

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091018\
 Data File : VW005256.D
 Acq On : 10 Sep 2018 22:10
 Operator : SY/AP
 Sample : J4782-01RE
 Misc : 4.70G/5ML/MSVOA_W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ENY-SB-03-60.5-61RE

Quant Time: Sep 11 03:53:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 03:48:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	280012	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	441285	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	427090	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	197186	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.32	65	111286	53.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.58%	
35) Dibromofluoromethane	7.89	113	104667	45.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.56%	
50) Toluene-d8	10.33	98	435412	37.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.56%	
62) 4-Bromofluorobenzene	12.63	95	145630	34.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	68.16%	

Target Compounds

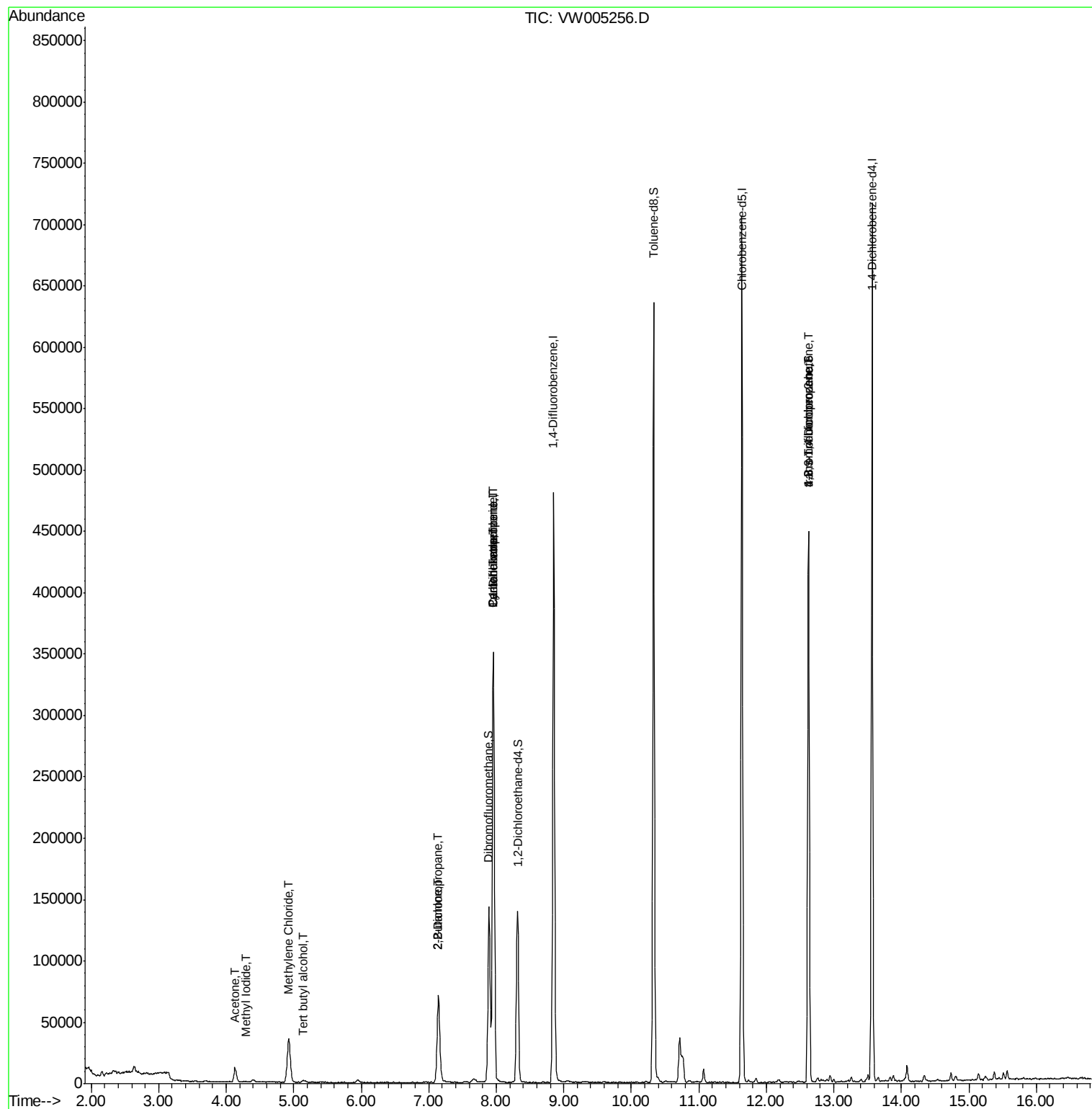
					Qvalue	
5) Bromomethane	2.79	94	819	Below Cal	#	73
10) Methyl Iodide	4.29	142	1090	3.668	ug/l #	81
11) Tert butyl alcohol	5.15	59	1330	7.765	ug/l #	73
16) Acetone	4.13	43	20440	52.727	ug/l	94
20) Methylene Chloride	4.93	84	30336	7.747	ug/l	96
25) 2-Butanone	7.15	43	4837	7.910	ug/l #	77
26) 2,2-Dichloropropane	7.15	77	5183	1.423	ug/l #	51
31) Cyclohexane	7.96	56	4916	1.100	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	19288	4.771	ug/l #	47
38) Carbon Tetrachloride	7.96	117	24647	6.508	ug/l #	16
76) 1,2,3-Trichloropropane	12.63	75	66759	44.017	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	66759	103.230	ug/l #	16

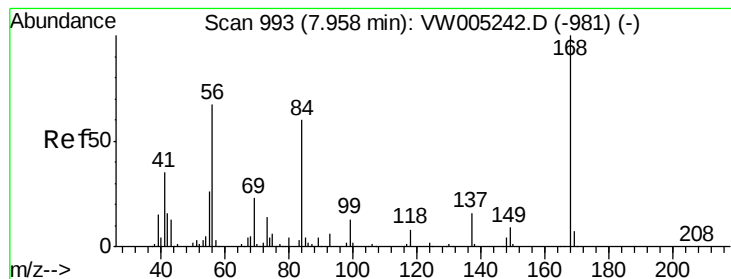
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW005256.D

Acq: 10 Sep 2018 22:10

Instrument :

MSVOA_W

ClientSampleId :

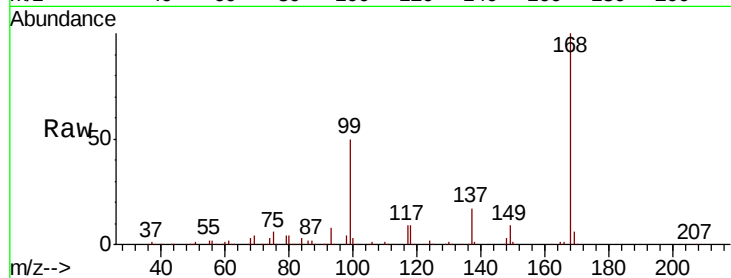
ENY-SB-03-60.5-61RE

Tgt Ion:168 Resp: 280012

Ion Ratio Lower Upper

168 100

99 50.4 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

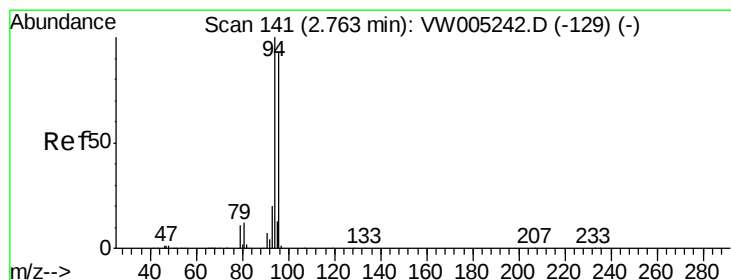
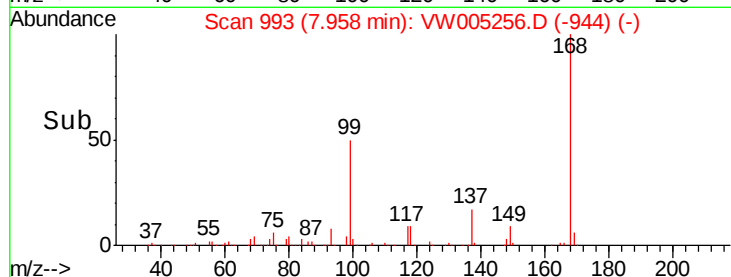
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 145

Delta R.T. 0.02 min

Lab File: VW005256.D

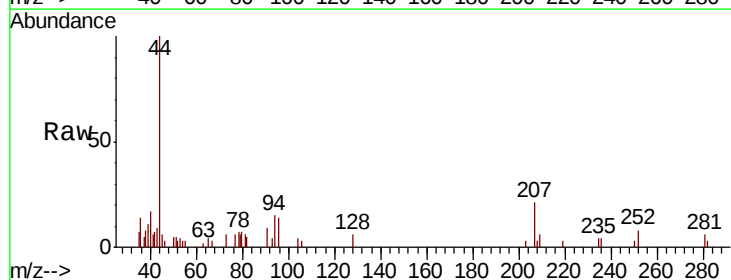
Acq: 10 Sep 2018 22:10

Tgt Ion: 94 Resp: 819

Ion Ratio Lower Upper

94 100

96 66.8 74.1 111.1#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.79

400

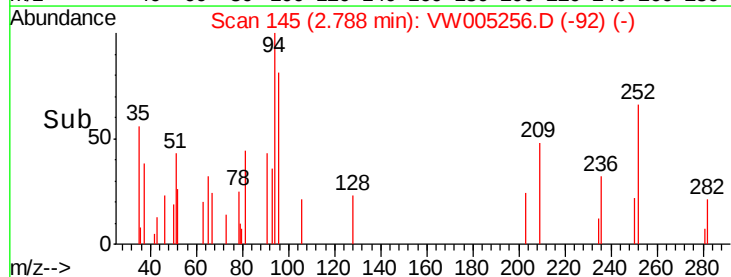
300

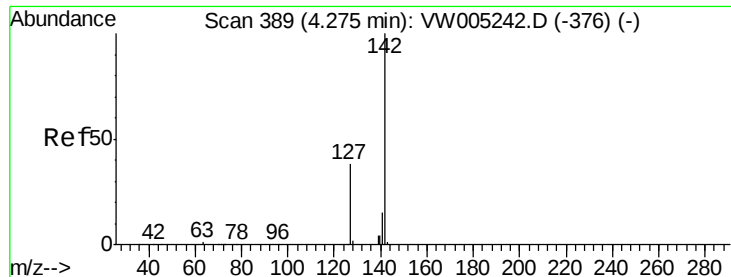
200

100

0

Time-->

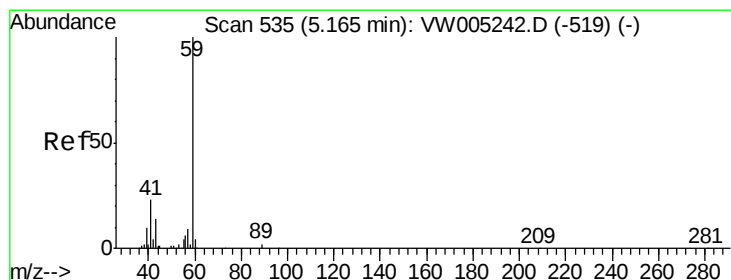
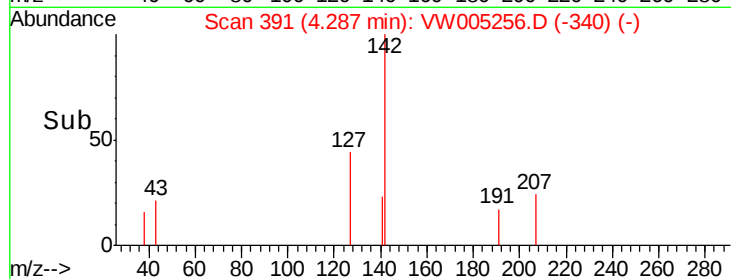
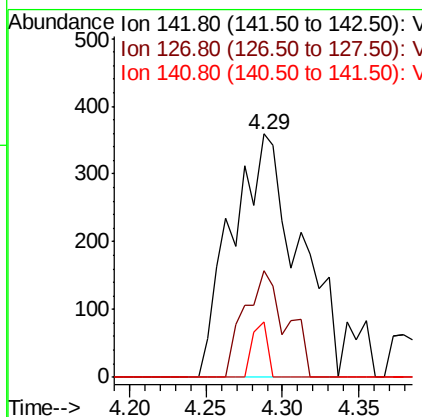
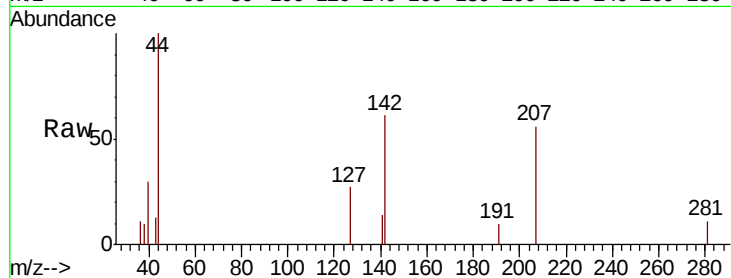




#10
Methyl Iodide
Concen: 3.668 ug/l
RT: 4.29 min Scan# 391
Delta R.T. 0.01 min
Lab File: VW005256.D
Acq: 10 Sep 2018 22:10

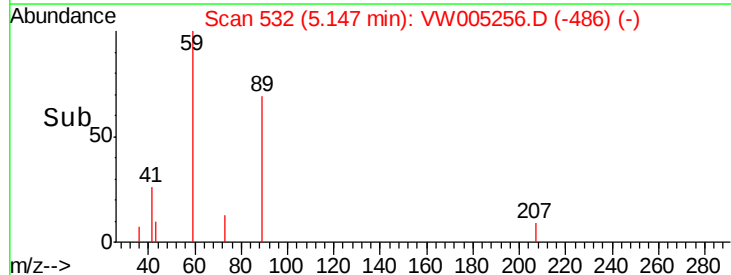
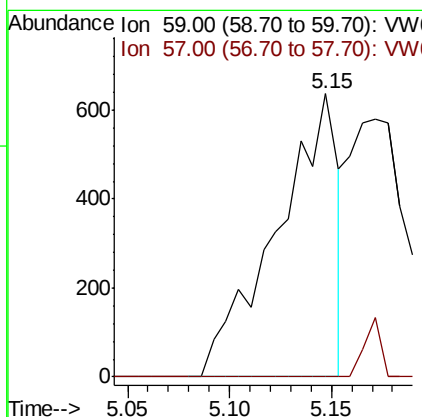
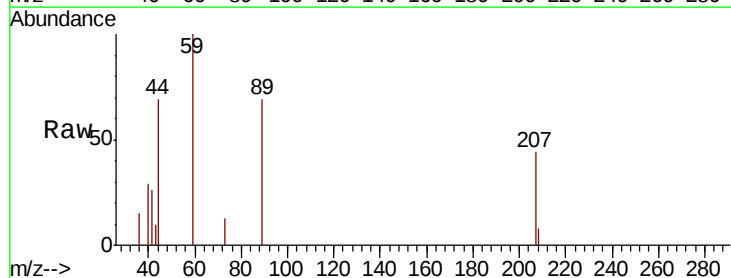
Instrument :
MSVOA_W
ClientSampleId :
ENY-SB-03-60.5-61RE

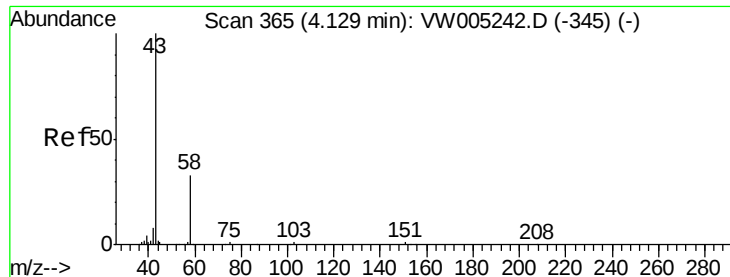
Tgt Ion: 142 Resp: 1090
Ion Ratio Lower Upper
142 100
127 27.3 30.3 45.5#
141 5.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 7.765 ug/l
RT: 5.15 min Scan# 532
Delta R.T. -0.02 min
Lab File: VW005256.D
Acq: 10 Sep 2018 22:10

Tgt Ion: 59 Resp: 1330
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#16

Acetone

Concen: 52.727 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW005256.D

Acq: 10 Sep 2018 22:10

Instrument :

MSVOA_W

ClientSampleId :

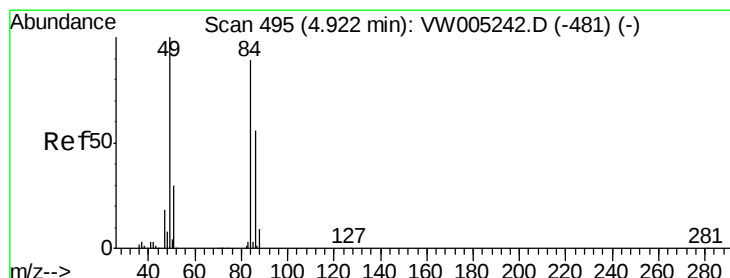
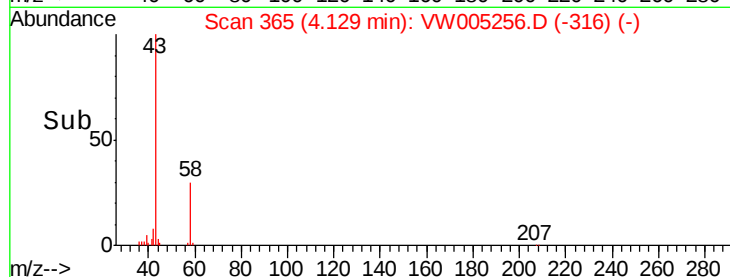
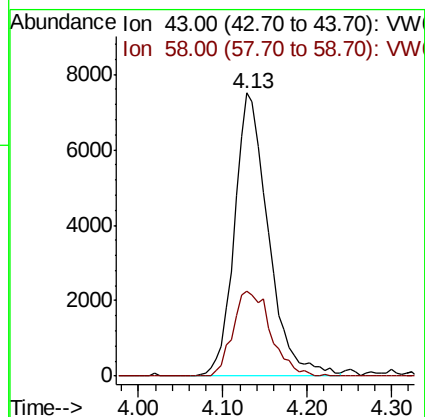
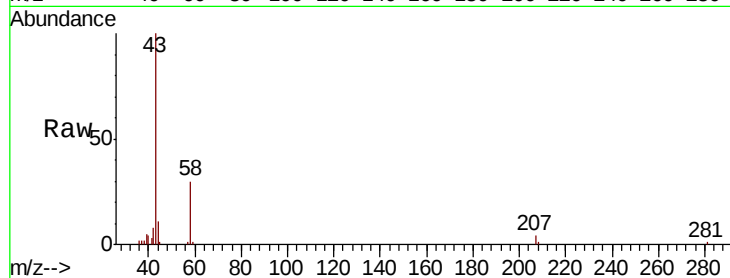
ENY-SB-03-60.5-61RE

Tgt Ion: 43 Resp: 20440

Ion Ratio Lower Upper

43 100

58 29.9 26.7 40.1



#20

Methylene Chloride

Concen: 7.747 ug/l

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW005256.D

Acq: 10 Sep 2018 22:10

Tgt Ion: 84 Resp: 30336

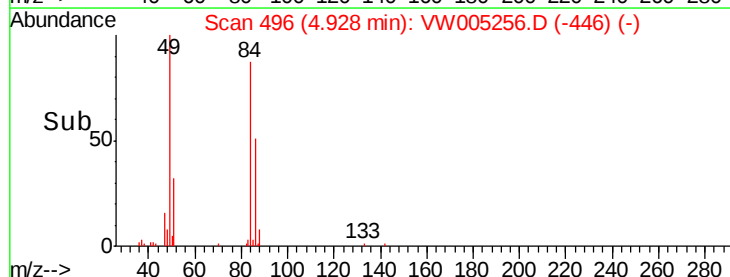
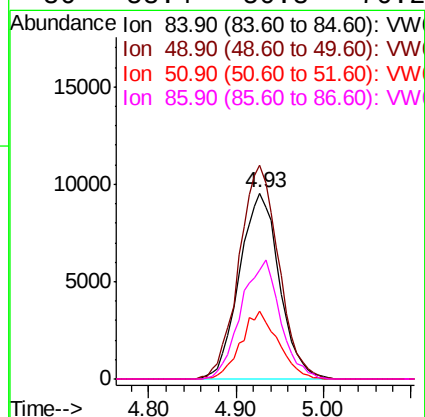
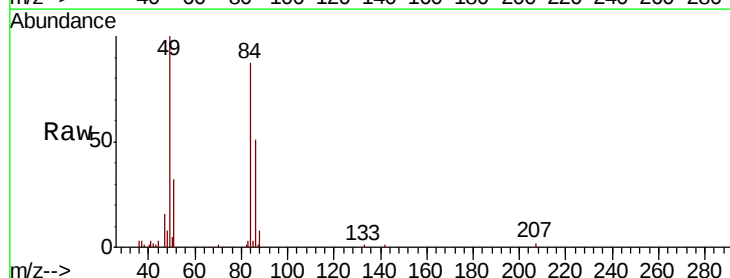
Ion Ratio Lower Upper

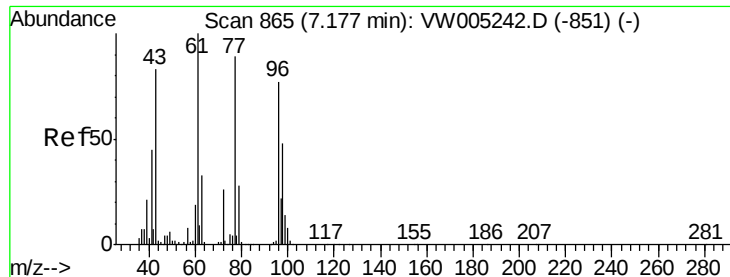
84 100

49 114.9 90.3 135.5

51 36.8 26.9 40.3

86 58.4 50.8 76.2





#25

2-Butanone

Concen: 7.910 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.03 min

Lab File: VW005256.D

Acq: 10 Sep 2018 22:10

Instrument :

MSVOA_W

ClientSampleId :

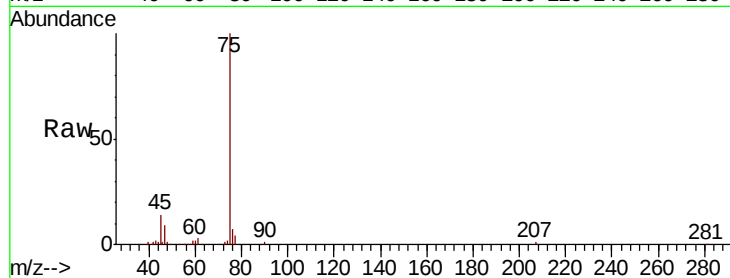
ENY-SB-03-60.5-61RE

Tgt Ion: 43 Resp: 4837

Ion Ratio Lower Upper

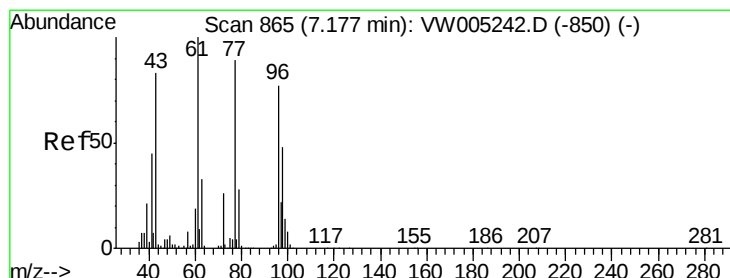
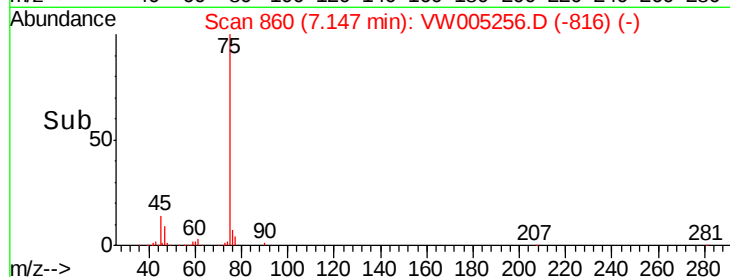
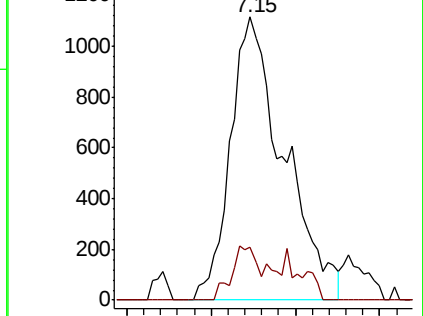
43 100

72 18.7 25.0 37.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 1.423 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.03 min

Lab File: VW005256.D

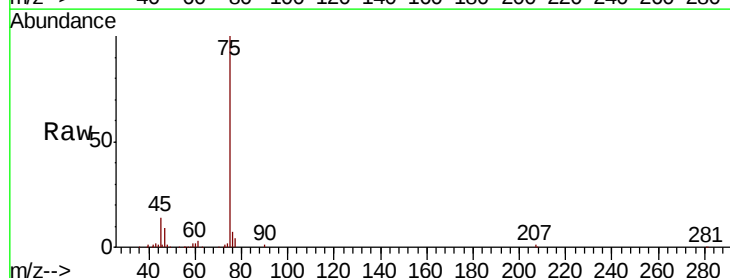
Acq: 10 Sep 2018 22:10

Tgt Ion: 77 Resp: 5183

Ion Ratio Lower Upper

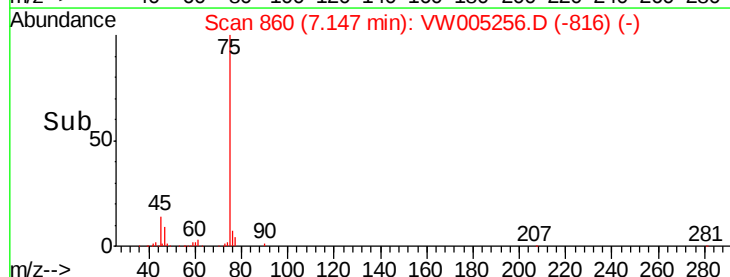
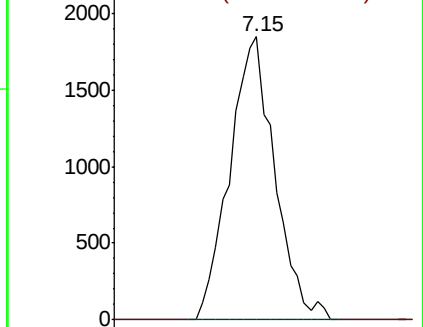
77 100

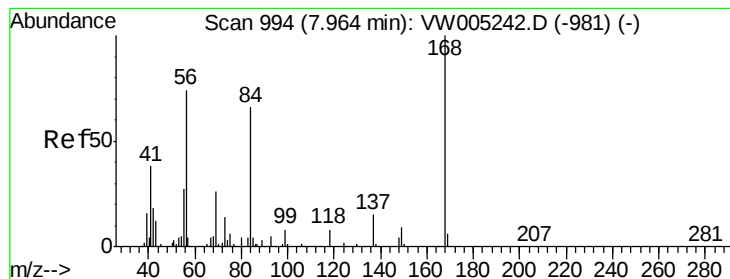
97 0.0 12.2 36.6#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#31

Cyclohexane

Concen: 1.100 ug/l

RT: 7.96 min Scan# 994

Delta R.T. -0.00 min

Lab File: VW005256.D

Acq: 10 Sep 2018 22:10

Instrument :

MSVOA_W

ClientSampleId :

ENY-SB-03-60.5-61RE

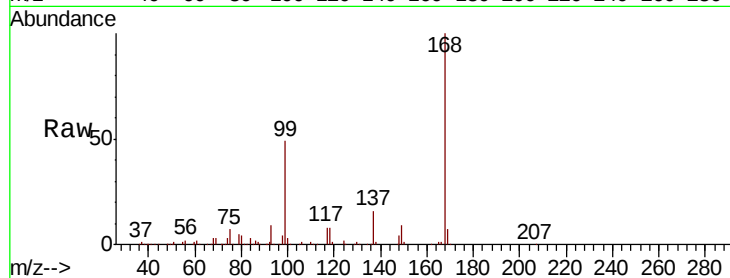
Tgt Ion: 56 Resp: 4916

Ion Ratio Lower Upper

56 100

69 183.9 27.8 41.8#

84 176.0 72.1 108.1#

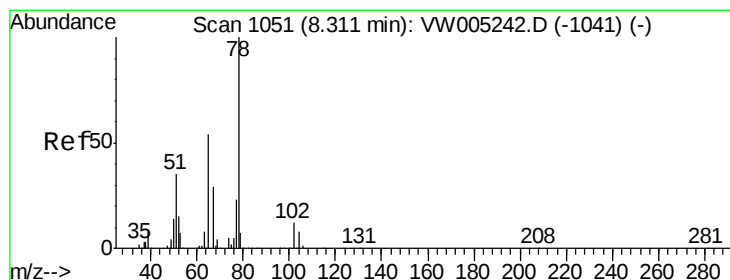
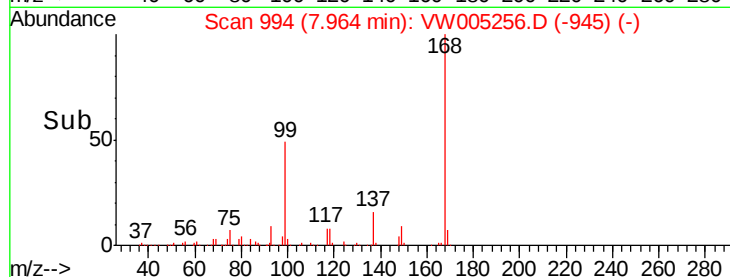
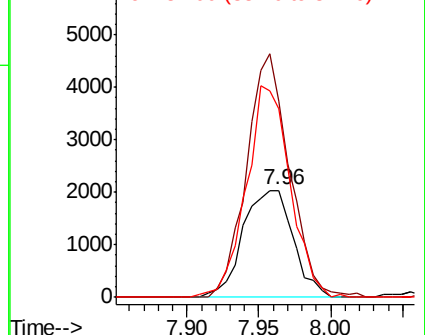


Abundance

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: 53.285 ug/l

RT: 8.32 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VW005256.D

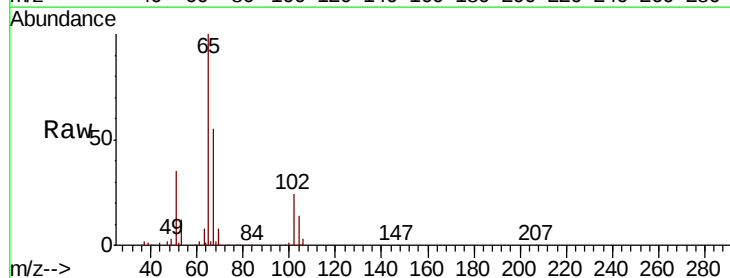
Acq: 10 Sep 2018 22:10

Tgt Ion: 65 Resp: 111286

Ion Ratio Lower Upper

65 100

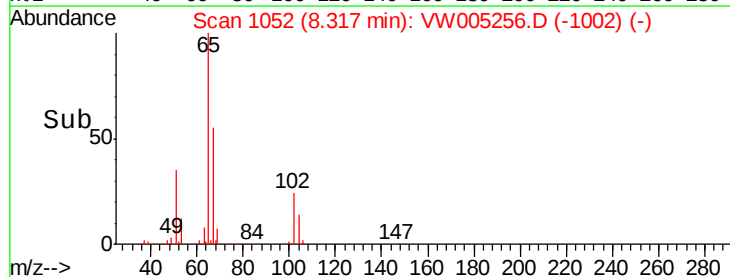
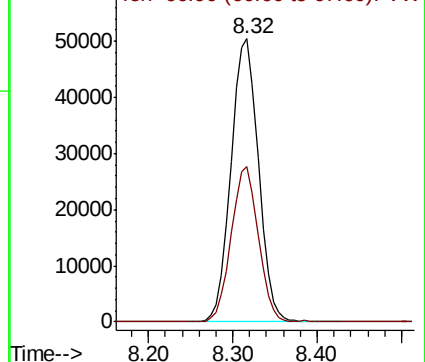
67 54.2 0.0 112.2

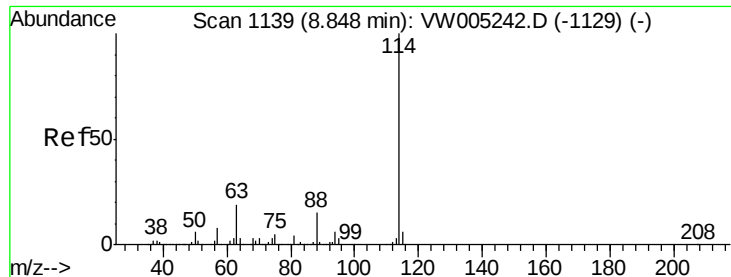


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

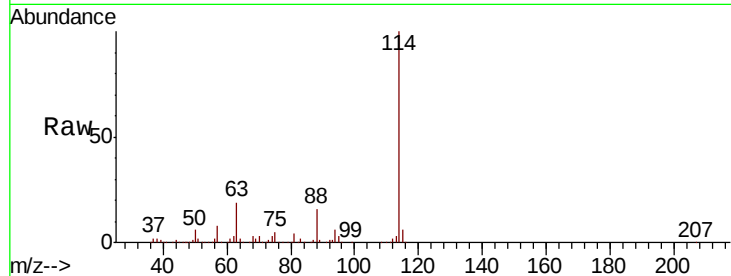




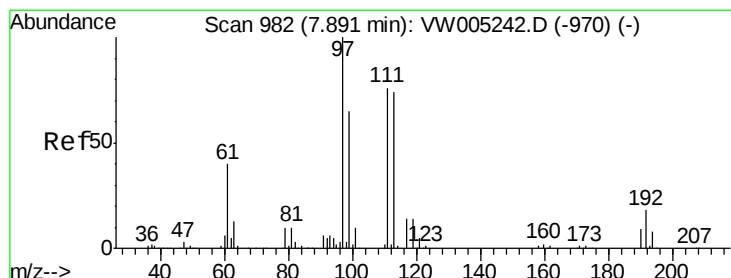
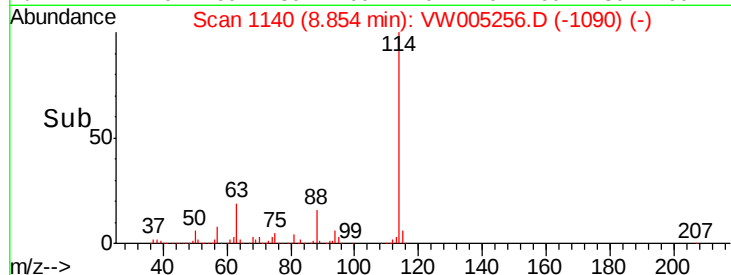
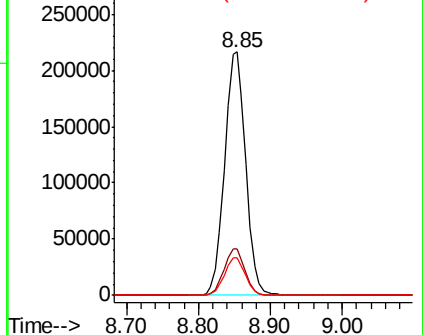
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1140
 Delta R.T. 0.01 min
 Lab File: VW005256.D
 Acq: 10 Sep 2018 22:10

Instrument :
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 ENY-SB-03-60.5-61RE

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	37.0
88	15.5	0.0	30.4

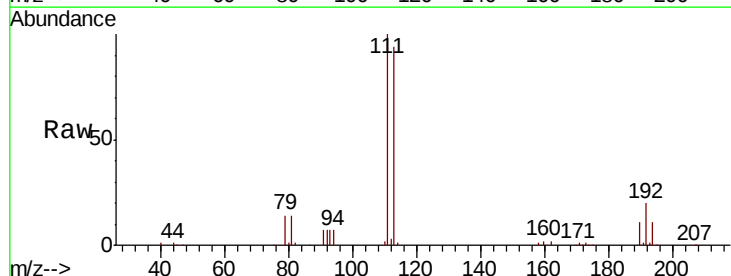


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

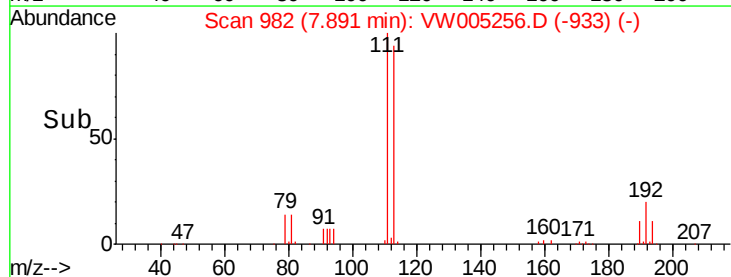
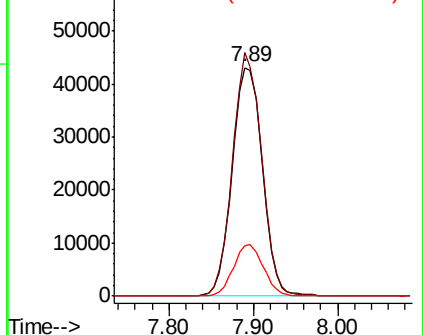


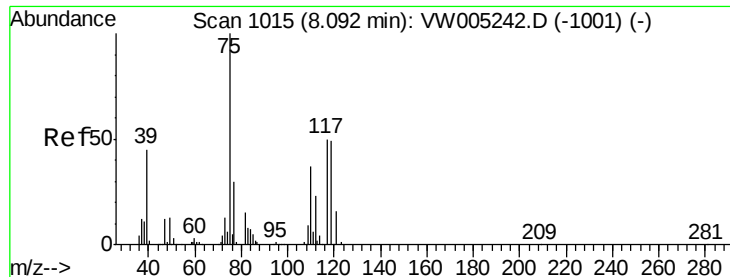
#35
 Dibromofluoromethane
 Concen: 45.279 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005256.D
 Acq: 10 Sep 2018 22:10

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	80.6	121.0
192	22.1	18.3	27.5



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

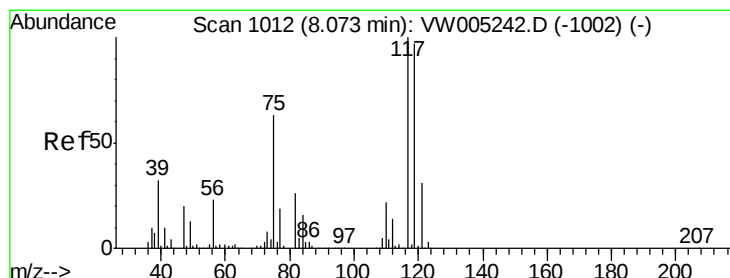
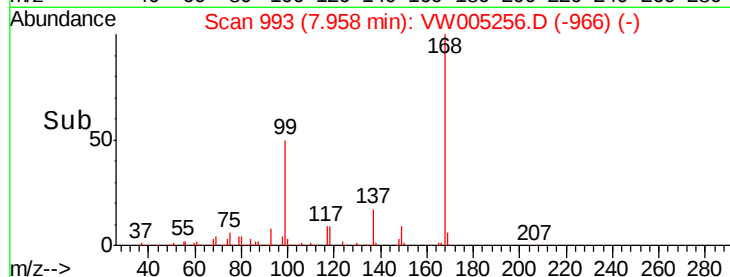
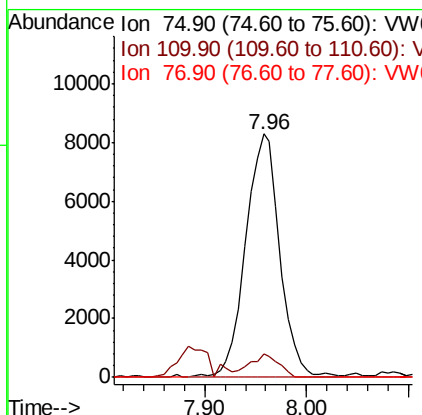
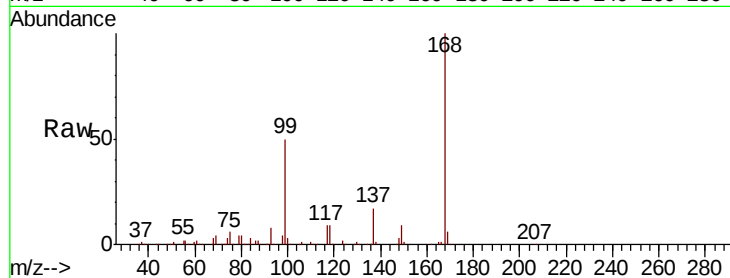




#36
 1,1-Dichloropropene
 Concen: 4.771 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW005256.D
 Acq: 10 Sep 2018 22:10

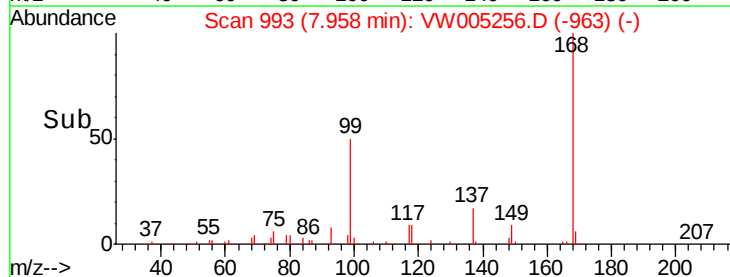
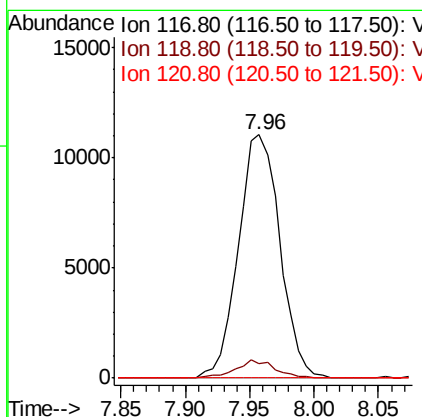
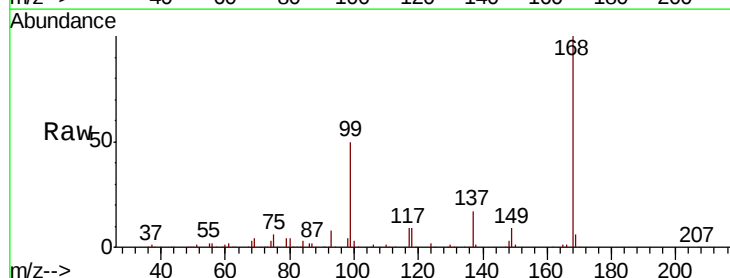
Instrument :
 MSVOA_W
 ClientSampleId :
 ENY-SB-03-60.5-61RE

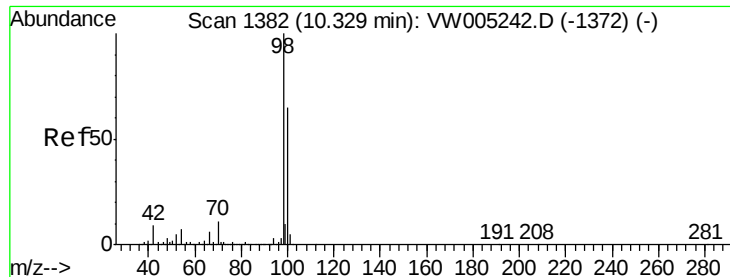
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	18.8	56.4#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.508 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VW005256.D
 Acq: 10 Sep 2018 22:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	77.5	116.3#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 37.275 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005256.D

Acq: 10 Sep 2018 22:10

Instrument :

MSVOA_W

ClientSampleId :

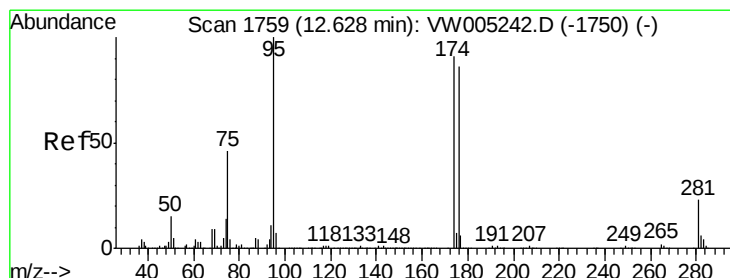
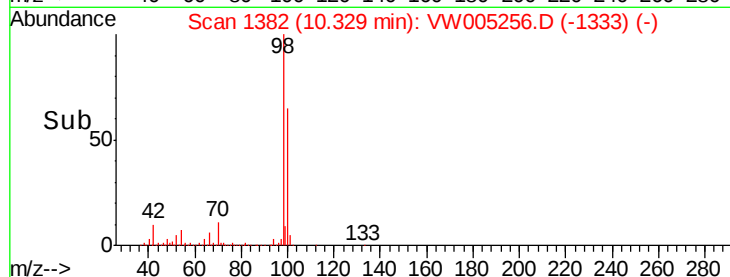
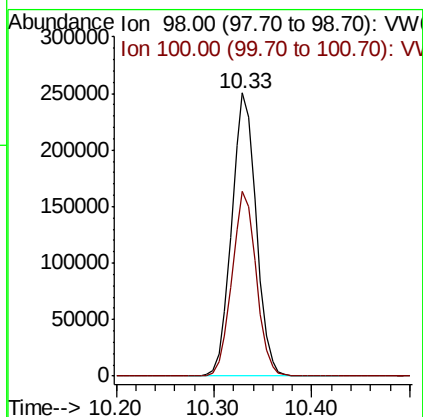
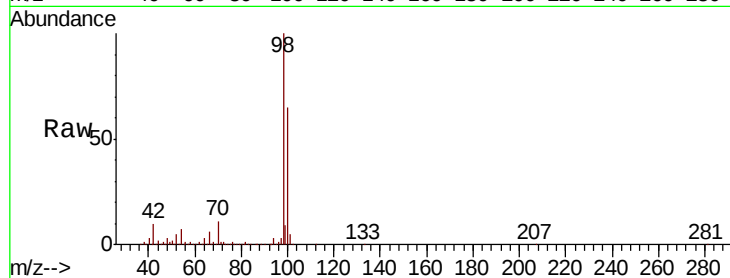
ENY-SB-03-60.5-61RE

Tgt Ion: 98 Resp: 435412

Ion Ratio Lower Upper

98 100

100 64.5 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 34.085 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. -0.00 min

Lab File: VW005256.D

Acq: 10 Sep 2018 22:10

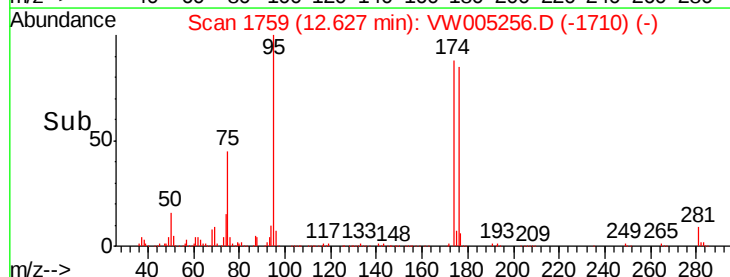
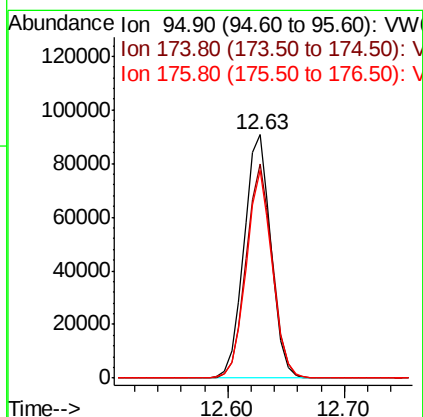
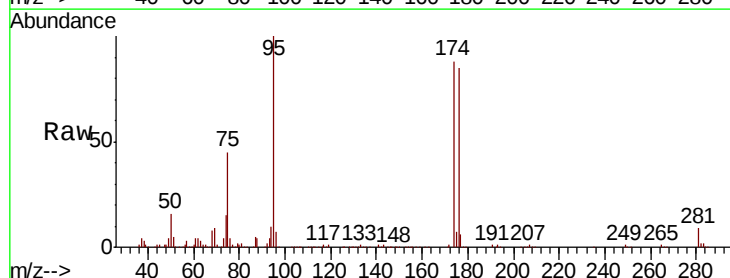
Tgt Ion: 95 Resp: 145630

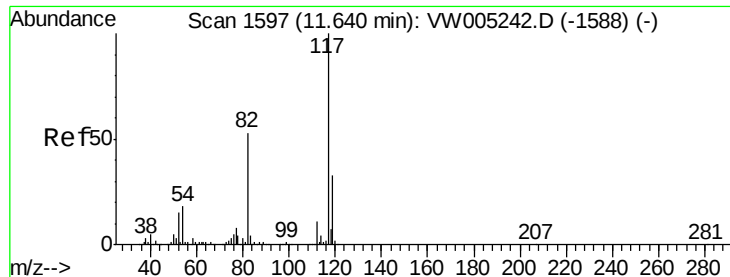
Ion Ratio Lower Upper

95 100

174 86.2 0.0 174.6

176 82.7 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VW005256.D

Acq: 10 Sep 2018 22:10

Instrument :

MSVOA_W

ClientSampleId :

ENY-SB-03-60.5-61RE

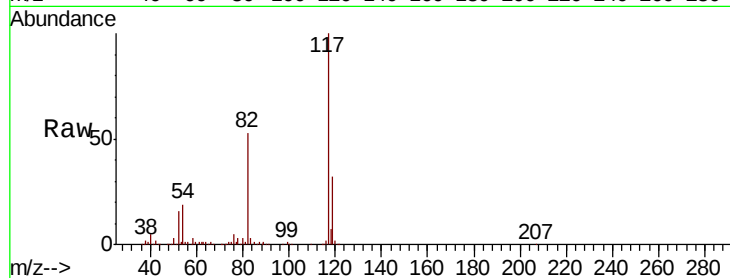
Tgt Ion:117 Resp: 427090

Ion Ratio Lower Upper

117 100

82 53.0 42.6 63.8

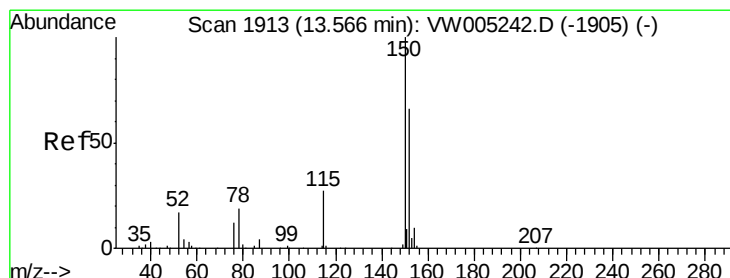
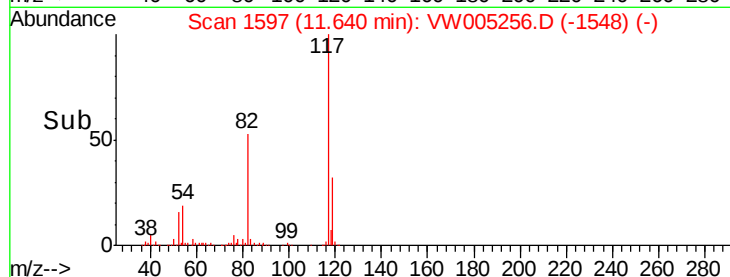
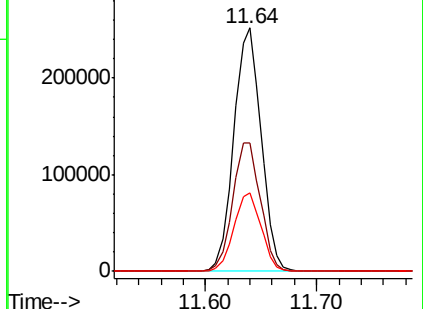
119 32.5 26.2 39.4



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005256.D

Acq: 10 Sep 2018 22:10

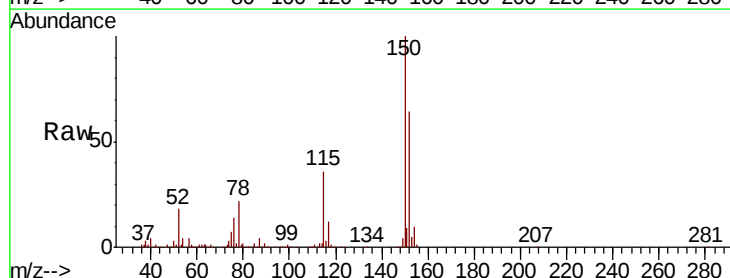
Tgt Ion:152 Resp: 197186

Ion Ratio Lower Upper

152 100

115 56.8 27.5 82.4

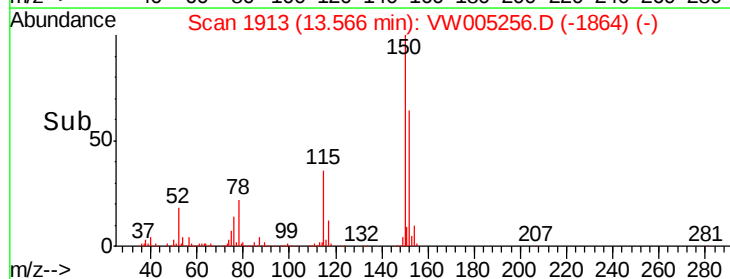
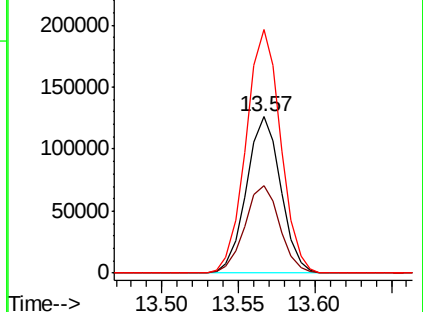
150 156.7 0.0 347.4

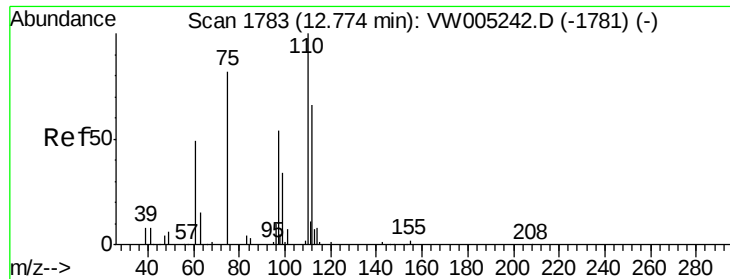


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

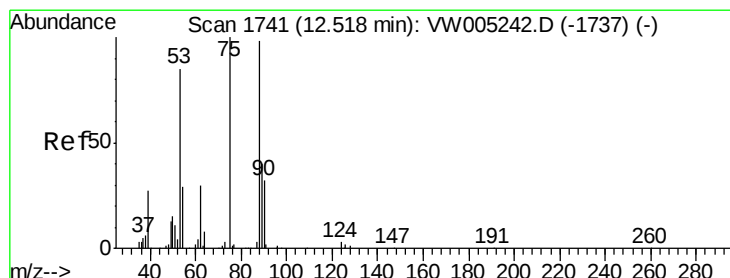
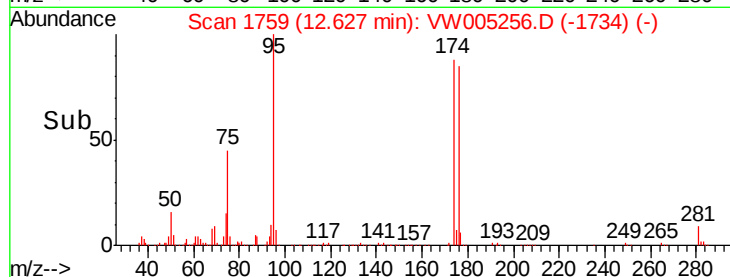
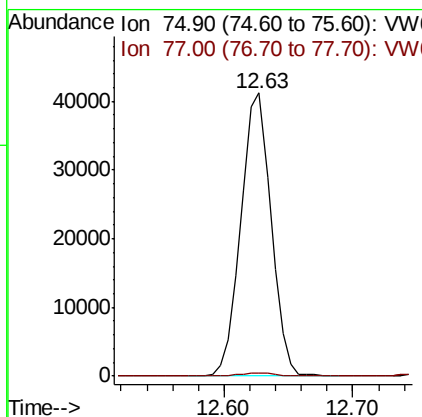
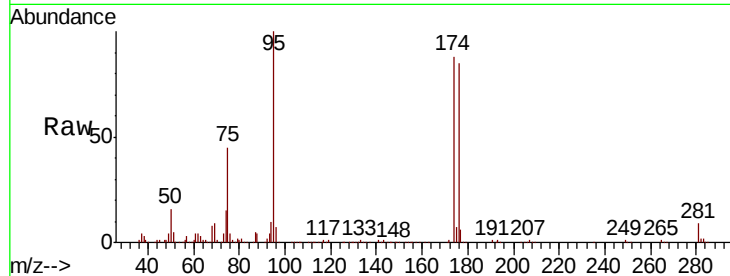




#76
 1,2,3-Trichloropropane
 Concen: 44.017 ug/l
 RT: 12.63 min Scan# 1759
 Delta R.T. -0.15 min
 Lab File: VW005256.D
 Acq: 10 Sep 2018 22:10

Instrument :
 MSVOA_W
 ClientSampleId :
 ENY-SB-03-60.5-61RE

Tgt Ion: 75 Resp: 66759
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 103.230 ug/l
 RT: 12.63 min Scan# 1759
 Delta R.T. 0.11 min
 Lab File: VW005256.D
 Acq: 10 Sep 2018 22:10

Tgt Ion: 75 Resp: 66759
 Ion Ratio Lower Upper
 75 100
 53 0.2 67.0 100.6#
 89 0.0 37.0 55.4#

