

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090618\
 Data File : VW005174.D
 Acq On : 06 Sep 2018 19:41
 Operator : SY/AP
 Sample : J4710-05RE
 Misc : 6.75G/5ML/MSVOA_W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ENY-SB-08-10-10.5RE

Quant Time: Sep 07 01:05:48 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	391967	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	657552	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	665057	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	298617	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	237152	72.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	145.98%	
35) Dibromofluoromethane	7.89	113	209687	55.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.36%	
50) Toluene-d8	10.33	98	877719	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
62) 4-Bromofluorobenzene	12.63	95	286892	46.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.77	94	738	Below Cal		98
11) Tert butyl alcohol	5.14	59	2269	Below Cal	#	72
16) Acetone	4.14	43	72465	111.206	ug/l	95
20) Methylene Chloride	4.92	84	39355	5.473	ug/l	95
25) 2-Butanone	7.14	43	4063	3.595	ug/l #	81
31) Cyclohexane	7.95	56	6933	1.086	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	27205	4.344	ug/l #	47
37) Ethyl Acetate	7.14	43	4063	1.735	ug/l #	1
38) Carbon Tetrachloride	7.96	117	34590	5.809	ug/l #	17
76) 1,2,3-Trichloropropane	12.63	75	133765	59.677	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	133765	143.636	ug/l #	15
95) Naphthalene	15.38	128	836	4.051	ug/l #	87

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

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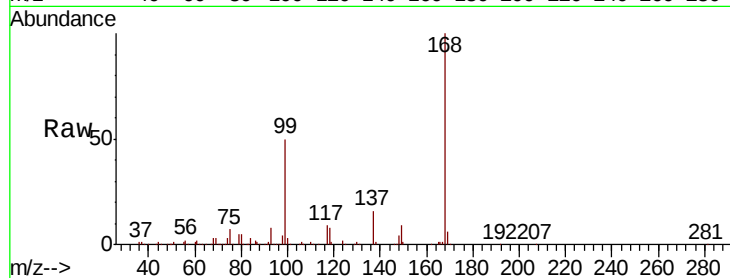
ENY-SB-08-10-10.5RE

Tgt Ion:168 Resp: 391967

Ion Ratio Lower Upper

168 100

99 49.9 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

200000

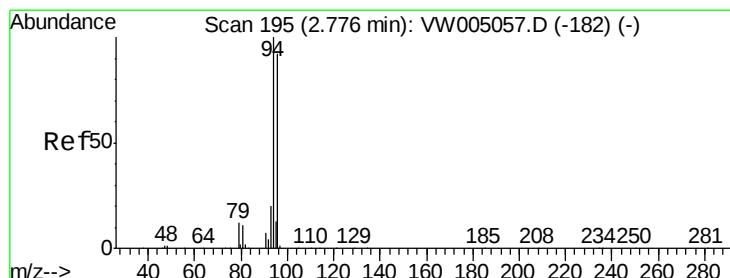
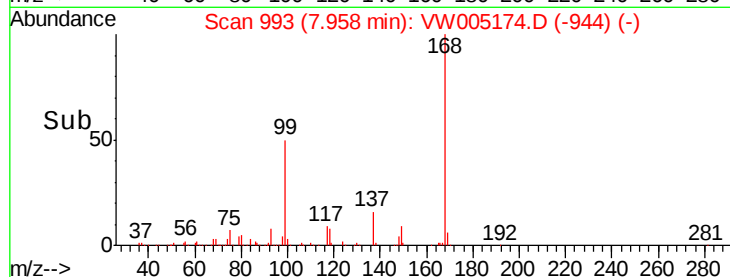
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW005174.D

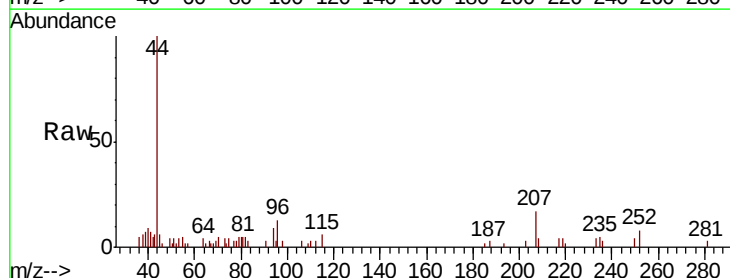
Acq: 06 Sep 2018 19:41

Tgt Ion: 94 Resp: 738

Ion Ratio Lower Upper

94 100

96 89.7 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

500

400

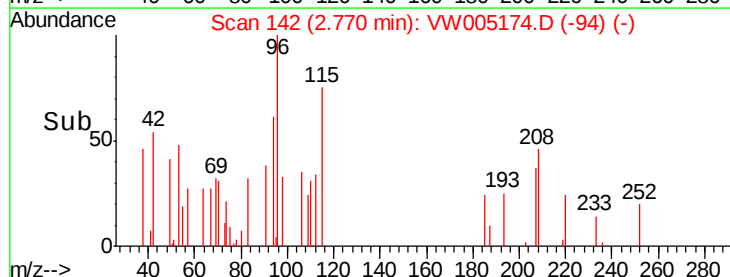
300

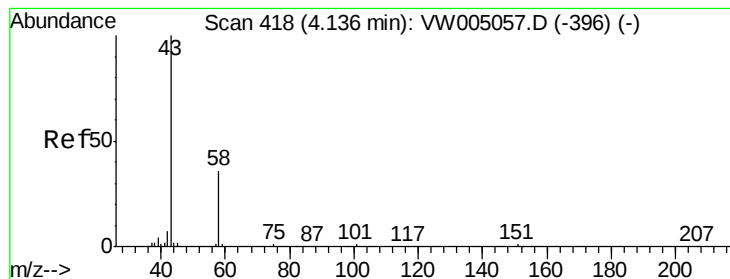
200

100

0

Time--> 2.75 2.80





#16

Acetone

Concen: 111.206 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.00 min

Lab File: VW005174.D

Acq: 06 Sep 2018 19:41

Instrument :

MSVOA_W

ClientSampleId :

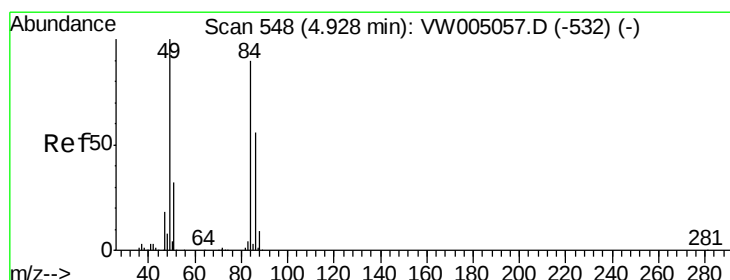
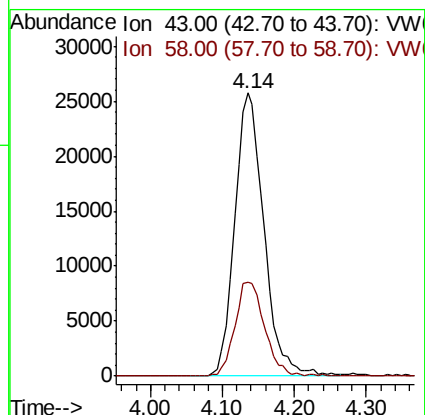
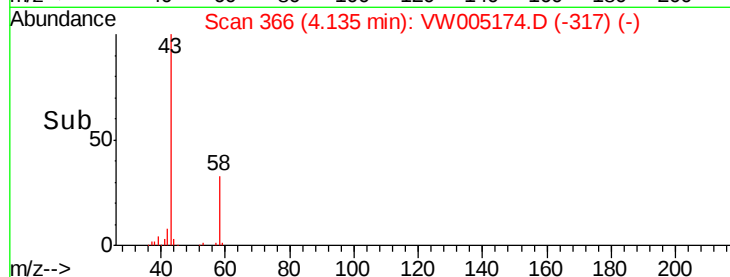
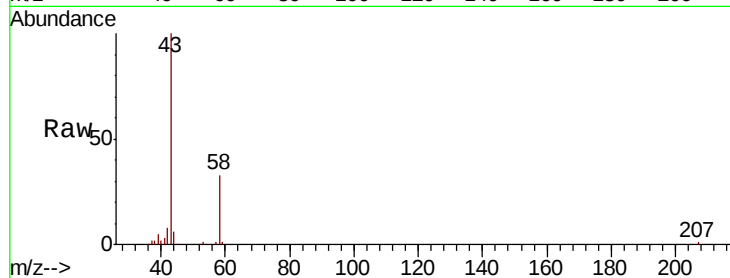
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Tgt Ion: 43 Resp: 72465

Ion Ratio Lower Upper

43 100

58 33.2 29.0 43.6



#20

Methylene Chloride

Concen: 5.473 ug/l

RT: 4.92 min Scan# 495

Delta R.T. -0.01 min

Lab File: VW005174.D

Acq: 06 Sep 2018 19:41

Tgt Ion: 84 Resp: 39355

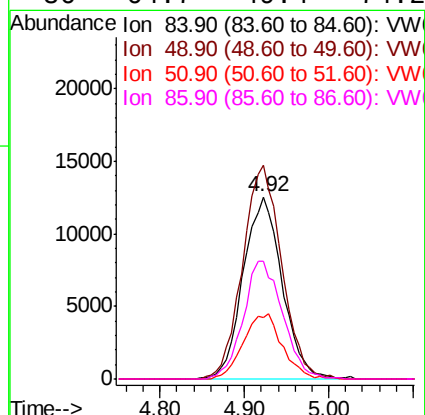
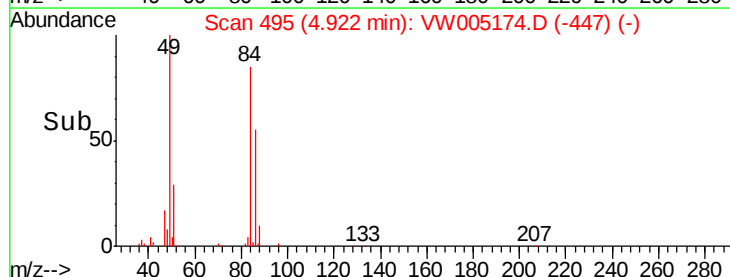
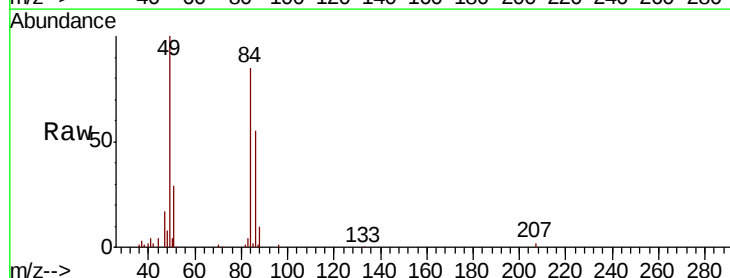
Ion Ratio Lower Upper

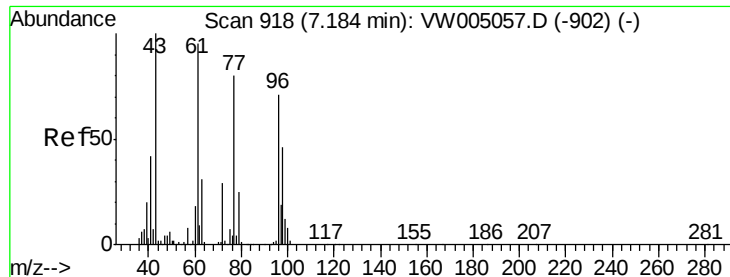
84 100

49 117.5 88.7 133.1

51 33.6 28.6 42.8

86 64.7 49.4 74.2

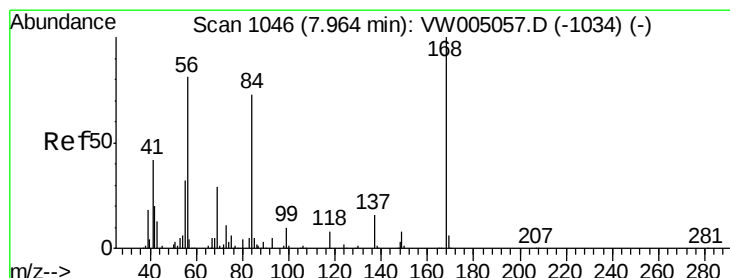
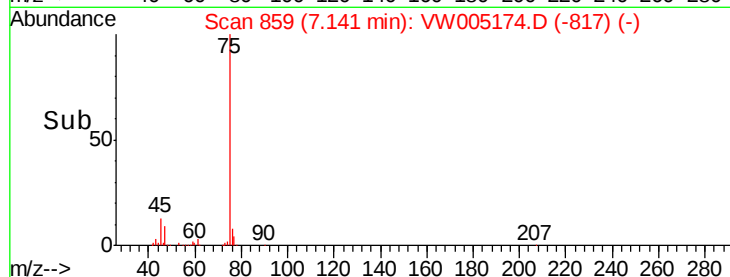
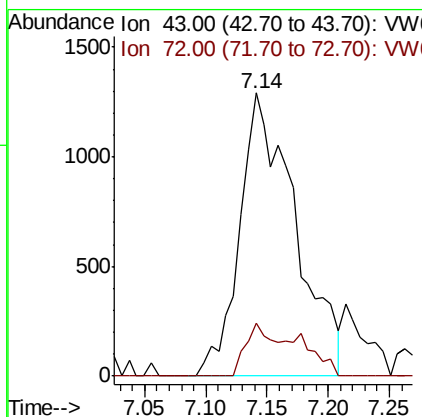
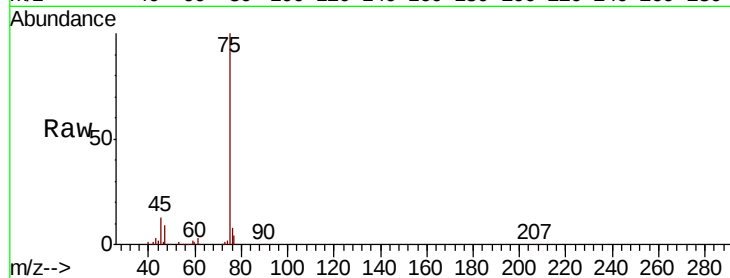




#25
2-Butanone
Concen: 3.595 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.04 min
Lab File: VW005174.D
Acq: 06 Sep 2018 19:41

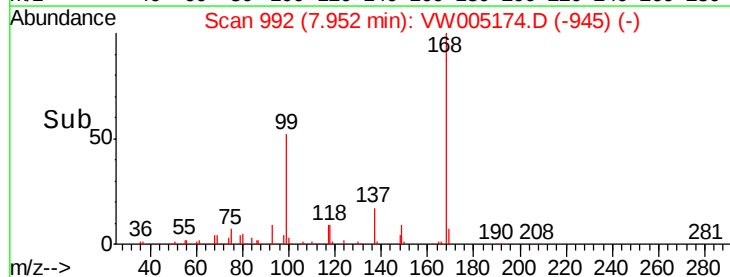
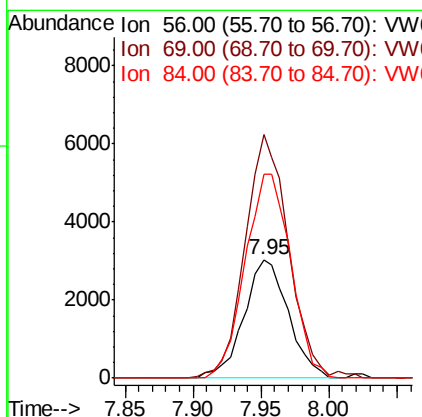
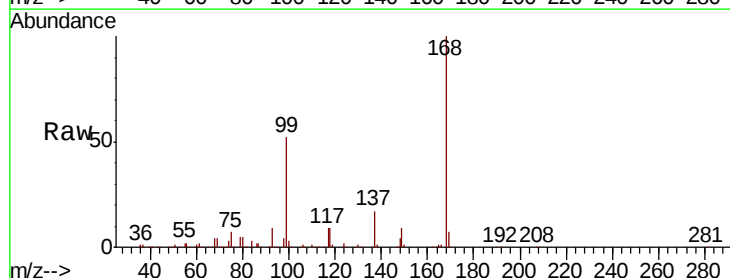
Instrument :
MSVOA_W
ClientSampleId :
ENY-SB-08-10-10.5RE

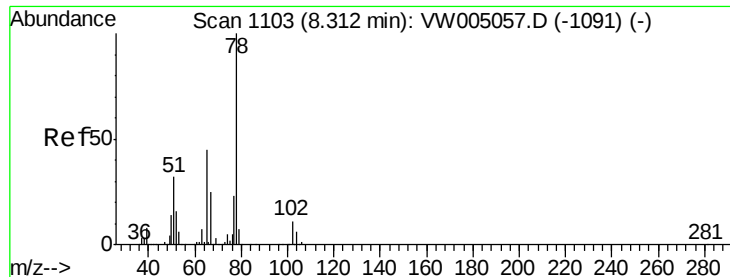
Tgt Ion: 43 Resp: 4063
Ion Ratio Lower Upper
43 100
72 18.7 23.1 34.7#



#31
Cyclohexane
Concen: 1.086 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW005174.D
Acq: 06 Sep 2018 19:41

Tgt Ion: 56 Resp: 6933
Ion Ratio Lower Upper
56 100
69 205.8 28.2 42.2#
84 172.1 71.8 107.8#

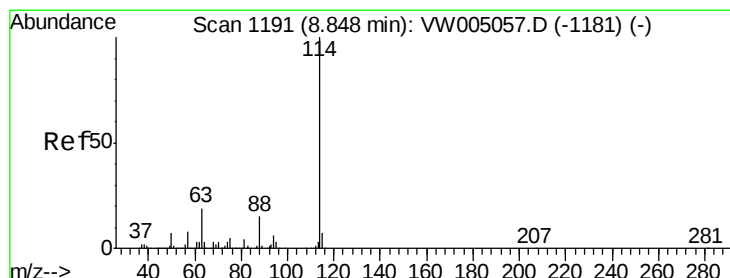
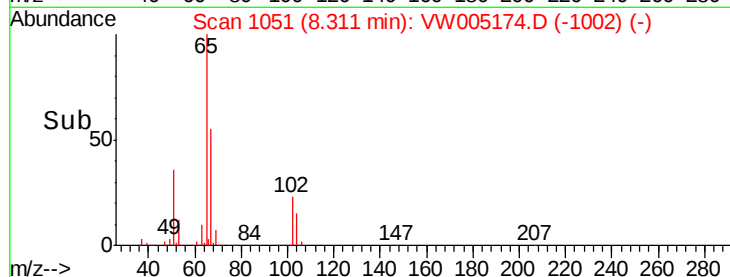
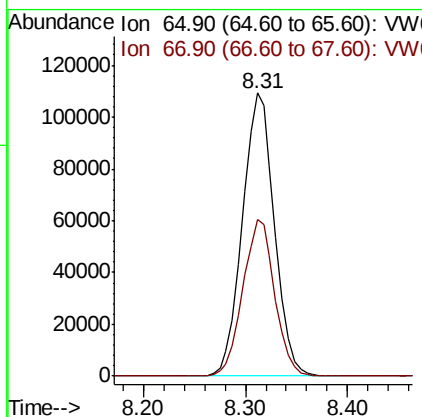
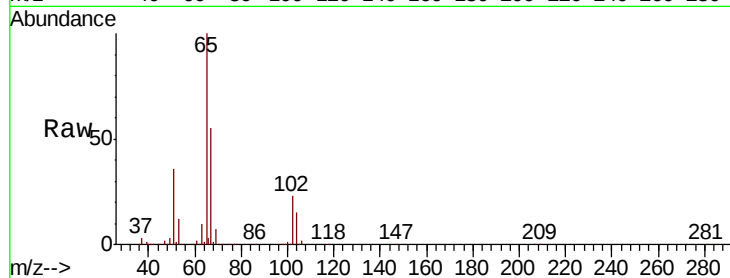




#33
 1,2-Dichloroethane-d4
 Concen: 72.987 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005174.D
 Acq: 06 Sep 2018 19:41

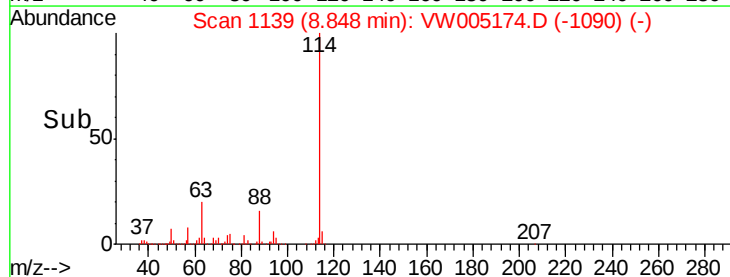
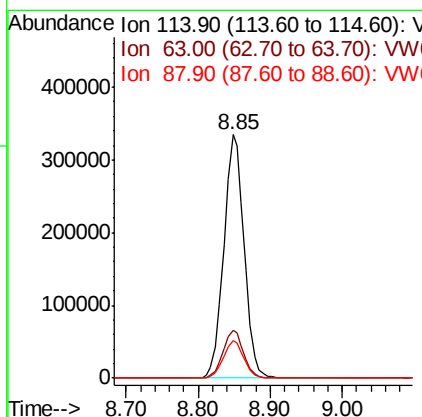
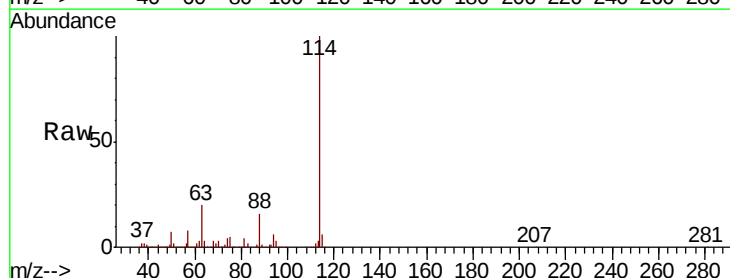
Instrument :
 MSVOA_W
 ClientSampleId :
 ENY-SB-08-10-10.5RE

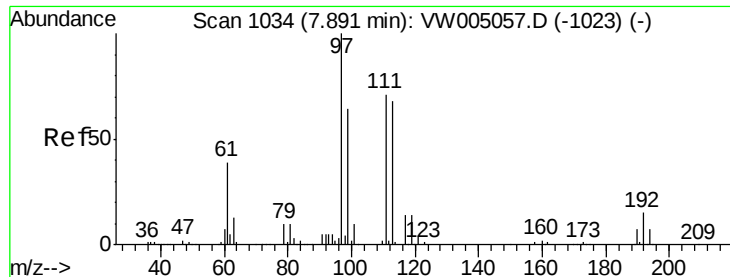
Tgt Ion: 65 Resp: 237152
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005174.D
 Acq: 06 Sep 2018 19:41

Tgt Ion: 114 Resp: 657552
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.0
 88 15.6 0.0 30.2

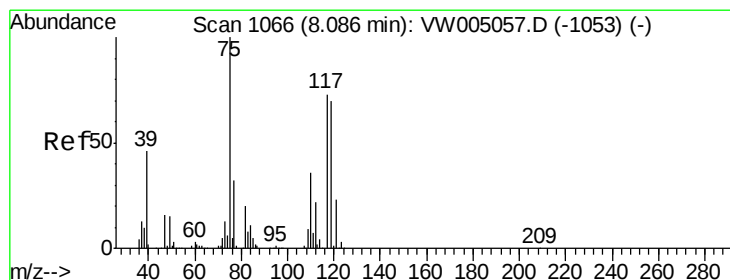
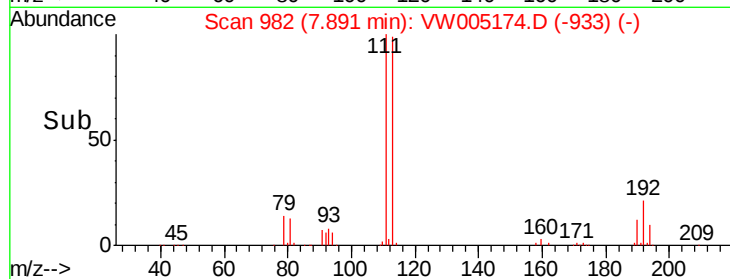
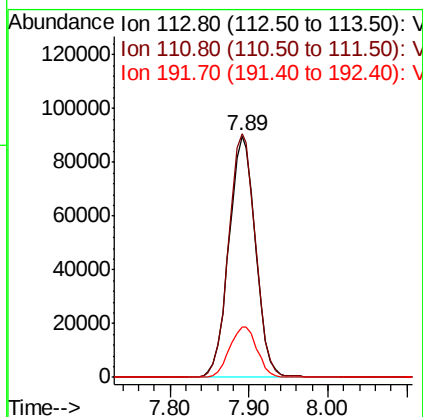
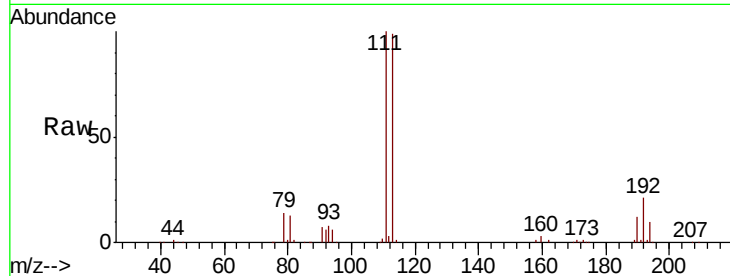




#35
 Dibromofluoromethane
 Concen: 55.182 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005174.D
 Acq: 06 Sep 2018 19:41

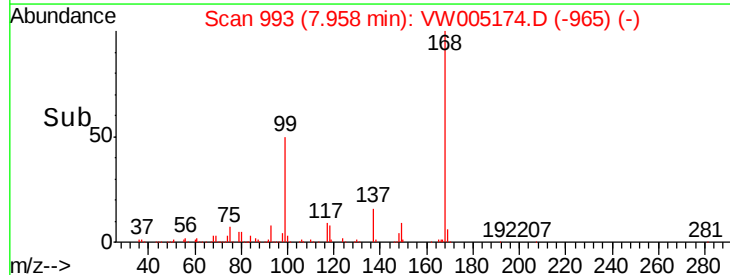
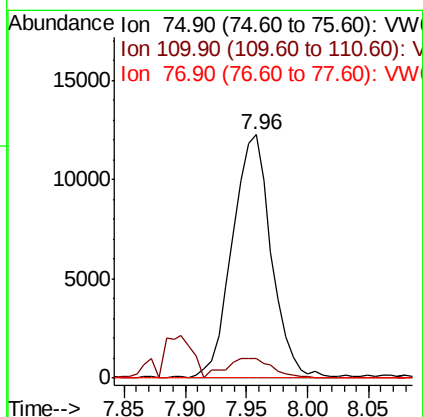
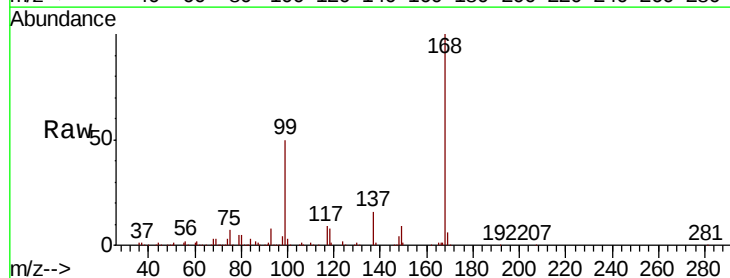
Instrument :
 MSVOA_W
 ClientSampleId :
 ENY-SB-08-10-10.5RE

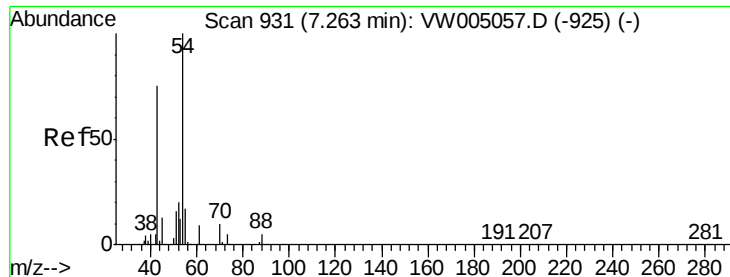
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.2	123.2
192	21.7	18.1	27.1



#36
 1,1-Dichloropropene
 Concen: 4.344 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW005174.D
 Acq: 06 Sep 2018 19:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.9	56.7#
77	0.0	25.5	38.3#

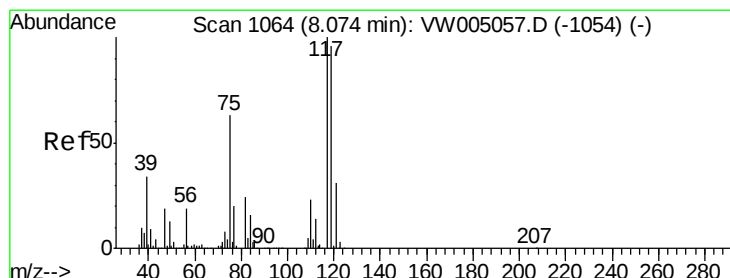
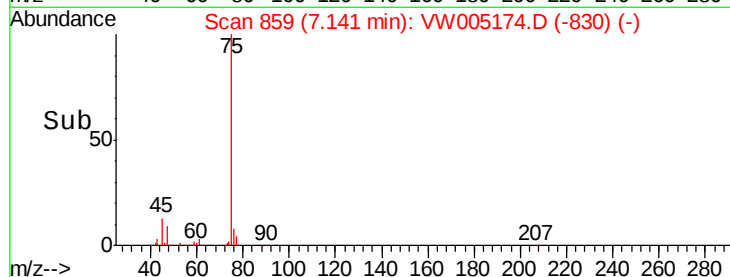
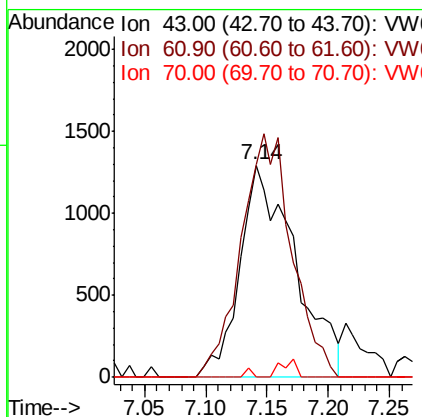
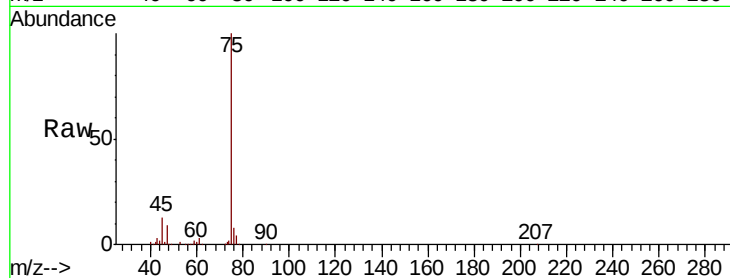




#37
 Ethyl Acetate
 Concen: 1.735 ug/l
 RT: 7.14 min Scan# 859
 Delta R.T. -0.12 min
 Lab File: VW005174.D
 Acq: 06 Sep 2018 19:41

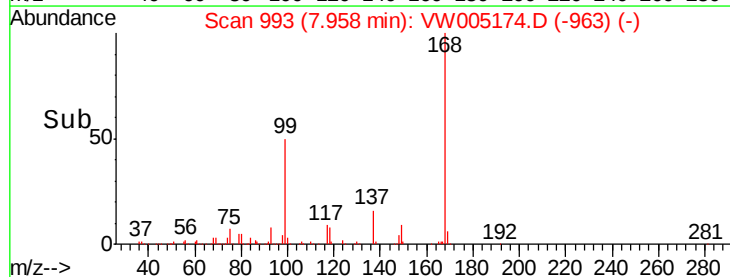
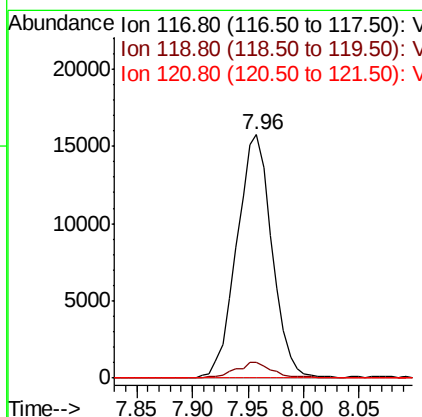
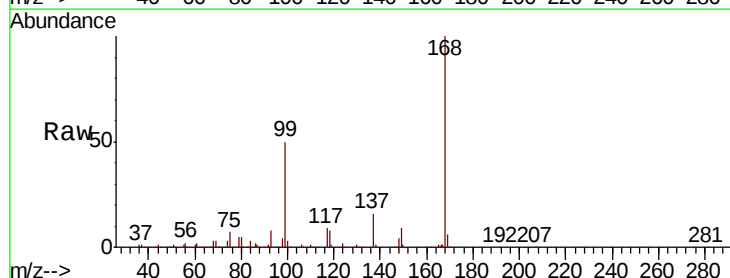
Instrument :
 MSVOA_W
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 ENY-SB-08-10-10.5RE

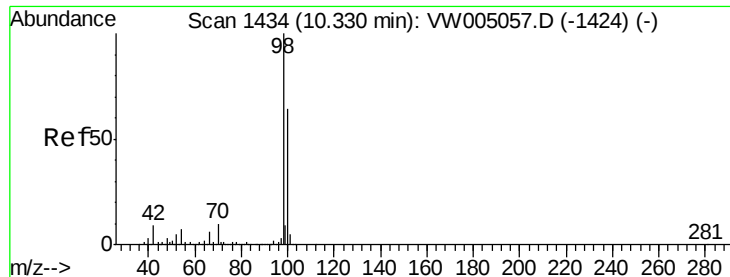
Tgt Ion: 43 Resp: 4063
 Ion Ratio Lower Upper
 43 100
 61 105.7 12.1 18.1#
 70 0.5 9.4 14.2#



#38
 Carbon Tetrachloride
 Concen: 5.809 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VW005174.D
 Acq: 06 Sep 2018 19:41

Tgt Ion: 117 Resp: 34590
 Ion Ratio Lower Upper
 117 100
 119 6.4 76.6 115.0#
 121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 50.129 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005174.D

Acq: 06 Sep 2018 19:41

Instrument :

MSVOA_W

ClientSampleId :

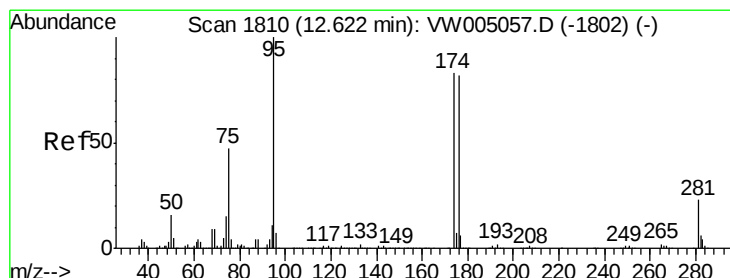
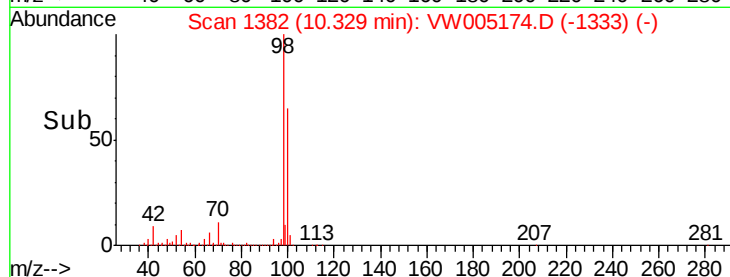
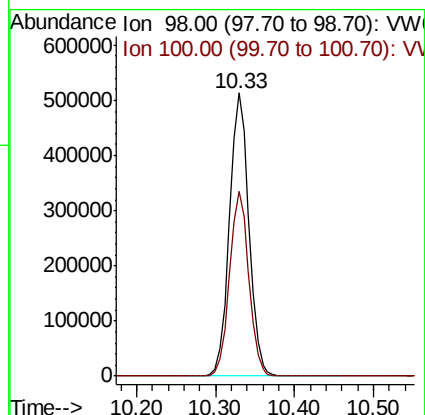
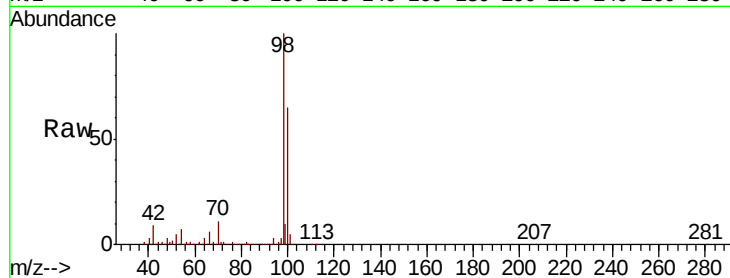
ENY-SB-08-10-10.5RE

Tgt Ion: 98 Resp: 877719

Ion Ratio Lower Upper

98 100

100 64.6 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 46.468 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VW005174.D

Acq: 06 Sep 2018 19:41

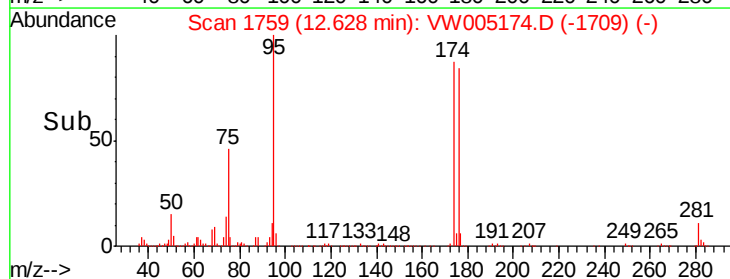
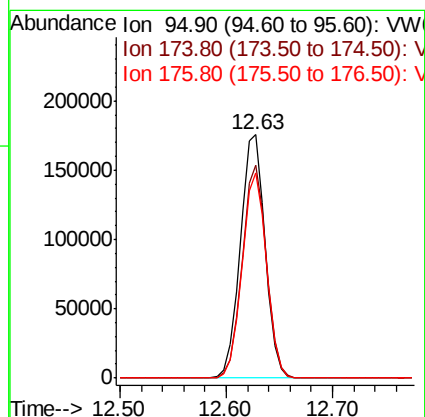
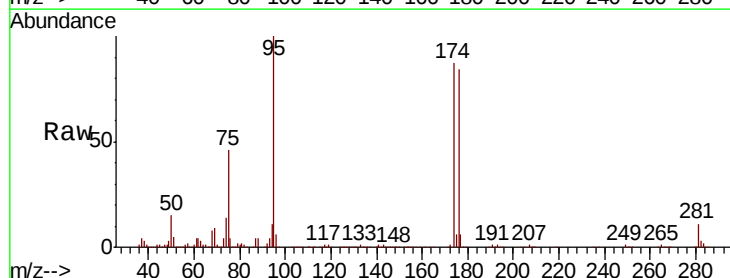
Tgt Ion: 95 Resp: 286892

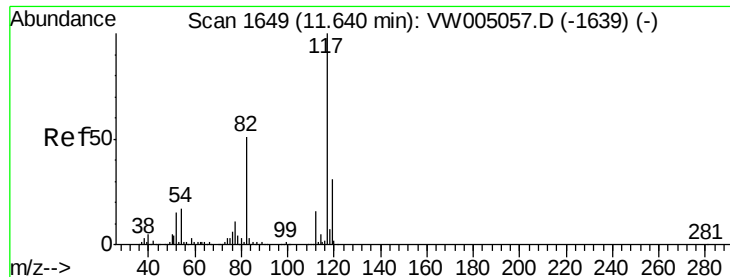
Ion Ratio Lower Upper

95 100

174 85.8 0.0 173.4

176 82.9 0.0 167.4

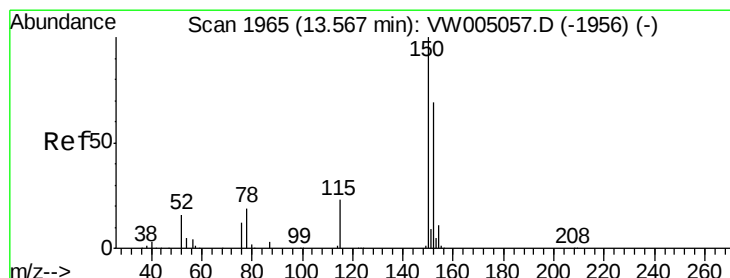
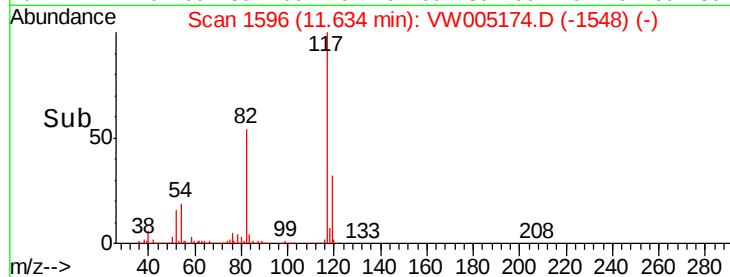
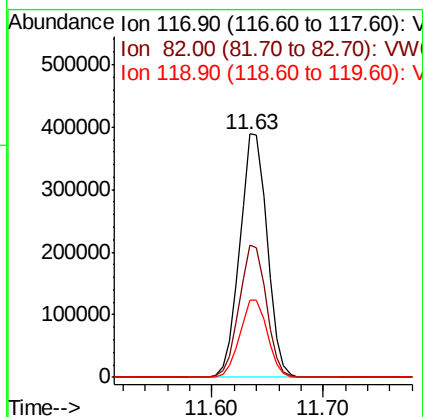
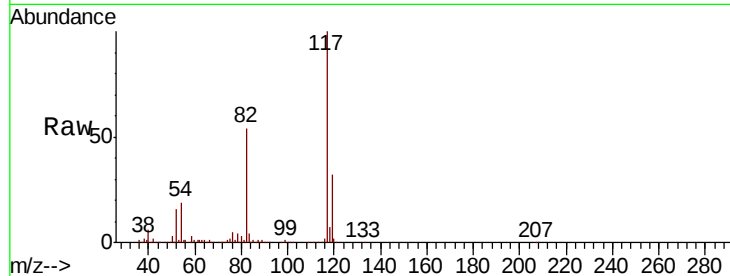




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.01 min
Lab File: VW005174.D
Acq: 06 Sep 2018 19:41

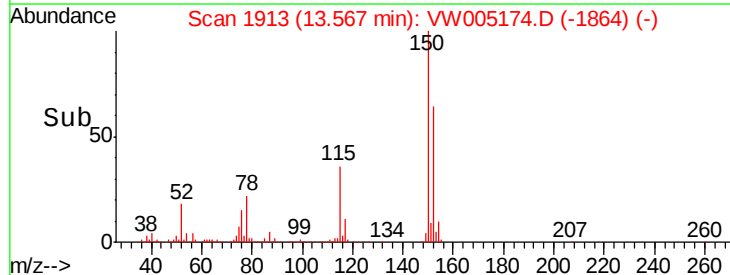
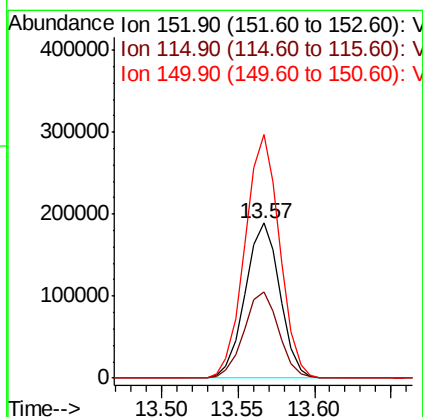
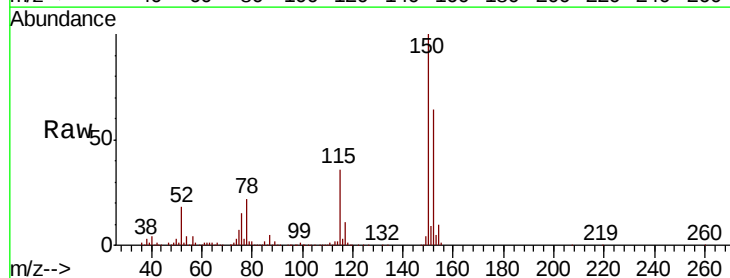
Instrument :
MSVOA_W
ClientSampleId :
ENY-SB-08-10-10.5RE

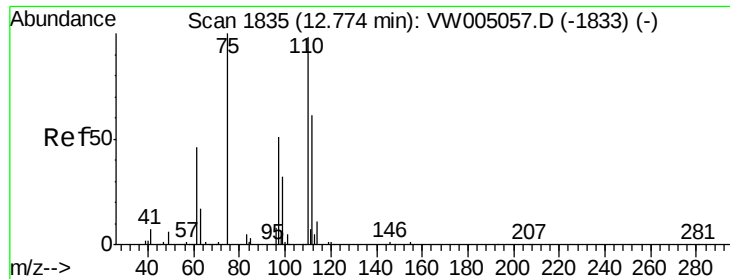
Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.5	40.9	61.3
119	31.8	24.9	37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005174.D
Acq: 06 Sep 2018 19:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	27.8	83.4
150	156.1	0.0	351.4

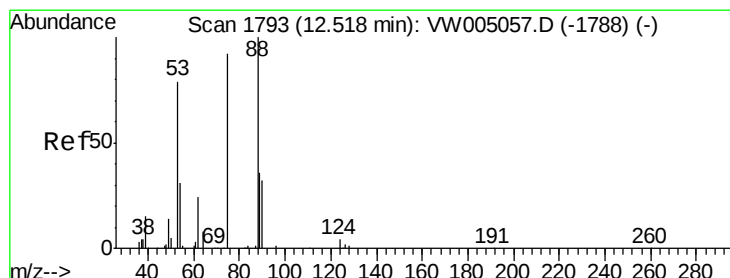
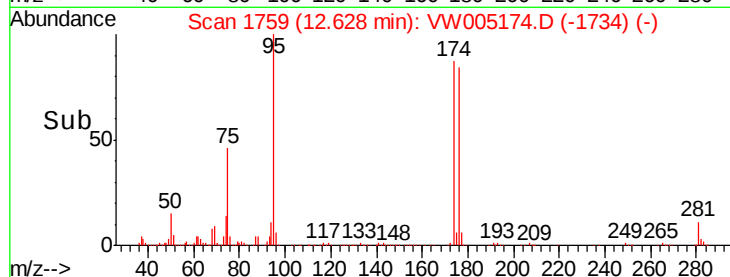
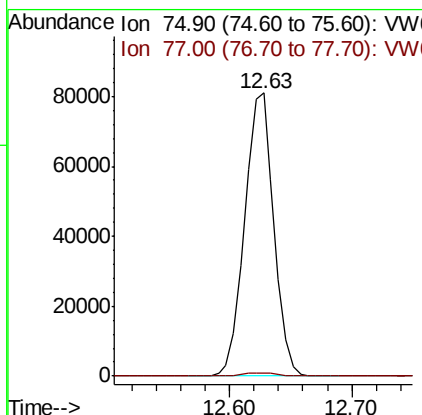
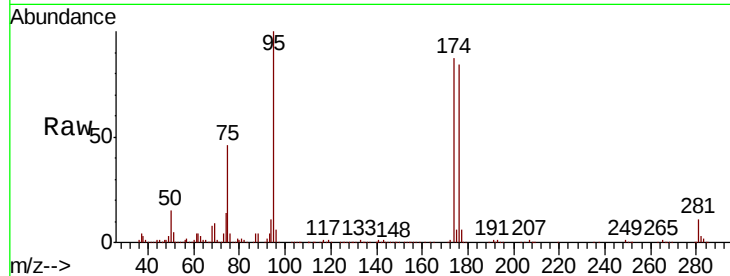




#76
 1,2,3-Trichloropropane
 Concen: 59.677 ug/l
 RT: 12.63 min Scan# 1759
 Delta R.T. -0.15 min
 Lab File: VW005174.D
 Acq: 06 Sep 2018 19:41

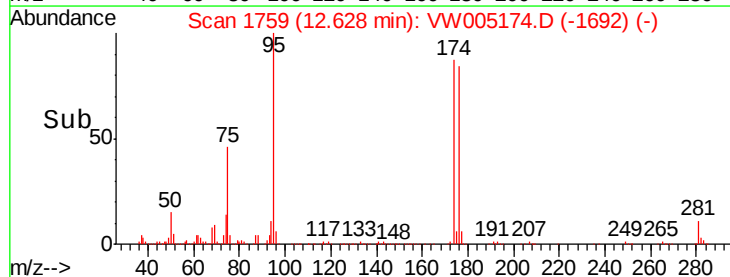
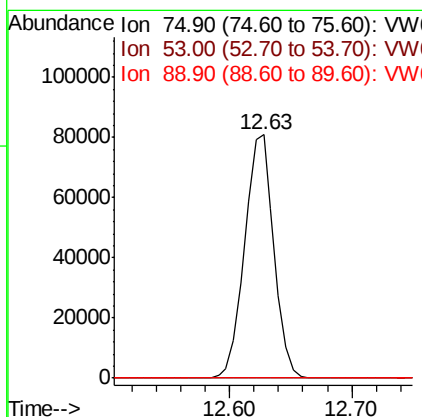
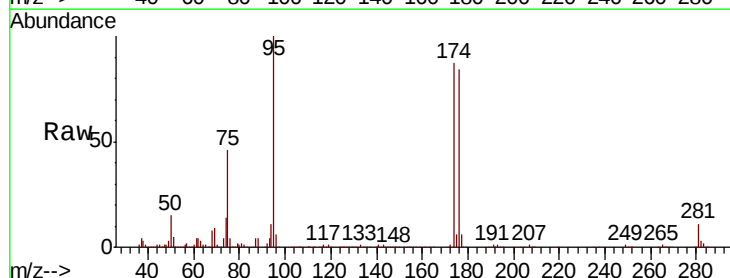
Instrument :
 MSVOA_W
 ClientSampleId :
 ENY-SB-08-10-10.5RE

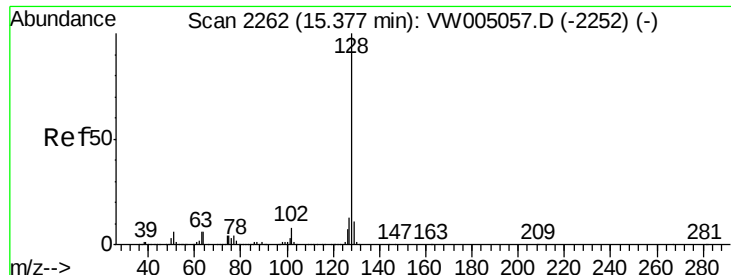
Tgt Ion: 75 Resp: 133765
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 143.636 ug/l
 RT: 12.63 min Scan# 1759
 Delta R.T. 0.11 min
 Lab File: VW005174.D
 Acq: 06 Sep 2018 19:41

Tgt Ion: 75 Resp: 133765
 Ion Ratio Lower Upper
 75 100
 53 0.2 69.8 104.8#
 89 0.1 36.0 54.0#





#95
Naphthalene
Concen: 4.051 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW005174.D
Acq: 06 Sep 2018 19:41

Instrument :
MSVOA_W
ClientSampleId :
ENY-SB-08-10-10.5RE

Tgt Ion	Ratio	Lower	Upper
128	100		
127	10.6	10.4	15.6
129	2.6	8.7	13.1

