

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090718\
 Data File : VW005211.D
 Acq On : 07 Sep 2018 16:07
 Operator : SY/AP
 Sample : J4748-02RE
 Misc : 6.20G/5ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-10RE

Quant Time: Sep 08 01:19:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 01 03:35:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	42956	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	64661	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	55839	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	15533	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.32	65	17458	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
35) Dibromofluoromethane	7.89	113	16184	43.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.62%	
50) Toluene-d8	10.34	98	49955	29.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	58.02%	
62) 4-Bromofluorobenzene	12.63	95	13323	21.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.88%	

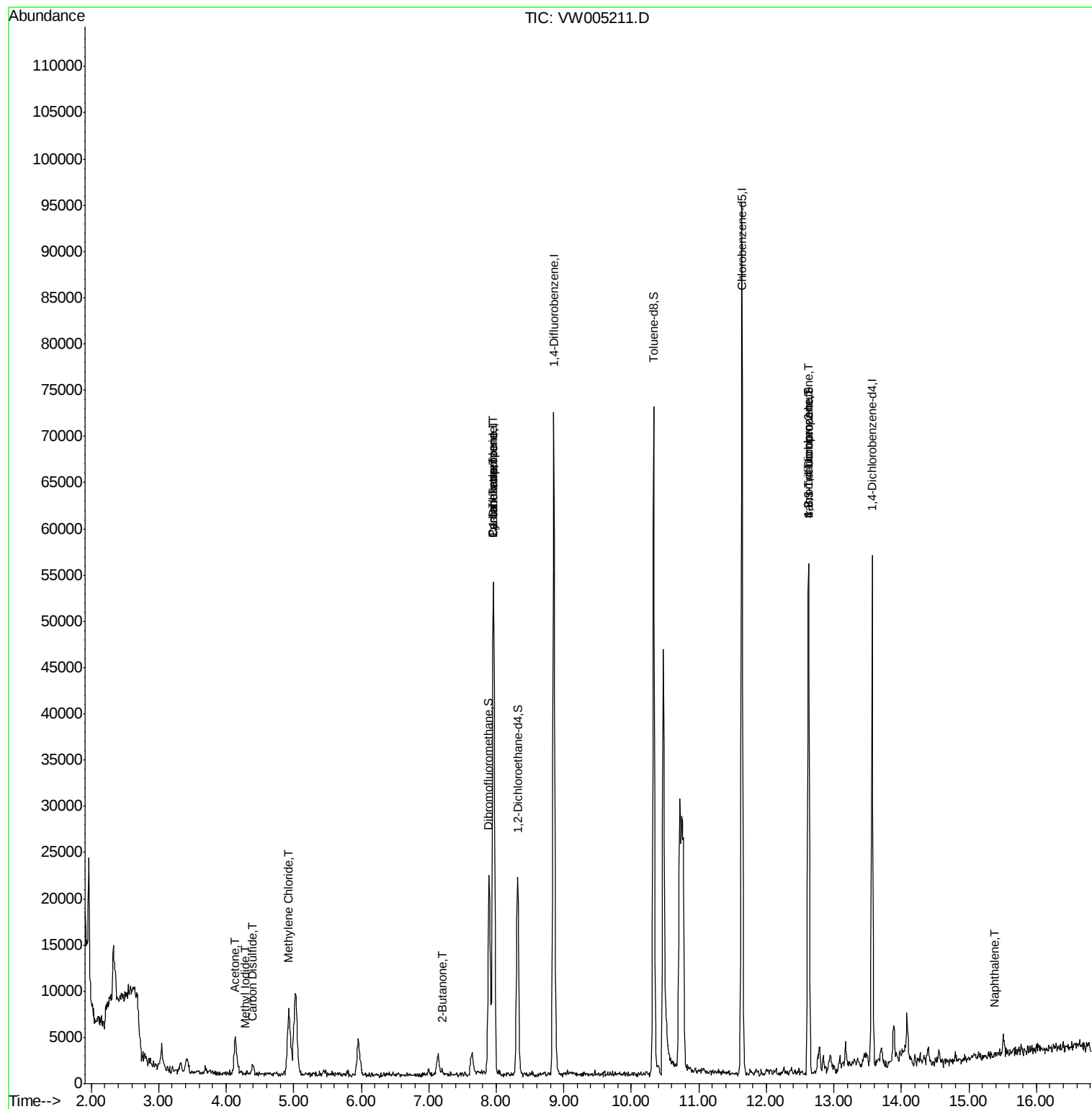
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.77	94	216	Below Cal	#	78
10) Methyl Iodide	4.27	142	32	3.871	ug/l #	44
16) Acetone	4.14	43	7178	100.515	ug/l	94
17) Carbon Disulfide	4.40	76	1490	1.231	ug/l #	75
20) Methylene Chloride	4.93	84	5477	8.090	ug/l #	92
25) 2-Butanone	7.20	43	747	6.031	ug/l	98
31) Cyclohexane	7.95	56	927	1.325	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	2950	4.790	ug/l #	46
38) Carbon Tetrachloride	7.95	117	3713	6.341	ug/l #	18
76) 1,2,3-Trichloropropane	12.63	75	6302	54.051	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	6302	130.094	ug/l #	14
95) Naphthalene	15.39	128	45	4.053	ug/l #	69

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005211.D

Acq: 07 Sep 2018 16:07

Instrument :

MSVOA_W

ClientSampleId :

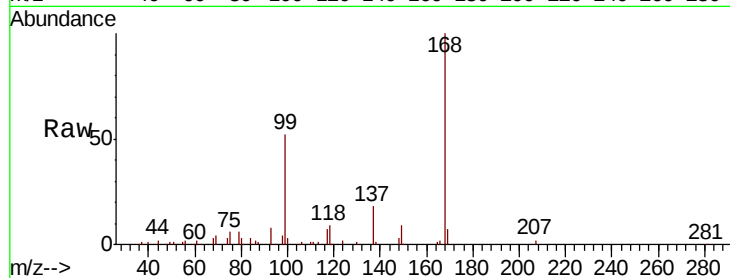
SB-10RE

Tgt Ion:168 Resp: 42956

Ion Ratio Lower Upper

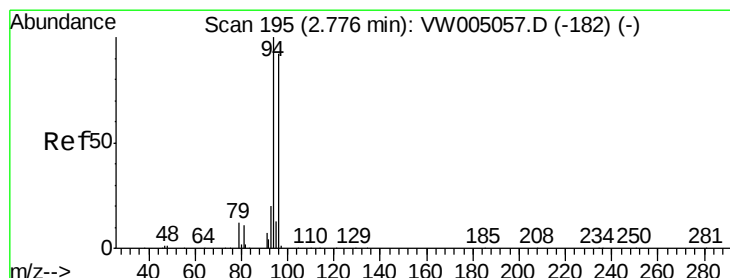
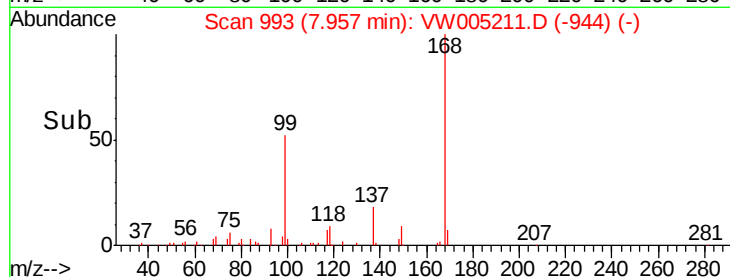
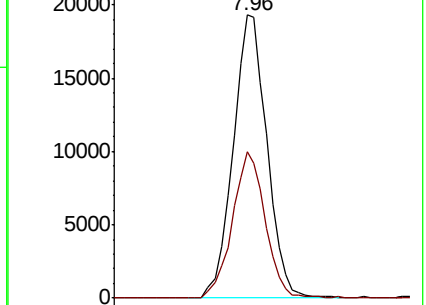
168 100

99 51.7 39.4 59.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW005211.D

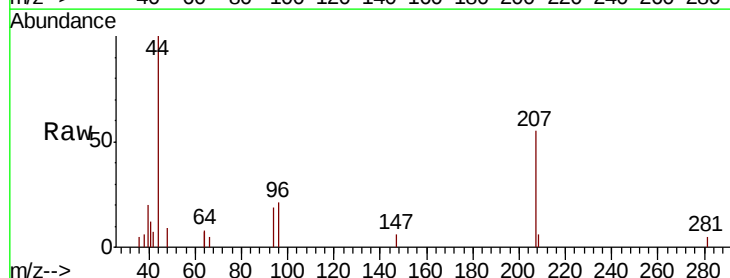
Acq: 07 Sep 2018 16:07

Tgt Ion: 94 Resp: 216

Ion Ratio Lower Upper

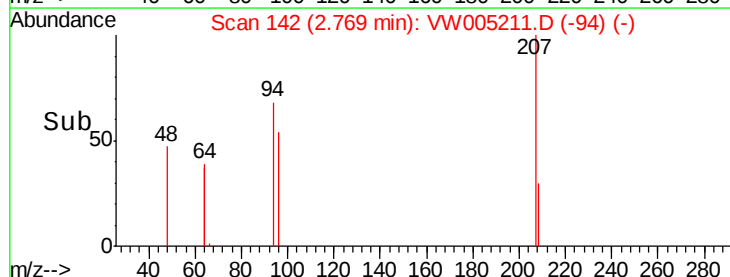
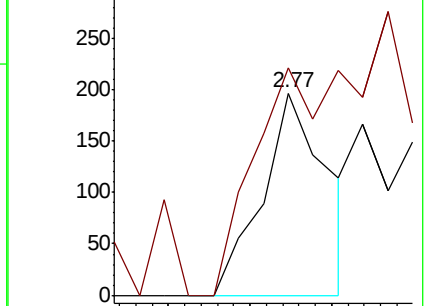
94 100

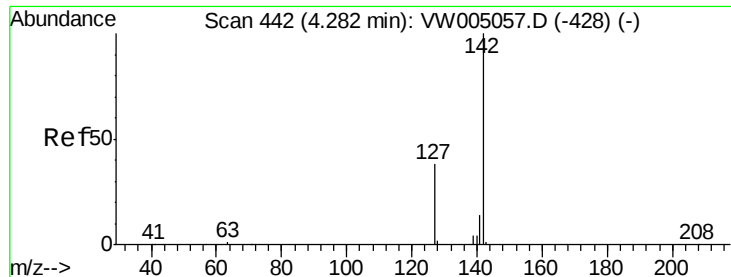
96 112.2 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW





#10

Methyl Iodide

Concen: 3.871 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW005211.D

Acq: 07 Sep 2018 16:07

Instrument :

MSVOA_W

ClientSampleId :

SB-10RE

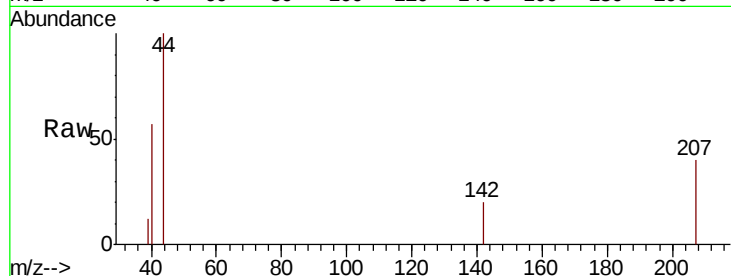
Tgt Ion:142 Resp: 32

Ion Ratio Lower Upper

142 100

127 0.0 30.8 46.2#

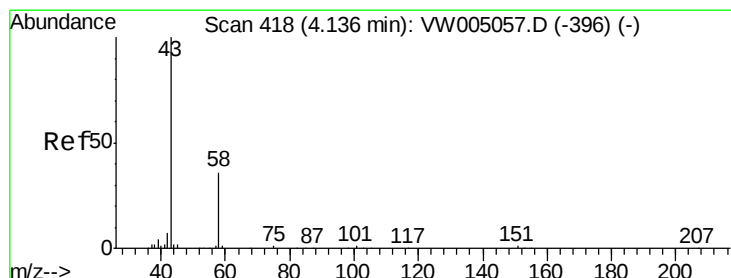
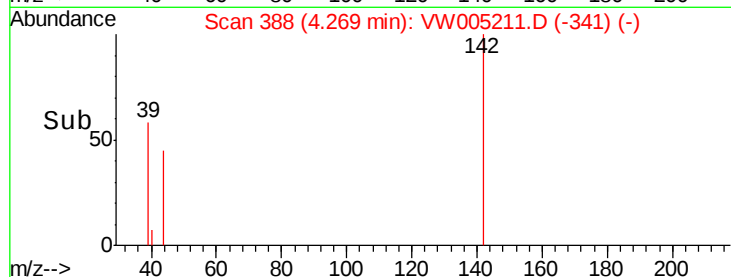
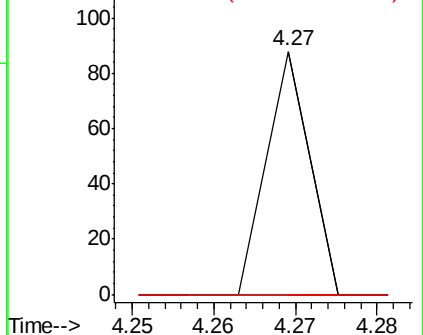
141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#16

Acetone

Concen: 100.515 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW005211.D

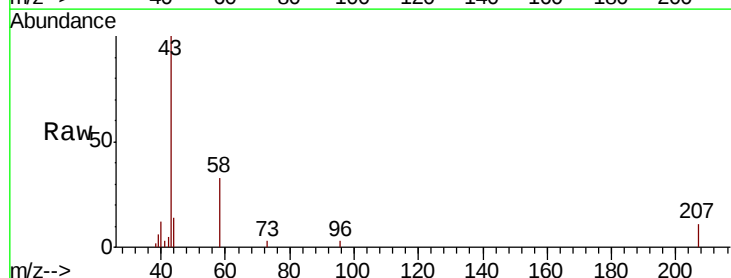
Acq: 07 Sep 2018 16:07

Tgt Ion: 43 Resp: 7178

Ion Ratio Lower Upper

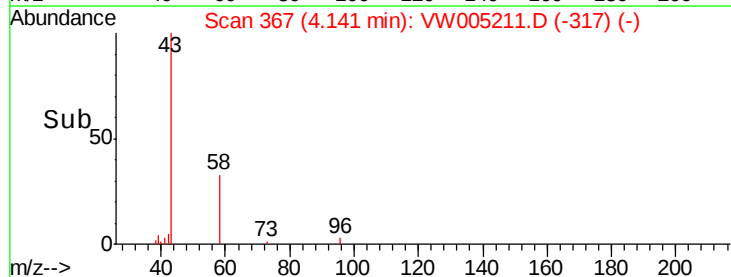
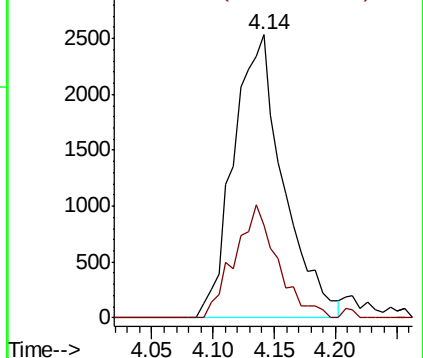
43 100

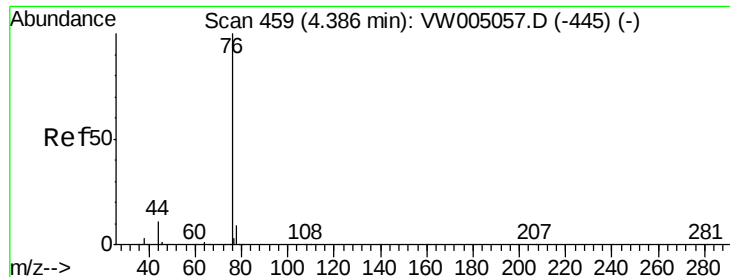
58 32.9 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 1.231 ug/l

RT: 4.40 min Scan# 409

Delta R.T. 0.01 min

Lab File: VW005211.D

Acq: 07 Sep 2018 16:07

Instrument :

MSVOA_W

ClientSampleId :

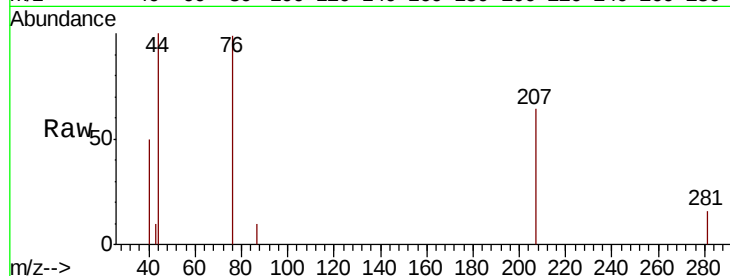
SB-10RE

Tgt Ion: 76 Resp: 1490

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.40

600

500

400

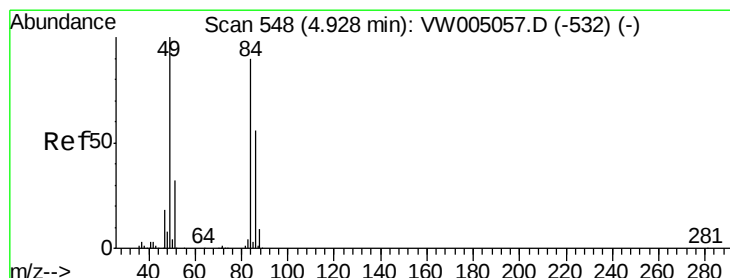
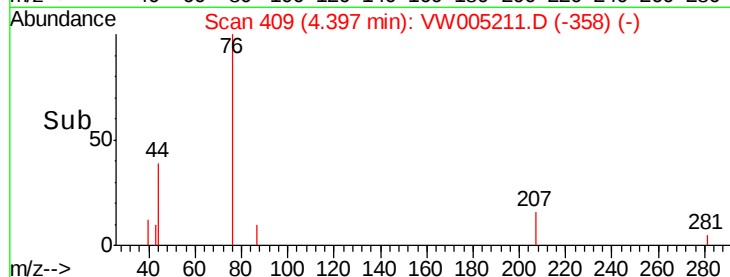
300

200

100

0

Time--> 4.30 4.35 4.40 4.45



#20

Methylene Chloride

Concen: 8.090 ug/l

RT: 4.93 min Scan# 496

Delta R.T. -0.00 min

Lab File: VW005211.D

Acq: 07 Sep 2018 16:07

Tgt Ion: 84 Resp: 5477

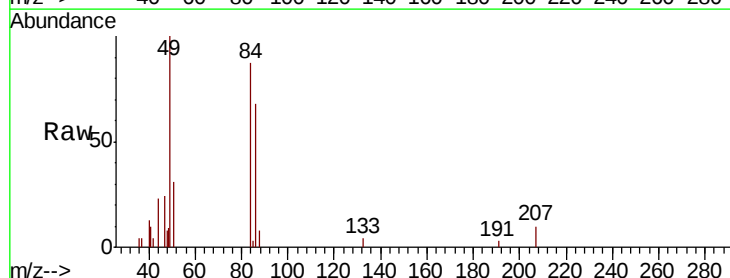
Ion Ratio Lower Upper

84 100

49 114.7 88.7 133.1

51 35.2 28.6 42.8

86 77.9 49.4 74.2#



Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

3000

2500

2000

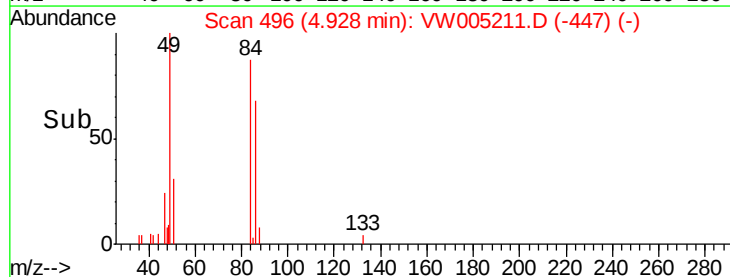
1500

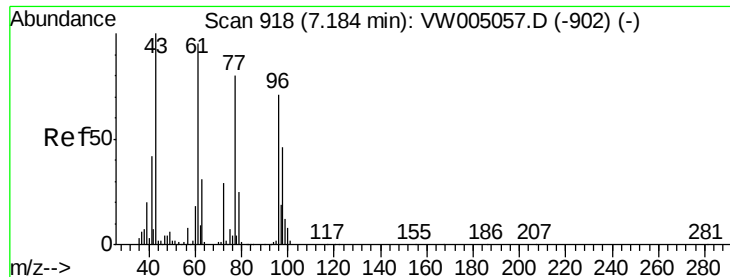
1000

500

0

Time--> 4.85 4.90 4.95 5.00





#25

2-Butanone

Concen: 6.031 ug/l

RT: 7.20 min Scan# 868

Delta R.T. 0.01 min

Lab File: VW005211.D

Acq: 07 Sep 2018 16:07

Instrument :

MSVOA_W

ClientSampled :

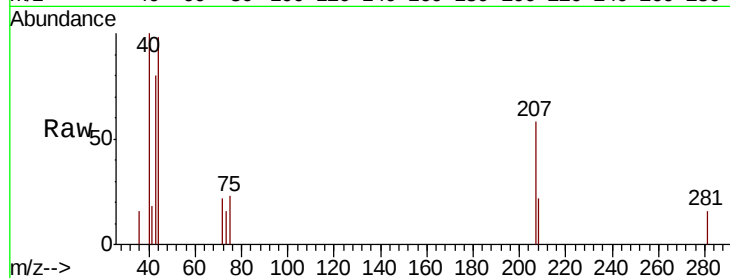
SB-10RE

Tgt Ion: 43 Resp: 747

Ion Ratio Lower Upper

43 100

72 27.8 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.20

300

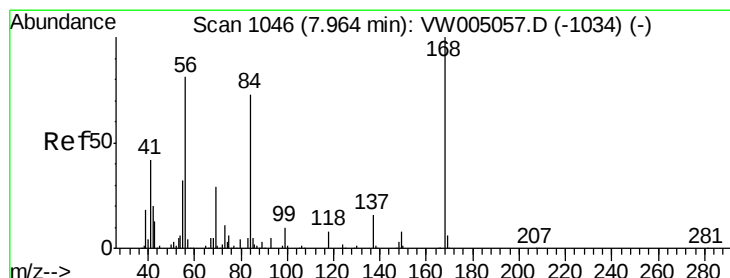
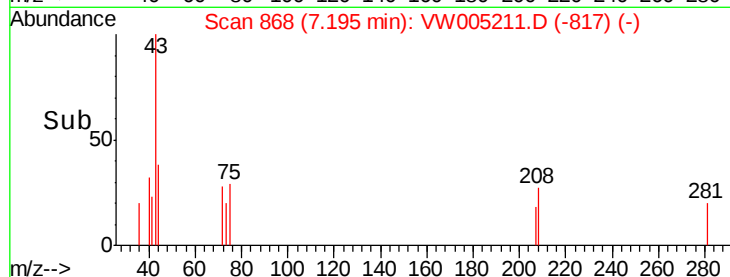
200

100

0

7.10 7.15 7.20 7.25 7.30

Time-->



#31

Cyclohexane

Concen: 1.325 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005211.D

Acq: 07 Sep 2018 16:07

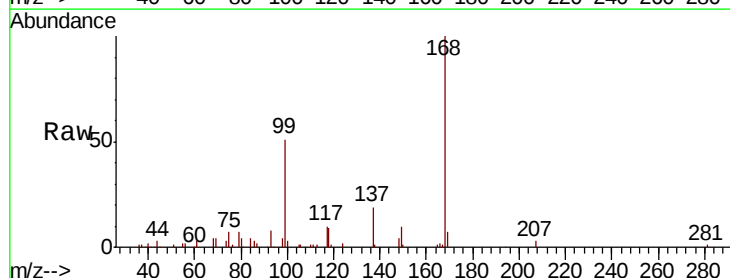
Tgt Ion: 56 Resp: 927

Ion Ratio Lower Upper

56 100

69 175.1 28.2 42.2#

84 190.1 71.8 107.8#



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

1000

800

600

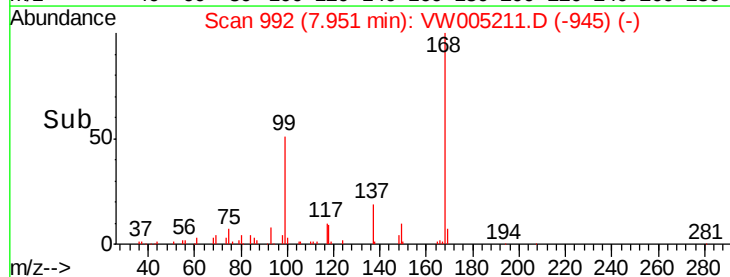
400

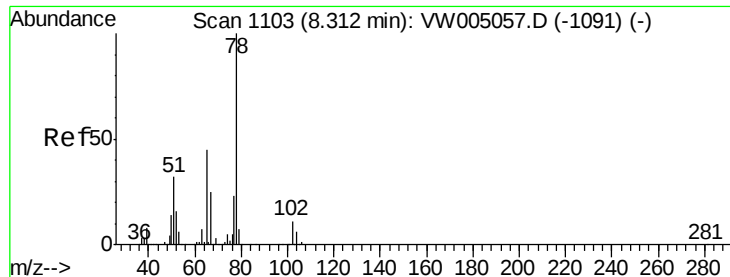
200

0

7.90 7.95 8.00

Time-->

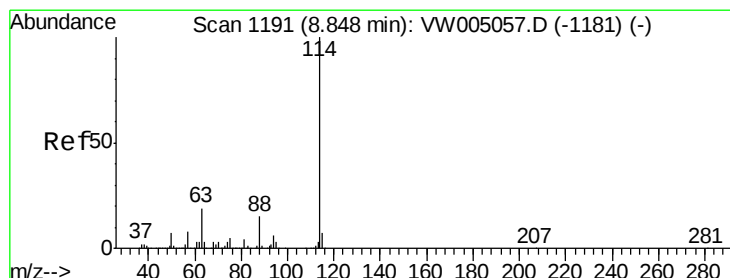
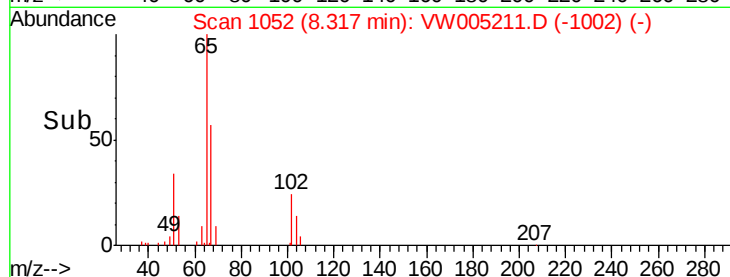
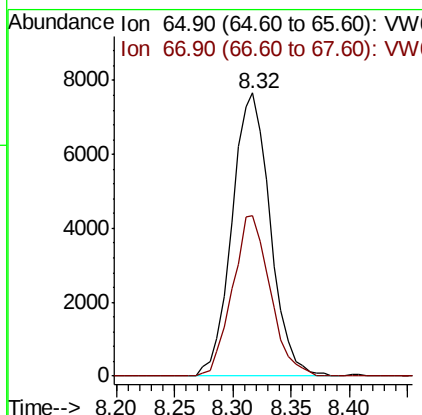
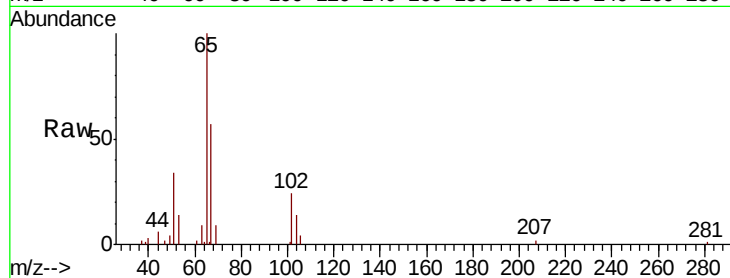




#33
 1,2-Dichloroethane-d4
 Concen: 49.027 ug/l
 RT: 8.32 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VW005211.D
 Acq: 07 Sep 2018 16:07

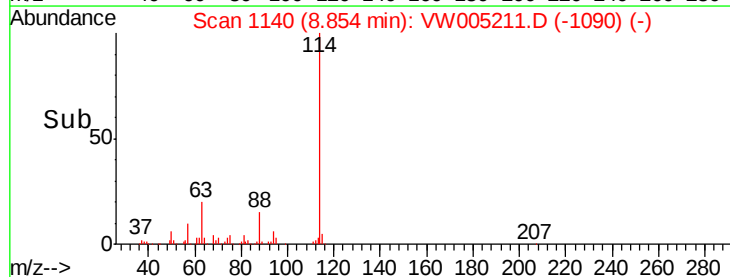
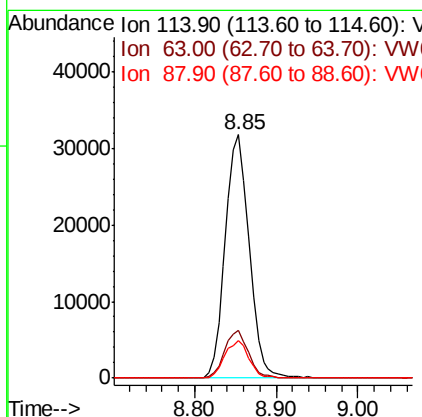
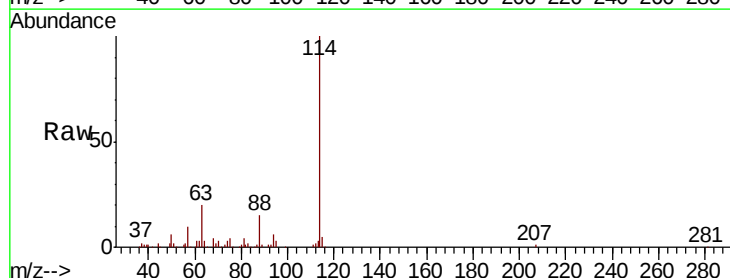
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 SB-10RE

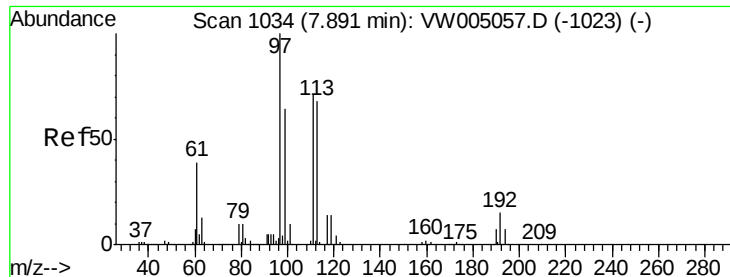
Tgt Ion: 65 Resp: 17458
 Ion Ratio Lower Upper
 65 100
 67 56.0 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1140
 Delta R.T. 0.01 min
 Lab File: VW005211.D
 Acq: 07 Sep 2018 16:07

Tgt Ion: 114 Resp: 64661
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 38.0
 88 15.3 0.0 30.2

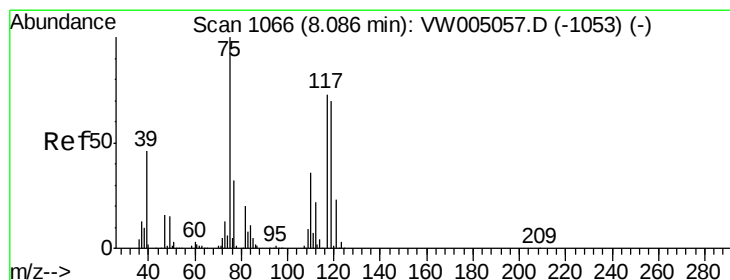
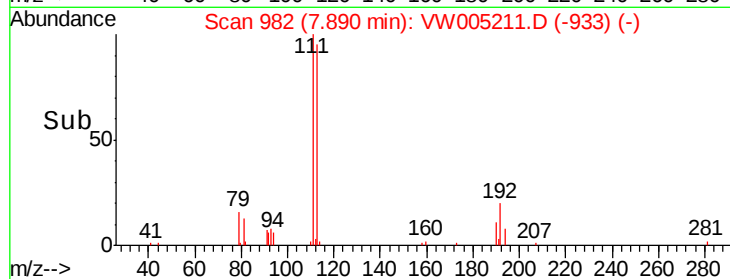
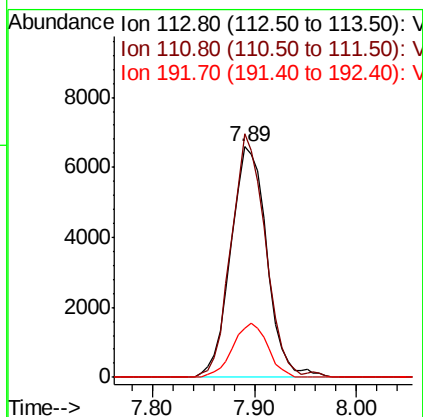
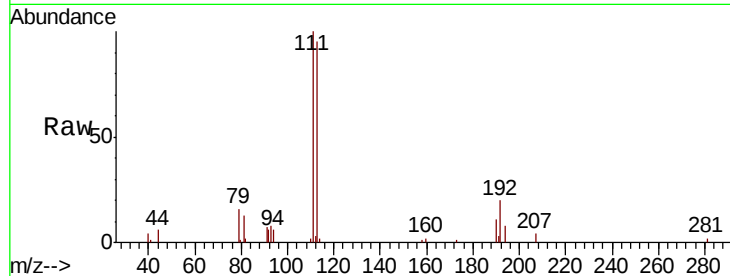




#35
 Dibromofluoromethane
 Concen: 43.311 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005211.D
 Acq: 07 Sep 2018 16:07

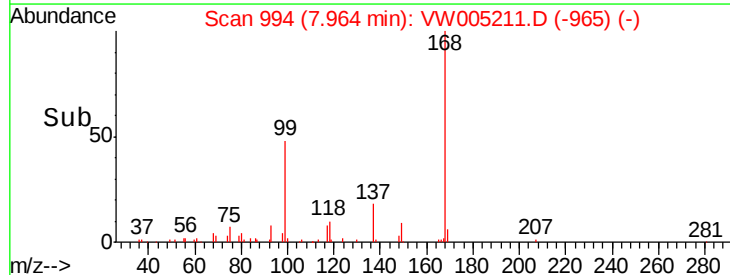
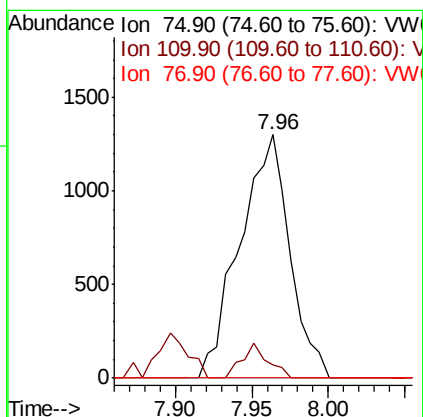
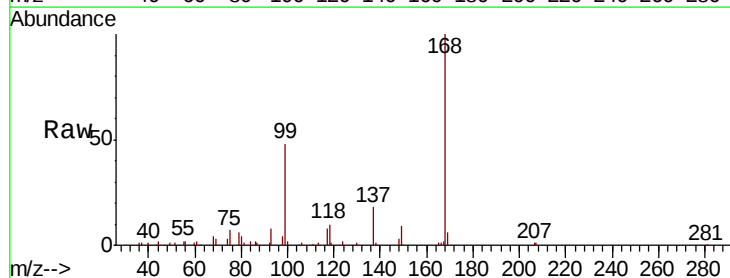
Instrument :
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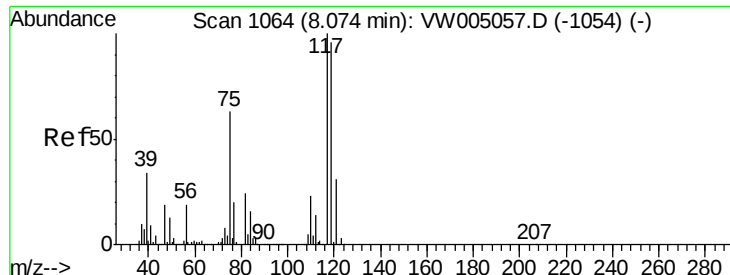
Tgt Ion: 113 Resp: 16184
 Ion Ratio Lower Upper
 113 100
 111 99.5 82.2 123.2
 192 22.7 18.1 27.1



#36
 1,1-Dichloropropene
 Concen: 4.790 ug/l
 RT: 7.96 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VW005211.D
 Acq: 07 Sep 2018 16:07

Tgt Ion: 75 Resp: 2950
 Ion Ratio Lower Upper
 75 100
 110 7.4 18.9 56.7#
 77 0.0 25.5 38.3#





#38

Carbon Tetrachloride

Concen: 6.341 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW005211.D

Acq: 07 Sep 2018 16:07

Instrument :

MSVOA_W

ClientSampleId :

SB-10RE

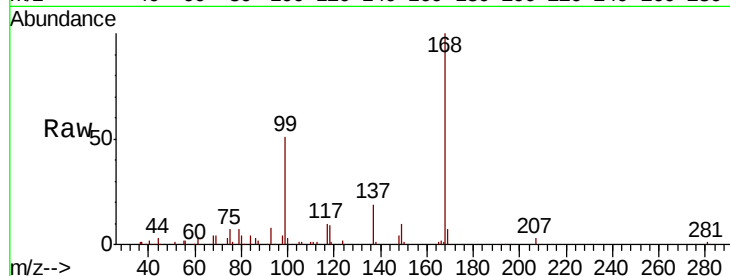
Tgt Ion: 117 Resp: 3713

Ion Ratio Lower Upper

117 100

119 7.6 76.6 115.0#

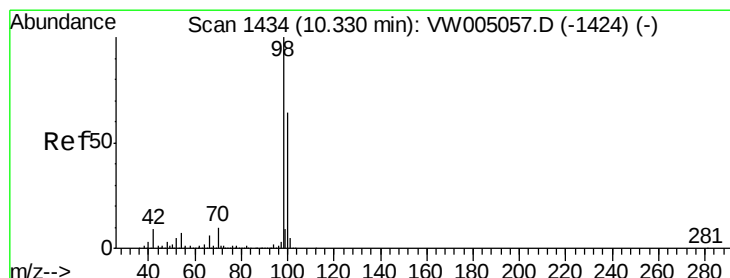
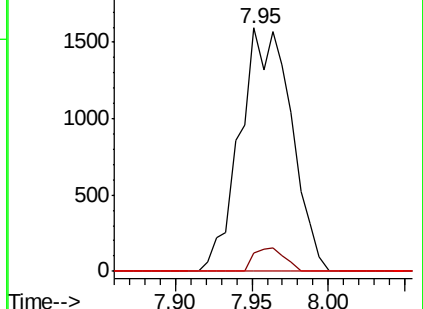
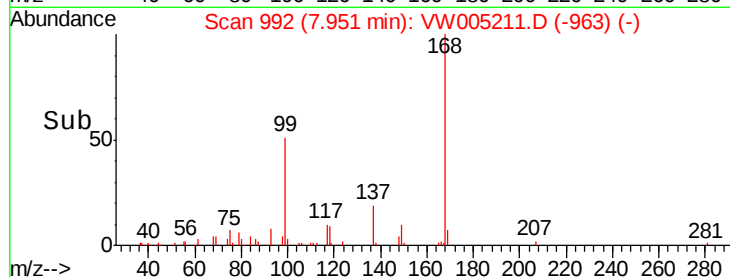
121 0.0 24.8 37.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 29.014 ug/l

RT: 10.34 min Scan# 1383

Delta R.T. 0.01 min

Lab File: VW005211.D

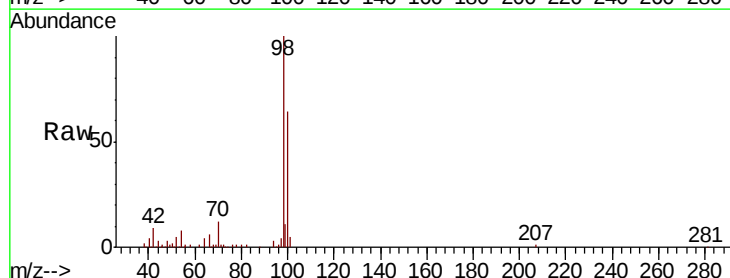
Acq: 07 Sep 2018 16:07

Tgt Ion: 98 Resp: 49955

Ion Ratio Lower Upper

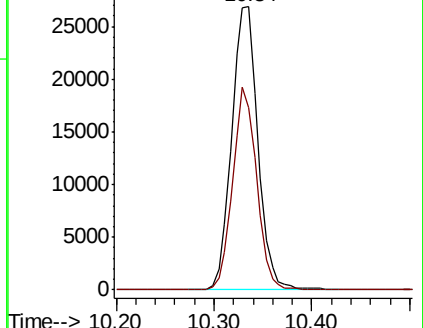
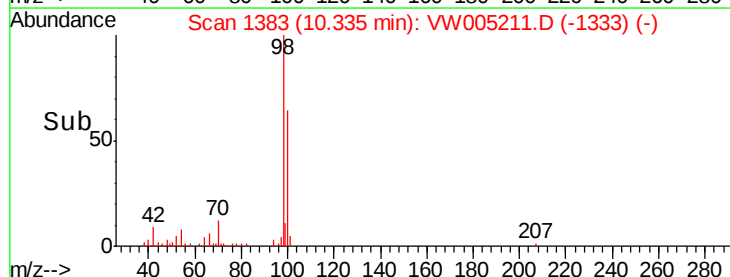
98 100

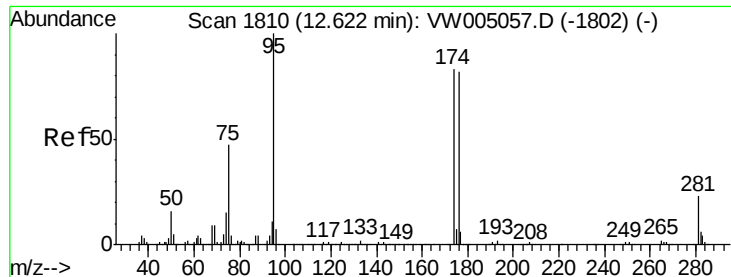
100 65.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

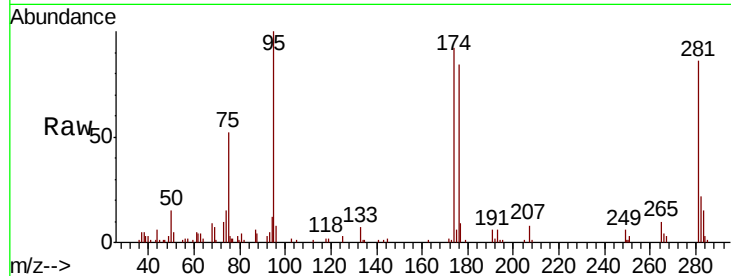




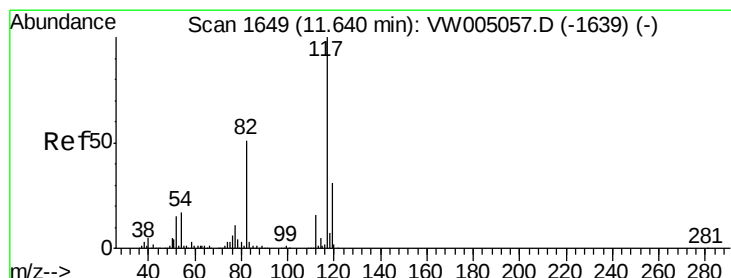
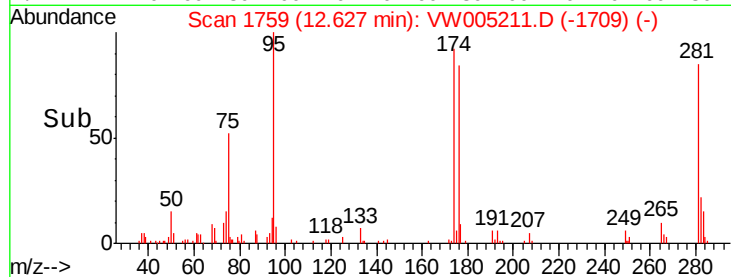
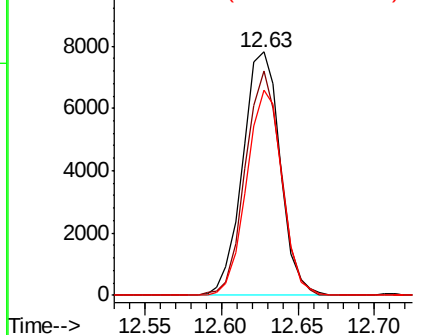
#62
4-Bromofluorobenzene
Concen: 21.945 ug/l
RT: 12.63 min Scan# 1759
Delta R.T. 0.01 min
Lab File: VW005211.D
Acq: 07 Sep 2018 16:07

Instrument :
MSVOA_W
ClientSampleId :
SB-10RE

Tgt Ion: 95 Resp: 13323
Ion Ratio Lower Upper
95 100
174 87.2 0.0 173.4
176 80.5 0.0 167.4

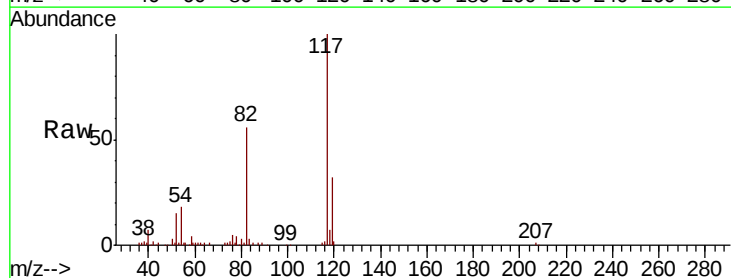


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

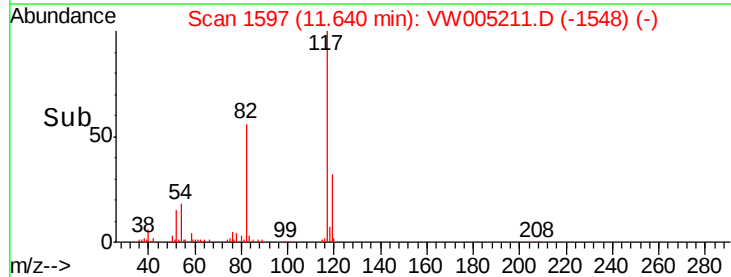
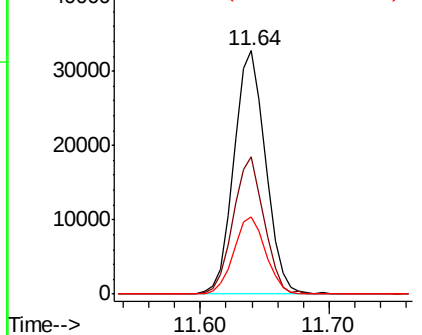


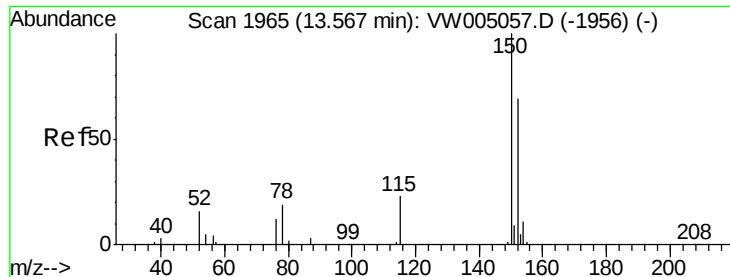
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VW005211.D
Acq: 07 Sep 2018 16:07

Tgt Ion: 117 Resp: 55839
Ion Ratio Lower Upper
117 100
82 56.5 40.9 61.3
119 31.8 24.9 37.3



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



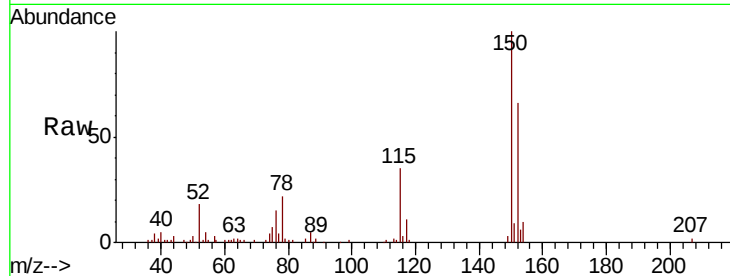


#72

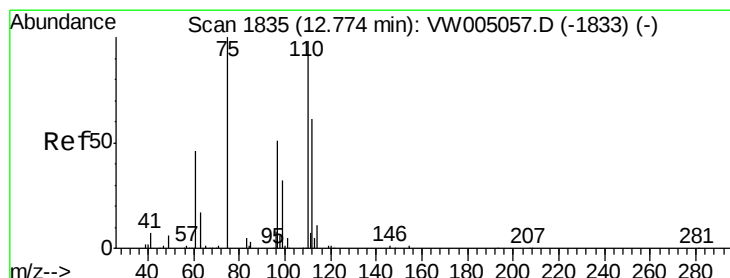
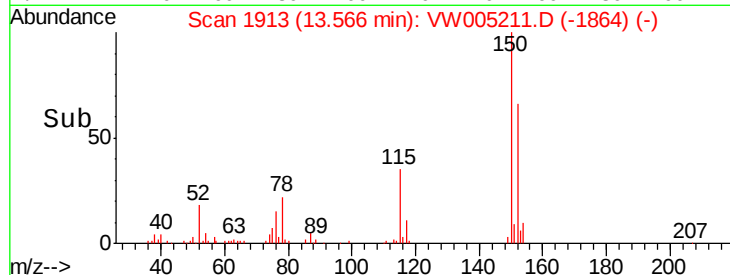
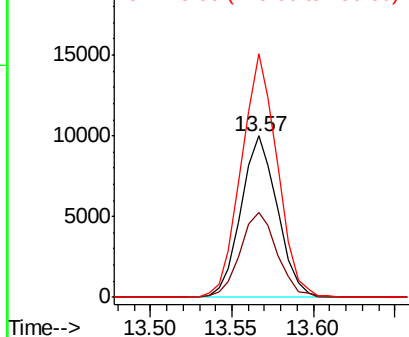
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005211.D
Acq: 07 Sep 2018 16:07

Instrument :
MSVOA_W
ClientSampleId :
SB-10RE

Tgt Ion:152 Resp: 15533
Ion Ratio Lower Upper
152 100
115 53.6 27.8 83.4
150 149.4 0.0 351.4



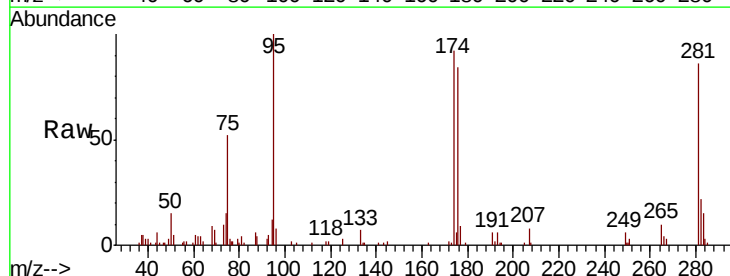
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



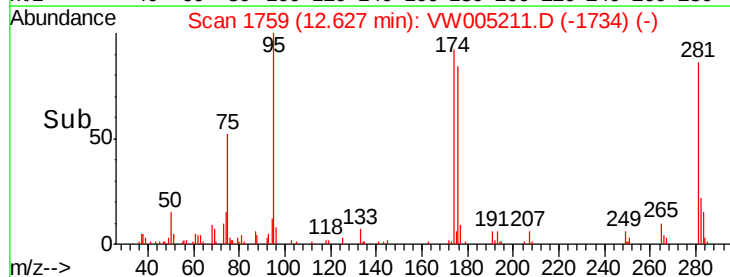
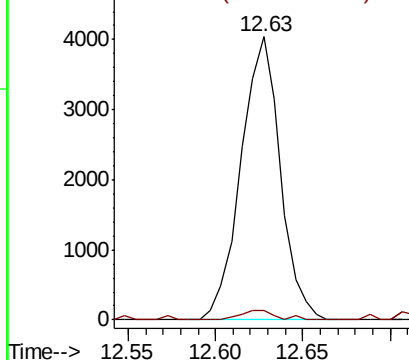
#76

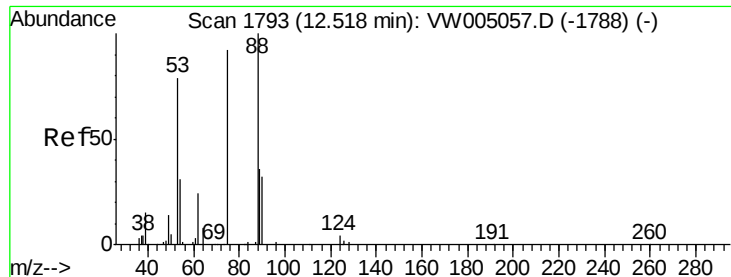
1,2,3-Trichloropropane
Concen: 54.051 ug/l
RT: 12.63 min Scan# 1759
Delta R.T. -0.15 min
Lab File: VW005211.D
Acq: 07 Sep 2018 16:07

Tgt Ion: 75 Resp: 6302
Ion Ratio Lower Upper
75 100
77 3.0 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: 130.094 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.11 min

Lab File: VW005211.D

Acq: 07 Sep 2018 16:07

Instrument :

MSVOA_W

ClientSampled :

SB-10RE

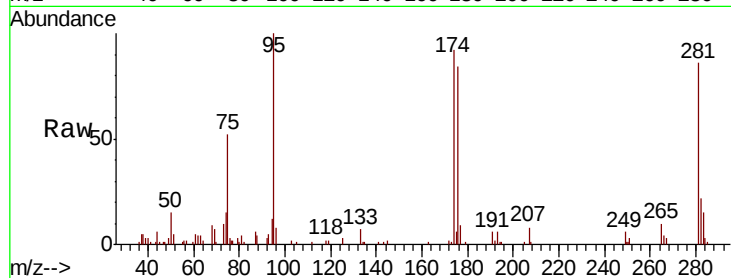
Tgt Ion: 75 Resp: 6302

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

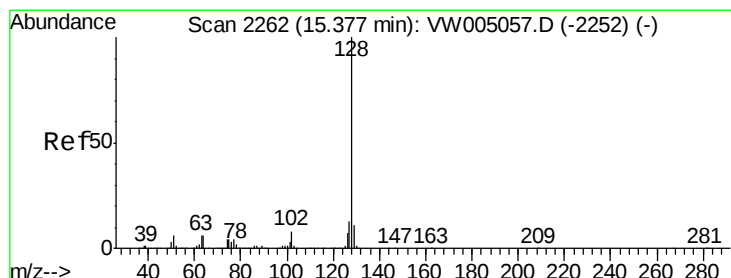
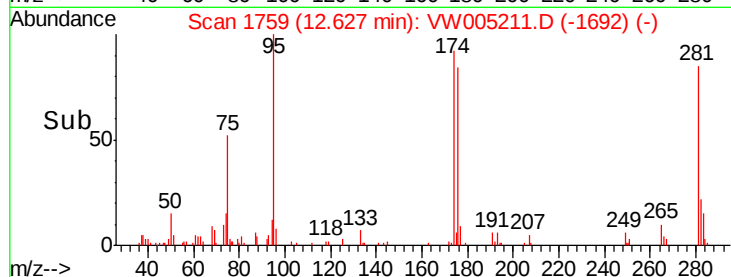
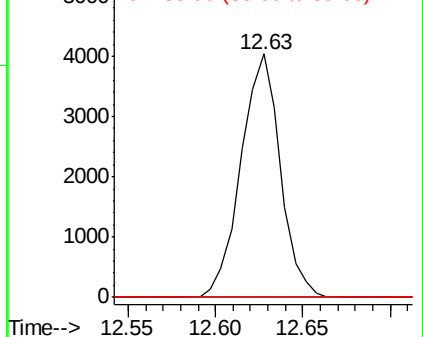
89 0.0 36.0 54.0#



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: 4.053 ug/l

RT: 15.39 min Scan# 2212

Delta R.T. 0.01 min

Lab File: VW005211.D

Acq: 07 Sep 2018 16:07

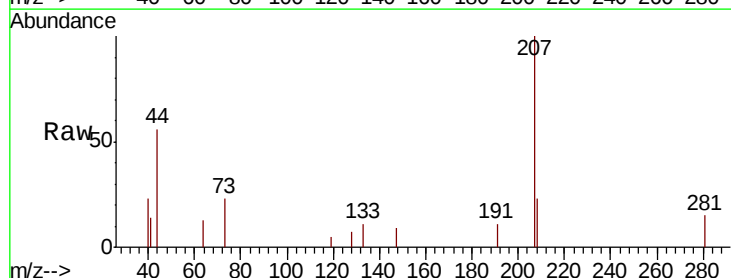
Tgt Ion: 128 Resp: 45

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 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

