

Data File : VW012109.D
Acq On : 22 Aug 2019 14:34
Operator : SY/VA
Sample : K4086-01RE
Misc : 4.01G/5ML/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
NB-08-082019

Quant Time: Aug 23 08:00:09 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	221457	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	375143	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	289773	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	93461	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	144342	56.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.52%	
35) Dibromofluoromethane	7.88	113	115482	54.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.74%	
50) Toluene-d8	10.32	98	447363	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
62) 4-Bromofluorobenzene	12.62	95	125365	40.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.62%	

Target Compounds

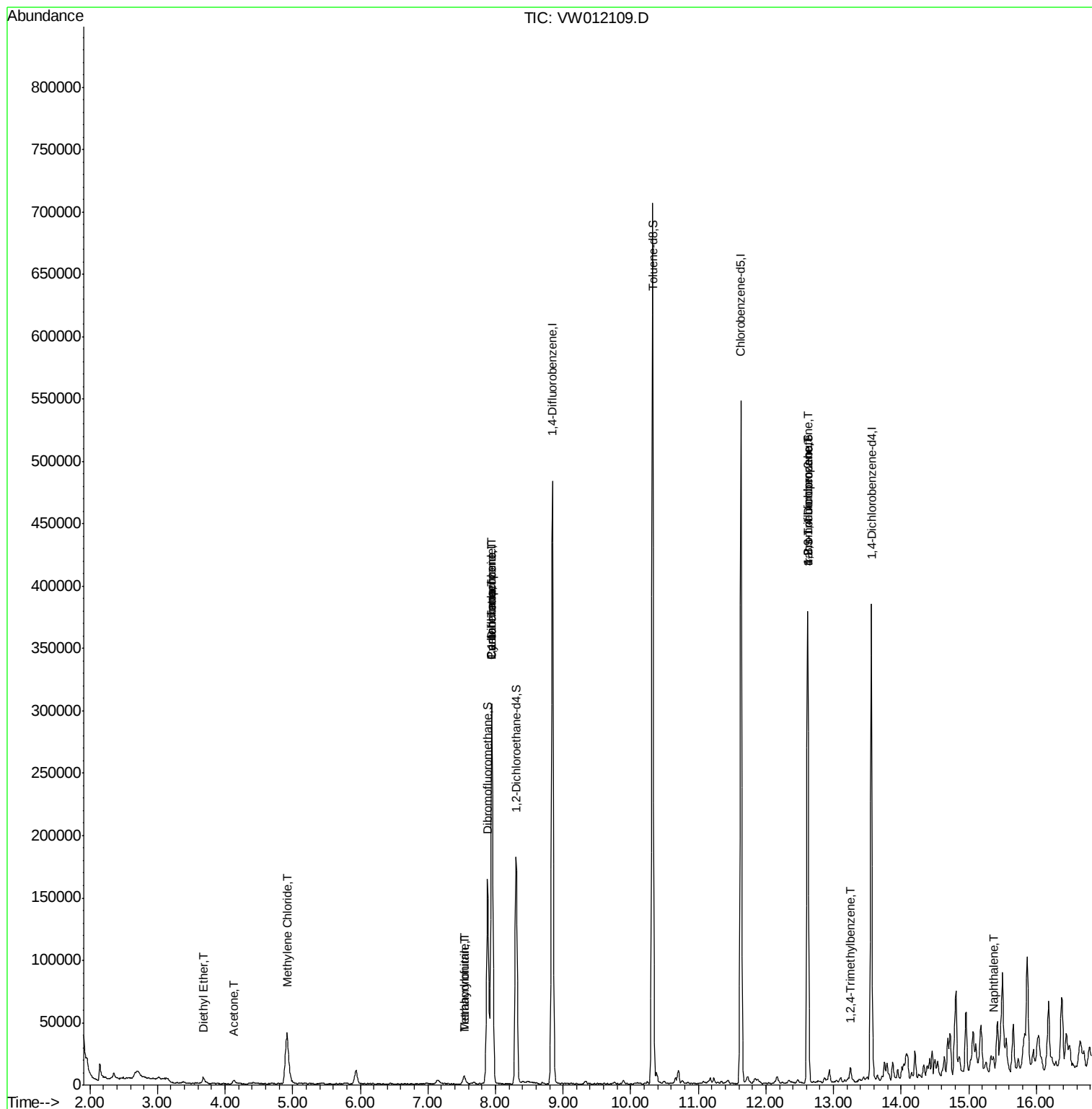
					Qvalue	
8) Diethyl Ether	3.68	74	2401	1.839	ug/l	84
11) Tert butyl alcohol	5.17	59	410	Below Cal	#	72
16) Acetone	4.13	43	5341	6.603	ug/l	97
20) Methylene Chloride	4.92	84	30828	11.050	ug/l	92
29) Tetrahydrofuran	7.54	42	5720	9.454	ug/l	98
31) Cyclohexane	7.95	56	5686	1.196	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19581	5.020	ug/l #	52
38) Carbon Tetrachloride	7.95	117	22772	6.819	ug/l #	17
41) Methacrylonitrile	7.53	41	3696	2.755	ug/l #	54
76) 1,2,3-Trichloropropane	12.62	75	66571	67.317	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	66571	155.141	ug/l #	6
84) 1,2,4-Trimethylbenzene	13.26	105	6566	1.115	ug/l	91
95) Naphthalene	15.37	128	4294	3.182	ug/l	95

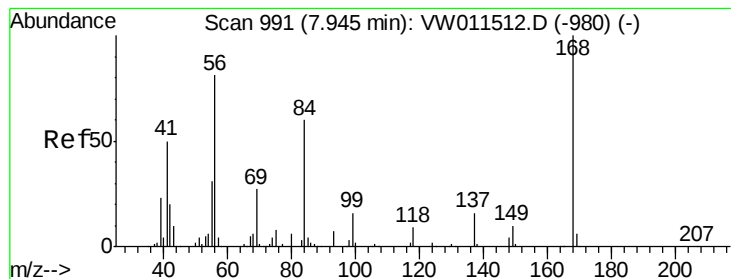
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012109.D

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Instrument :

MSVOA_W

ClientSampleId :

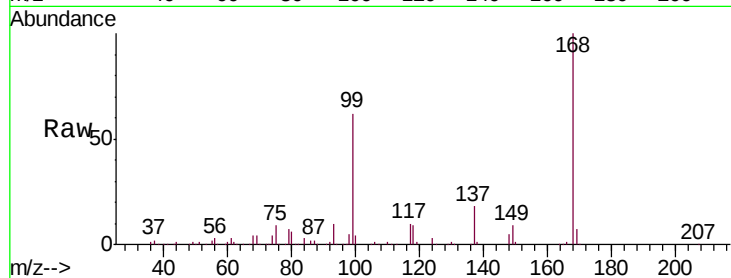
NB-08-082019

Tgt Ion:168 Resp: 221457

Ion Ratio Lower Upper

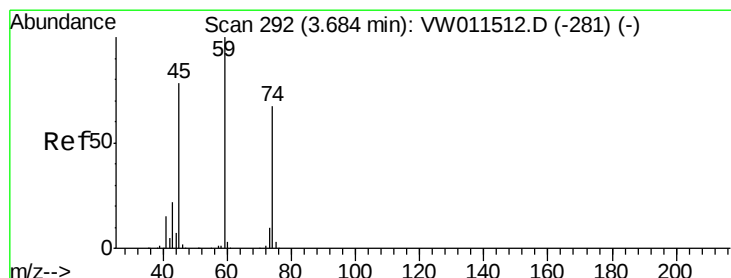
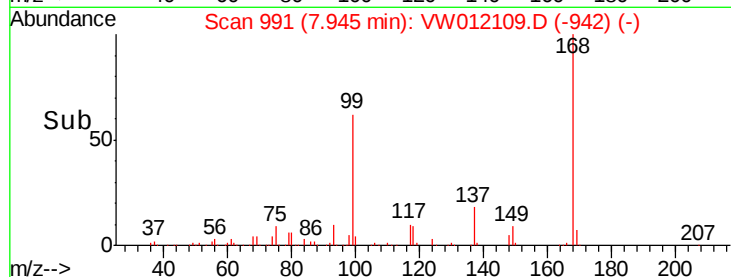
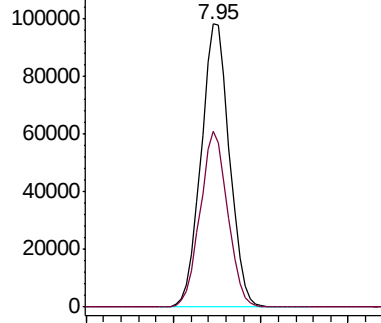
168 100

99 62.2 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.839 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW012109.D

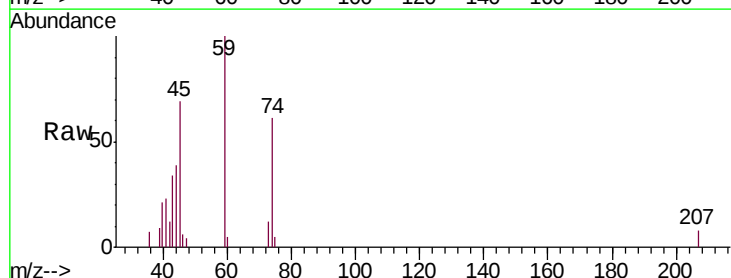
Acq: 22 Aug 2019 14:34

Tgt Ion: 74 Resp: 2401

Ion Ratio Lower Upper

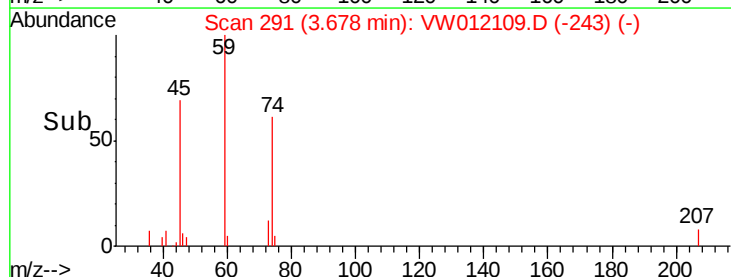
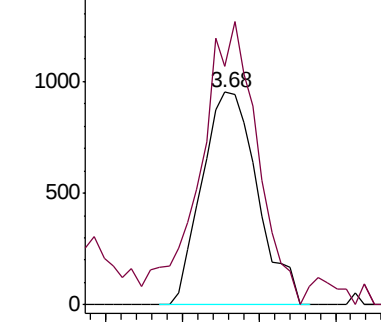
74 100

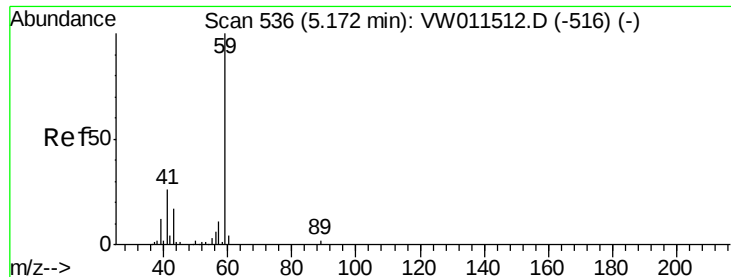
45 137.4 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



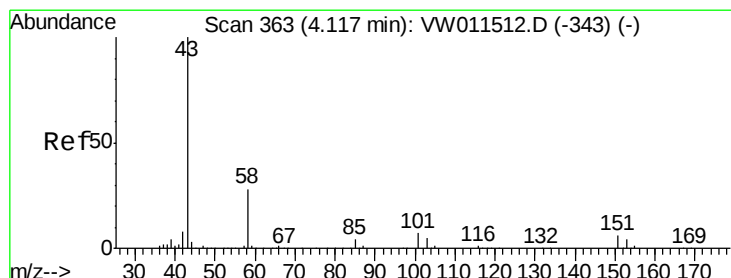
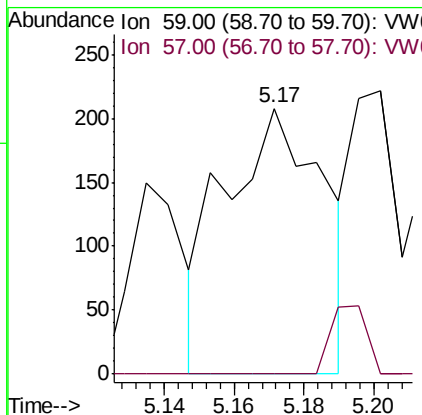
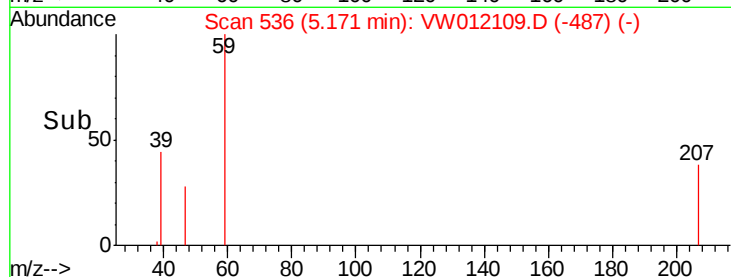
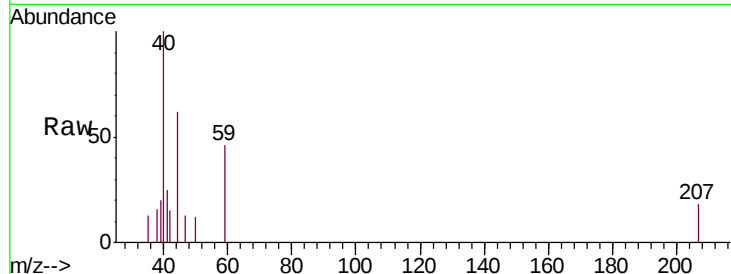


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.17 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VW012109.D
 Acq: 22 Aug 2019 14:34

Instrument :
 MSVOA_W
 ClientSampleId :
 NB-08-082019

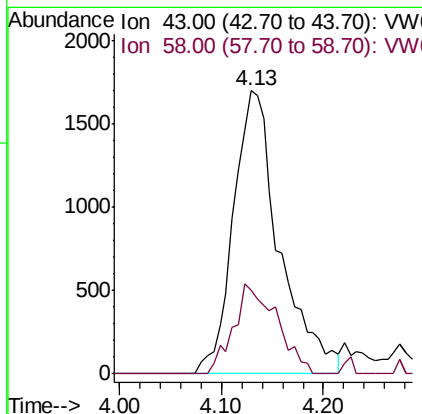
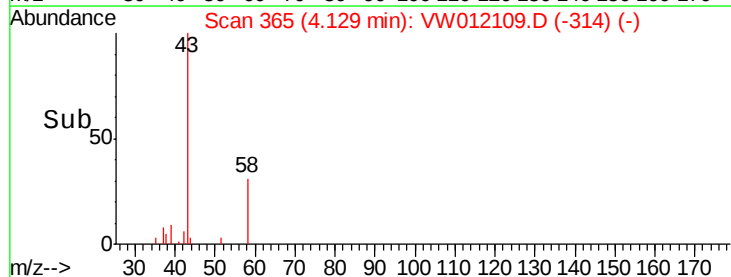
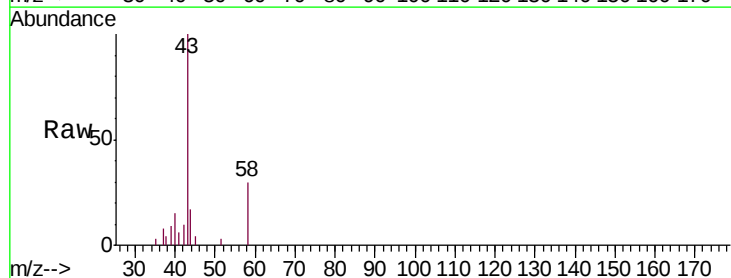
Tgt Ion: 59 Resp: 410
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

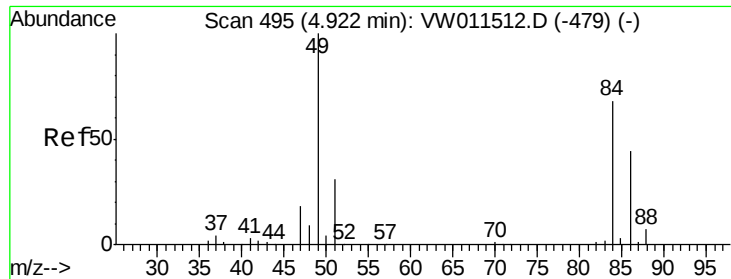


#16

Acetone
 Concen: 6.603 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VW012109.D
 Acq: 22 Aug 2019 14:34

Tgt Ion: 43 Resp: 5341
 Ion Ratio Lower Upper
 43 100
 58 29.6 22.3 33.5

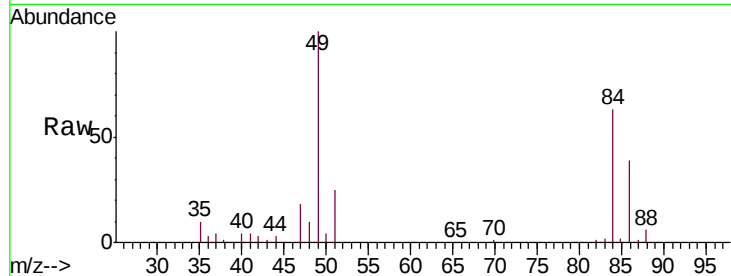




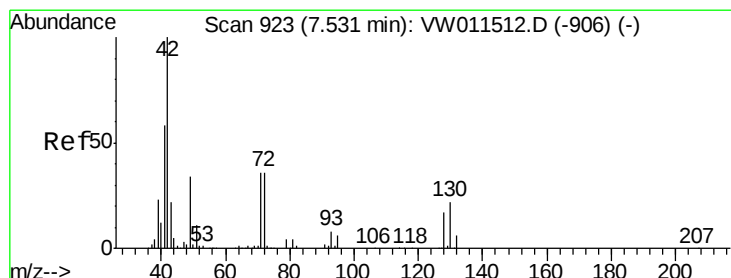
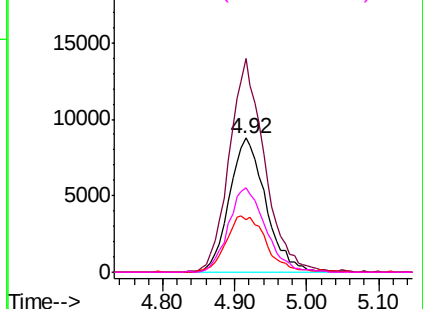
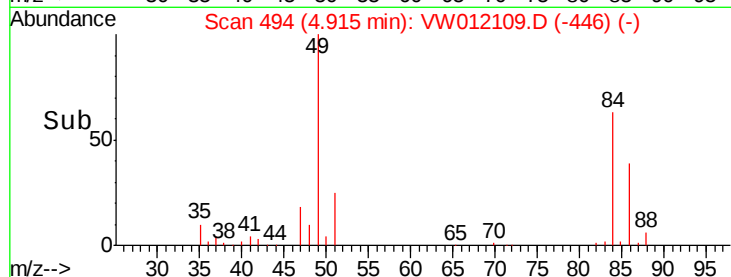
#20
Methylene Chloride
Concen: 11.050 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012109.D
Acq: 22 Aug 2019 14:34

Instrument :
MSVOA_W
ClientSampleId :
NB-08-082019

Tgt Ion: 84 Resp: 30828
Ion Ratio Lower Upper
84 100
49 158.2 117.8 176.6
51 39.4 37.0 55.4
86 62.6 51.8 77.8

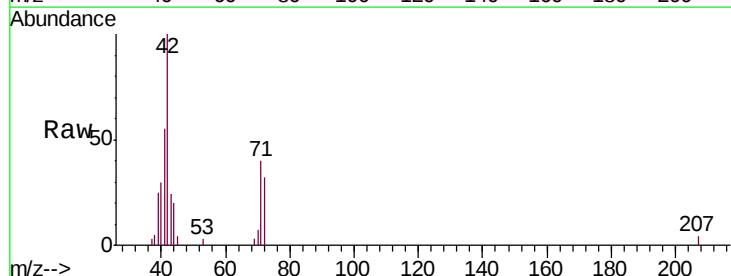


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

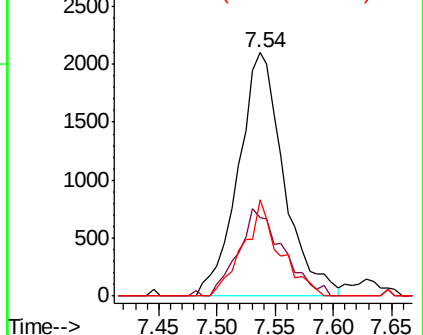
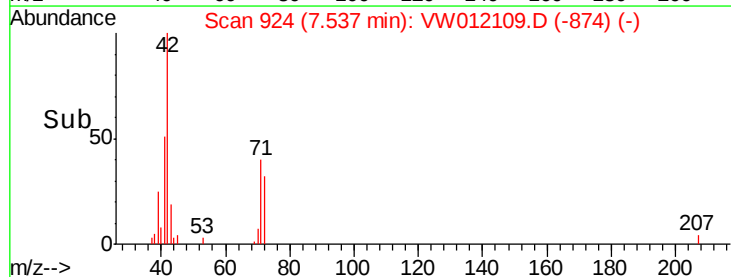


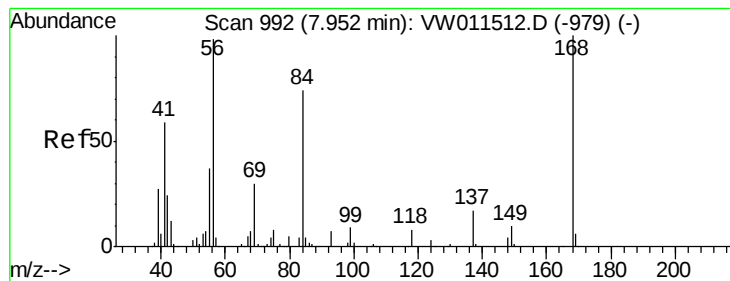
#29
Tetrahydrofuran
Concen: 9.454 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012109.D
Acq: 22 Aug 2019 14:34

Tgt Ion: 42 Resp: 5720
Ion Ratio Lower Upper
42 100
72 35.2 27.1 40.7
71 31.4 26.2 39.4



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.196 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012109.D

Acq: 22 Aug 2019 14:34

Instrument :

MSVOA_W

ClientSampled :

NB-08-082019

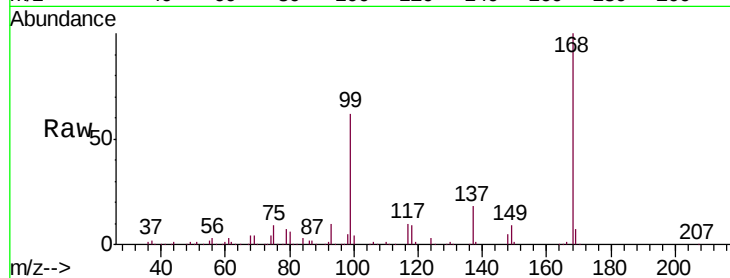
Tgt Ion: 56 Resp: 5686

Ion Ratio Lower Upper

56 100

69 161.1 24.3 36.5#

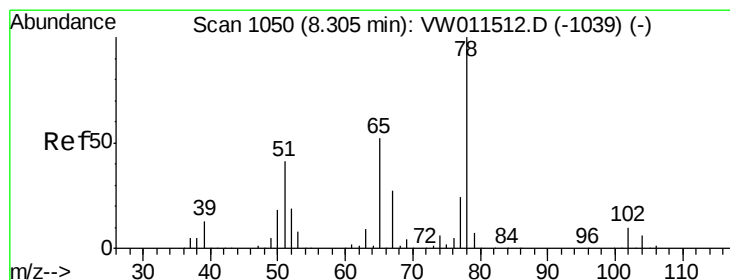
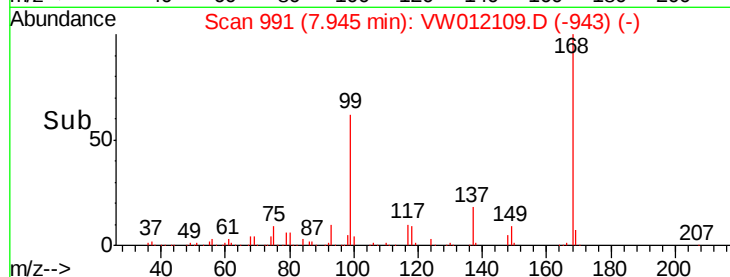
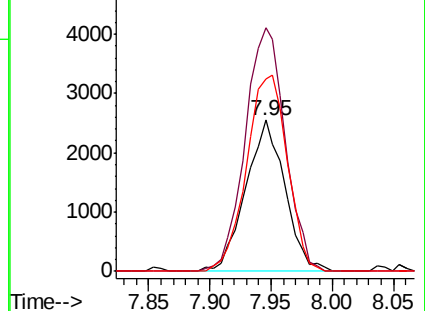
84 127.1 60.4 90.6#



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: 56.762 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012109.D

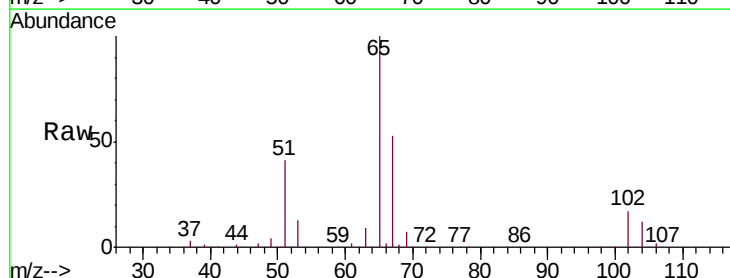
Acq: 22 Aug 2019 14:34

Tgt Ion: 65 Resp: 144342

Ion Ratio Lower Upper

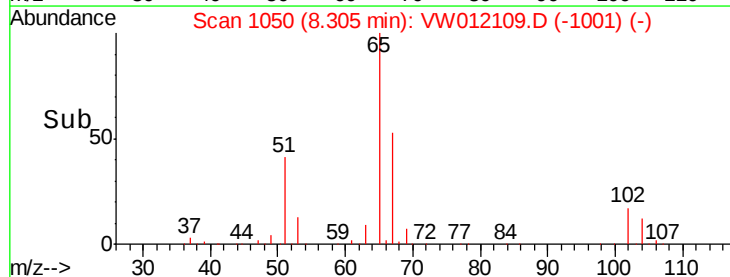
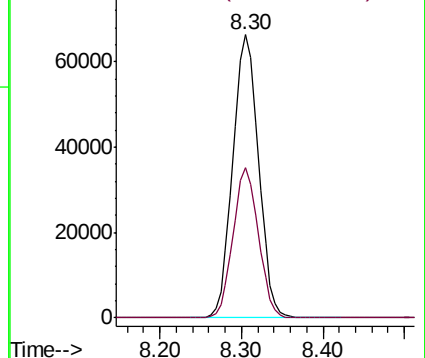
65 100

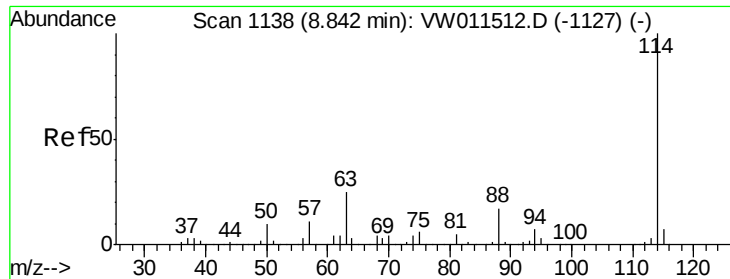
67 52.1 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

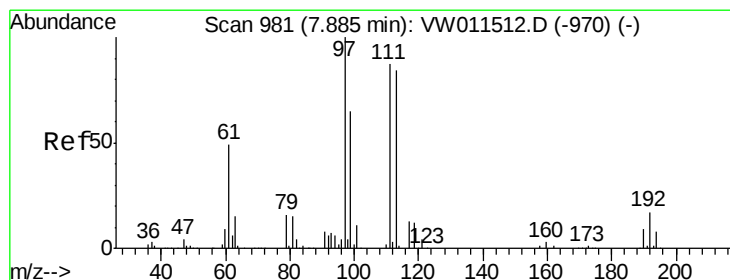
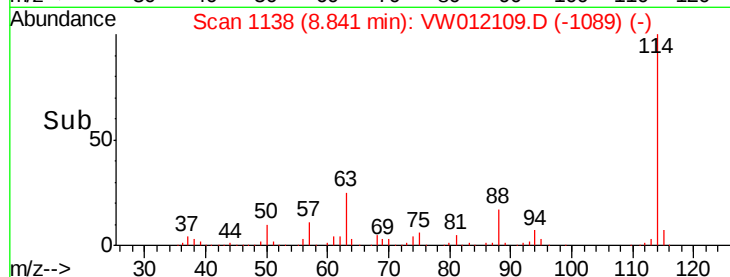
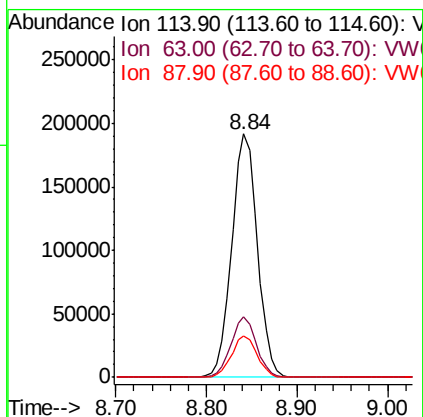
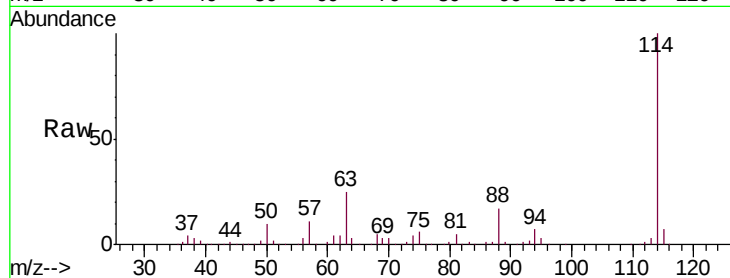




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012109.D
 Acq: 22 Aug 2019 14:34

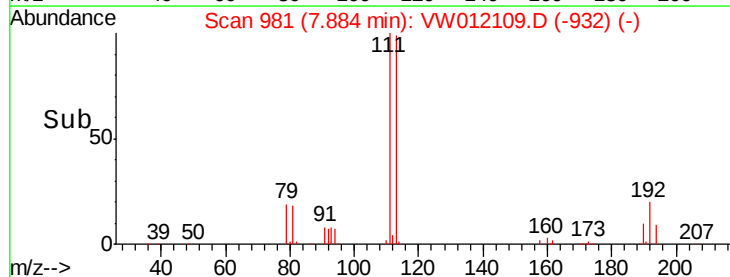
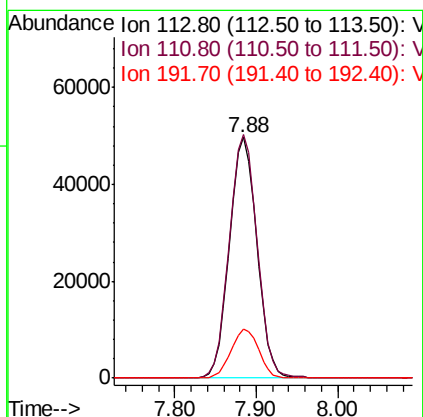
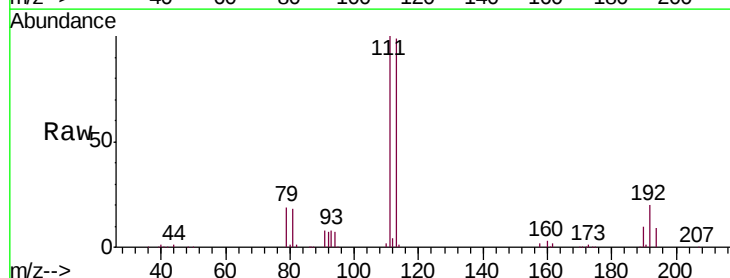
Instrument :
 MSVOA_W
 ClientSampleId :
 NB-08-082019

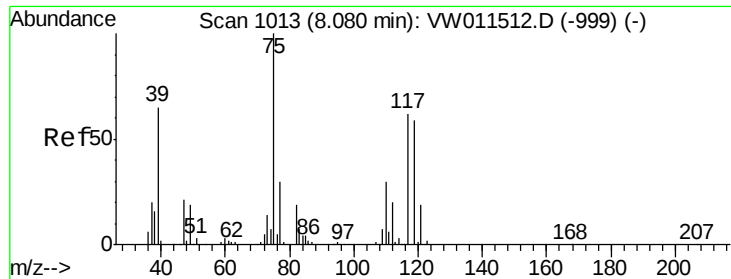
Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.0	0.0	49.2
88	16.8	0.0	33.8



#35
 Dibromofluoromethane
 Concen: 54.871 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012109.D
 Acq: 22 Aug 2019 14:34

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.7	124.1
192	20.3	16.1	24.1

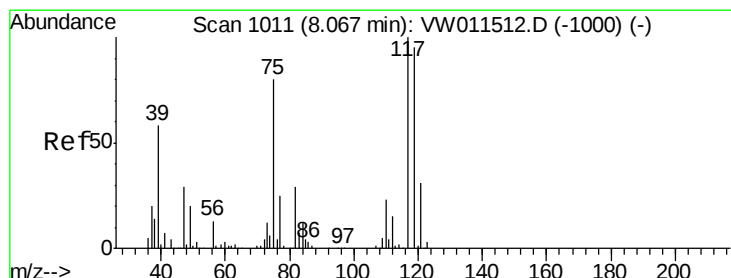
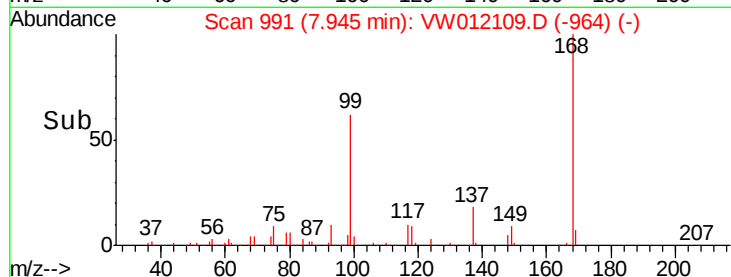
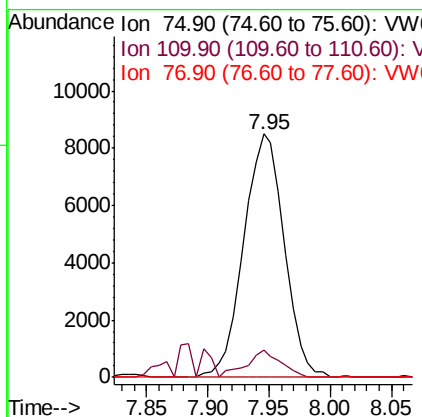
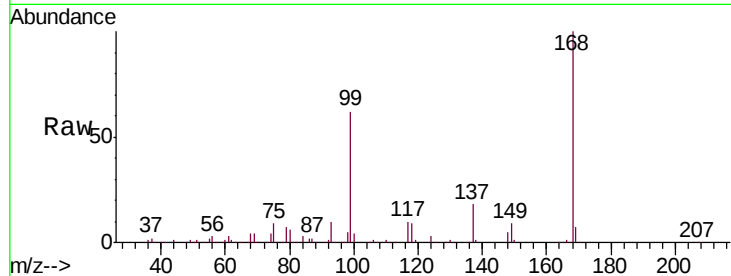




#36
 1,1-Dichloropropene
 Concen: 5.020 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012109.D
 Acq: 22 Aug 2019 14:34

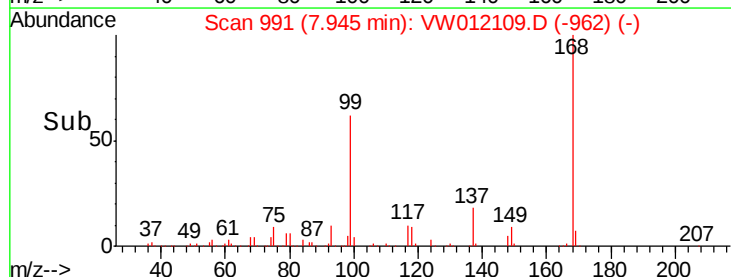
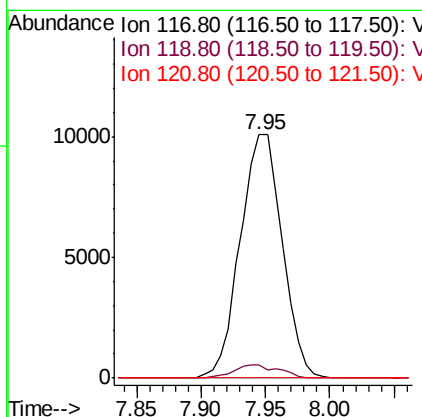
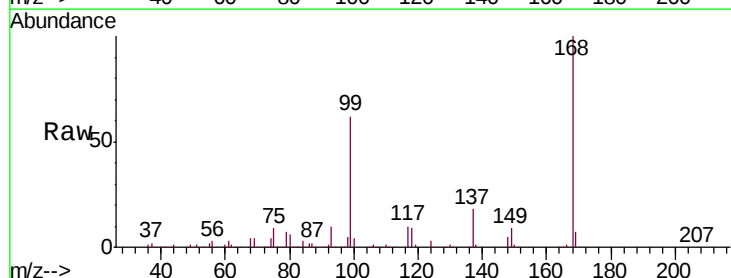
Instrument :
 MSVOA_W
 ClientSampleId :
 NB-08-082019

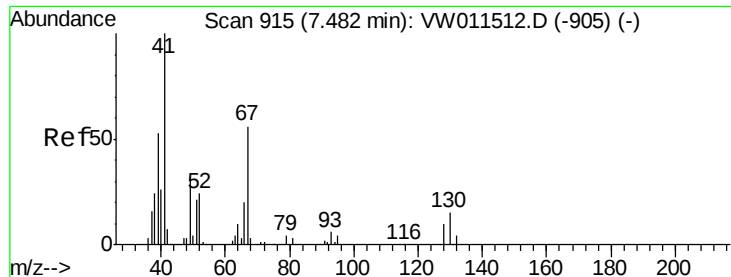
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	15.6	46.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.819 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012109.D
 Acq: 22 Aug 2019 14:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	75.8	113.6#
121	0.0	24.7	37.1#

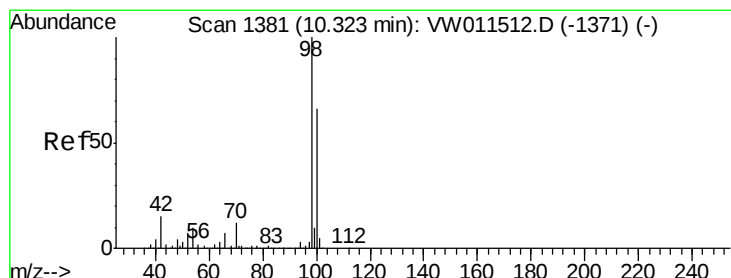
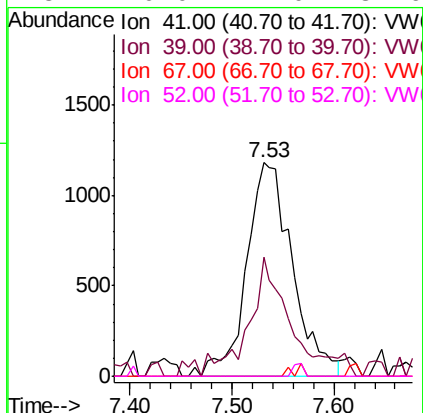
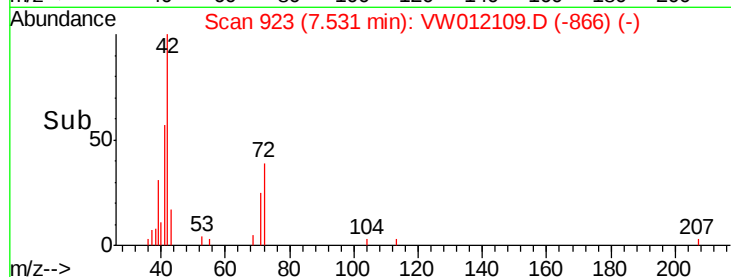
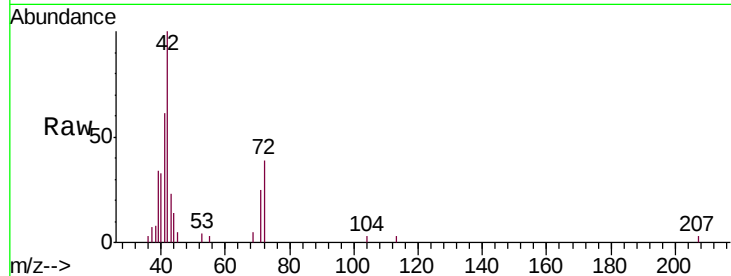




#41
Methacrylonitrile
Concen: 2.755 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.05 min
Lab File: VW012109.D
Acq: 22 Aug 2019 14:34

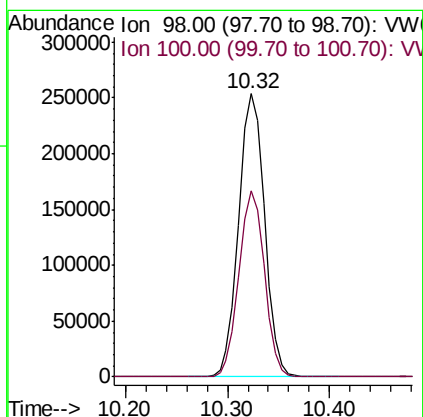
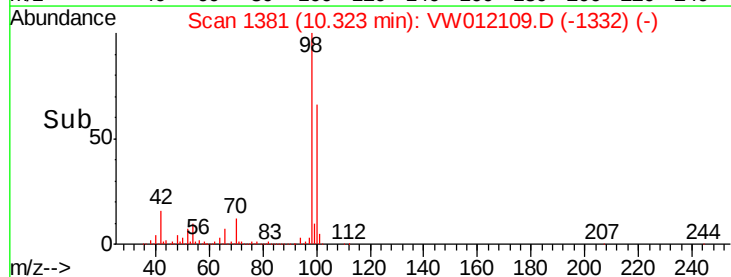
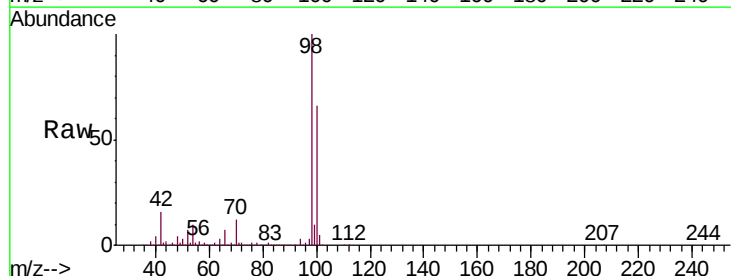
Instrument :
MSVOA_W
ClientSampled :
NB-08-082019

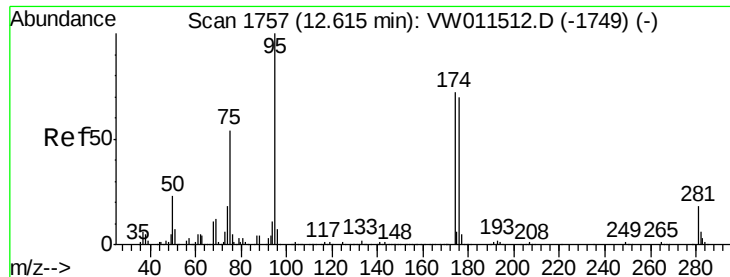
Tgt Ion:	41	Resp:	3696
Ion	Ratio	Lower	Upper
41	100		
39	48.2	43.0	64.4
67	0.0	47.5	71.3#
52	0.0	21.0	31.6#



#50
Toluene-d8
Concen: 51.917 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012109.D
Acq: 22 Aug 2019 14:34

Tgt Ion:	98	Resp:	447363
Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.7	79.1





#62

4-Bromofluorobenzene

Concen: 40.808 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW012109.D

Acq: 22 Aug 2019 14:34

Instrument :

MSVOA_W

ClientSampleId :

NB-08-082019

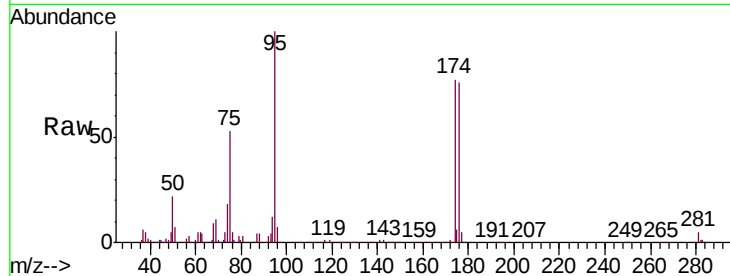
Tgt Ion: 95 Resp: 125365

Ion Ratio Lower Upper

95 100

174 75.4 0.0 150.2

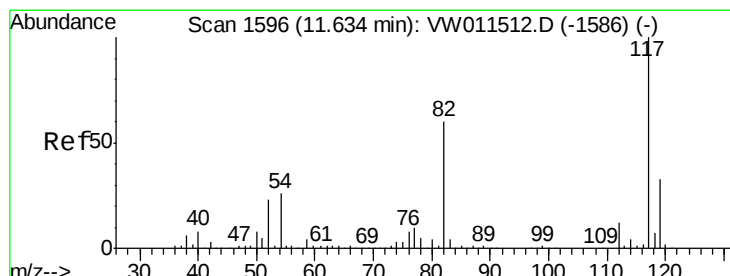
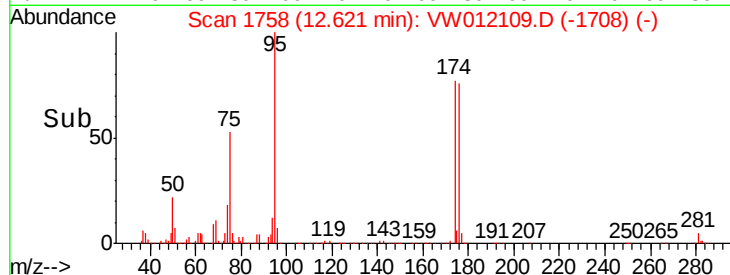
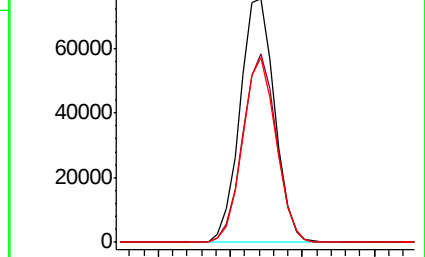
176 73.2 0.0 144.4



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: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW012109.D

Acq: 22 Aug 2019 14:34

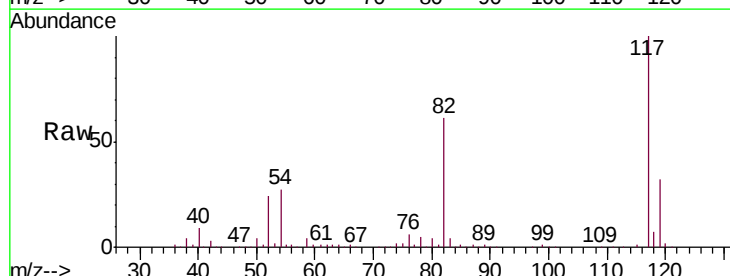
Tgt Ion: 117 Resp: 289773

Ion Ratio Lower Upper

117 100

82 60.9 47.9 71.9

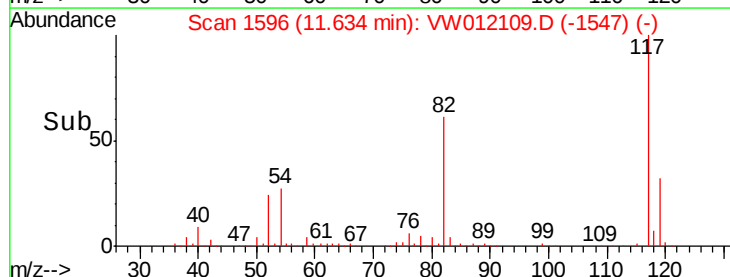
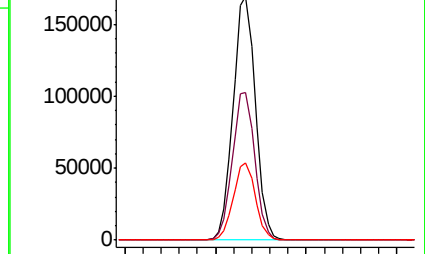
119 31.6 26.2 39.2



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: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012109.D

Acq: 22 Aug 2019 14:34

Instrument :

MSVOA_W

ClientSampleId :

NB-08-082019

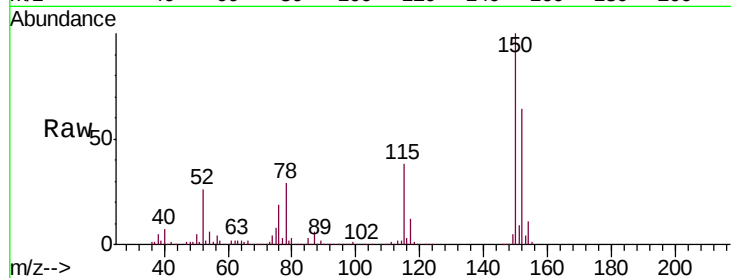
Tgt Ion:152 Resp: 93461

Ion Ratio Lower Upper

152 100

115 60.1 30.5 91.5

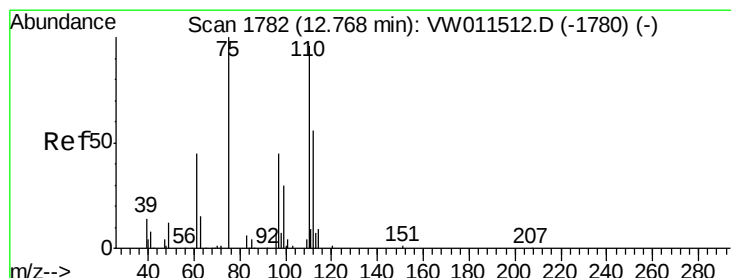
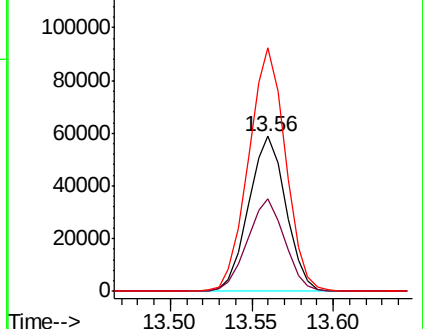
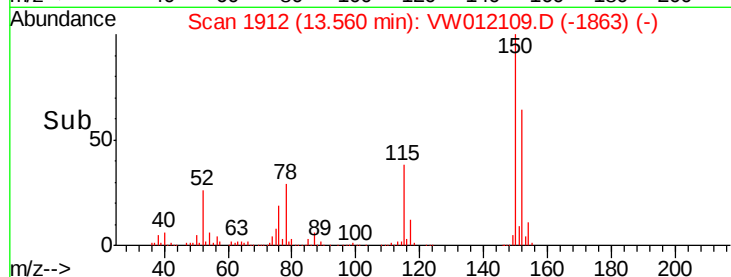
150 156.7 0.0 352.6



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: 67.317 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012109.D

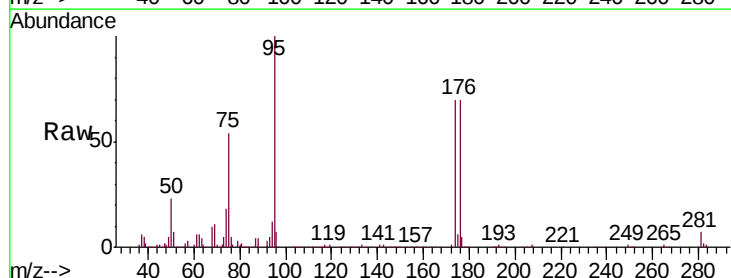
Acq: 22 Aug 2019 14:34

Tgt Ion: 75 Resp: 66571

Ion Ratio Lower Upper

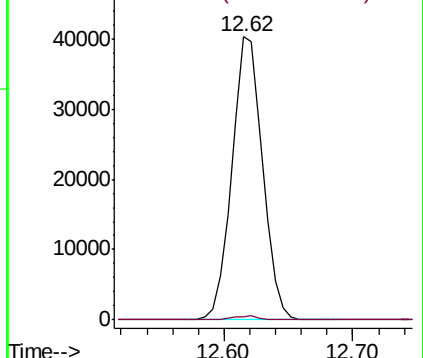
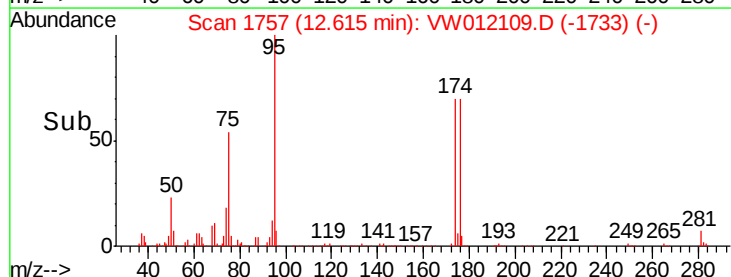
75 100

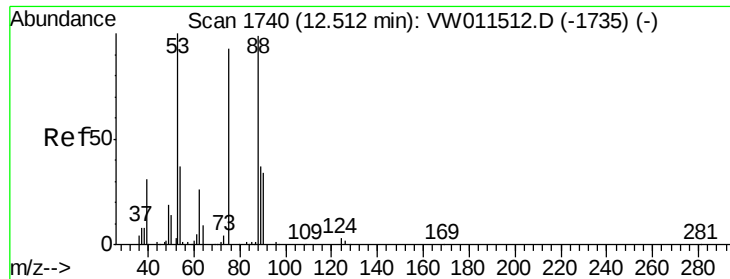
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

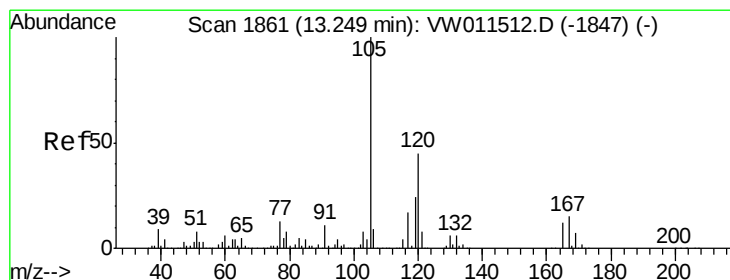
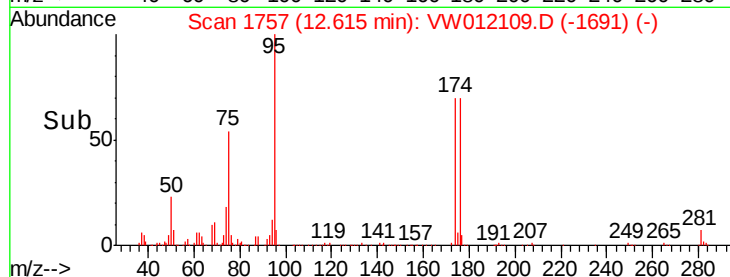
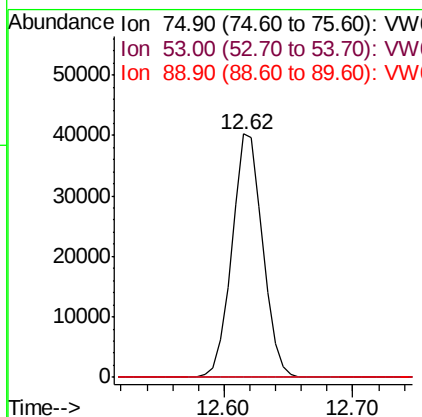
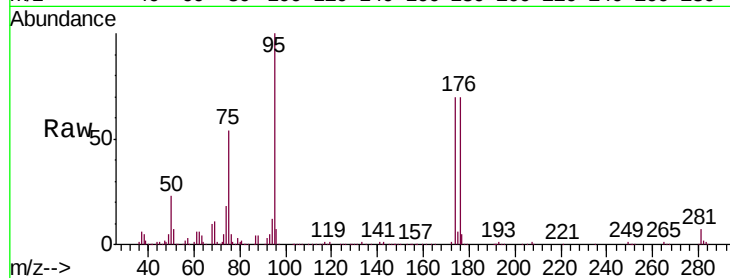




#81
trans-1,4-Dichloro-2-butene
Concen: 155.141 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012109.D
Acq: 22 Aug 2019 14:34

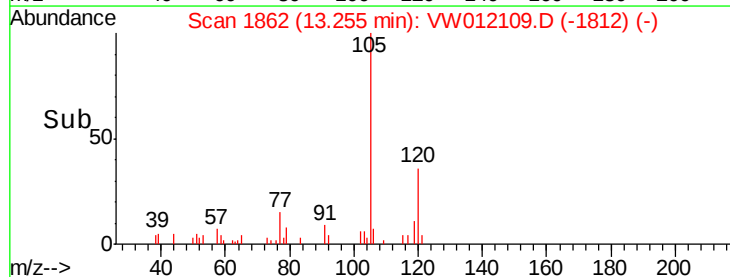
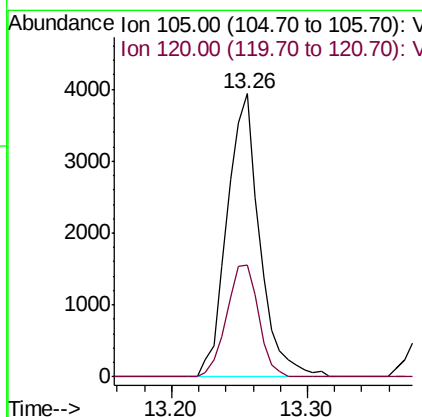
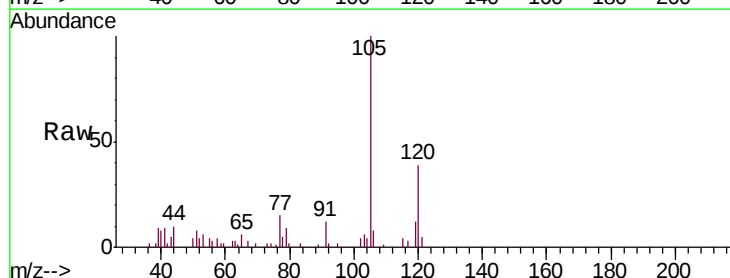
Instrument :
MSVOA_W
ClientSampleId :
NB-08-082019

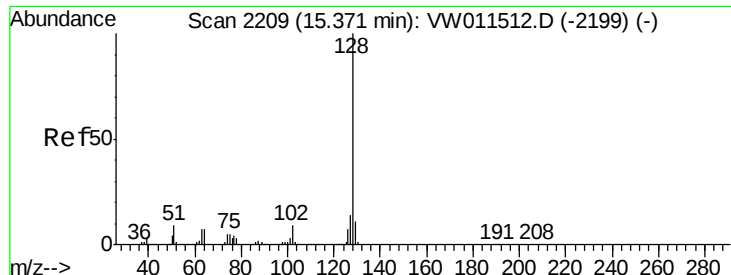
Tgt Ion: 75 Resp: 66571
Ion Ratio Lower Upper
75 100
53 0.0 88.0 132.0#
89 0.1 35.3 52.9#



#84
1,2,4-Trimethylbenzene
Concen: 1.115 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VW012109.D
Acq: 22 Aug 2019 14:34

Tgt Ion: 105 Resp: 6566
Ion Ratio Lower Upper
105 100
120 38.5 22.1 66.5





#95
Naphthalene
Concen: 3.182 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW012109.D
Acq: 22 Aug 2019 14:34

Instrument :
MSVOA_W
ClientSampleId :
NB-08-082019

Tgt Ion:128 Resp: 4294
Ion Ratio Lower Upper
128 100
127 10.7 10.6 16.0
129 9.8 8.6 13.0

