

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090618\
 Data File : VW005173.D
 Acq On : 06 Sep 2018 19:16
 Operator : SY/AP
 Sample : J4687-05RE
 Misc : 2.95G/5ML/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ENY-BC-2-2.5RE

Quant Time: Sep 07 01:05:38 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

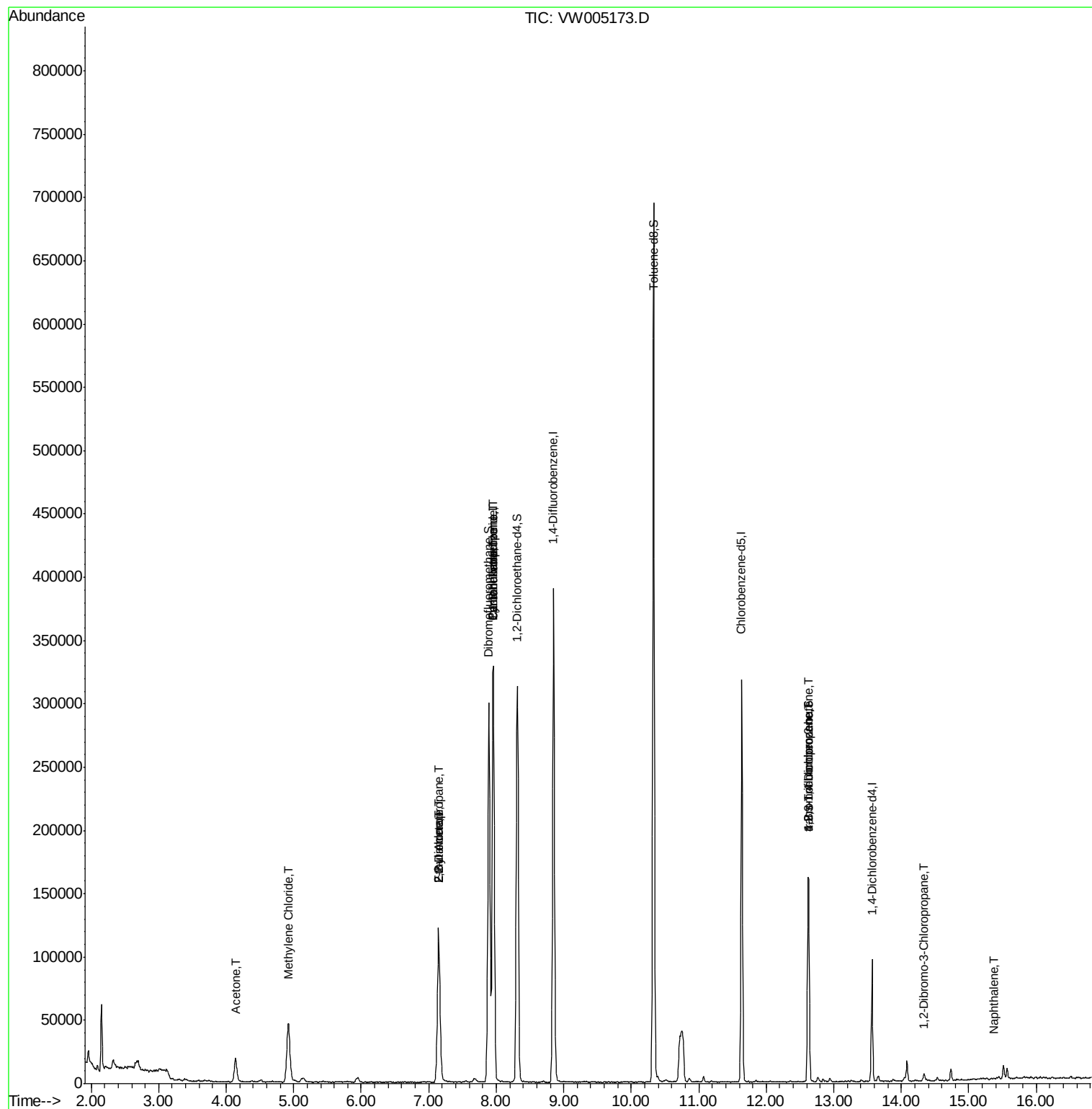
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	266479	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	340594	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	190748	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	26247	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	244692	110.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	221.54%	
35) Dibromofluoromethane	7.89	113	218923	111.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	222.46%	
50) Toluene-d8	10.33	98	477498	52.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.30%	
62) 4-Bromofluorobenzene	12.63	95	45235	14.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	28.30%	
Target Compounds						
5) Bromomethane	2.78	94	726	Below Cal		91
11) Tert butyl alcohol	5.13	59	3414	Below Cal	#	72
16) Acetone	4.14	43	32904	74.274	ug/l	95
20) Methylene Chloride	4.92	84	38952	9.893	ug/l	99
25) 2-Butanone	7.15	43	7307	9.509	ug/l	91
26) 2,2-Dichloropropane	7.15	77	8432	2.316	ug/l #	51
31) Cyclohexane	7.96	56	4822	1.111	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18231	5.620	ug/l #	47
37) Ethyl Acetate	7.15	43	7307	6.023	ug/l #	1
38) Carbon Tetrachloride	7.96	117	23205	7.523	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	21327	108.250	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	21327	260.546	ug/l #	15
92) 1,2-Dibromo-3-Chloropropan	14.33	75	171	3.884	ug/l #	1
95) Naphthalene	15.38	128	496	4.462	ug/l #	81

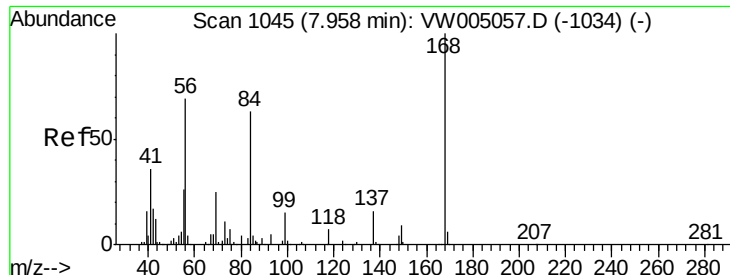
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW005173.D

Acq: 06 Sep 2018 19:16

Instrument :

MSVOA_W

ClientSampleId :

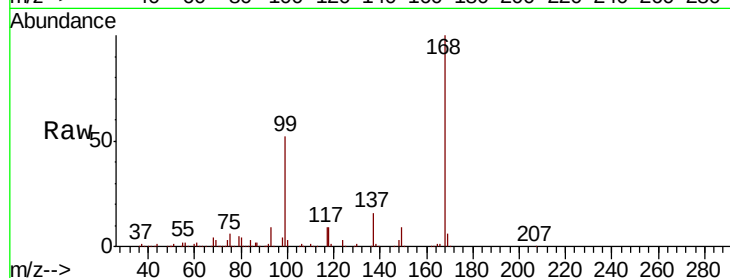
ENY-BC-2-2.5RE

Tgt Ion:168 Resp: 266479

Ion Ratio Lower Upper

168 100

99 51.8 39.4 59.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

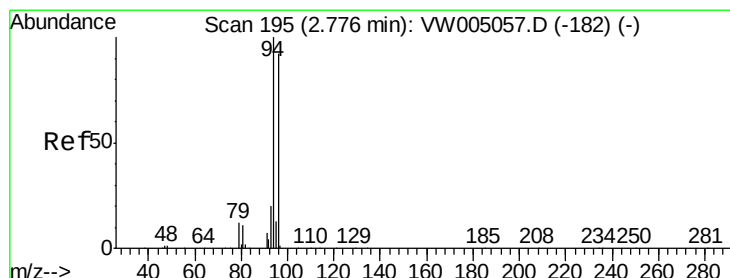
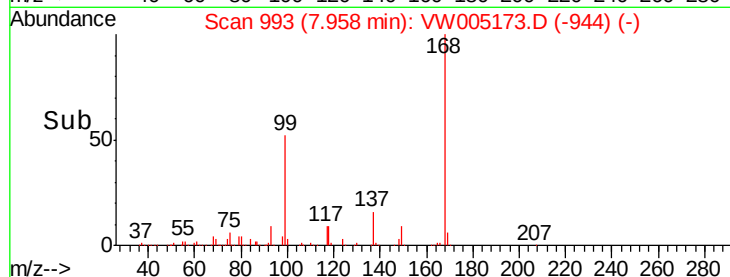
7.96

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW005173.D

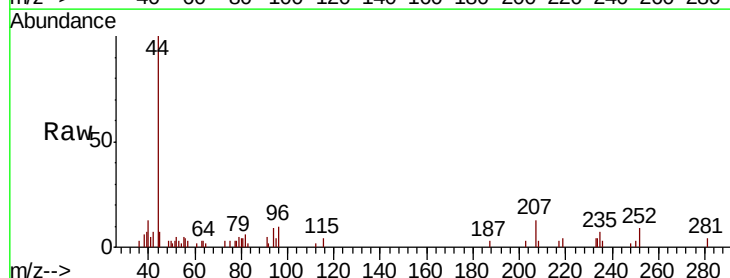
Acq: 06 Sep 2018 19:16

Tgt Ion: 94 Resp: 726

Ion Ratio Lower Upper

94 100

96 83.2 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.78

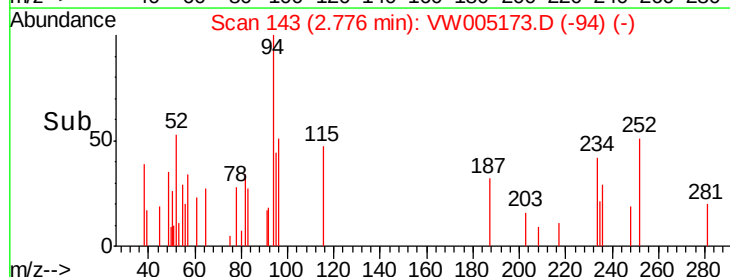
300

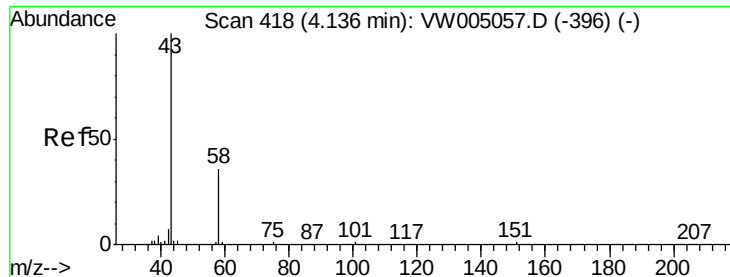
200

100

0

Time-->





#16

Acetone

Concen: 74.274 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW005173.D

Acq: 06 Sep 2018 19:16

Instrument :

MSVOA_W

ClientSampleId :

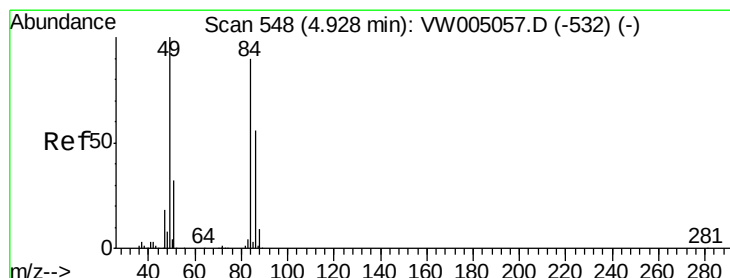
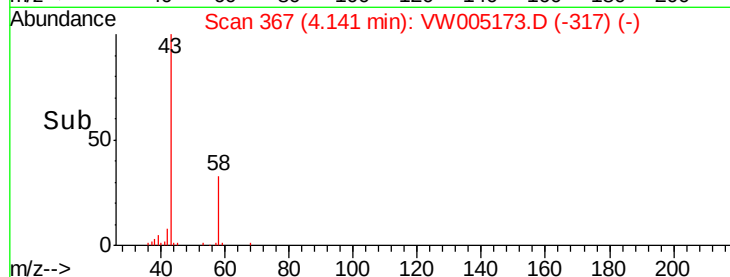
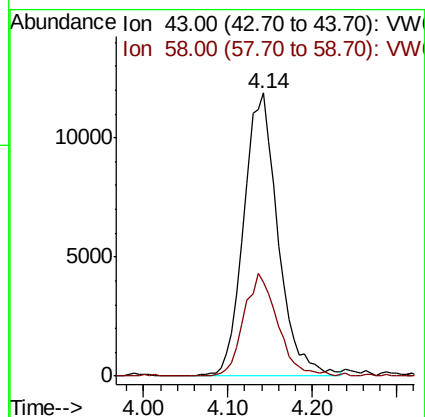
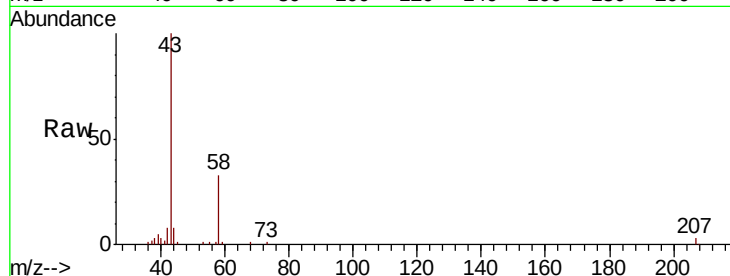
ENY-BC-2-2.5RE

Tgt Ion: 43 Resp: 32904

Ion Ratio Lower Upper

43 100

58 33.1 29.0 43.6



#20

Methylene Chloride

Concen: 9.893 ug/l

RT: 4.92 min Scan# 495

Delta R.T. -0.01 min

Lab File: VW005173.D

Acq: 06 Sep 2018 19:16

Tgt Ion: 84 Resp: 38952

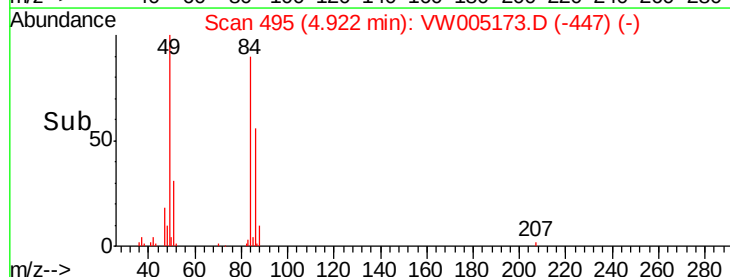
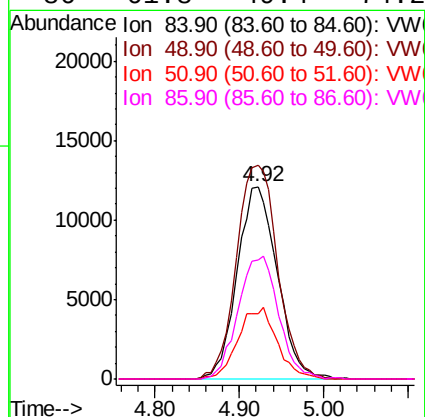
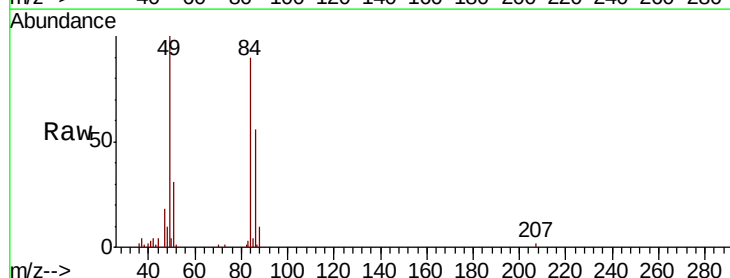
Ion Ratio Lower Upper

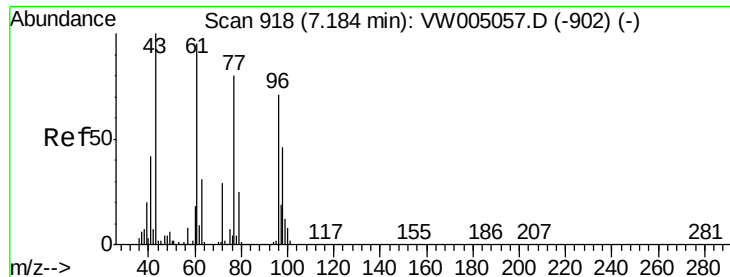
84 100

49 111.0 88.7 133.1

51 34.0 28.6 42.8

86 61.8 49.4 74.2





#25

2-Butanone

Concen: 9.509 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.04 min

Lab File: VW005173.D

Acq: 06 Sep 2018 19:16

Instrument :

MSVOA_W

ClientSampleId :

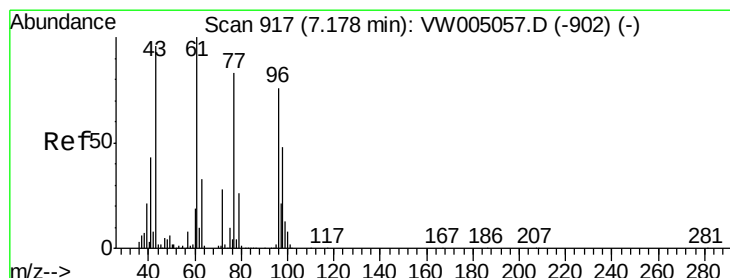
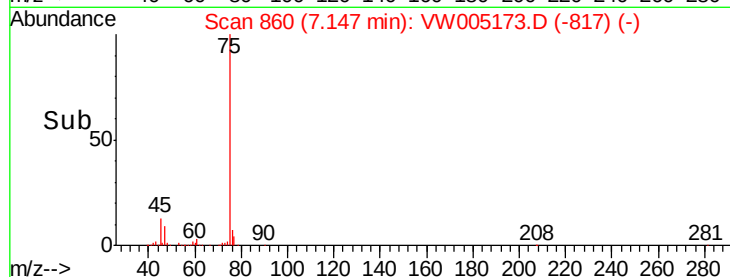
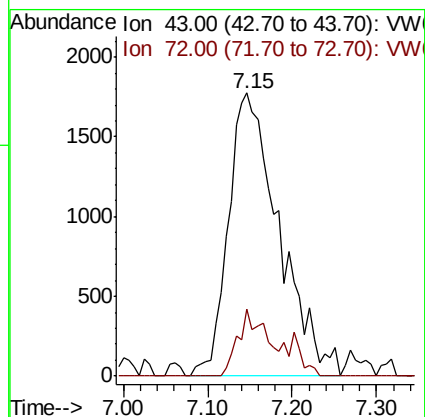
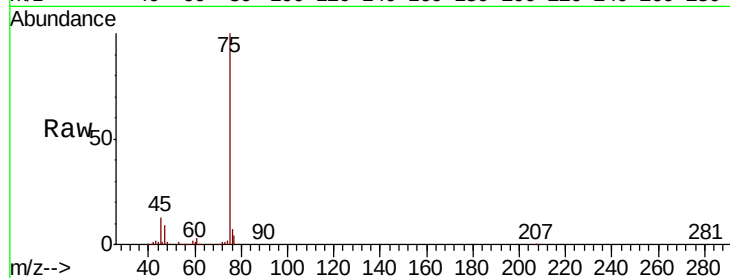
ENY-BC-2-2.5RE

Tgt Ion: 43 Resp: 7307

Ion Ratio Lower Upper

43 100

72 23.9 23.1 34.7



#26

2,2-Dichloropropane

Concen: 2.316 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.03 min

Lab File: VW005173.D

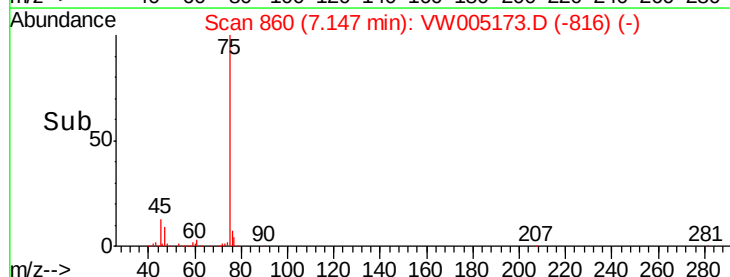
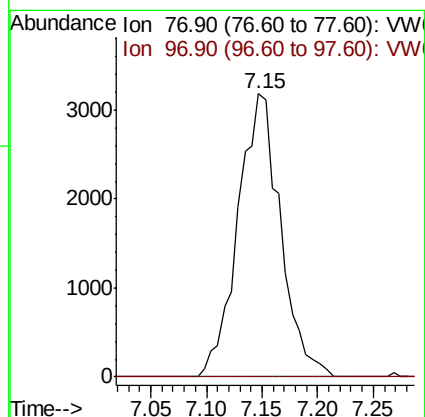
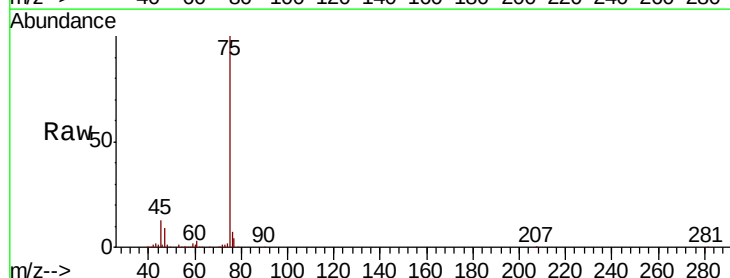
Acq: 06 Sep 2018 19:16

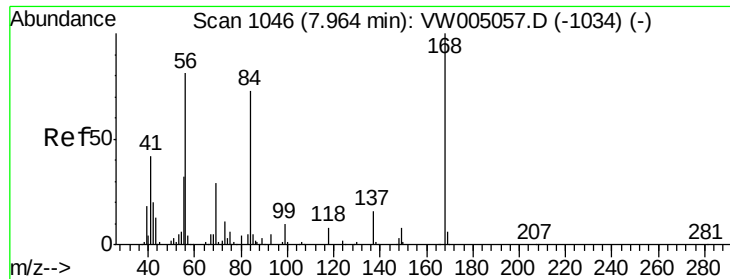
Tgt Ion: 77 Resp: 8432

Ion Ratio Lower Upper

77 100

97 0.0 12.2 36.6#

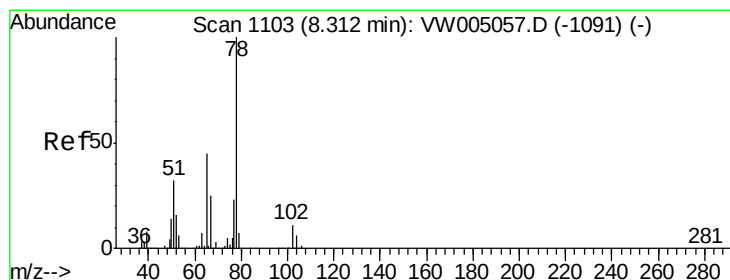
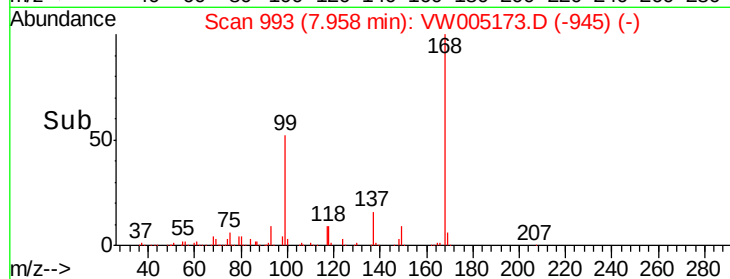
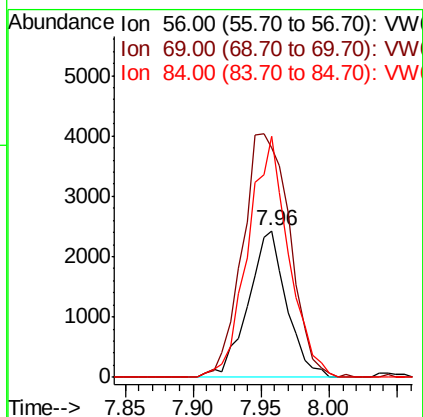
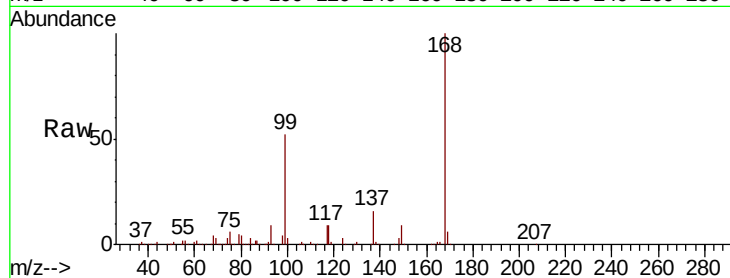




#31
Cyclohexane
Concen: 1.111 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.01 min
Lab File: VW005173.D
Acq: 06 Sep 2018 19:16

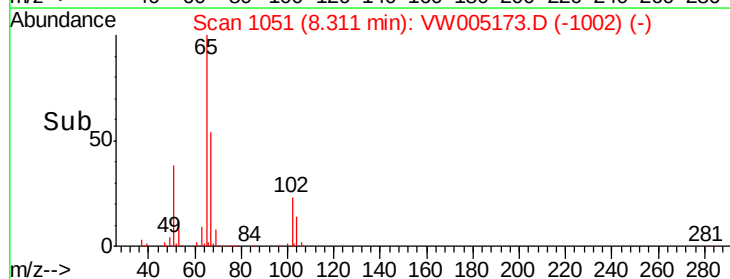
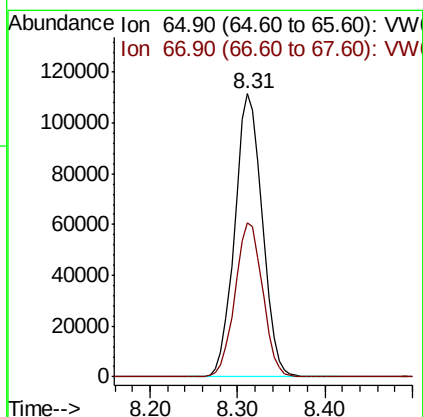
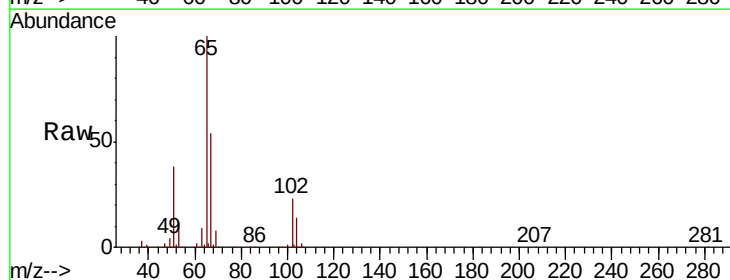
Instrument :
MSVOA_W
ClientSampleId :
ENY-BC-2-2.5RE

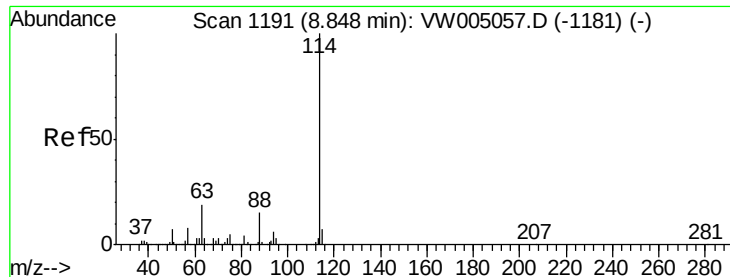
Tgt Ion: 56 Resp: 4822
Ion Ratio Lower Upper
56 100
69 156.6 28.2 42.2#
84 170.8 71.8 107.8#



#33
1,2-Dichloroethane-d4
Concen: 110.771 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW005173.D
Acq: 06 Sep 2018 19:16

Tgt Ion: 65 Resp: 244692
Ion Ratio Lower Upper
65 100
67 54.6 0.0 109.4

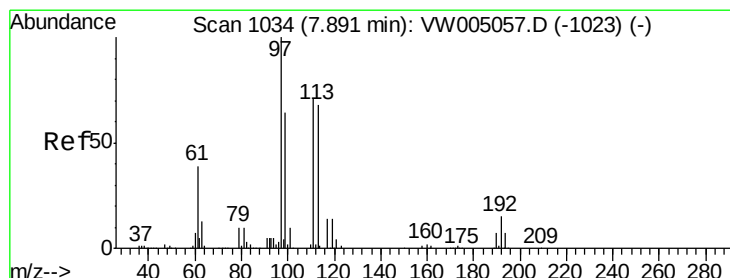
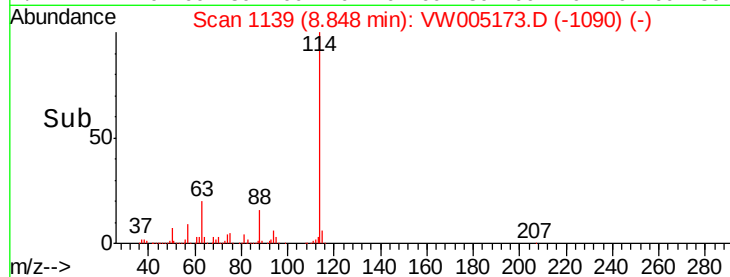
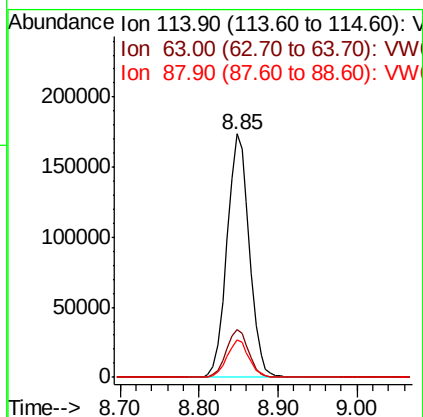
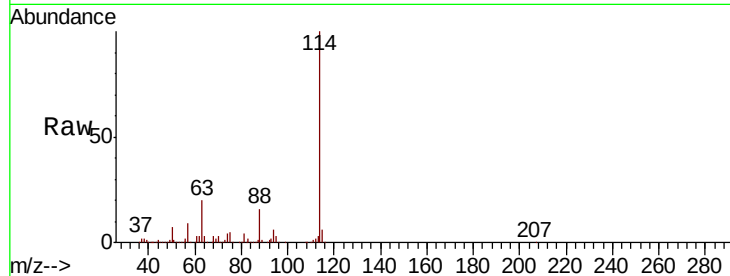




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005173.D
 Acq: 06 Sep 2018 19:16

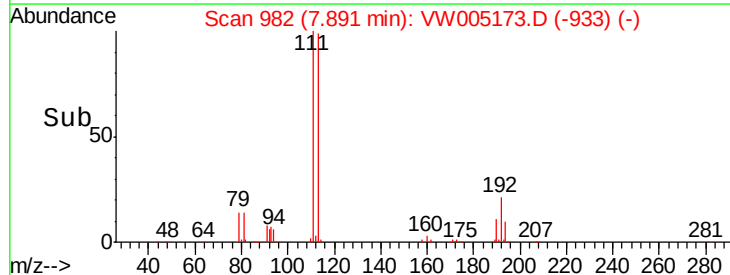
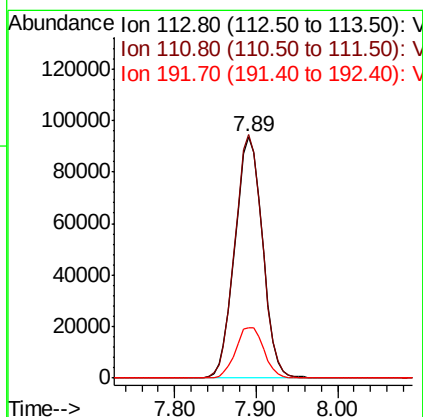
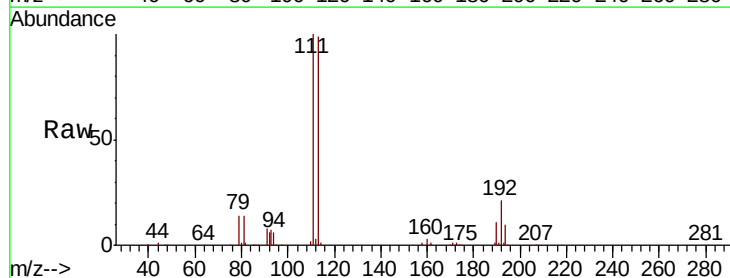
Instrument :
 MSVOA_W
 ClientSampleId :
 ENY-BC-2-2.5RE

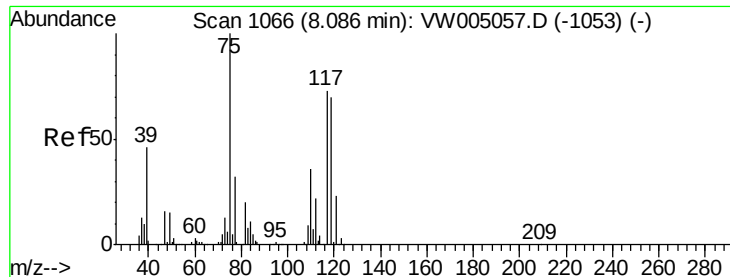
Tgt Ion:	114	Resp:	340594
Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	38.0
88	15.5	0.0	30.2



#35
 Dibromofluoromethane
 Concen: 111.228 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005173.D
 Acq: 06 Sep 2018 19:16

Tgt Ion:	113	Resp:	218923
Ion	Ratio	Lower	Upper
113	100		
111	100.4	82.2	123.2
192	21.5	18.1	27.1





#36

1,1-Dichloropropene

Concen: 5.620 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW005173.D

Acq: 06 Sep 2018 19:16

Instrument :

MSVOA_W

ClientSampleId :

ENY-BC-2-2.5RE

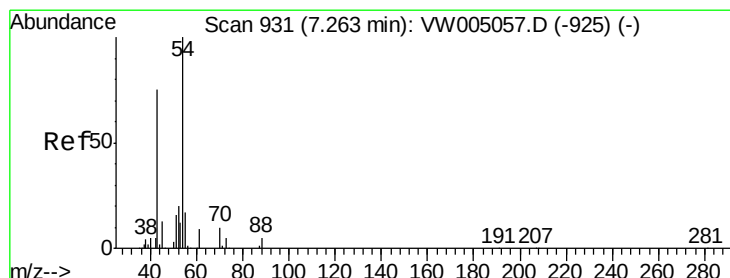
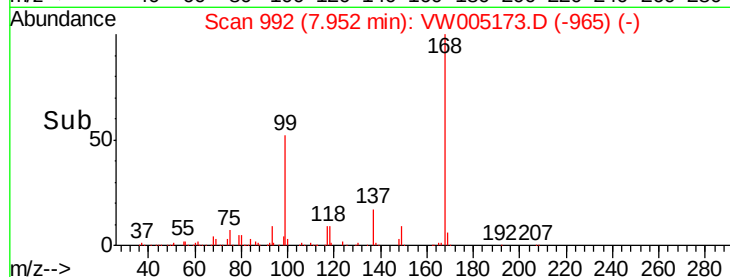
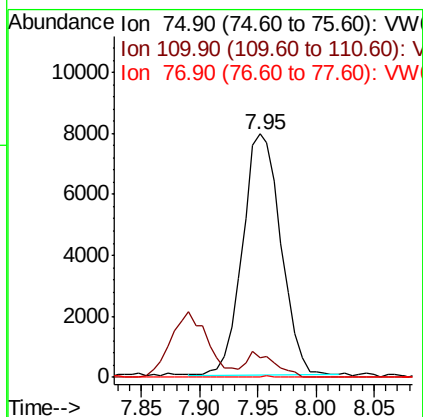
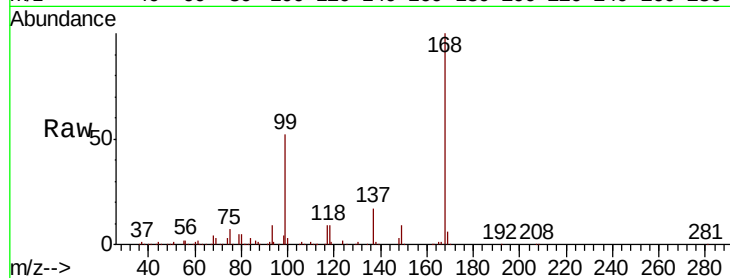
Tgt Ion: 75 Resp: 18231

Ion Ratio Lower Upper

75 100

110 7.6 18.9 56.7#

77 0.1 25.5 38.3#



#37

Ethyl Acetate

Concen: 6.023 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.12 min

Lab File: VW005173.D

Acq: 06 Sep 2018 19:16

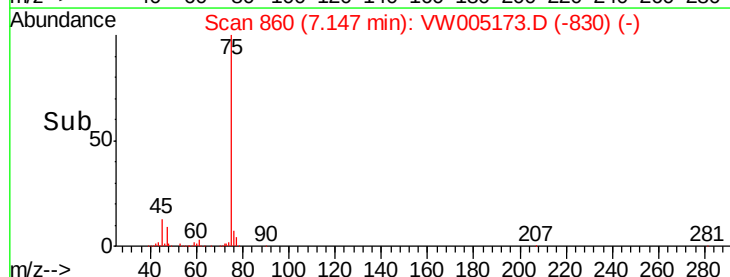
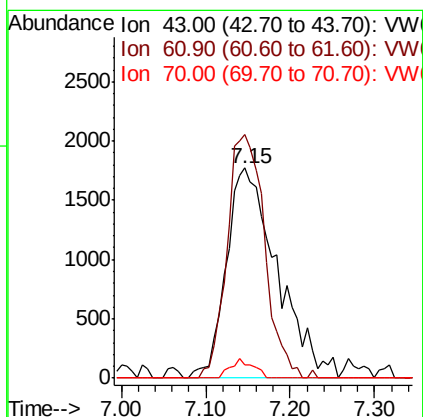
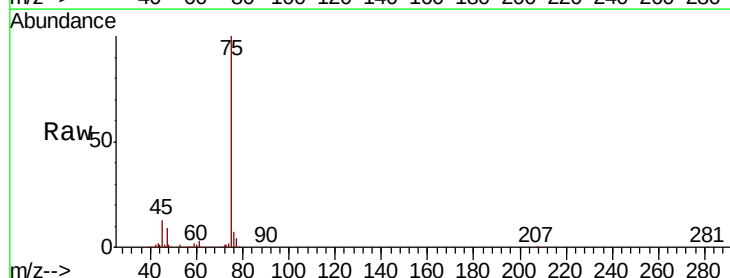
Tgt Ion: 43 Resp: 7307

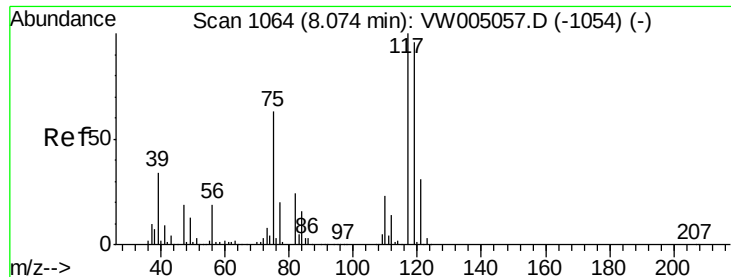
Ion Ratio Lower Upper

43 100

61 84.6 12.1 18.1#

70 4.1 9.4 14.2#





#38

Carbon Tetrachloride

Concen: 7.523 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.12 min

Lab File: VW005173.D

Acq: 06 Sep 2018 19:16

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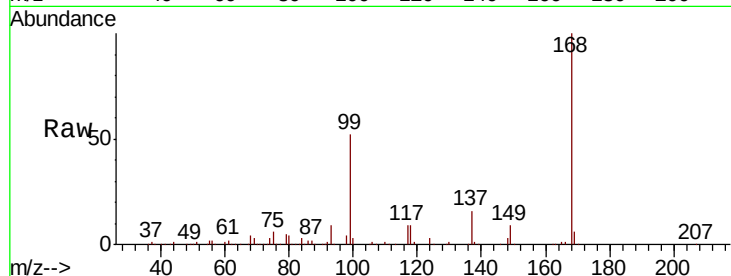
Tgt Ion:117 Resp: 23205

Ion Ratio Lower Upper

117 100

119 6.3 76.6 115.0#

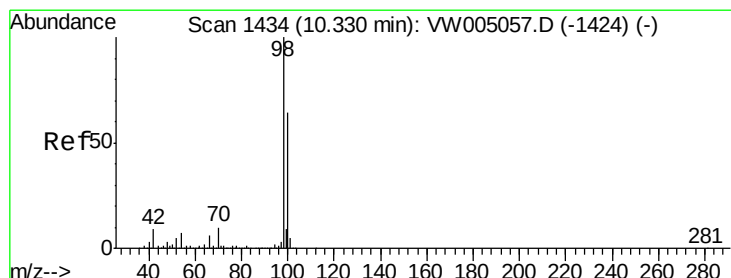
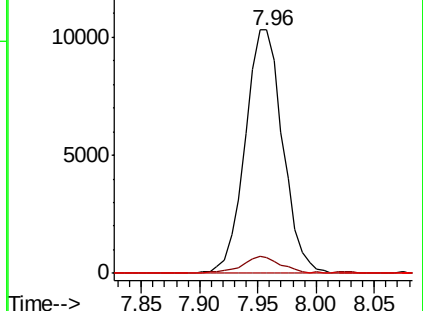
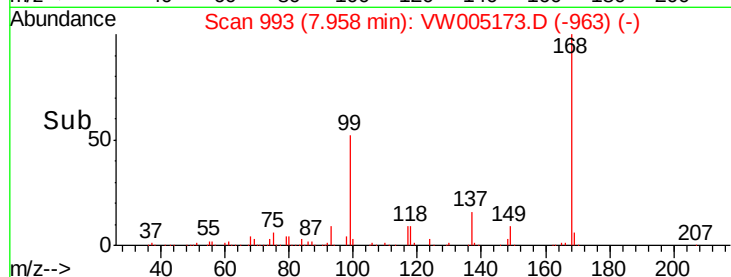
121 0.0 24.8 37.2#



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: 52.650 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005173.D

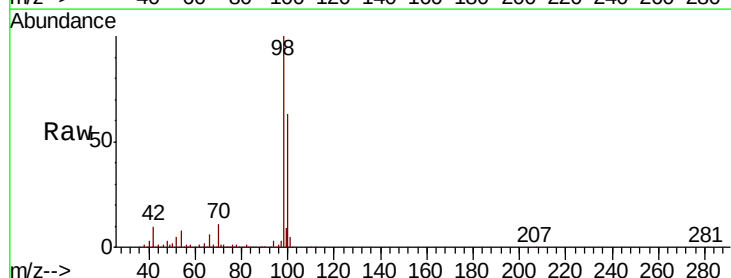
Acq: 06 Sep 2018 19:16

Tgt Ion: 98 Resp: 477498

Ion Ratio Lower Upper

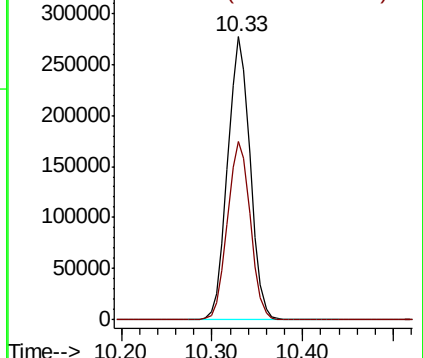
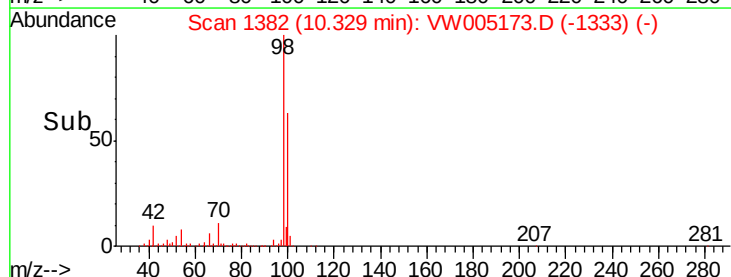
98 100

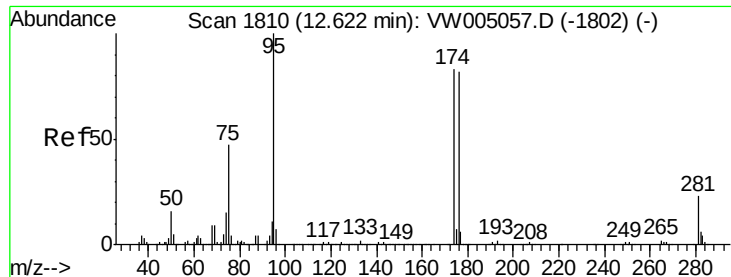
100 63.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 14.145 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VW005173.D

Acq: 06 Sep 2018 19:16

Instrument :

MSVOA_W

ClientSampleId :

ENY-BC-2-2.5RE

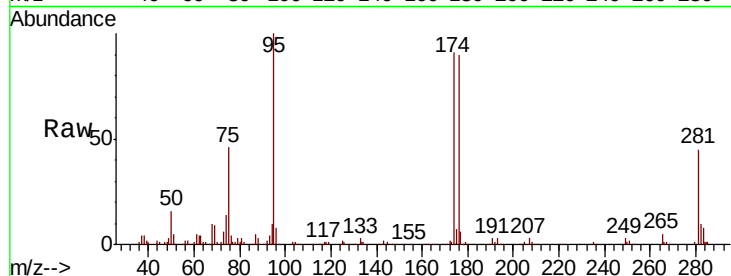
Tgt Ion: 95 Resp: 45235

Ion Ratio Lower Upper

95 100

174 86.9 0.0 173.4

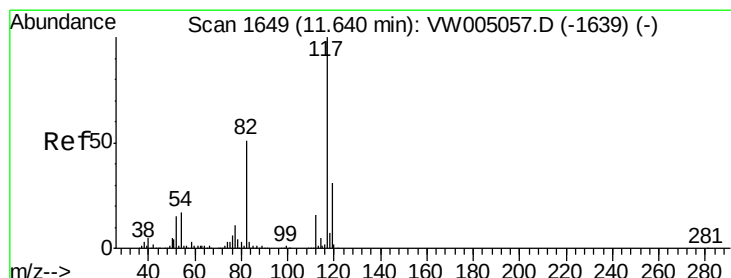
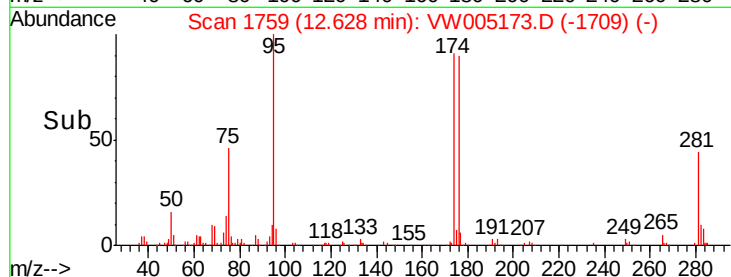
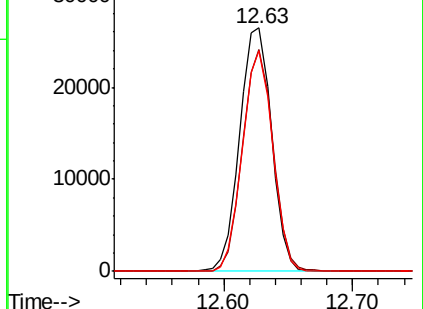
176 85.8 0.0 167.4



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: VW005173.D

Acq: 06 Sep 2018 19:16

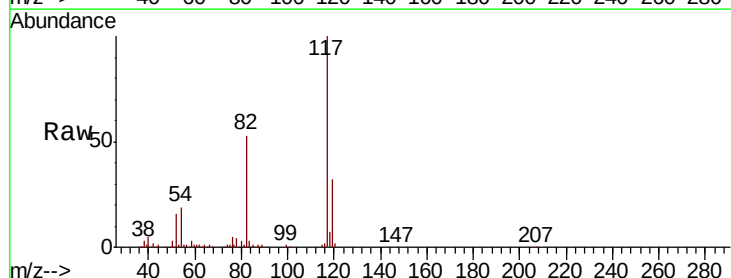
Tgt Ion: 117 Resp: 190748

Ion Ratio Lower Upper

117 100

82 53.4 40.9 61.3

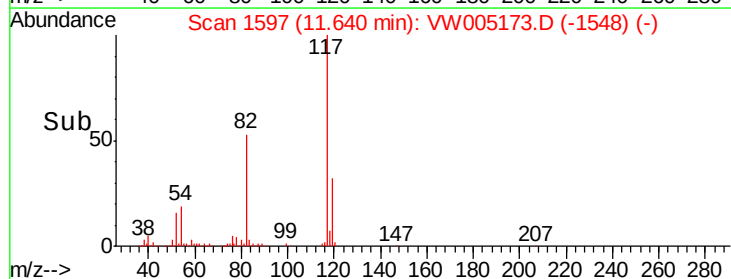
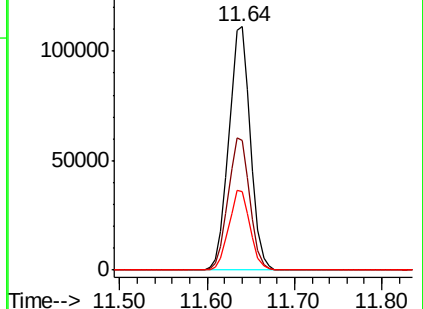
119 32.1 24.9 37.3

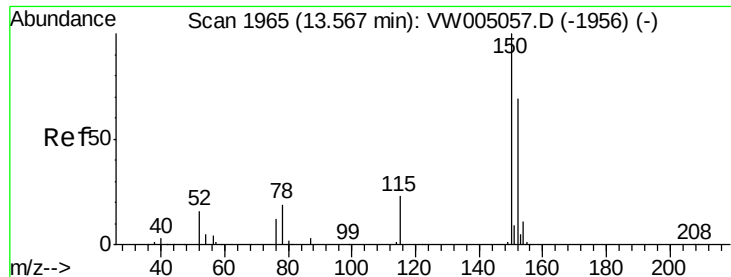


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



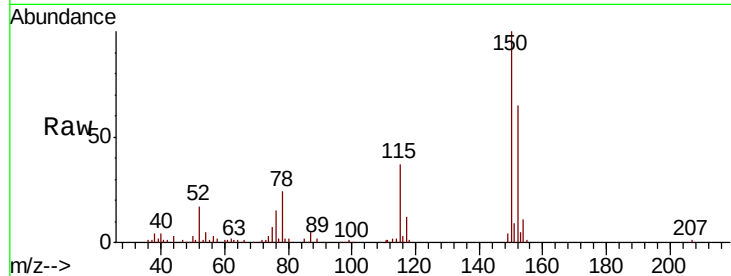


#72

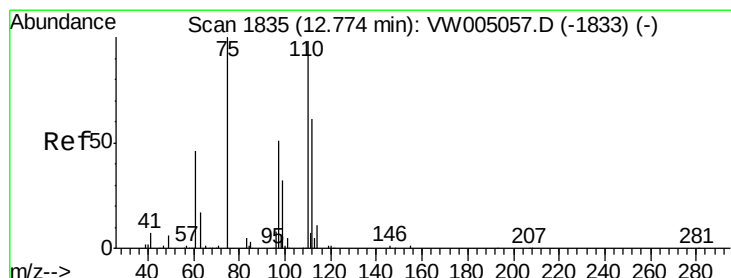
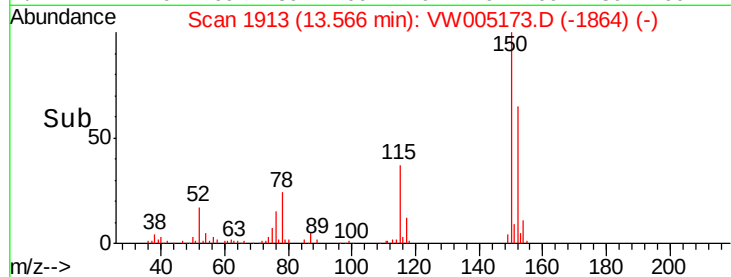
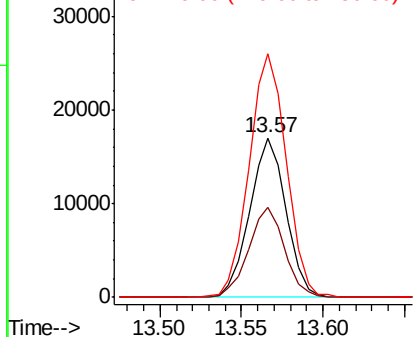
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005173.D
Acq: 06 Sep 2018 19:16

Instrument :
MSVOA_W
ClientSampleId :
ENY-BC-2-2.5RE

Tgt Ion:152 Resp: 26247
Ion Ratio Lower Upper
152 100
115 56.1 27.8 83.4
150 156.7 0.0 351.4



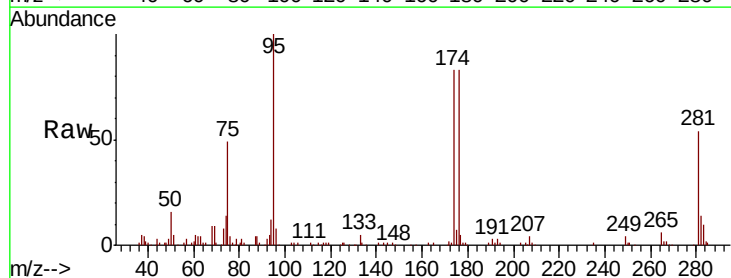
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



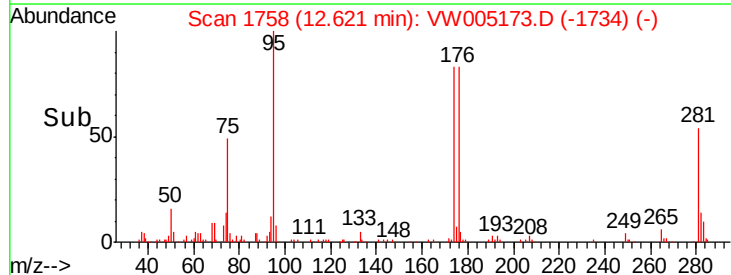
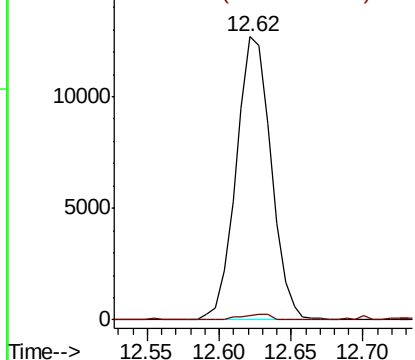
#76

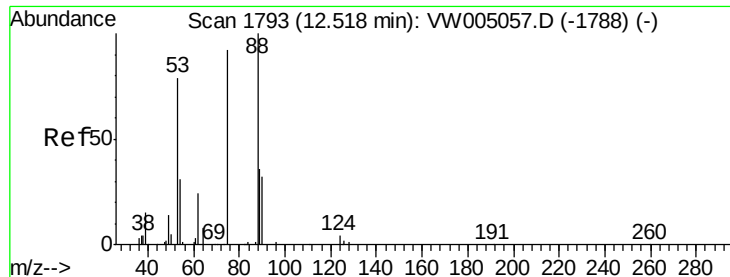
1,2,3-Trichloropropane
Concen: 108.250 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW005173.D
Acq: 06 Sep 2018 19:16

Tgt Ion: 75 Resp: 21327
Ion Ratio Lower Upper
75 100
77 1.7 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: 260.546 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005173.D

Acq: 06 Sep 2018 19:16

Instrument :

MSVOA_W

ClientSampleId :

ENY-BC-2-2.5RE

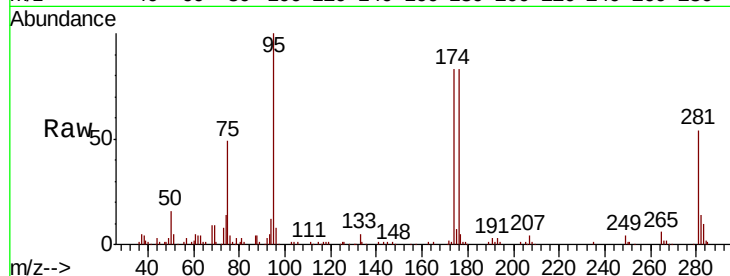
Tgt Ion: 75 Resp: 21327

Ion Ratio Lower Upper

75 100

53 0.1 69.8 104.8#

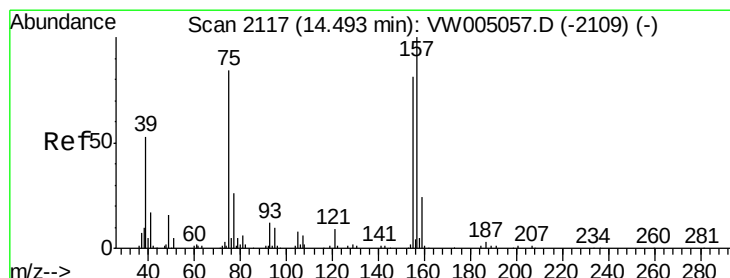
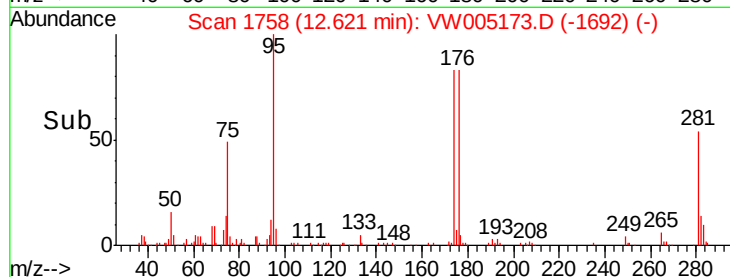
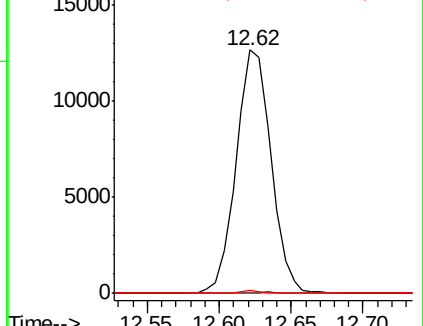
89 0.5 36.0 54.0#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.884 ug/l

RT: 14.33 min Scan# 2039

Delta R.T. -0.16 min

Lab File: VW005173.D

Acq: 06 Sep 2018 19:16

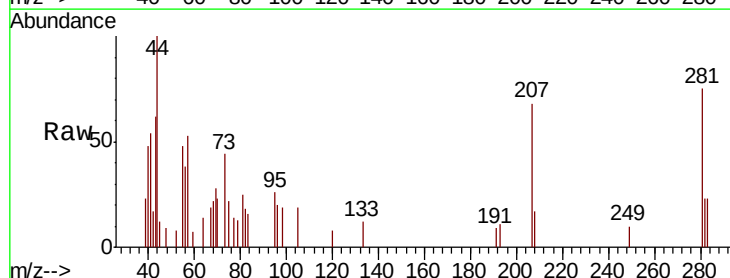
Tgt Ion: 75 Resp: 171

Ion Ratio Lower Upper

75 100

155 0.0 46.0 137.8#

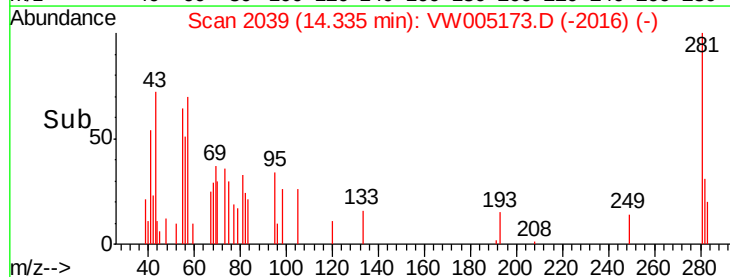
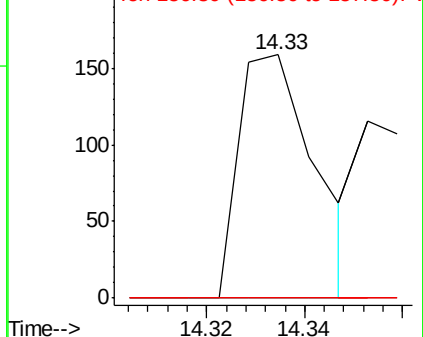
157 0.0 58.6 175.7#

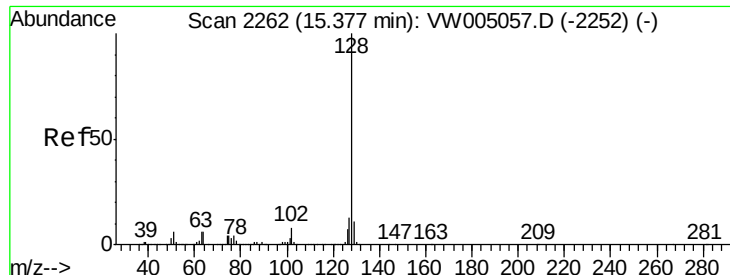


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 4.462 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW005173.D

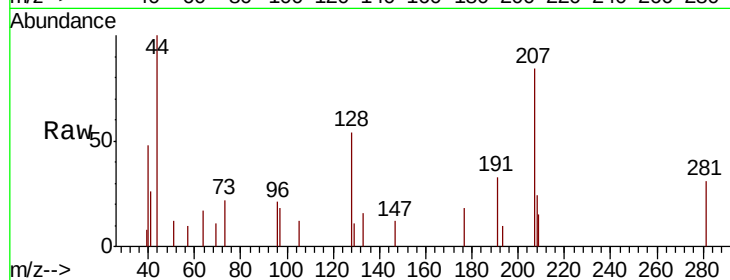
Acq: 06 Sep 2018 19:16

Instrument :

MSVOA_W

ClientSampleId :

ENY-BC-2-2.5RE



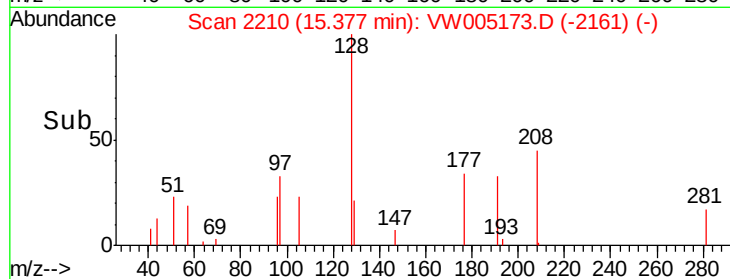
Tgt Ion:128 Resp: 496

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 10.1 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

