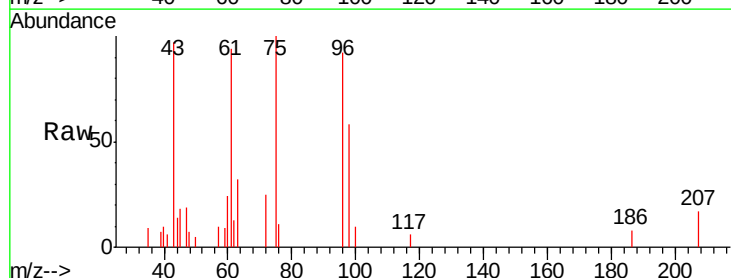


Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

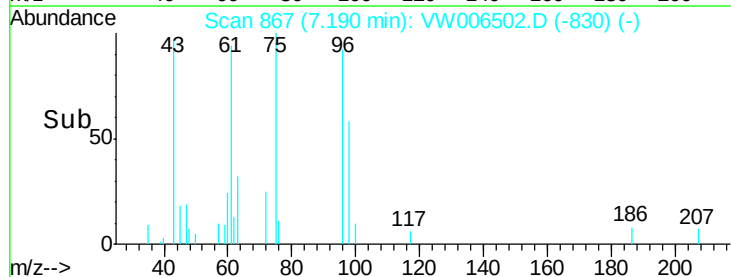
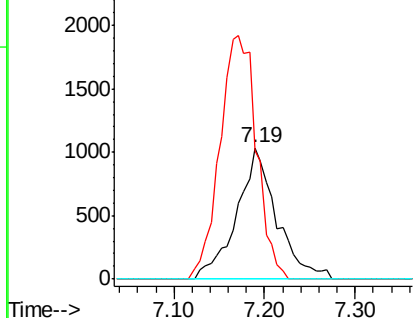


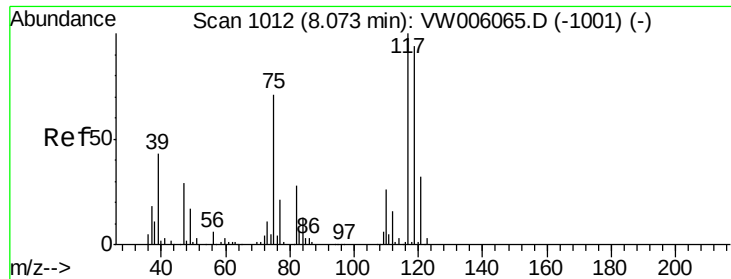
#37
 Ethyl Acetate
 Concen: 2.47 ug/l
 RT: 7.19 min Scan# 867
 Delta R.T. -0.07 min
 Lab File: VW006502.D
 Acq: 30 Oct 2018 15:26

Tgt Ion	Ratio	Lower	Upper
43	100		
61	170.3	11.5	17.3#
70	0.0	9.2	13.8#



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

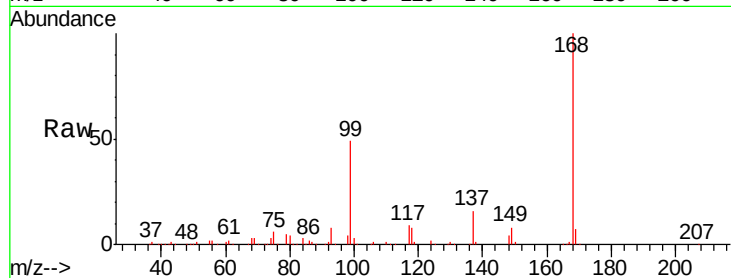




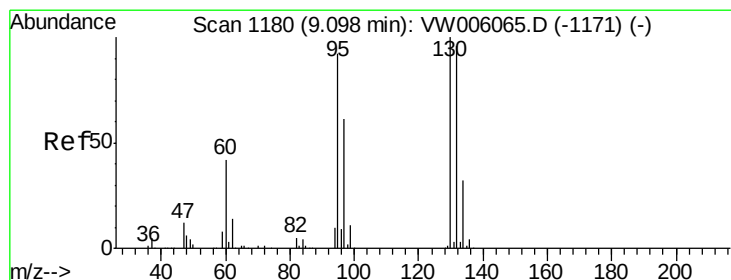
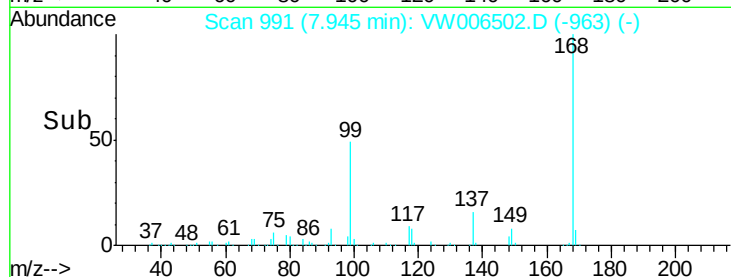
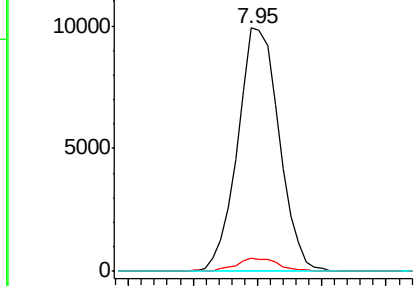
#38
Carbon Tetrachloride
Concen: 5.83 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.13 min
Lab File: VW006502.D
Acq: 30 Oct 2018 15:26

Instrument :
MSVOA_W
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Tgt Ion:117 Resp: 22107
Ion Ratio Lower Upper
117 100
119 5.6 75.2 112.8#
121 0.0 25.3 37.9#

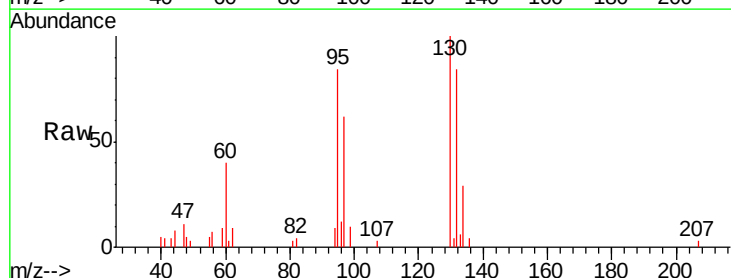


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

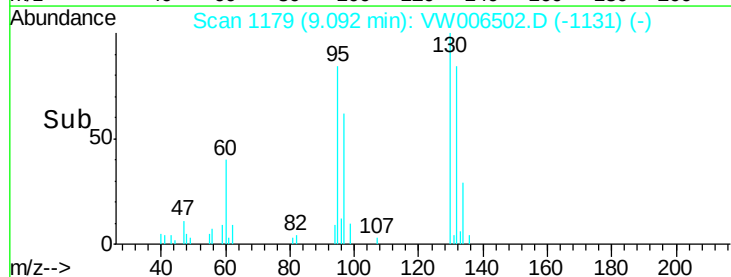
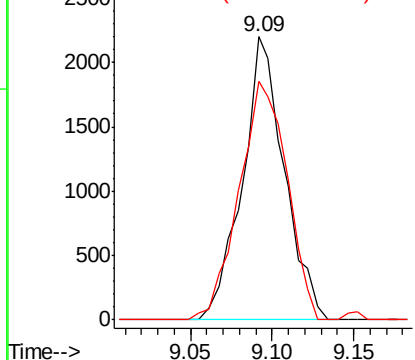


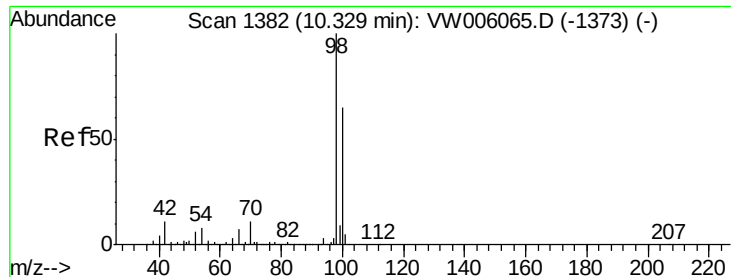
#44
Trichloroethene
Concen: 1.36 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.01 min
Lab File: VW006502.D
Acq: 30 Oct 2018 15:26

Tgt Ion:130 Resp: 3952
Ion Ratio Lower Upper
130 100
95 84.1 0.0 183.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 50.66 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006502.D

Acq: 30 Oct 2018 15:26

Instrument :

MSVOA_W

ClientSampled :

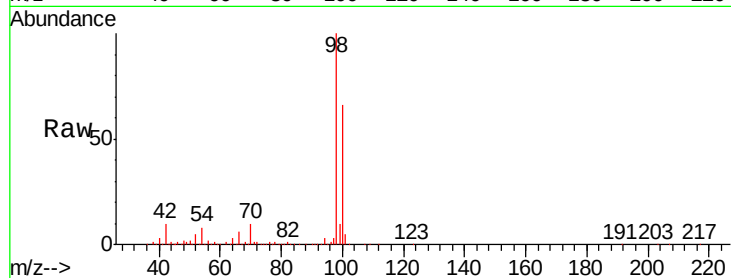
SB-10

Tgt Ion: 98 Resp: 427014

Ion Ratio Lower Upper

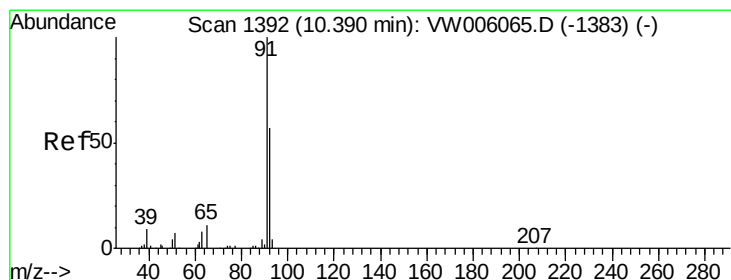
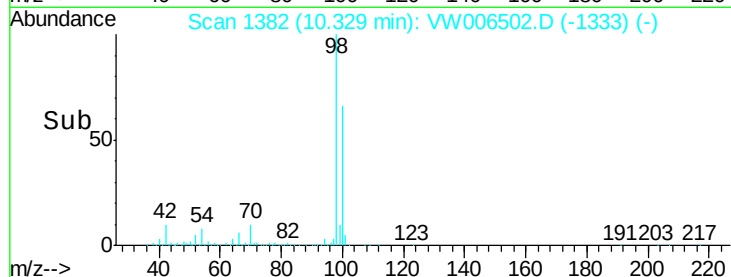
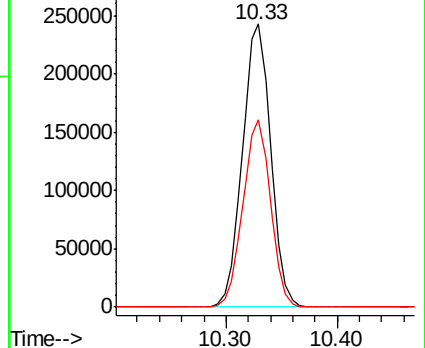
98 100

100 64.6 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#52

Toluene

Concen: 10.48 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006502.D

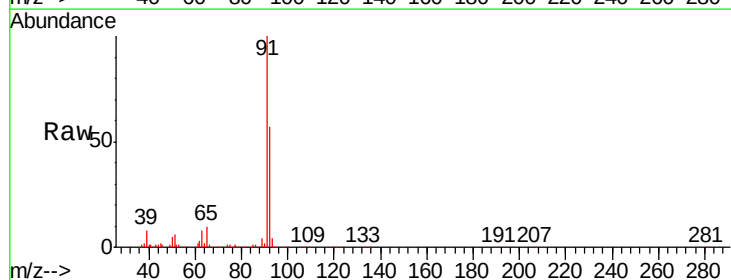
Acq: 30 Oct 2018 15:26

Tgt Ion: 92 Resp: 66617

Ion Ratio Lower Upper

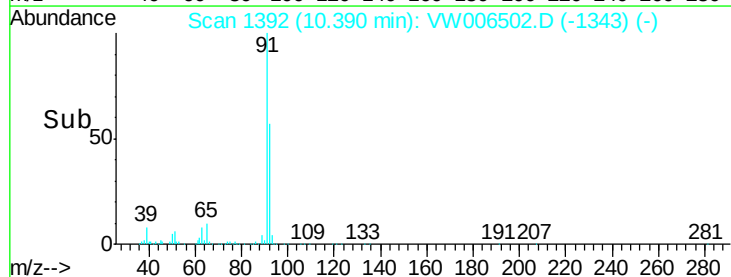
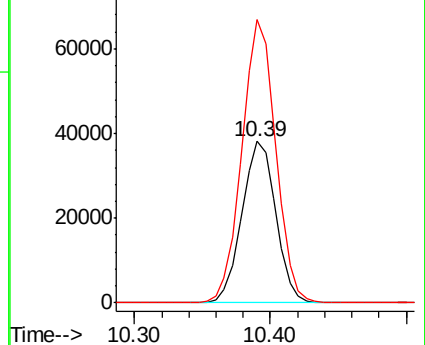
92 100

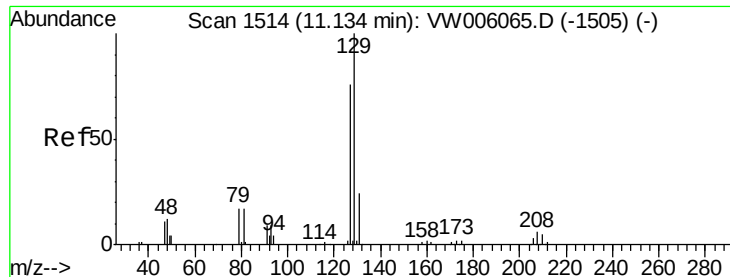
91 173.4 140.0 210.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

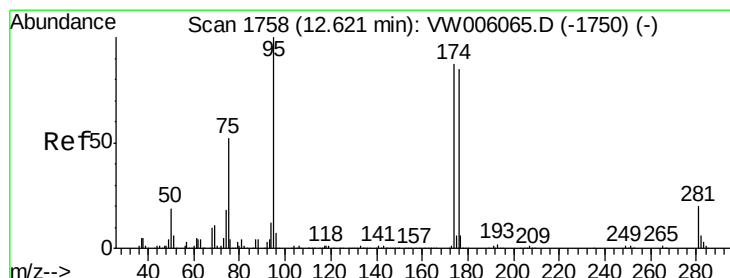
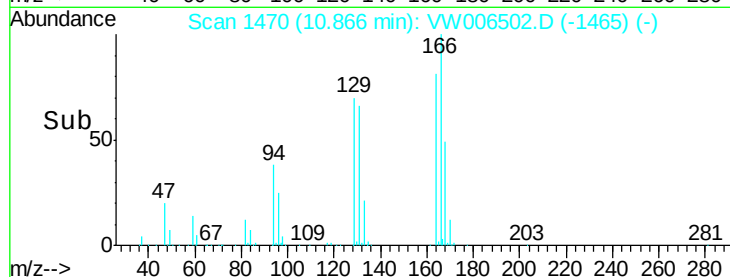
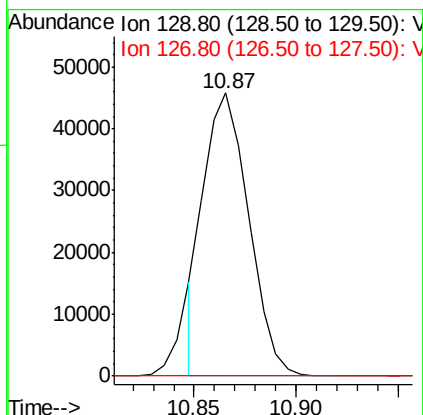
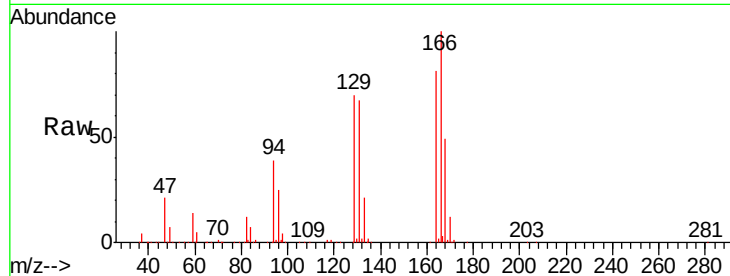




#60
 Dibromochloromethane
 Concen: 31.14 ug/l
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.27 min
 Lab File: VW006502.D
 Acq: 30 Oct 2018 15:26

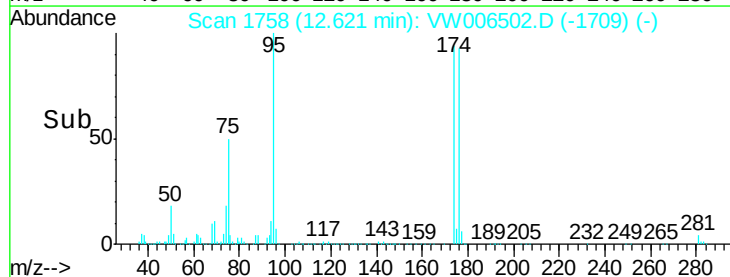
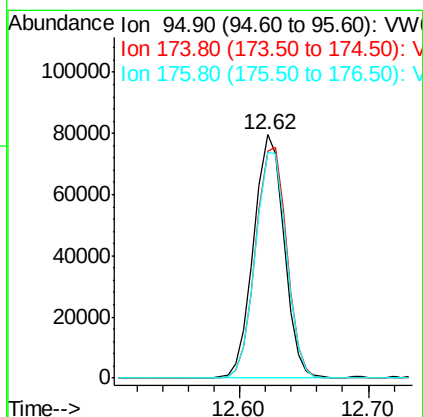
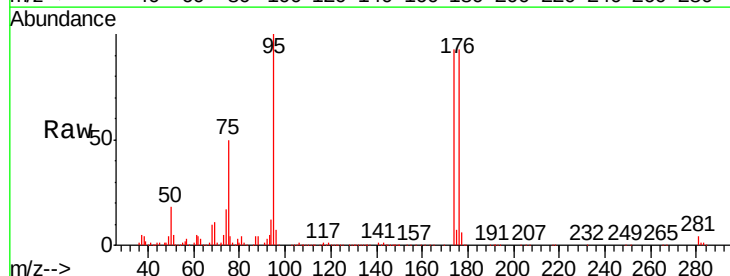
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-10

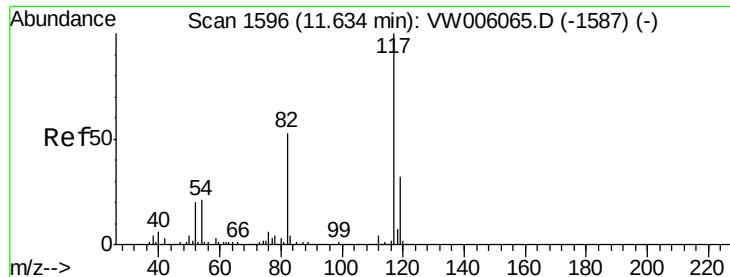
Tgt Ion: 129 Resp: 70184
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.6 115.7#



#62
 4-Bromofluorobenzene
 Concen: 40.74 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW006502.D
 Acq: 30 Oct 2018 15:26

Tgt Ion: 95 Resp: 128974
 Ion Ratio Lower Upper
 95 100
 174 97.5 0.0 186.0
 176 95.4 0.0 181.6

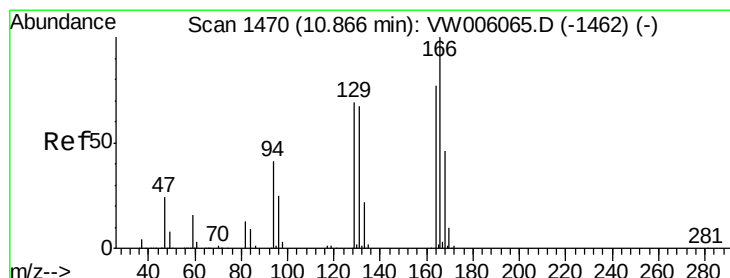
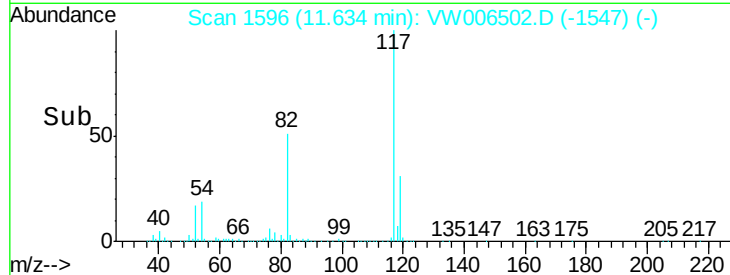
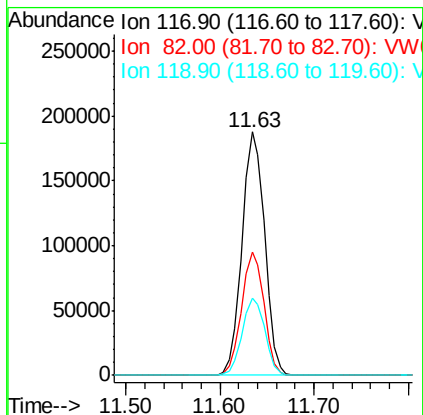
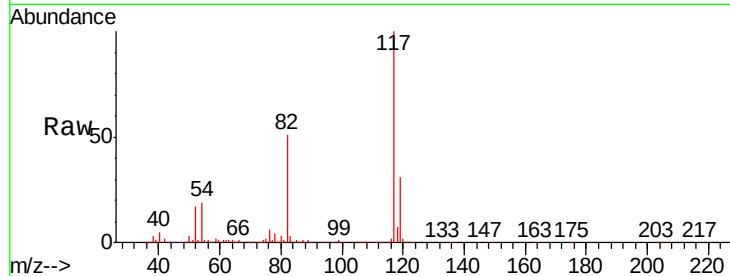




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006502.D
Acq: 30 Oct 2018 15:26

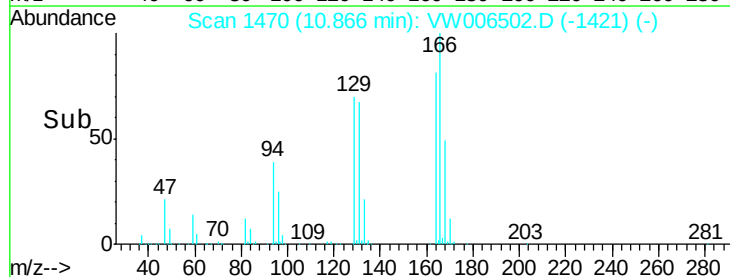
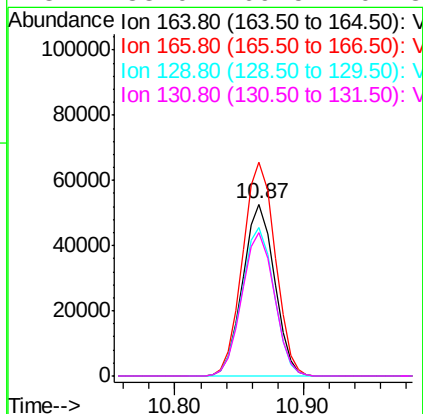
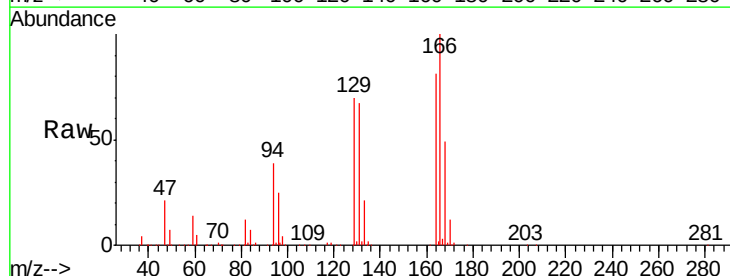
Instrument :
MSVOA_W
ClientSampled :
SB-10

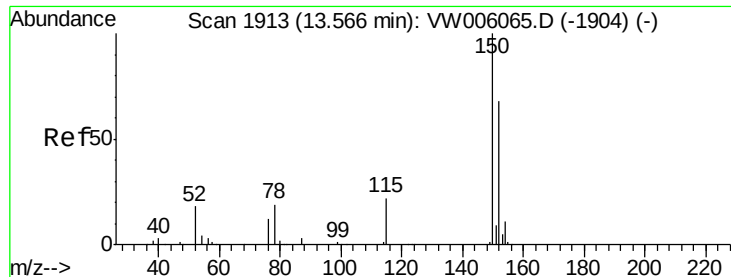
Tgt Ion:117 Resp: 314808
Ion Ratio Lower Upper
117 100
82 50.5 42.1 63.1
119 31.4 25.8 38.6



#64
Tetrachloroethene
Concen: 36.68 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006502.D
Acq: 30 Oct 2018 15:26

Tgt Ion:164 Resp: 89639
Ion Ratio Lower Upper
164 100
166 124.1 103.4 155.0
129 86.7 71.8 107.8
131 83.0 69.5 104.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006502.D

Acq: 30 Oct 2018 15:26

Instrument :

MSVOA_W

ClientSampled :

SB-10

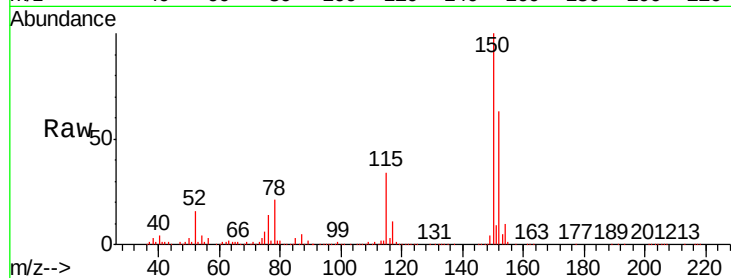
Tgt Ion:152 Resp: 118090

Ion Ratio Lower Upper

152 100

115 53.5 27.8 83.3

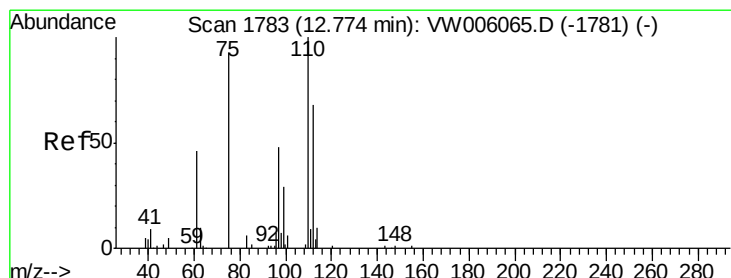
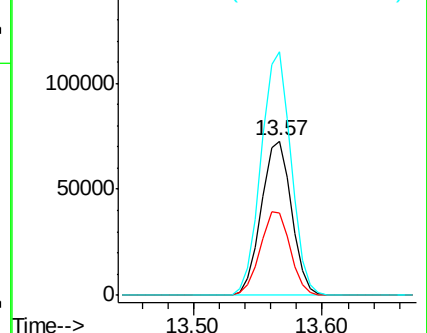
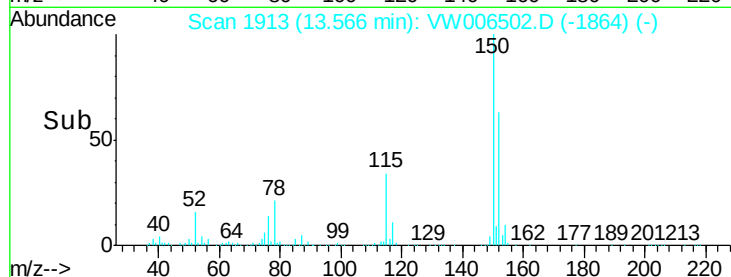
150 155.9 0.0 349.2



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



#76

1,2,3-Trichloropropane

Concen: 71.21 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006502.D

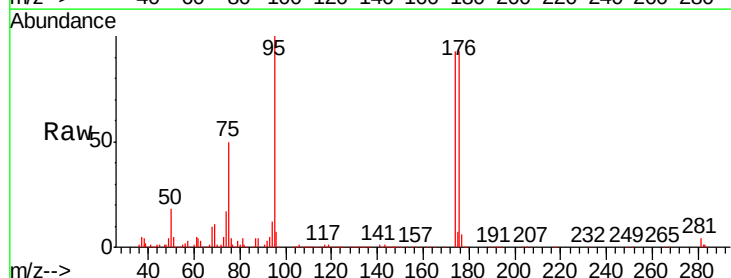
Acq: 30 Oct 2018 15:26

Tgt Ion: 75 Resp: 64233

Ion Ratio Lower Upper

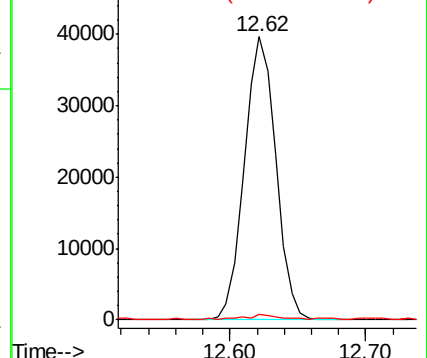
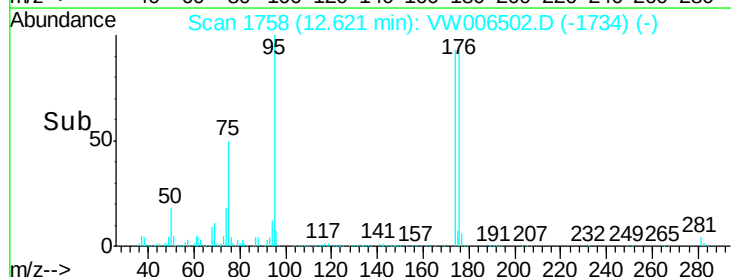
75 100

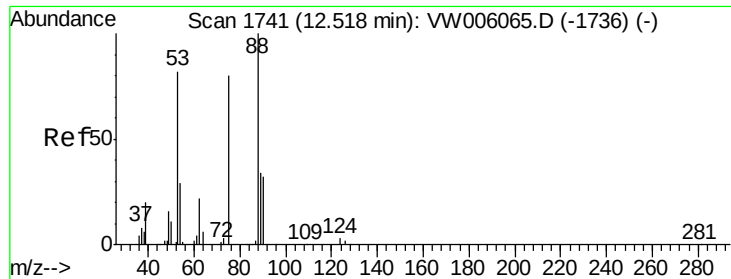
77 1.5 0.0 0.0#



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: 170.23 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006502.D

Acq: 30 Oct 2018 15:26

Instrument :

MSVOA_W

ClientSampleId :

SB-10

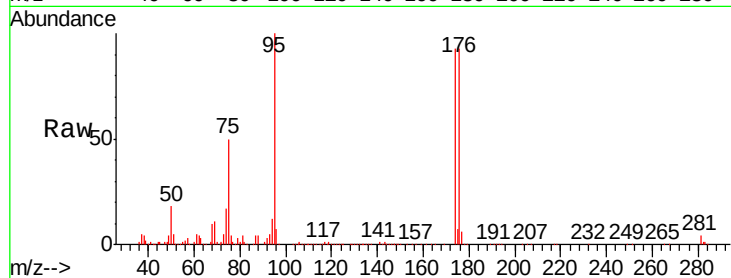
Tgt Ion: 75 Resp: 64233

Ion Ratio Lower Upper

75 100

53 0.1 79.8 119.6#

89 0.0 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

