

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081619\
 Data File : VW011938.D
 Acq On : 15 Aug 2019 19:36
 Operator : SY/VA
 Sample : K4339-04RE
 Misc : 5.55G/5ML/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T8-A3-(0)

Quant Time: Aug 16 04:35:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	190176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	317861	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	249011	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	76693	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	129842	59.46	ug/l	0.00
Spiked Amount			Recovery	=	118.92%	
35) Dibromofluoromethane	7.88	113	99963	56.06	ug/l	0.00
Spiked Amount			Recovery	=	112.12%	
50) Toluene-d8	10.32	98	384576	52.67	ug/l	0.00
Spiked Amount			Recovery	=	105.34%	
62) 4-Bromofluorobenzene	12.62	95	108124	41.54	ug/l	0.00
Spiked Amount			Recovery	=	83.08%	

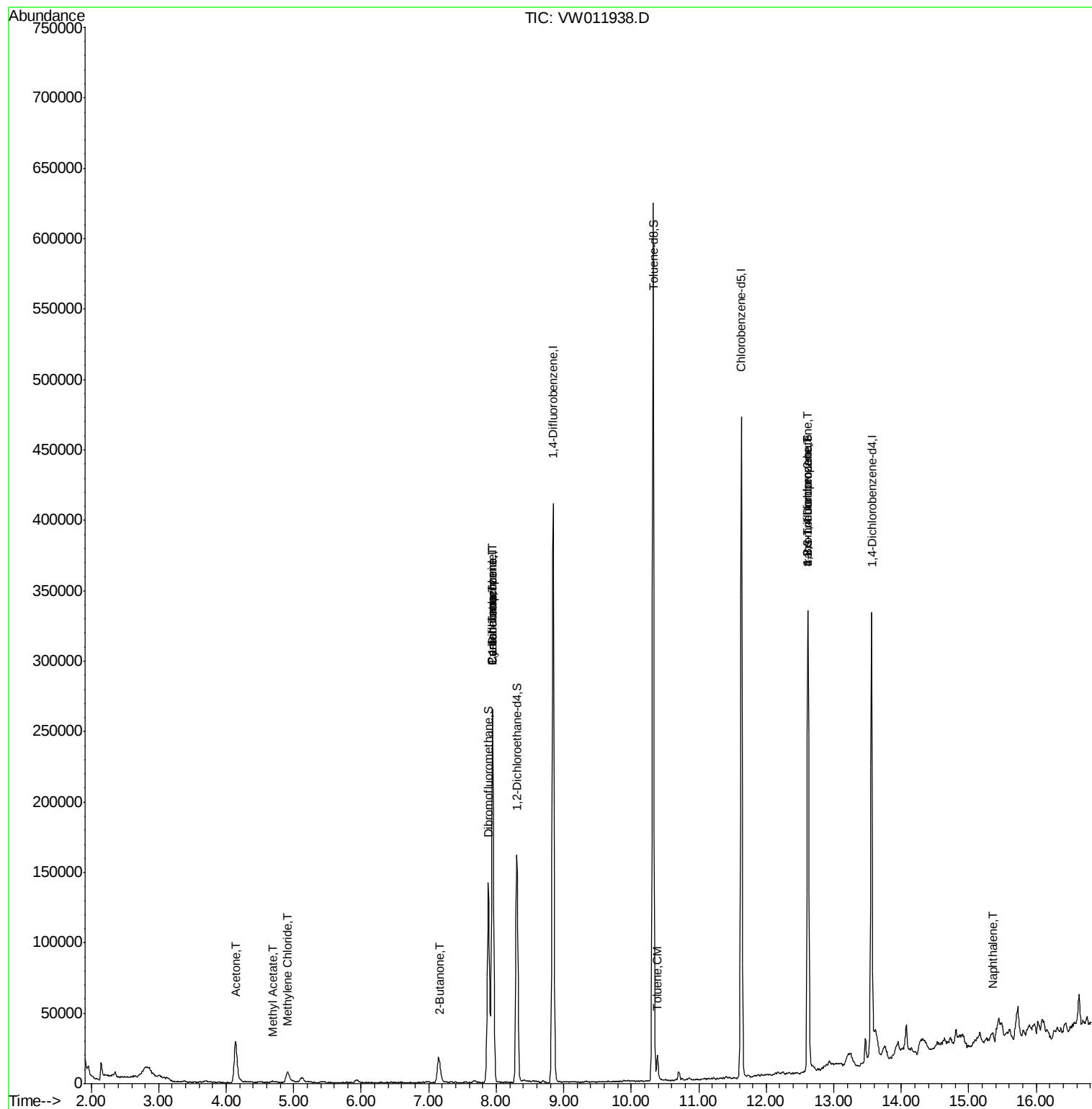
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	335	Below Cal	#	78
16) Acetone	4.14	43	60395	86.944	ug/l	100
18) Methyl Acetate	4.68	43	2523	1.617	ug/l #	81
20) Methylene Chloride	4.90	84	5616	2.344	ug/l #	85
25) 2-Butanone	7.17	43	1551	1.706	ug/l	95
31) Cyclohexane	7.95	56	5176	1.268	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	16547	5.006	ug/l #	52
38) Carbon Tetrachloride	7.95	117	19243	6.801	ug/l #	17
52) Toluene	10.39	92	6963	1.245	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	57820	71.251	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	57820	164.208	ug/l #	7
95) Naphthalene	15.36	128	878	2.344	ug/l #	90

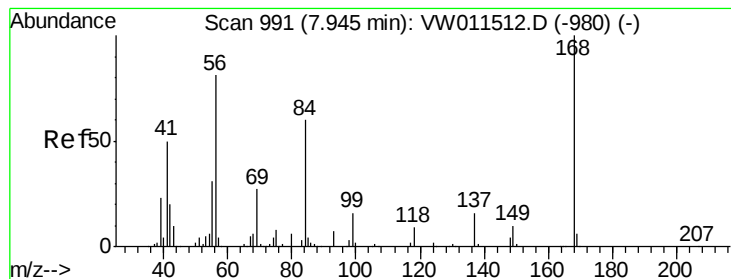
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW081619\
Data File : VW011938.D
Acq On : 15 Aug 2019 19:36
Operator : SY/VA
Sample : K4339-04RE
Misc : 5.55G/5ML/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T8-A3-(0)

Quant Time: Aug 16 04:35:57 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011938.D

Acq: 15 Aug 2019 19:36

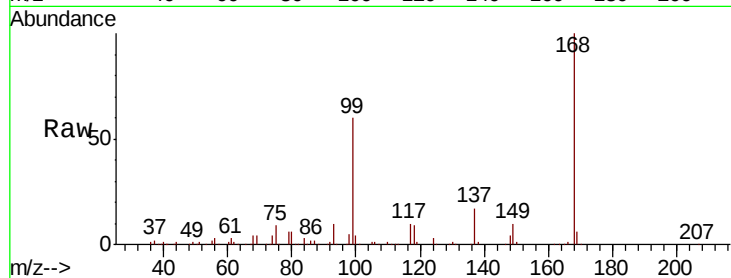
Instrument :
MSVOA_W
ClientSampleId :
T8-A3-(0)

Tgt Ion: 168 Resp: 190176

Ion Ratio Lower Upper

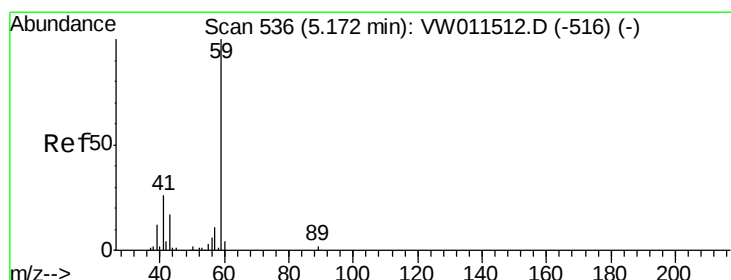
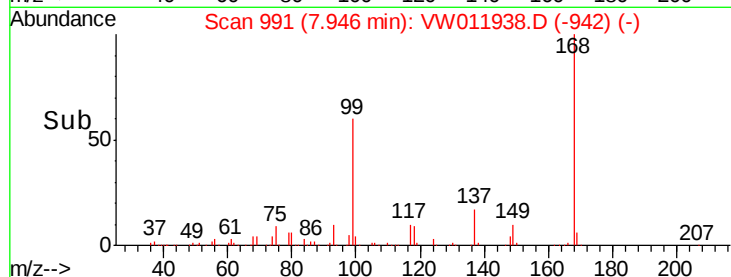
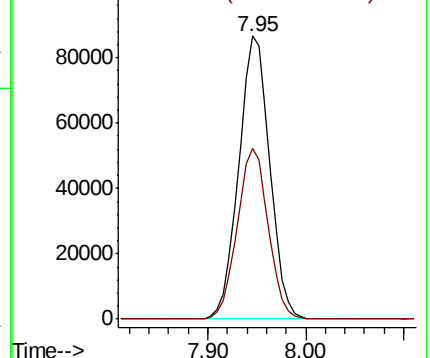
168 100

99 60.5 48.2 72.4



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: 5.21 min Scan# 542

Delta R.T. 0.04 min

Lab File: VW011938.D

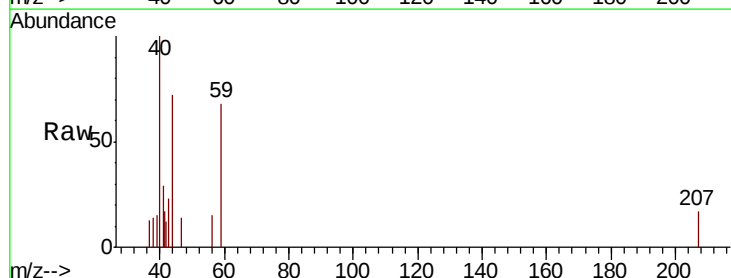
Acq: 15 Aug 2019 19:36

Tgt Ion: 59 Resp: 335

Ion Ratio Lower Upper

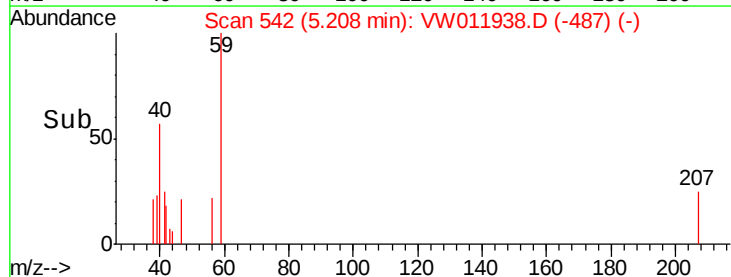
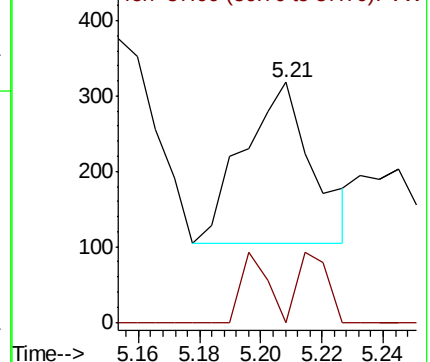
59 100

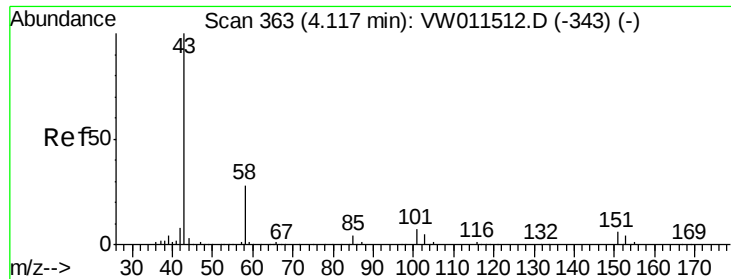
57 18.8 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 86.944 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW011938.D

Acq: 15 Aug 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

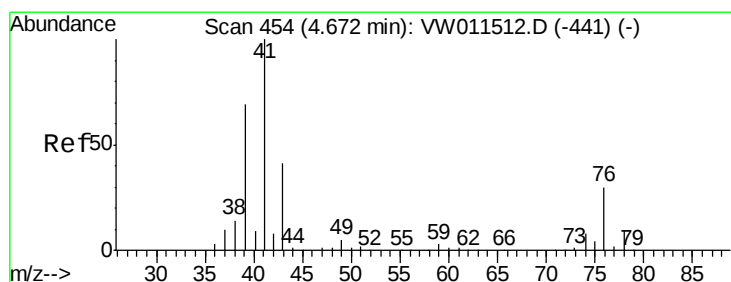
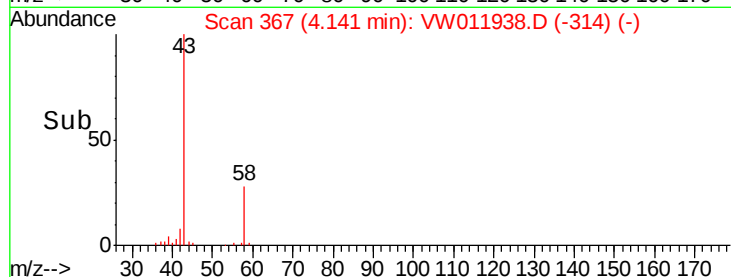
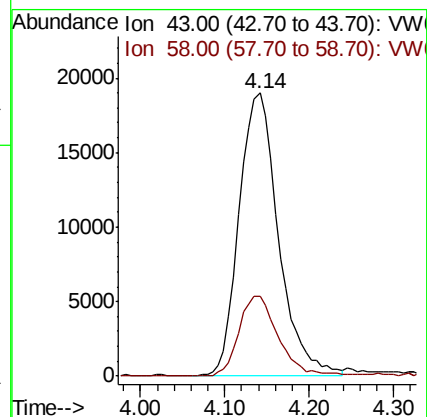
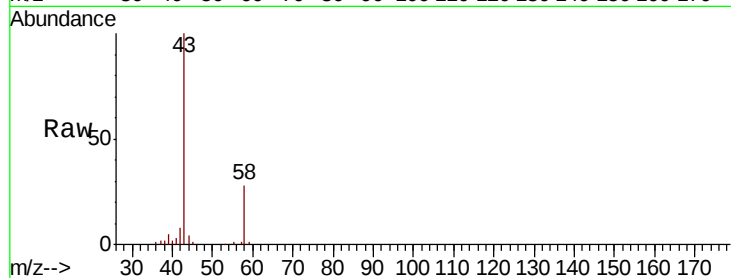
T8-A3-(0)

Tgt Ion: 43 Resp: 60395

Ion Ratio Lower Upper

43 100

58 28.1 22.3 33.5



#18

Methyl Acetate

Concen: 1.617 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW011938.D

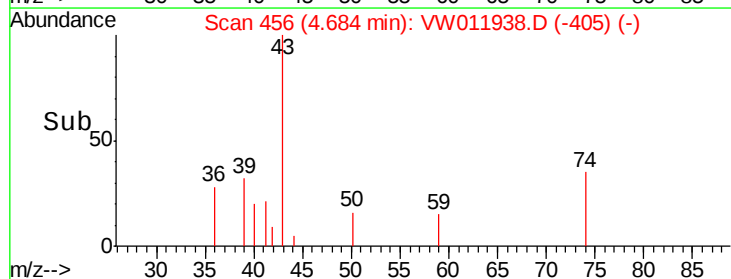
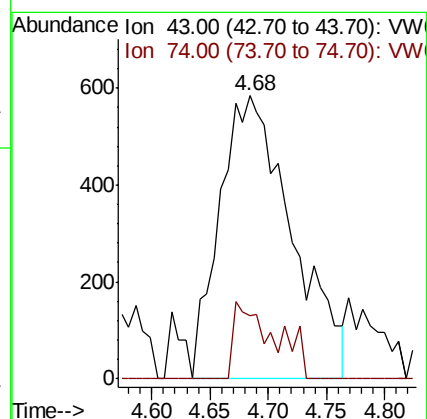
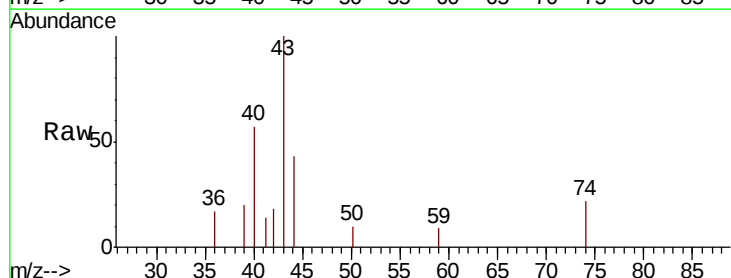
Acq: 15 Aug 2019 19:36

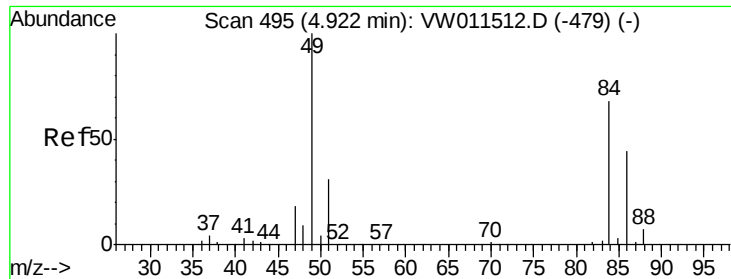
Tgt Ion: 43 Resp: 2523

Ion Ratio Lower Upper

43 100

74 11.3 15.9 23.9#

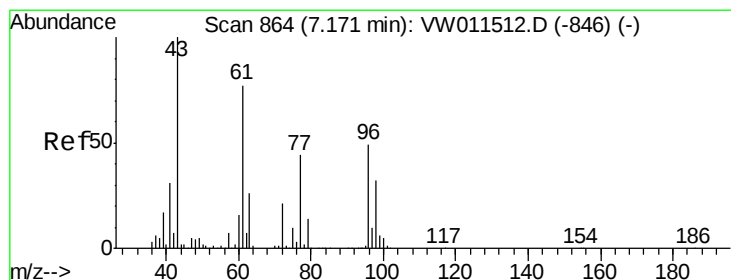
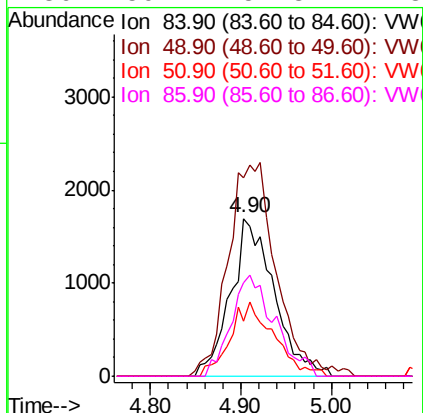
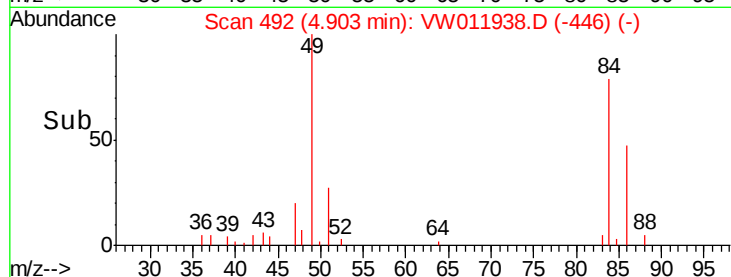
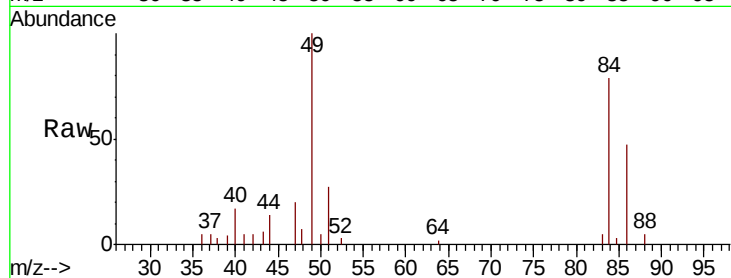




#20
Methylene Chloride
Concen: 2.344 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW011938.D
Acq: 15 Aug 2019 19:36

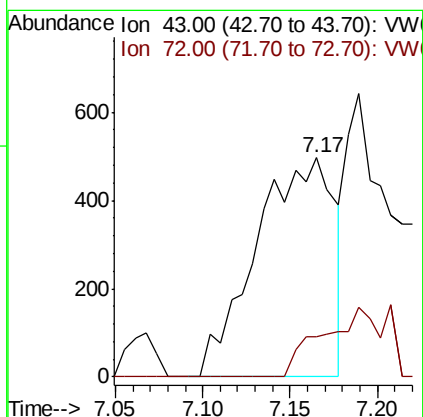
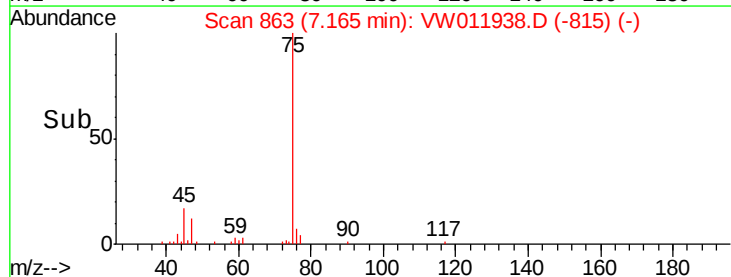
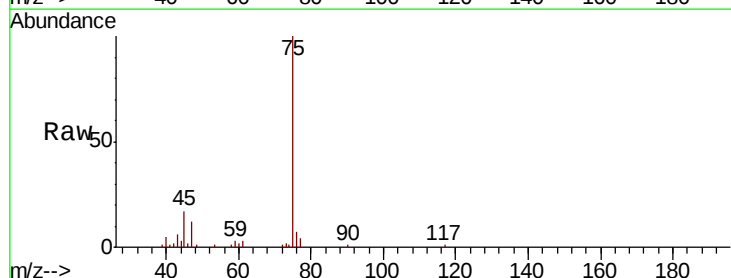
Instrument :
MSVOA_W
ClientSampleId :
T8-A3-(0)

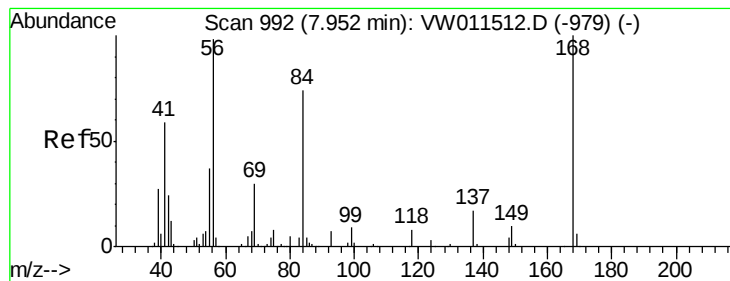
Tgt Ion: 84 Resp: 5616
Ion Ratio Lower Upper
84 100
49 125.9 117.8 176.6
51 34.5 37.0 55.4#
86 59.1 51.8 77.8



#25
2-Butanone
Concen: 1.706 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW011938.D
Acq: 15 Aug 2019 19:36

Tgt Ion: 43 Resp: 1551
Ion Ratio Lower Upper
43 100
72 18.1 16.6 24.8





#31

Cyclohexane

Concen: 1.268 ug/l

RT: 7.95 min Scan# 991

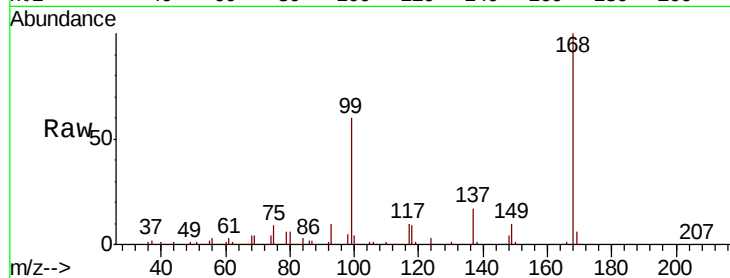
Delta R.T. -0.01 min

Lab File: VW011938.D

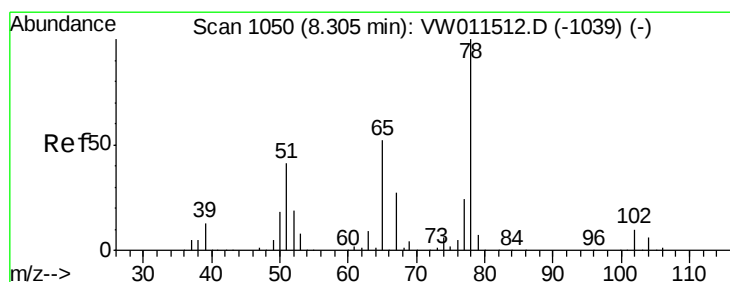
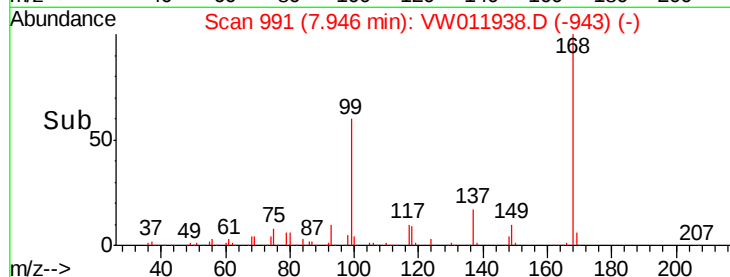
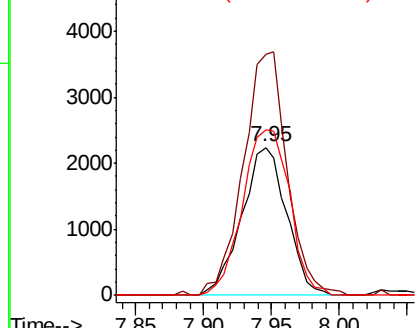
Acq: 15 Aug 2019 19:36

Instrument :
MSVOA_W
ClientSampled :
T8-A3-(0)

Tgt Ion:	56	Resp:	5176
Ion	Ratio	Lower	Upper
56	100		
69	163.2	24.3	36.5#
84	120.0	60.4	90.6#



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: 59.458 ug/l

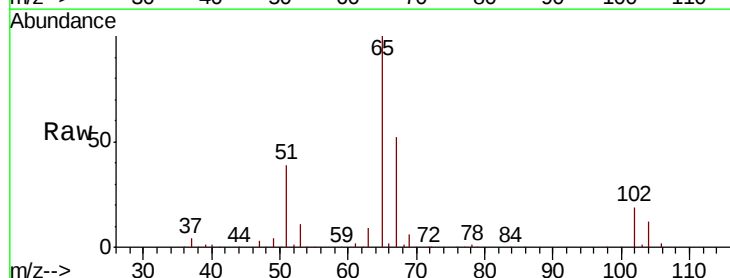
RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

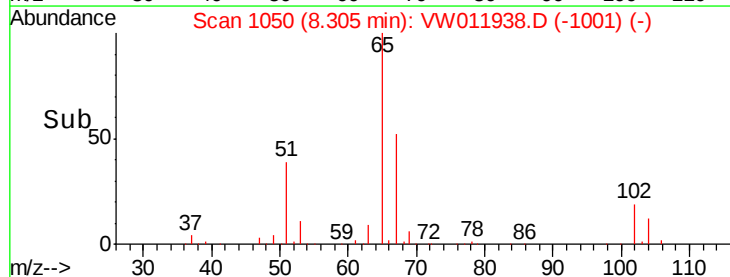
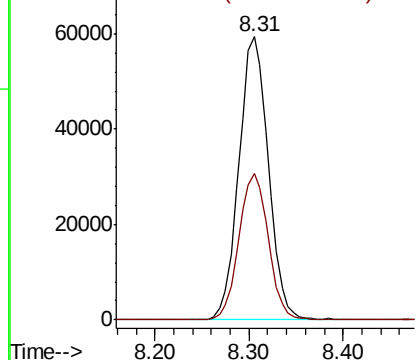
Lab File: VW011938.D

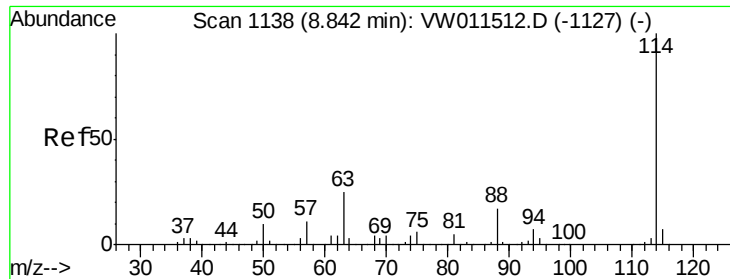
Acq: 15 Aug 2019 19:36

Tgt Ion:	65	Resp:	129842
Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	105.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

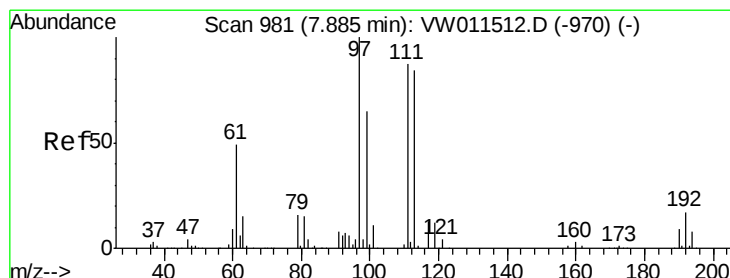
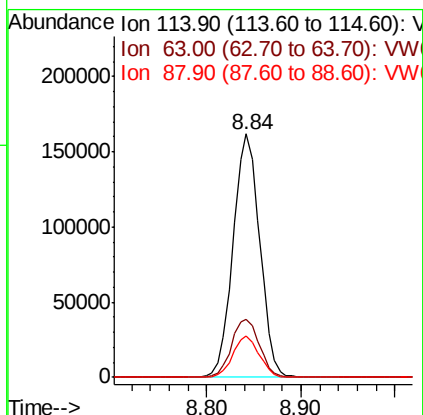
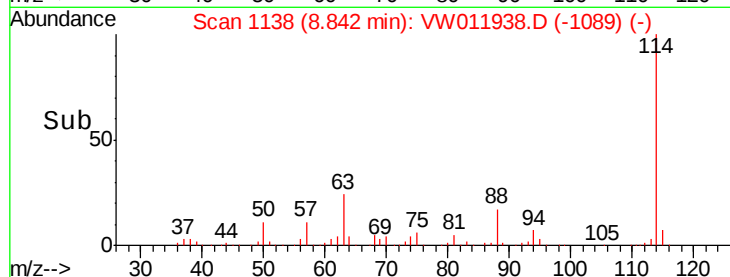
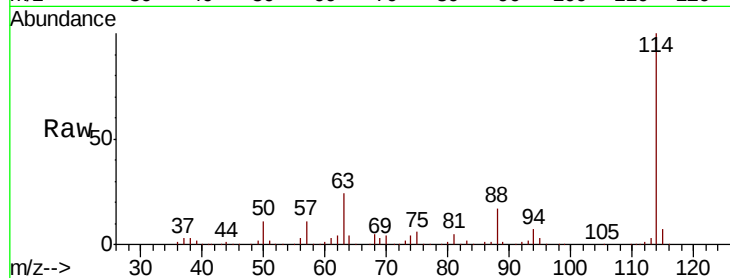




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011938.D
 Acq: 15 Aug 2019 19:36

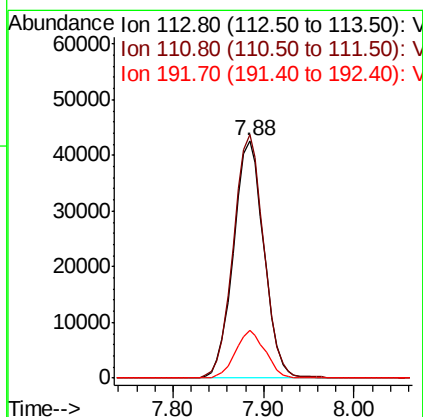
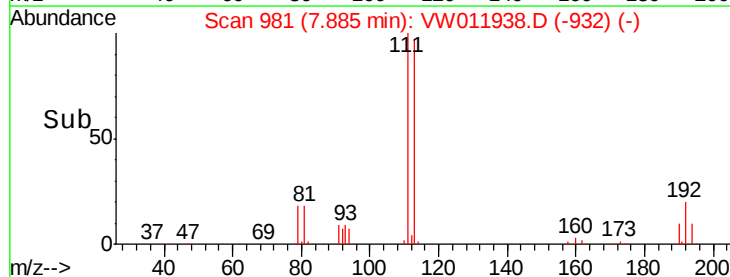
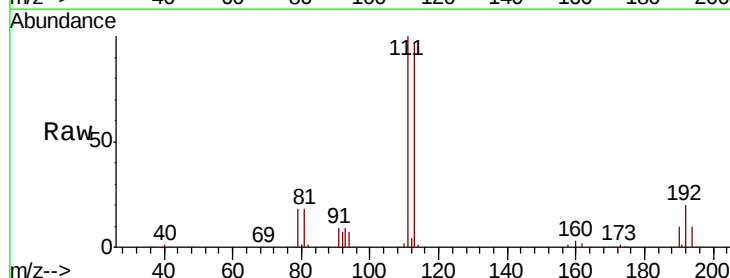
Instrument :
 MSVOA_W
 ClientSampleId :
 T8-A3-(0)

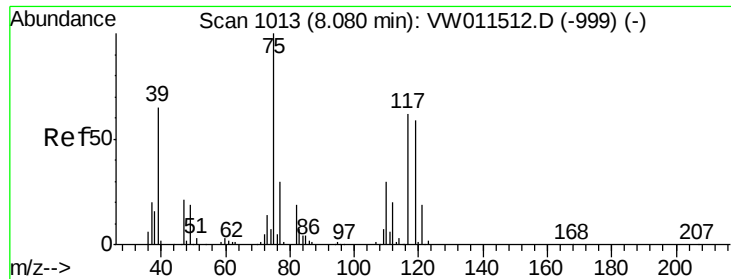
Tgt Ion:114 Resp: 317861
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 49.2
 88 16.9 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 56.056 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW011938.D
 Acq: 15 Aug 2019 19:36

Tgt Ion:113 Resp: 99963
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.7 124.1
 192 19.7 16.1 24.1

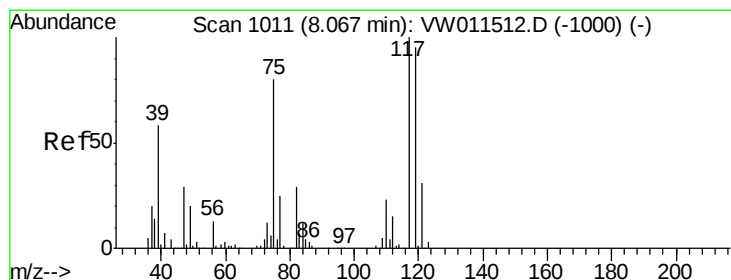
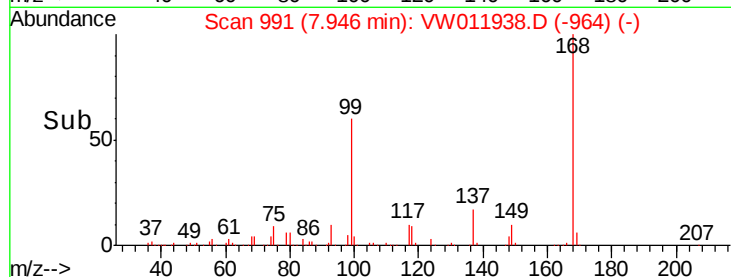
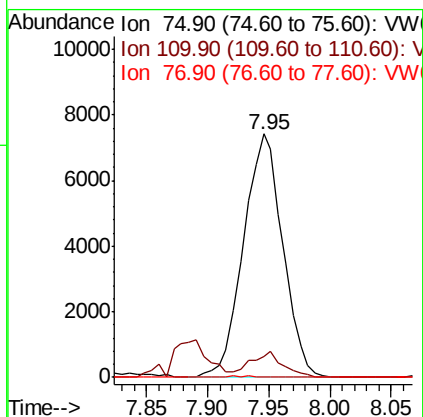
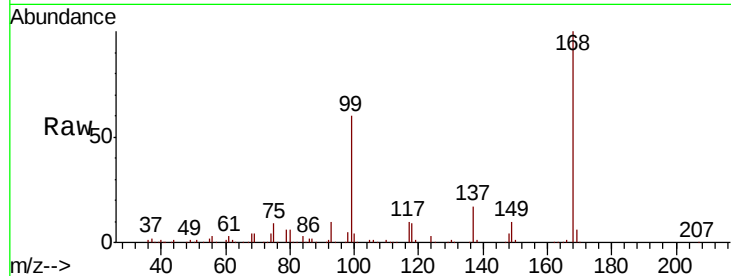




#36
 1,1-Dichloropropene
 Concen: 5.006 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011938.D
 Acq: 15 Aug 2019 19:36

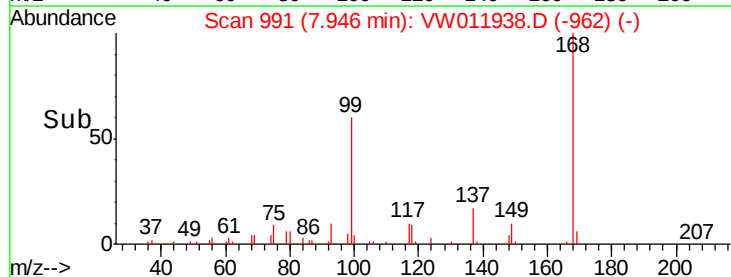
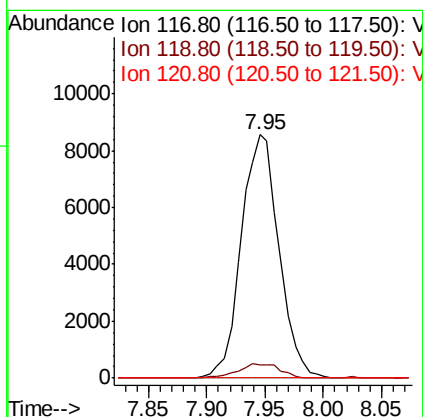
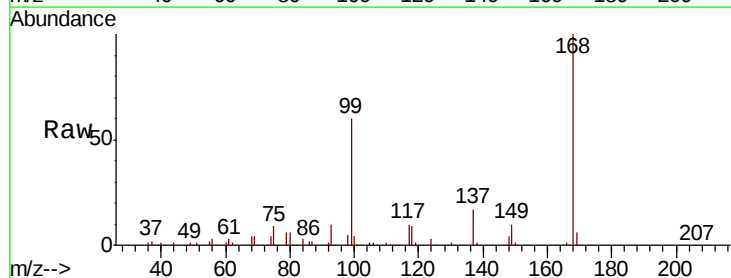
Instrument :
 MSVOA_W
 ClientSampleId :
 T8-A3-(0)

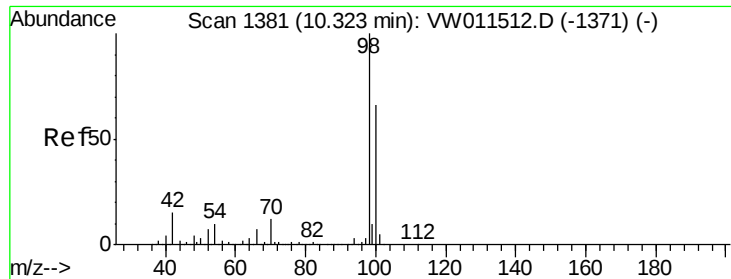
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	15.6	46.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.801 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011938.D
 Acq: 15 Aug 2019 19:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	75.8	113.6#
121	0.0	24.7	37.1#

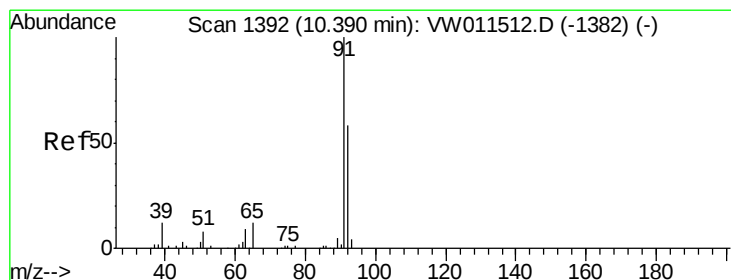
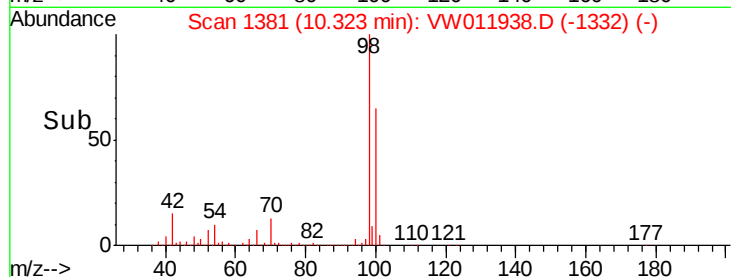
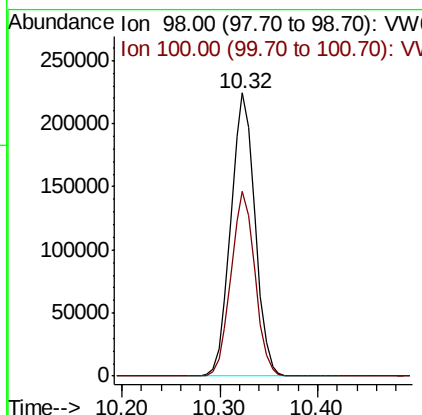
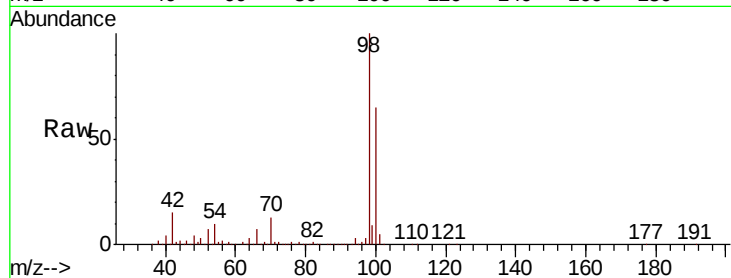




#50
Toluene-d8
Concen: 52.673 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011938.D
Acq: 15 Aug 2019 19:36

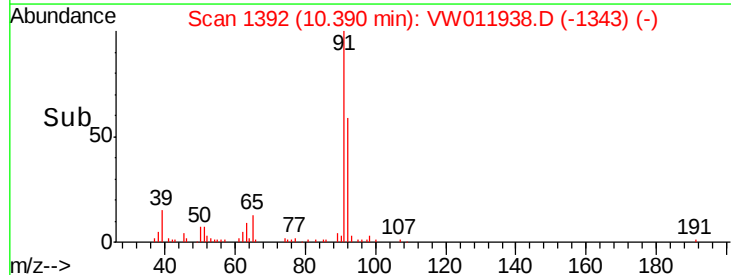
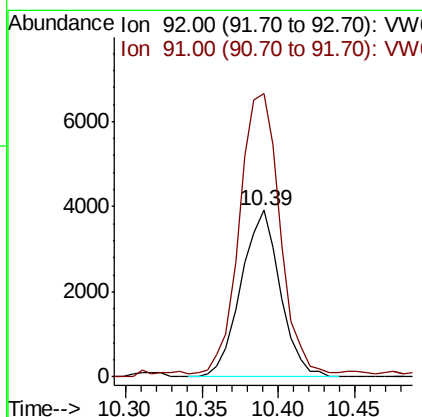
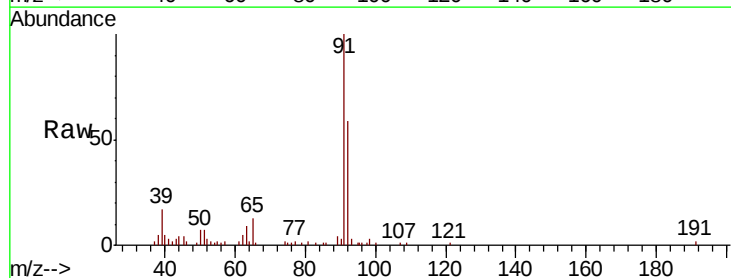
Instrument :
MSVOA_W
ClientSampleId :
T8-A3-(0)

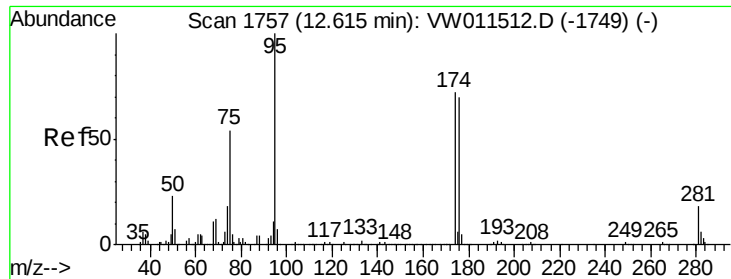
Tgt Ion: 98 Resp: 384576
Ion Ratio Lower Upper
98 100
100 64.6 52.7 79.1



#52
Toluene
Concen: 1.245 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW011938.D
Acq: 15 Aug 2019 19:36

Tgt Ion: 92 Resp: 6963
Ion Ratio Lower Upper
92 100
91 174.5 136.7 205.1

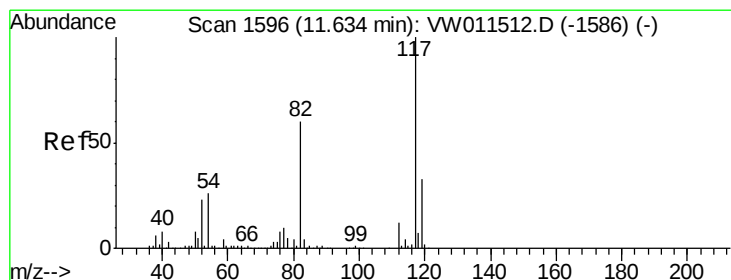
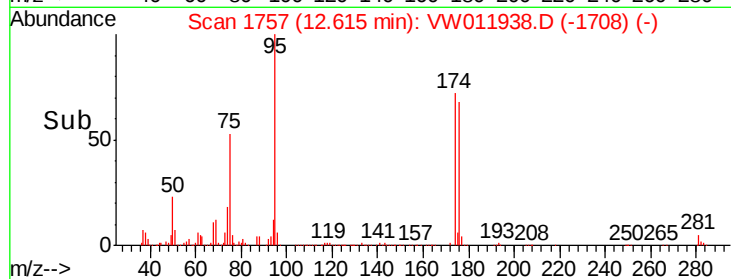
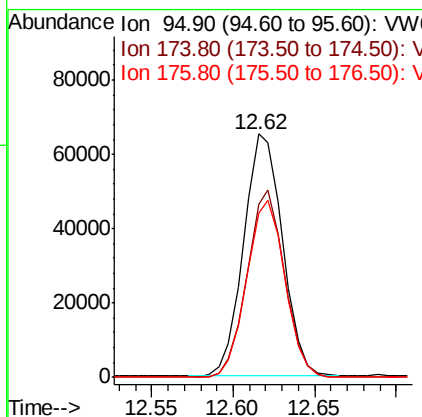
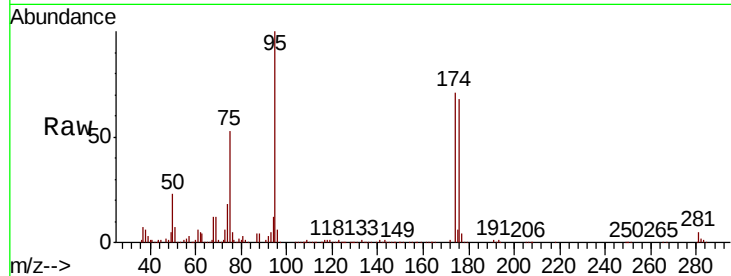




#62
4-Bromofluorobenzene
Concen: 41.538 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW011938.D
Acq: 15 Aug 2019 19:36

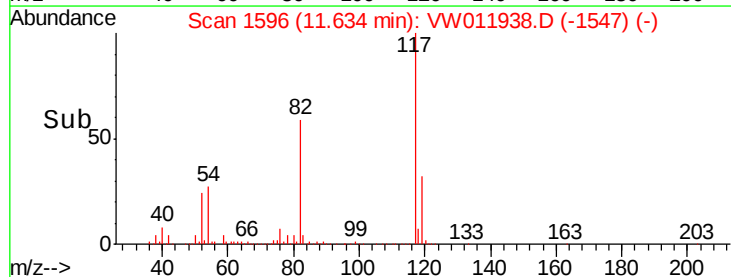
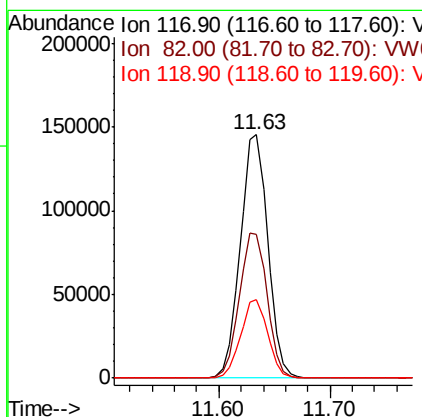
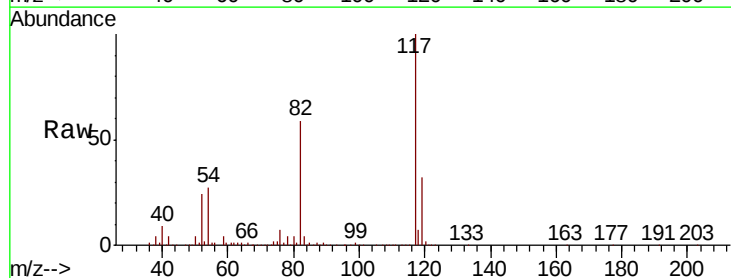
Instrument :
MSVOA_W
ClientSampled :
T8-A3-(0)

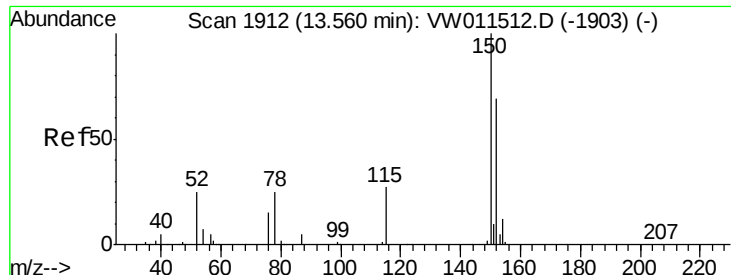
Tgt Ion: 95 Resp: 108124
Ion Ratio Lower Upper
95 100
174 75.0 0.0 150.2
176 72.1 0.0 144.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW011938.D
Acq: 15 Aug 2019 19:36

Tgt Ion: 117 Resp: 249011
Ion Ratio Lower Upper
117 100
82 59.3 47.9 71.9
119 32.4 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011938.D

Acq: 15 Aug 2019 19:36

Instrument :

MSVOA_W

ClientSampled :

T8-A3-(0)

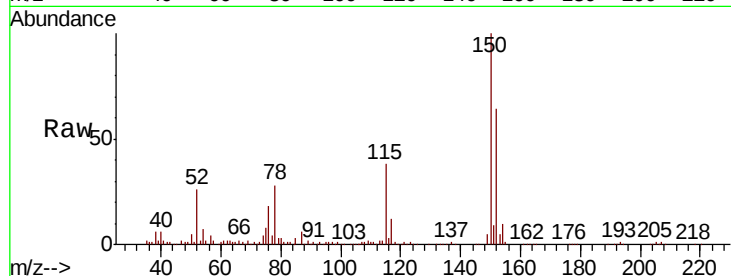
Tgt Ion:152 Resp: 76693

Ion Ratio Lower Upper

152 100

115 60.3 30.5 91.5

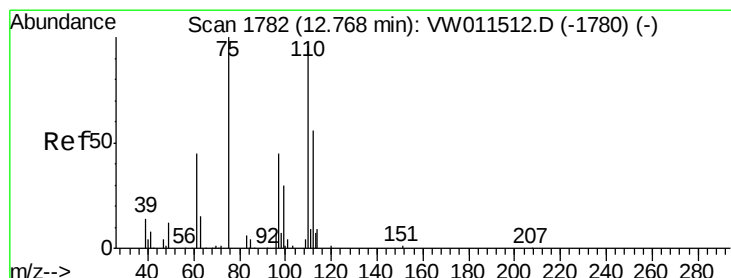
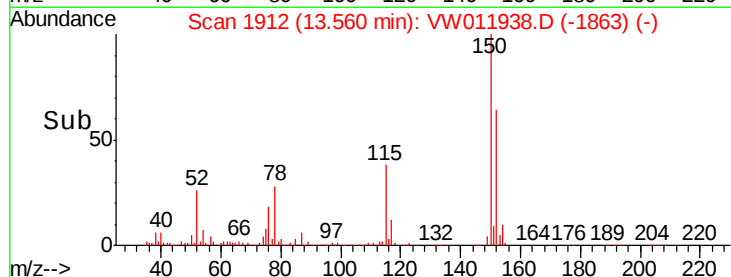
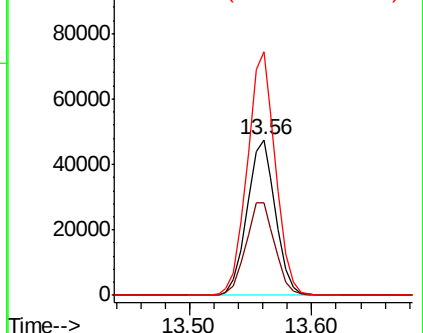
150 154.7 0.0 352.6



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: 71.251 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011938.D

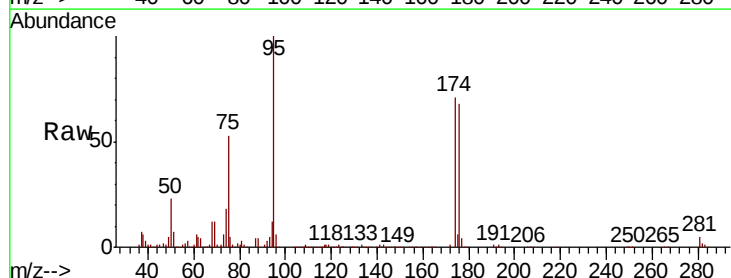
Acq: 15 Aug 2019 19:36

Tgt Ion: 75 Resp: 57820

Ion Ratio Lower Upper

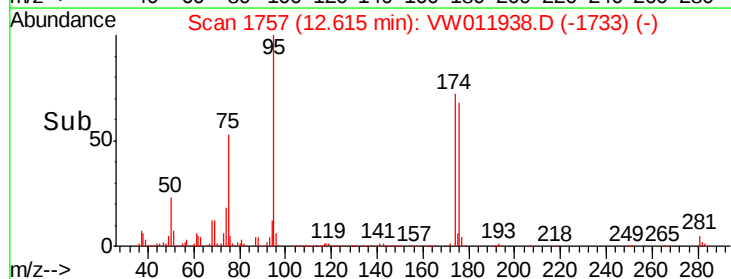
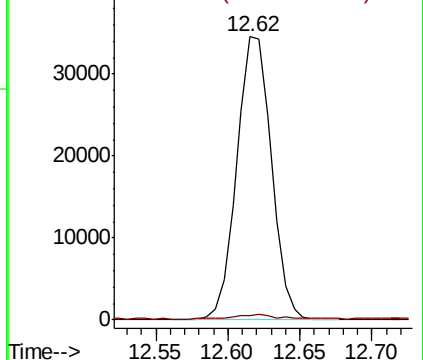
75 100

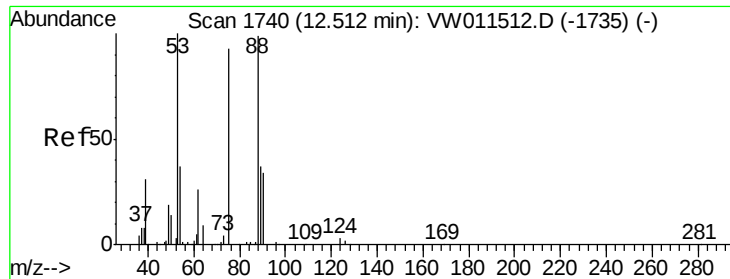
77 2.1 0.0 0.0#



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: 164.208 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011938.D

Acq: 15 Aug 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

T8-A3-(0)

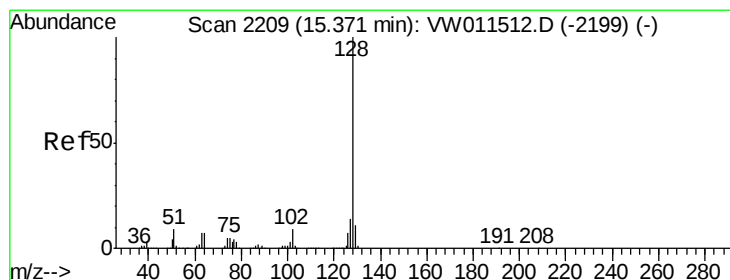
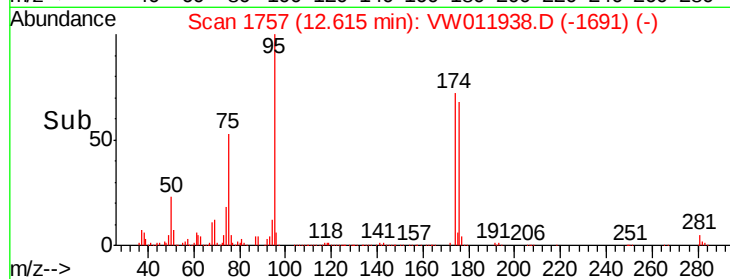
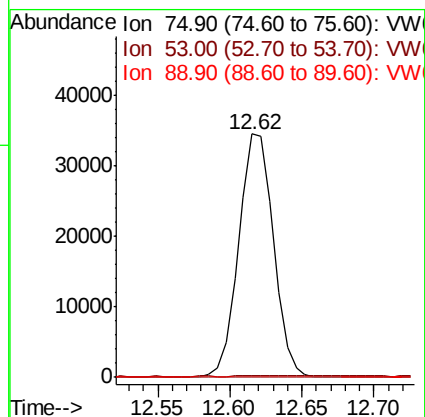
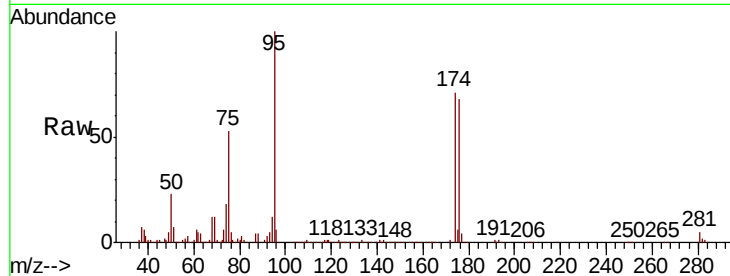
Tgt Ion: 75 Resp: 57820

Ion Ratio Lower Upper

75 100

53 0.6 88.0 132.0#

89 0.0 35.3 52.9#



#95

Naphthalene

Concen: 2.344 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011938.D

Acq: 15 Aug 2019 19:36

Tgt Ion: 128 Resp: 878

Ion Ratio Lower Upper

128 100

127 9.6 10.6 16.0#

129 6.5 8.6 13.0#

