

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010919\
 Data File : VW008113.D
 Acq On : 09 Jan 2019 19:44
 Operator : SY/AP
 Sample : K1074-16
 Misc : 4.11G/5ML/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 W12-8

Quant Time: Jan 10 05:59:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	81118	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	142329	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	126368	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	59424	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	48249	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	
35) Dibromofluoromethane	7.88	113	44262	53.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.64%	
50) Toluene-d8	10.32	98	180224	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	
62) 4-Bromofluorobenzene	12.62	95	60462	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	

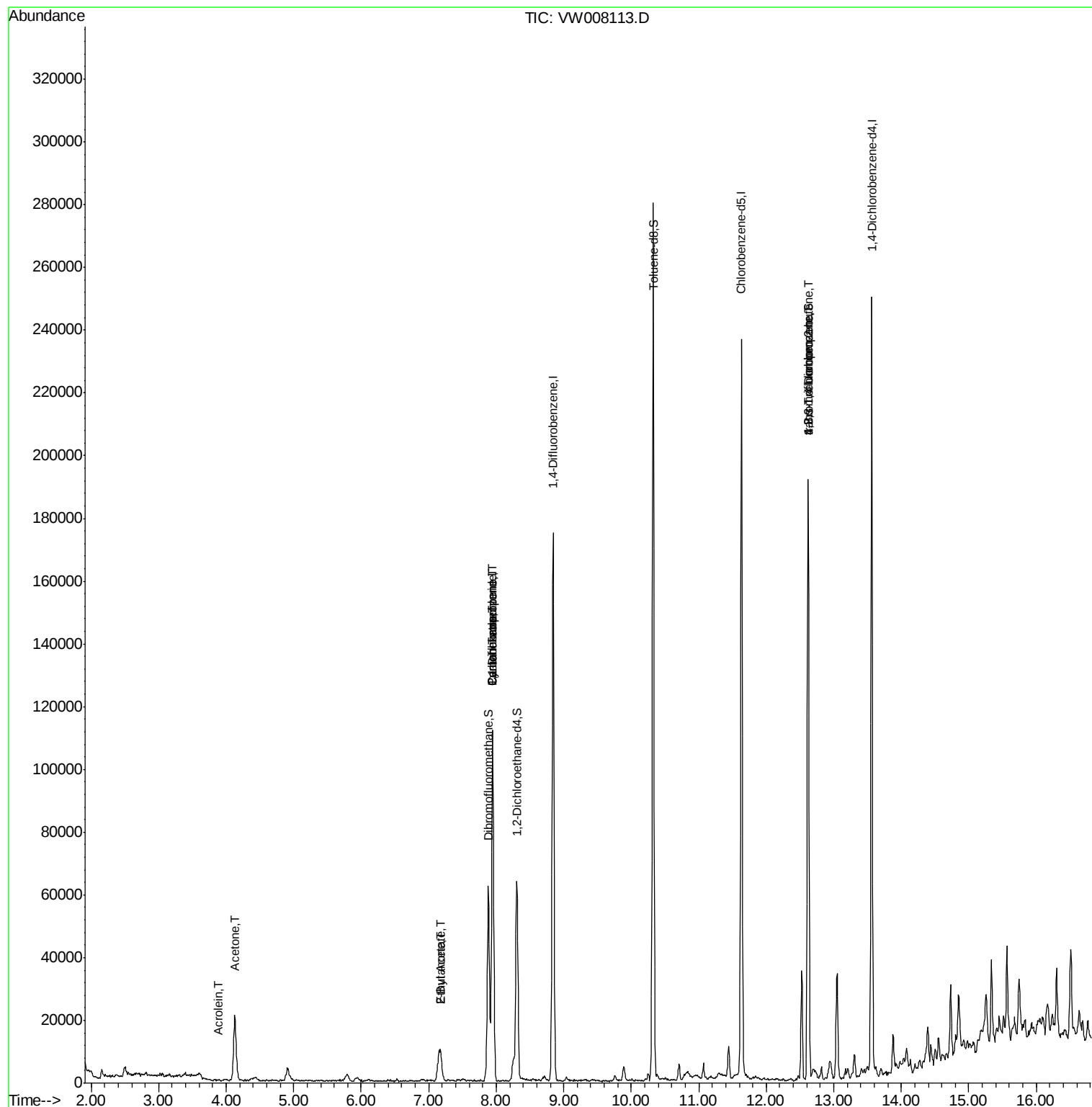
Target Compounds					Qvalue
11) Tert butyl alcohol	5.26	59	22	Below Cal	# 100
13) Acrolein	3.89	56	215	2.058 ug/l	# 47
16) Acetone	4.13	43	37453	226.561 ug/l	96
20) Methylene Chloride	4.92	84	2786	Below Cal	# 82
25) 2-Butanone	7.17	43	13113	51.695 ug/l	91
31) Cyclohexane	7.95	56	2117	1.103 ug/l	# 1
36) 1,1-Dichloropropene	7.95	75	6866	4.683 ug/l	# 49
37) Ethyl Acetate	7.17	43	13113	22.325 ug/l	# 73
38) Carbon Tetrachloride	7.95	117	8087	6.026 ug/l	# 15
76) 1,2,3-Trichloropropane	12.62	75	31993	59.059 ug/l	# 1
81) trans-1,4-Dichloro-2-buten	12.62	75	31993	137.530 ug/l	# 10

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008113.D

Acq: 09 Jan 2019 19:44

Instrument :

MSVOA_W

ClientSampleId :

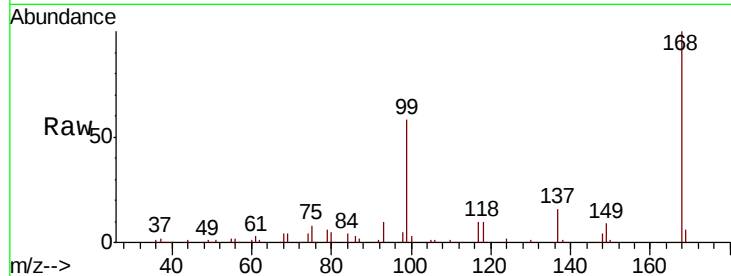
W12-8

Tgt Ion: 168 Resp: 81118

Ion Ratio Lower Upper

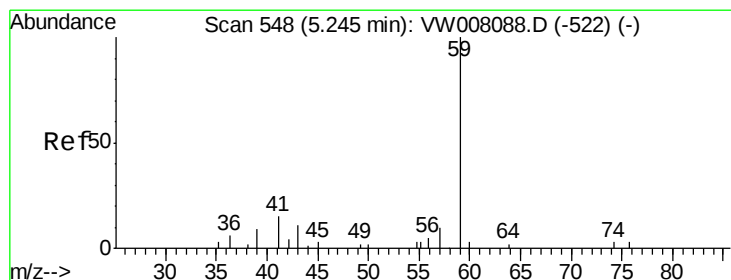
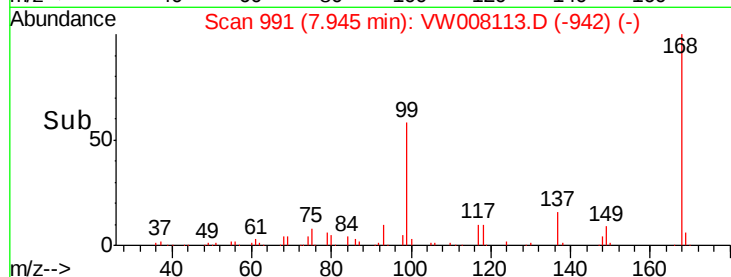
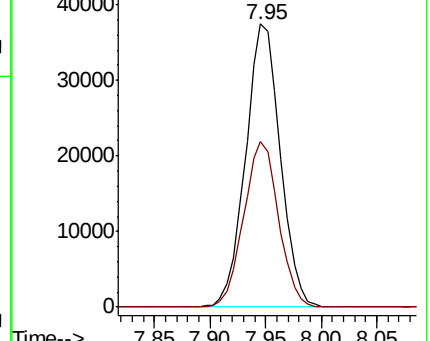
168 100

99 58.3 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.26 min Scan# 550

Delta R.T. 0.01 min

Lab File: VW008113.D

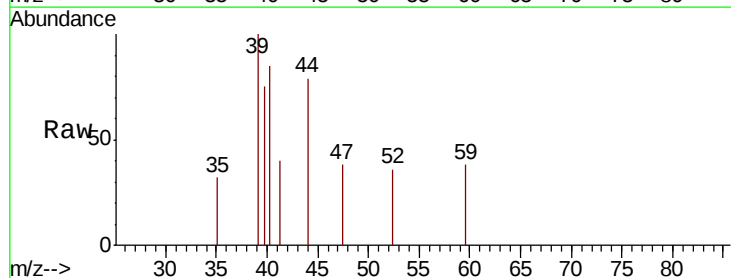
Acq: 09 Jan 2019 19:44

Tgt Ion: 59 Resp: 22

Ion Ratio Lower Upper

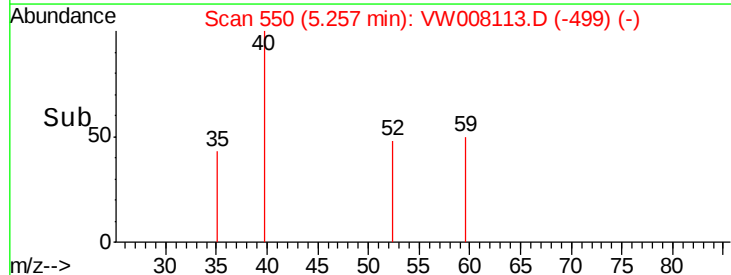
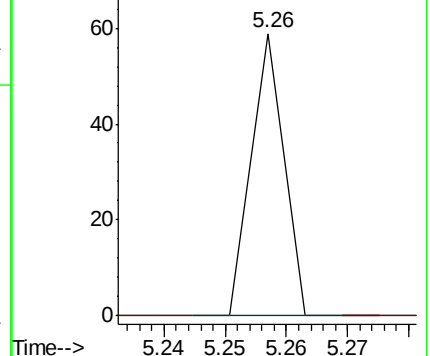
59 100

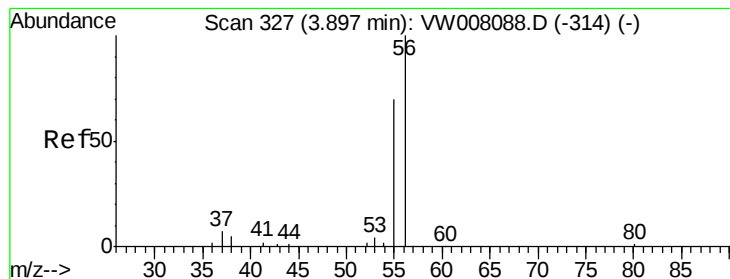
57 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 2.058 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW008113.D

Acq: 09 Jan 2019 19:44

Instrument :

MSVOA_W

ClientSampled :

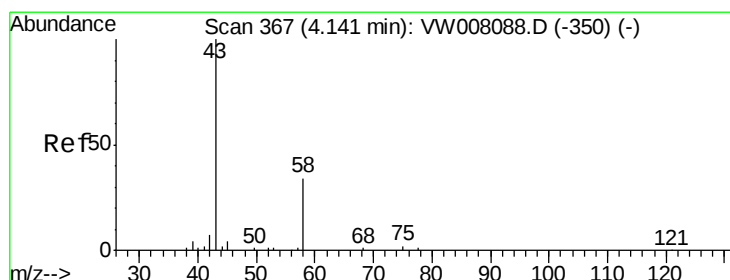
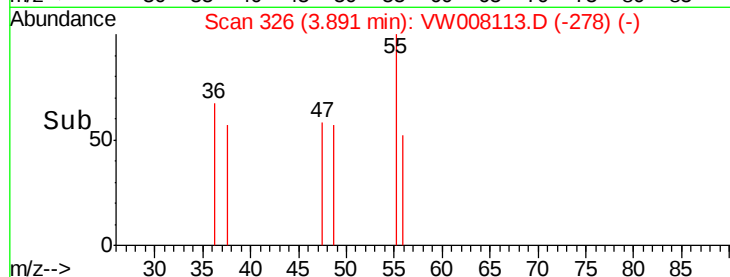
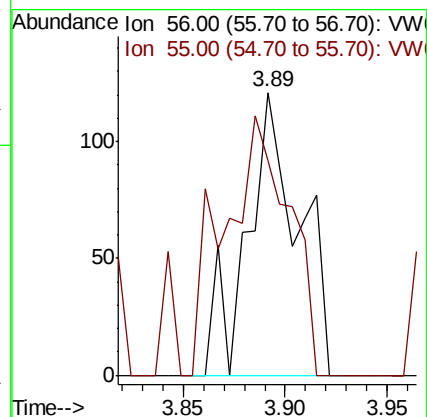
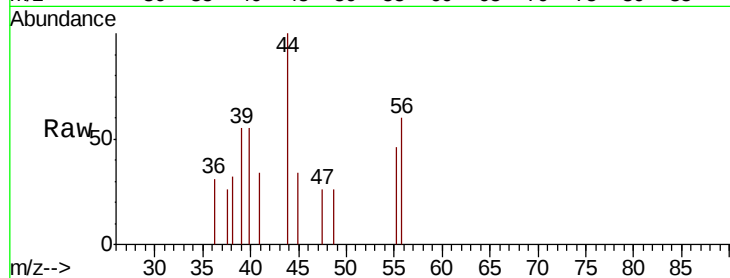
W12-8

Tgt Ion: 56 Resp: 215

Ion Ratio Lower Upper

56 100

55 114.4 56.6 84.8#



#16

Acetone

Concen: 226.561 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW008113.D

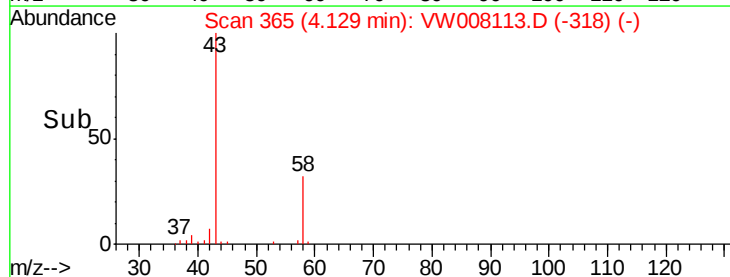
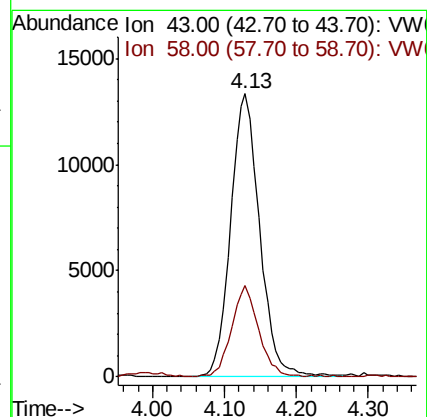
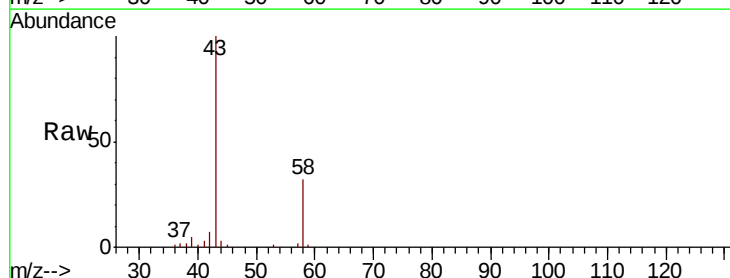
Acq: 09 Jan 2019 19:44

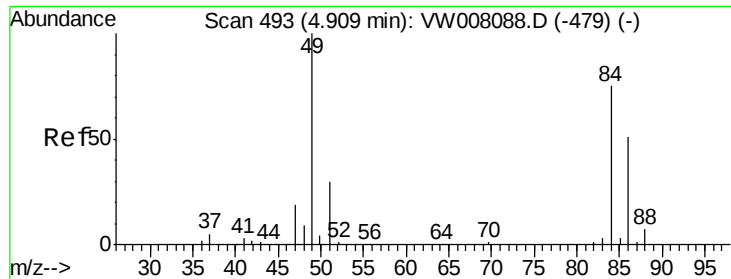
Tgt Ion: 43 Resp: 37453

Ion Ratio Lower Upper

43 100

58 32.3 27.5 41.3

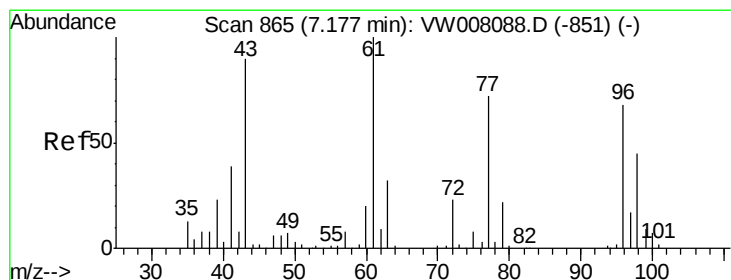
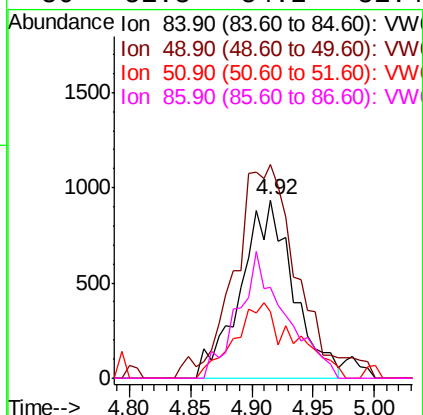
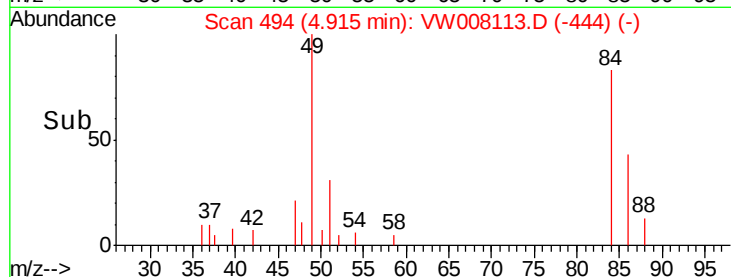
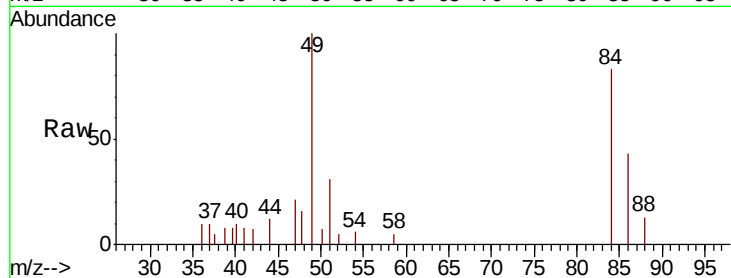




#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW008113.D
Acq: 09 Jan 2019 19:44

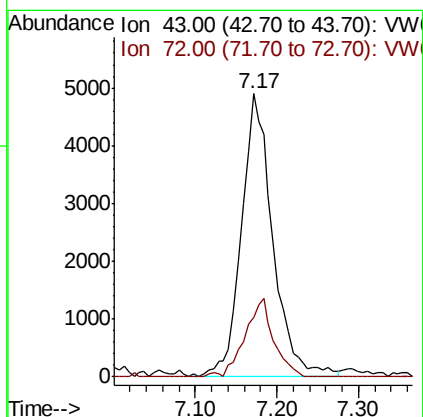
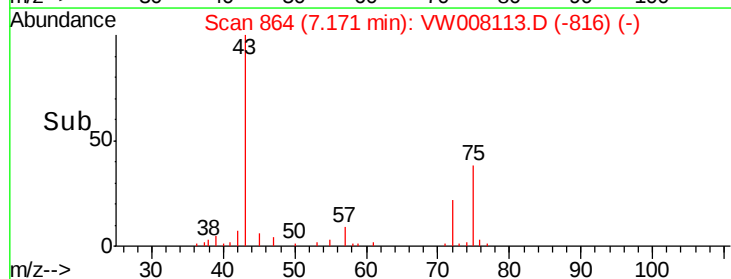
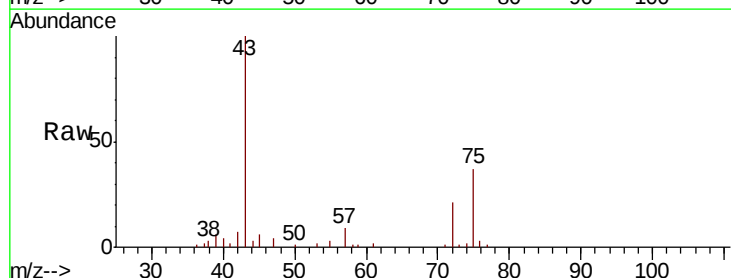
Instrument :
MSVOA_W
ClientSampleId :
W12-8

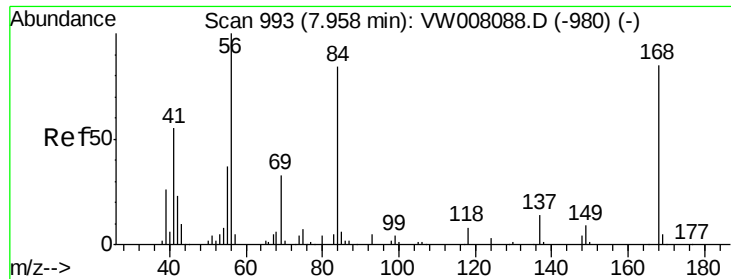
Tgt Ion: 84 Resp: 2786
Ion Ratio Lower Upper
84 100
49 108.7 107.1 160.7
51 37.2 32.4 48.6
86 51.3 54.2 81.4#



#25
2-Butanone
Concen: 51.695 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.01 min
Lab File: VW008113.D
Acq: 09 Jan 2019 19:44

Tgt Ion: 43 Resp: 13113
Ion Ratio Lower Upper
43 100
72 21.2 20.5 30.7

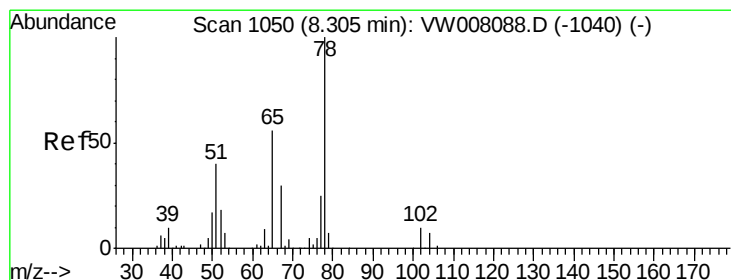
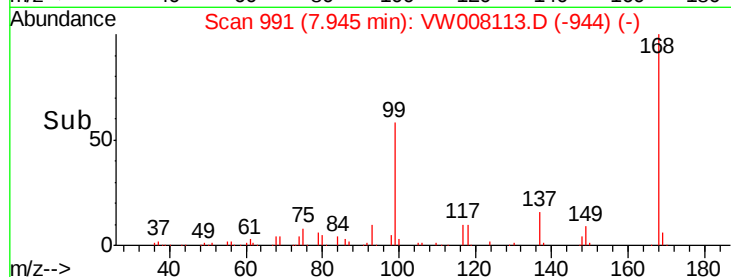
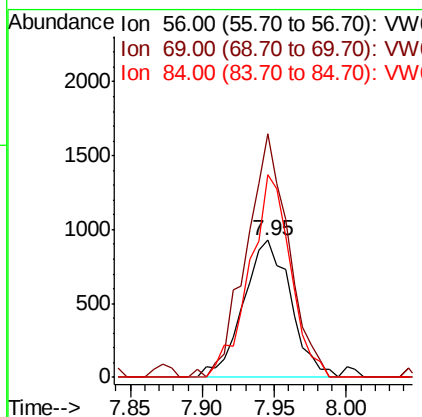
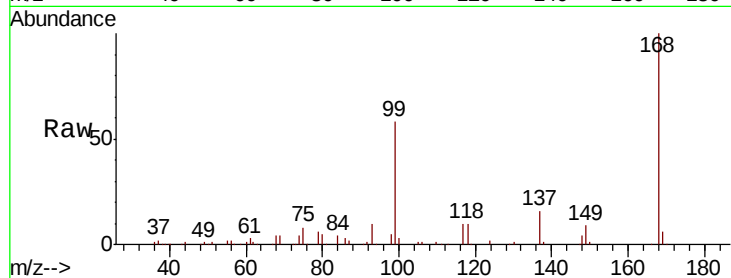




#31
Cyclohexane
Concen: 1.103 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008113.D
Acq: 09 Jan 2019 19:44

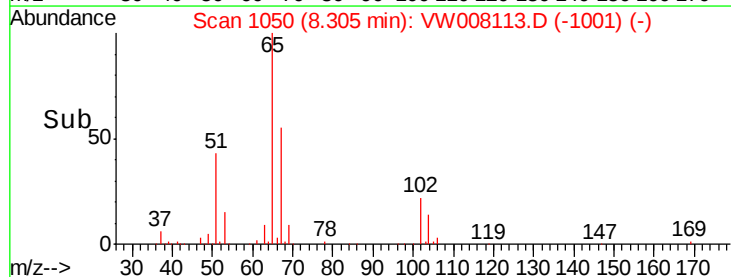
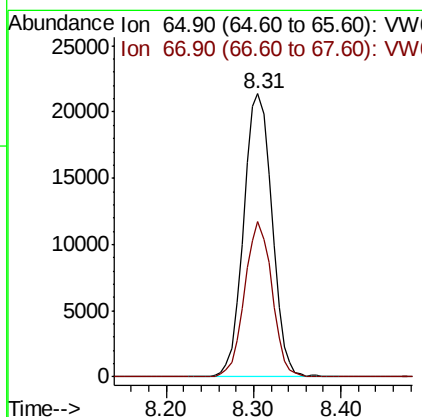
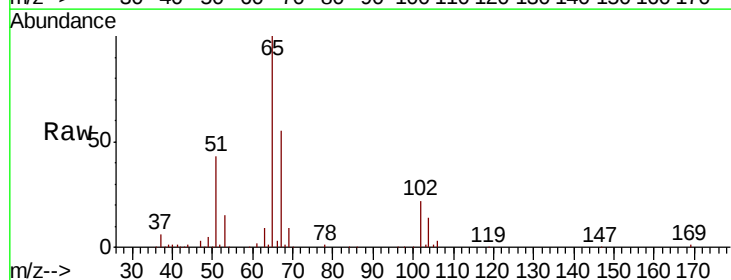
Instrument :
MSVOA_W
ClientSampled :
W12-8

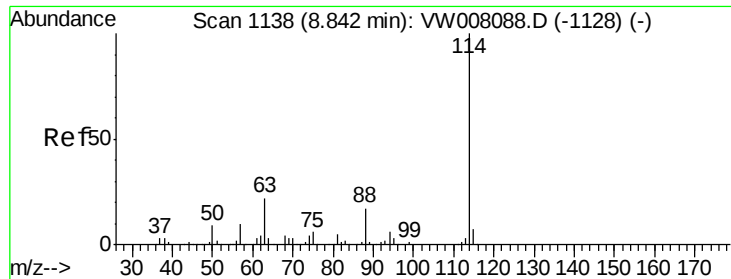
Tgt Ion: 56 Resp: 2117
Ion Ratio Lower Upper
56 100
69 177.4 26.2 39.4#
84 147.8 67.4 101.2#



#33
1,2-Dichloroethane-d4
Concen: 52.922 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW008113.D
Acq: 09 Jan 2019 19:44

Tgt Ion: 65 Resp: 48249
Ion Ratio Lower Upper
65 100
67 52.8 0.0 106.8

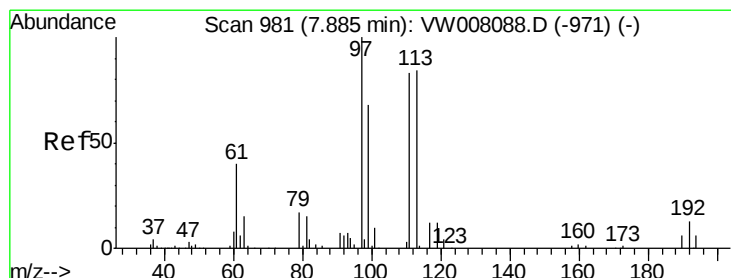
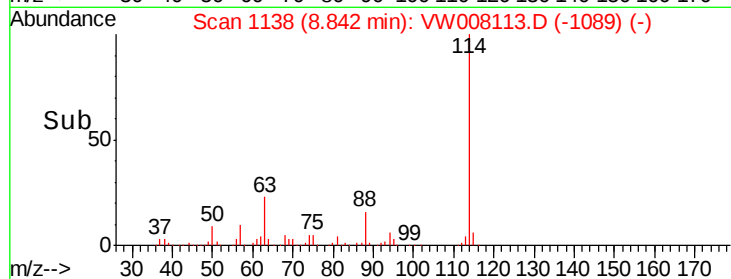
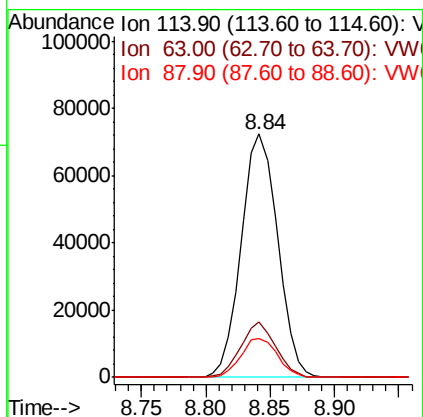
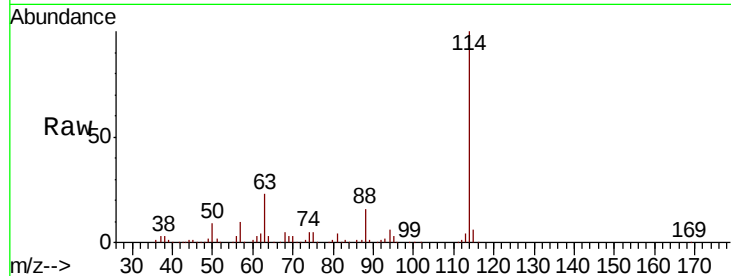




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008113.D
 Acq: 09 Jan 2019 19:44

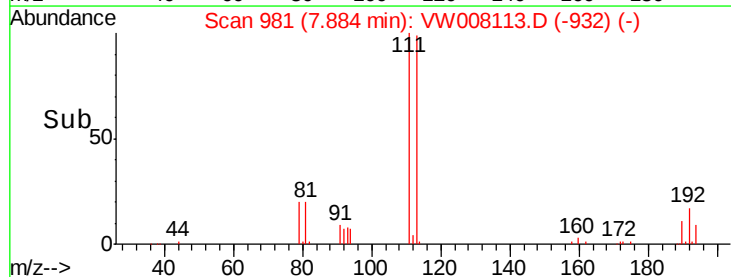
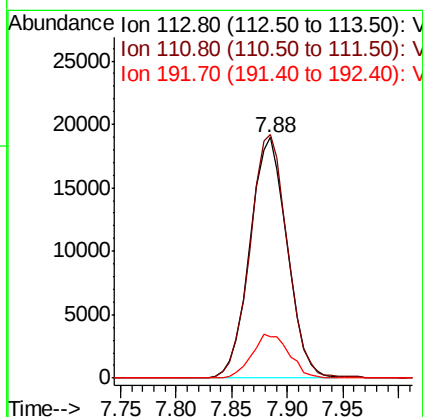
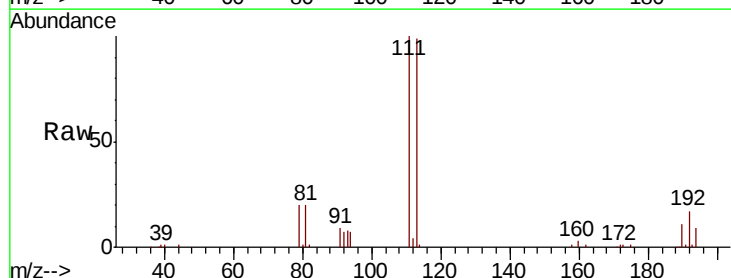
Instrument :
 MSVOA_W
 ClientSampleId :
 W12-8

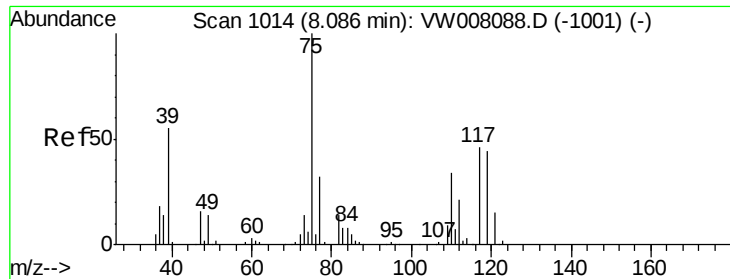
Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	43.4
88	15.9	0.0	33.4



#35
 Dibromofluoromethane
 Concen: 53.320 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008113.D
 Acq: 09 Jan 2019 19:44

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.8	122.8
192	18.2	12.8	19.2

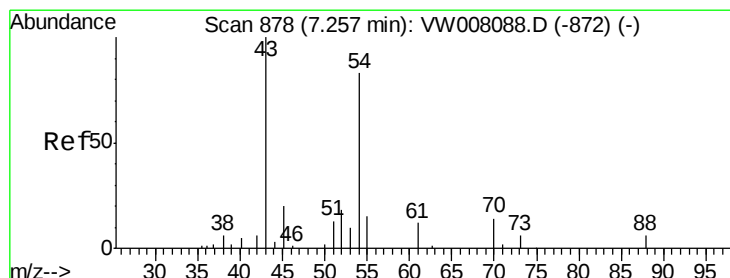
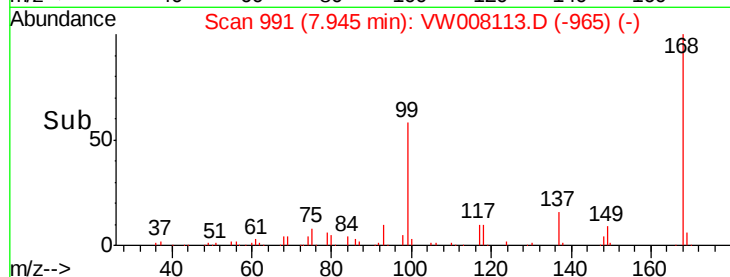
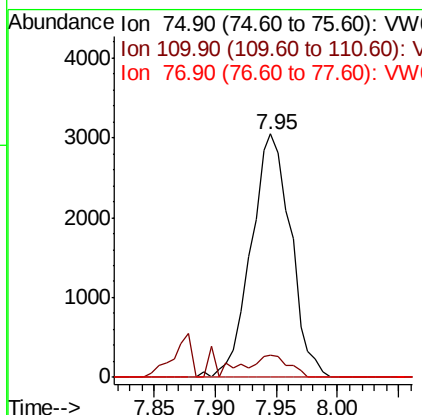
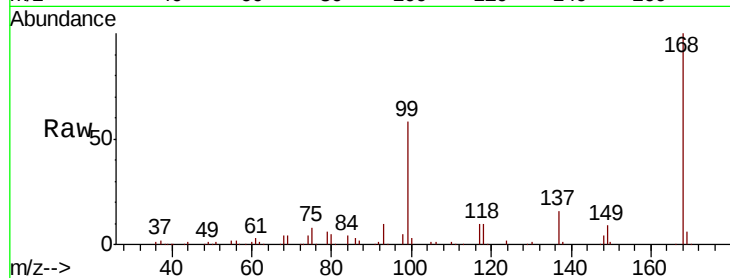




#36
 1,1-Dichloropropene
 Concen: 4.683 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW008113.D
 Acq: 09 Jan 2019 19:44

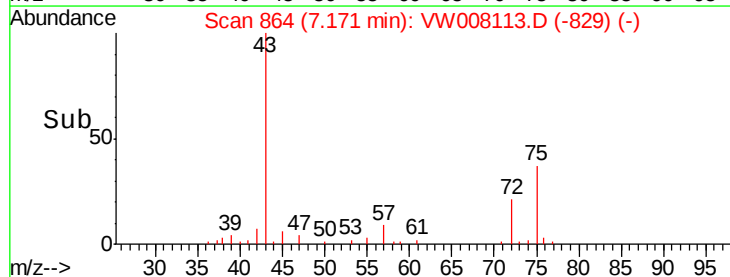
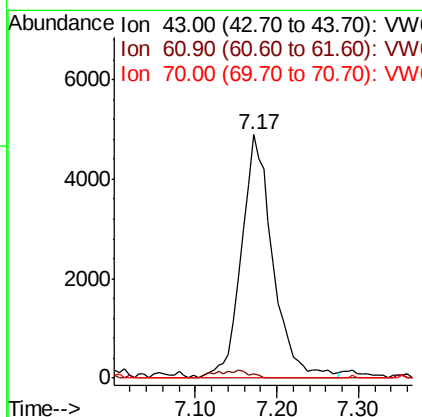
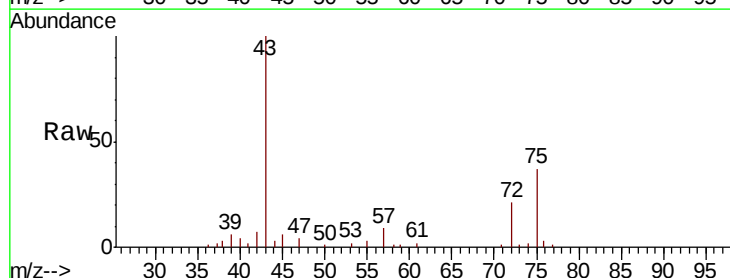
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 ClientSampleId :
 W12-8

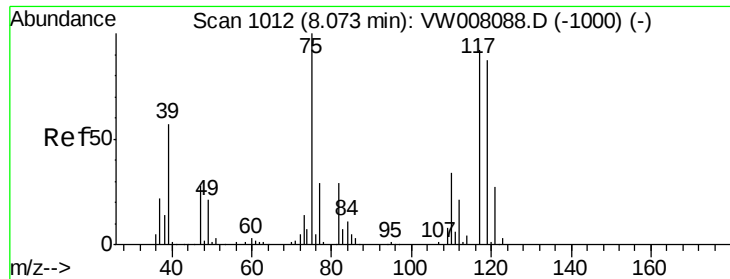
Tgt Ion: 75 Resp: 6866
 Ion Ratio Lower Upper
 75 100
 110 8.8 17.1 51.3#
 77 0.0 25.5 38.3#



#37
 Ethyl Acetate
 Concen: 22.325 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.09 min
 Lab File: VW008113.D
 Acq: 09 Jan 2019 19:44

Tgt Ion: 43 Resp: 13113
 Ion Ratio Lower Upper
 43 100
 61 3.4 10.6 16.0#
 70 0.0 8.9 13.3#





#38

Carbon Tetrachloride

Concen: 6.026 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008113.D

Acq: 09 Jan 2019 19:44

Instrument :

MSVOA_W

ClientSampleId :

W12-8

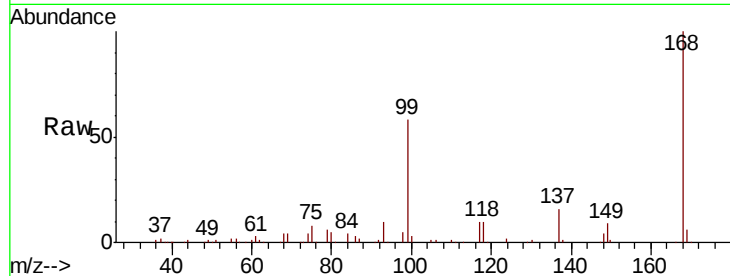
Tgt Ion: 117 Resp: 8087

Ion Ratio Lower Upper

117 100

119 3.4 75.8 113.8#

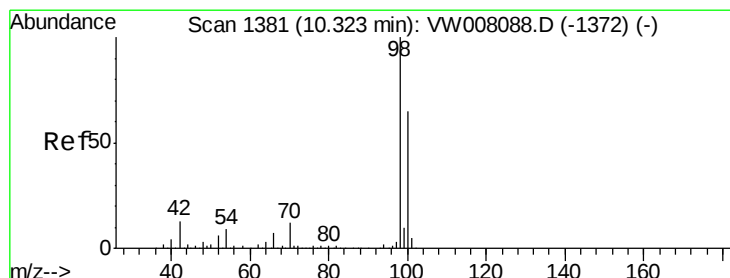
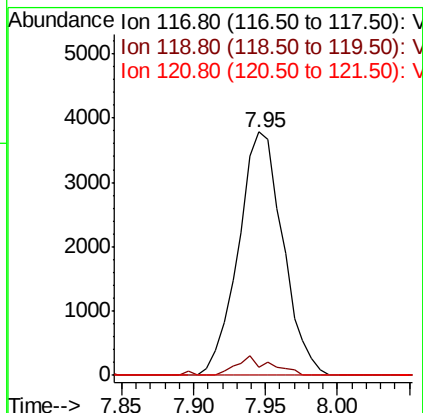
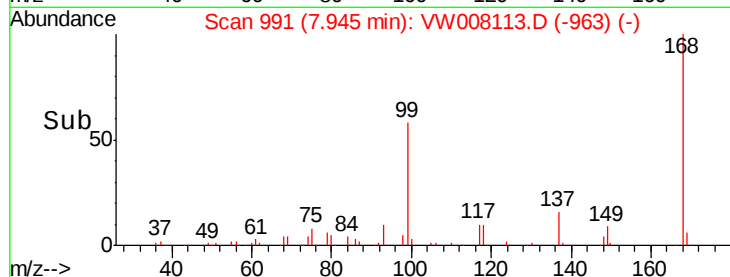
121 0.0 23.7 35.5#



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: 51.736 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008113.D

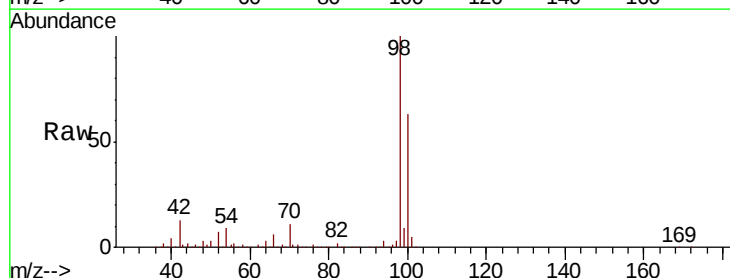
Acq: 09 Jan 2019 19:44

Tgt Ion: 98 Resp: 180224

Ion Ratio Lower Upper

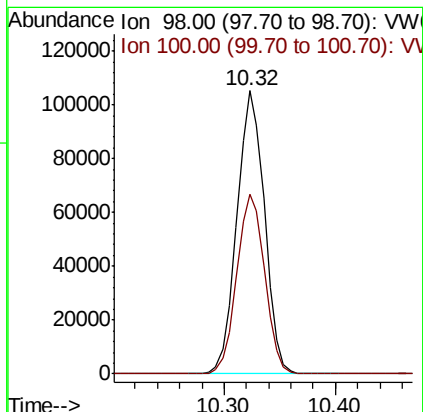
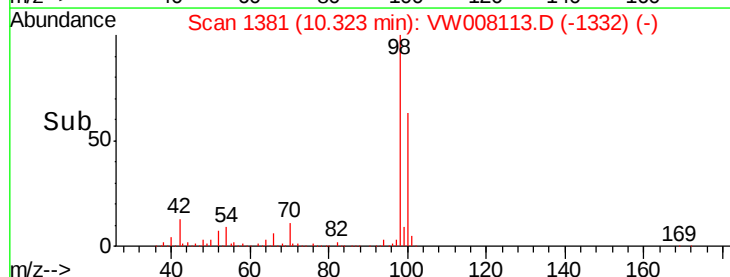
98 100

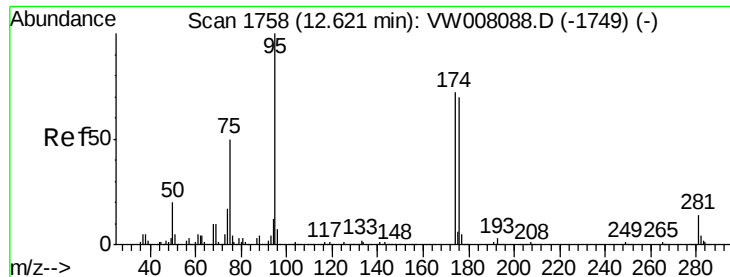
100 64.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

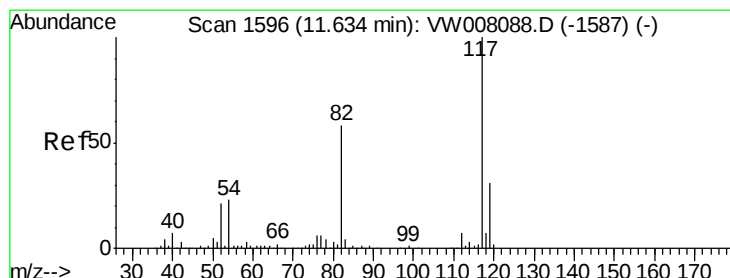
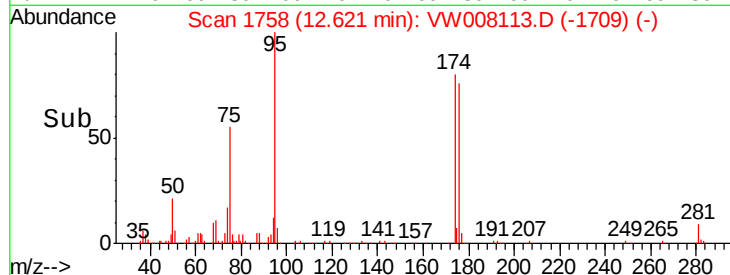
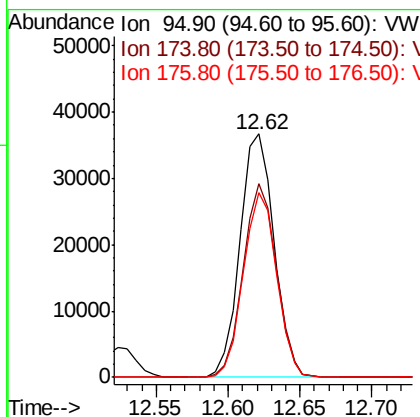
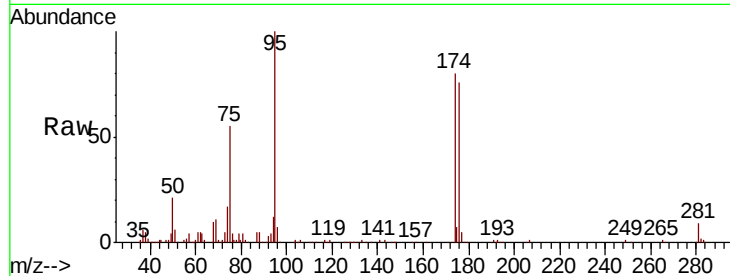




#62
4-Bromofluorobenzene
Concen: 48.415 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW008113.D
Acq: 09 Jan 2019 19:44

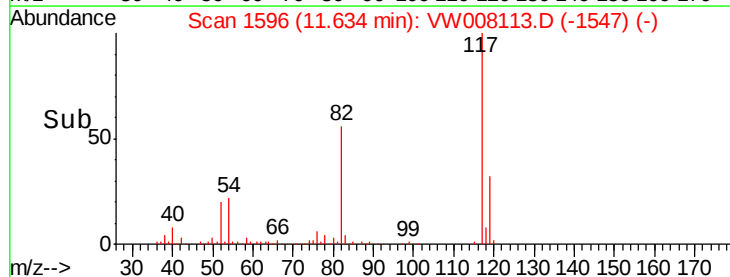
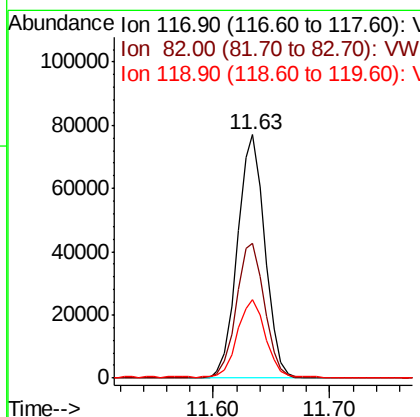
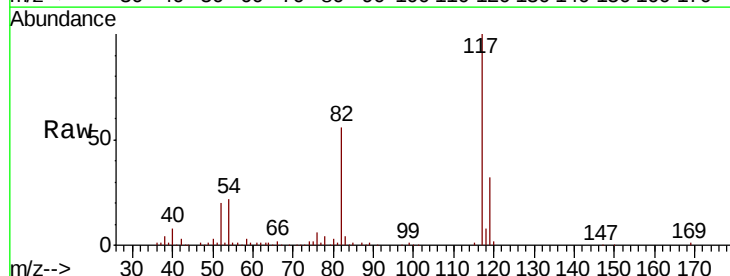
Instrument :
MSVOA_W
ClientSampleId :
W12-8

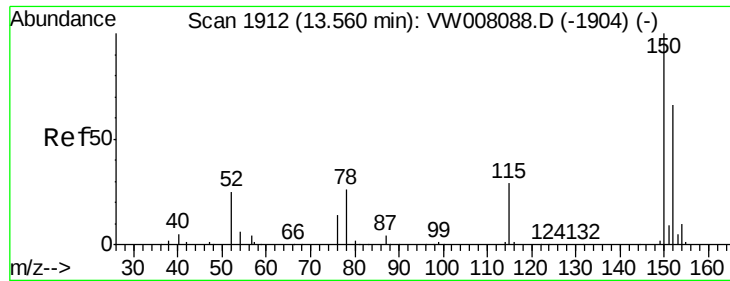
Tgt Ion: 95 Resp: 60462
Ion Ratio Lower Upper
95 100
174 77.2 0.0 143.0
176 73.8 0.0 140.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008113.D
Acq: 09 Jan 2019 19:44

Tgt Ion: 117 Resp: 126368
Ion Ratio Lower Upper
117 100
82 55.6 46.4 69.6
119 31.8 24.7 37.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008113.D

Acq: 09 Jan 2019 19:44

Instrument :

MSVOA_W

ClientSampleId :

W12-8

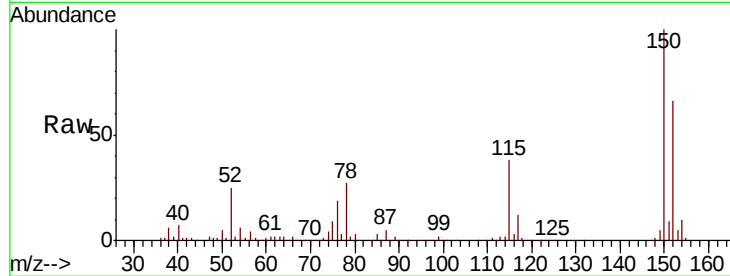
Tgt Ion:152 Resp: 59424

Ion Ratio Lower Upper

152 100

115 59.7 30.8 92.4

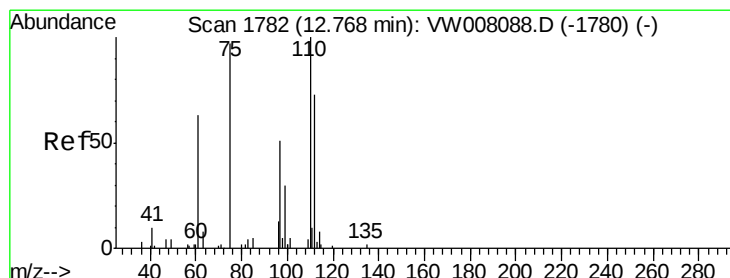
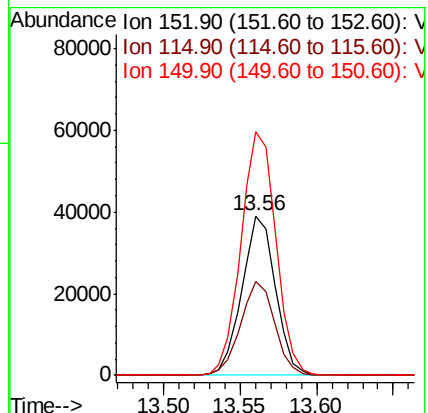
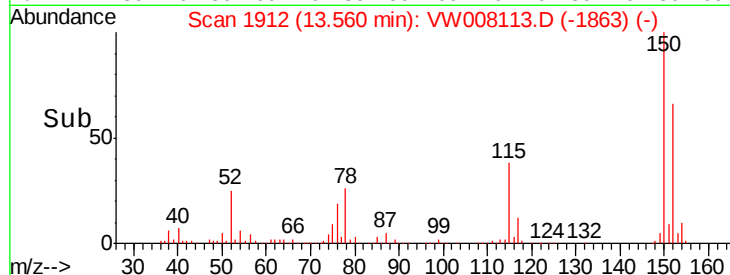
150 159.1 0.0 350.2



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: 59.059 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008113.D

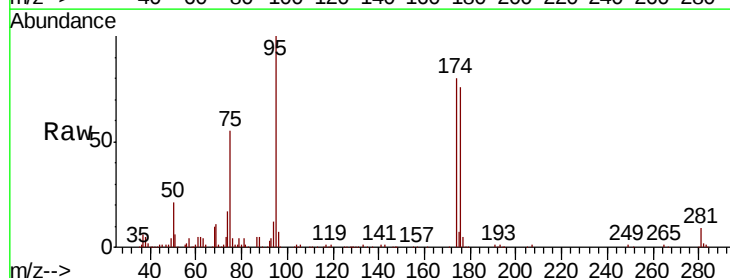
Acq: 09 Jan 2019 19:44

Tgt Ion: 75 Resp: 31993

Ion Ratio Lower Upper

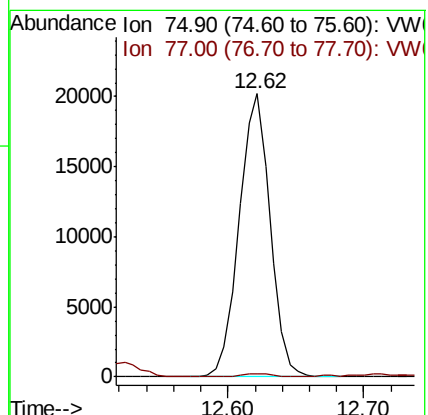
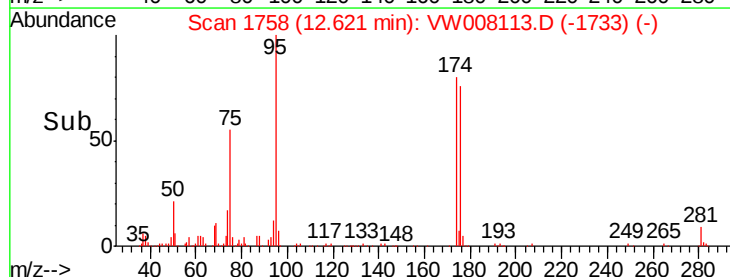
75 100

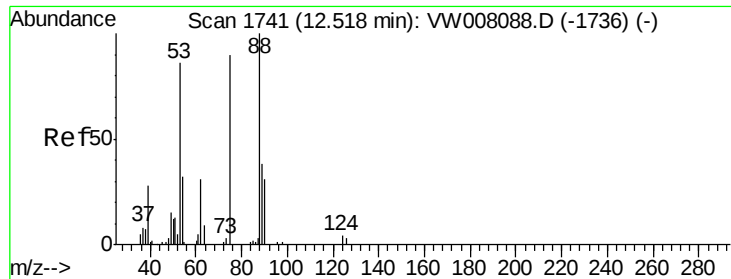
77 1.2 179.4 538.2#



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: 137.530 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008113.D

Acq: 09 Jan 2019 19:44

Instrument :

MSVOA_W

ClientSampleId :

W12-8

Tgt Ion: 75 Resp: 31993

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 0.2 35.4 53.2#

