

Data File : VW012102.D
Acq On : 22 Aug 2019 11:32
Operator : SY/VA
Sample : K4086-01
Misc : 2.60G/5ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
NB-08-082019

Quant Time: Aug 23 07:58:23 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	178026	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	320623	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	189033	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	57676	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	154096	75.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	150.76%	
35) Dibromofluoromethane	7.88	113	116868	64.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	129.94%	
50) Toluene-d8	10.32	98	314501	42.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.40%	
62) 4-Bromofluorobenzene	12.62	95	86227	32.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	65.68%	

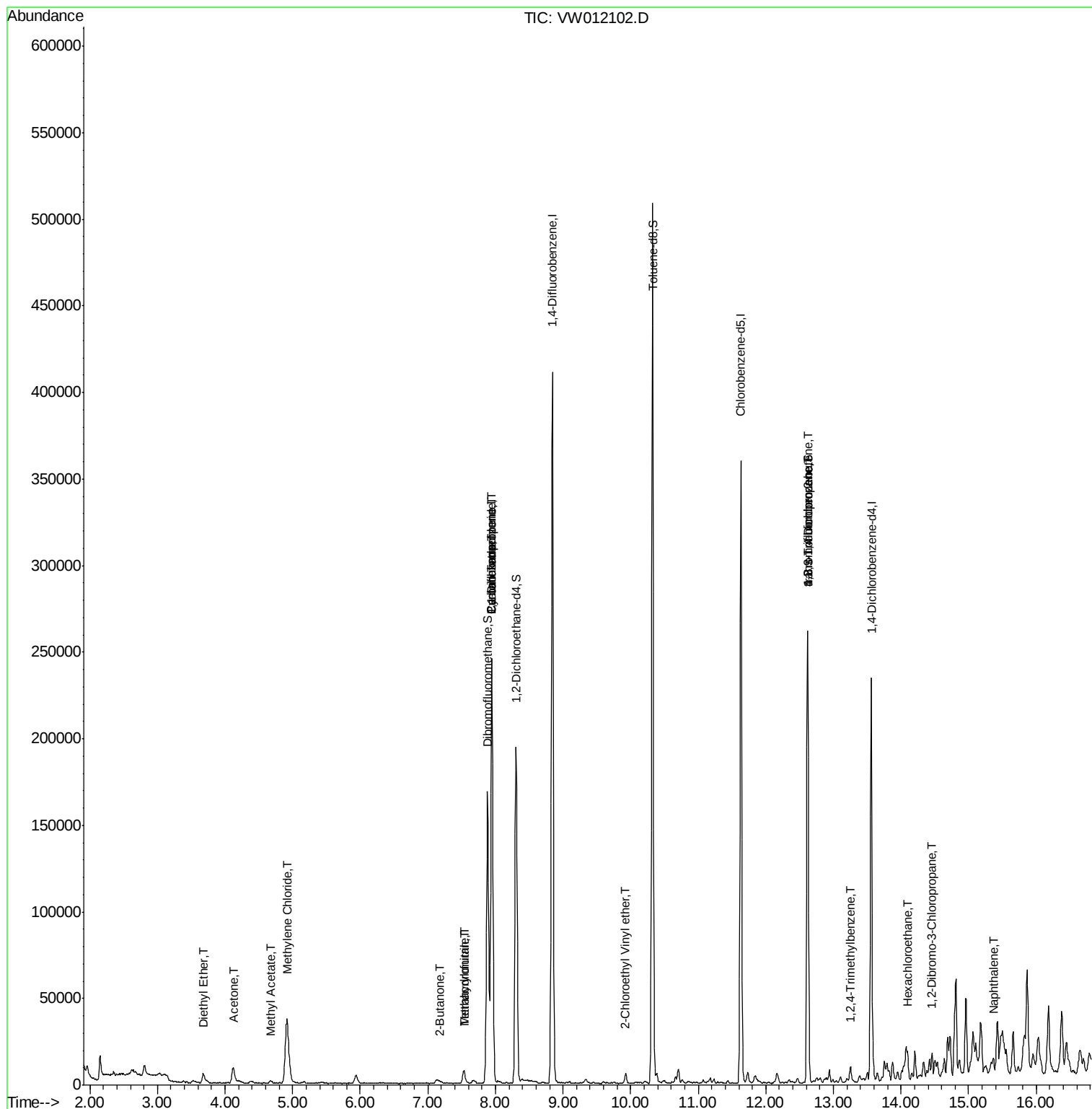
Target Compounds			Qvalue			
8) Diethyl Ether	3.68	74	2719	2.591	ug/l	95
11) Tert butyl alcohol	5.17	59	492	Below Cal	#	84
16) Acetone	4.12	43	18884	29.040	ug/l	98
18) Methyl Acetate	4.68	43	3564	2.440	ug/l #	87
20) Methylene Chloride	4.92	84	30562	13.628	ug/l	94
25) 2-Butanone	7.18	43	870	1.022	ug/l #	79
29) Tetrahydrofuran	7.53	42	6708	13.792	ug/l	97
31) Cyclohexane	7.95	56	5126	1.341	ug/l #	23
36) 1,1-Dichloropropene	7.95	75	15747	4.723	ug/l #	53
38) Carbon Tetrachloride	7.95	117	18108	6.345	ug/l #	17
41) Methacrylonitrile	7.53	41	4287	3.739	ug/l #	54
58) 2-Chloroethyl Vinyl ether	9.93	63	2512	2.337	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	44829	73.457	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	44829	169.292	ug/l #	6
84) 1,2,4-Trimethylbenzene	13.26	105	4925	1.356	ug/l	99
90) Hexachloroethane	14.09	117	1007	1.458	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	14.46	75	223	1.616	ug/l #	5
95) Naphthalene	15.37	128	3287	3.450	ug/l #	90

(#) = 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: VW012102.D

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Instrument :

MSVOA_W

ClientSampleId :

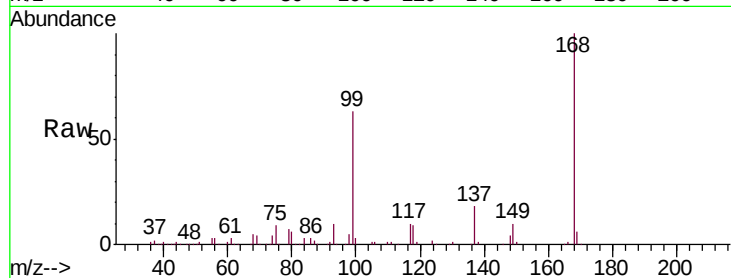
NB-08-082019

Tgt Ion:168 Resp: 178026

Ion Ratio Lower Upper

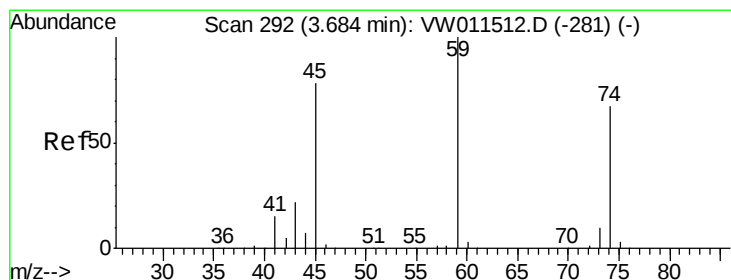
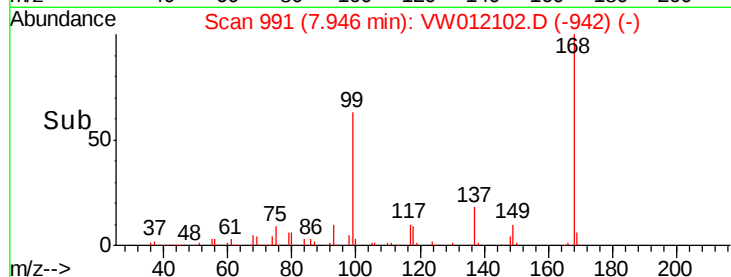
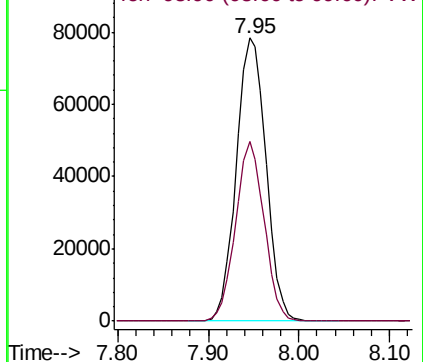
168 100

99 63.3 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: 2.591 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW012102.D

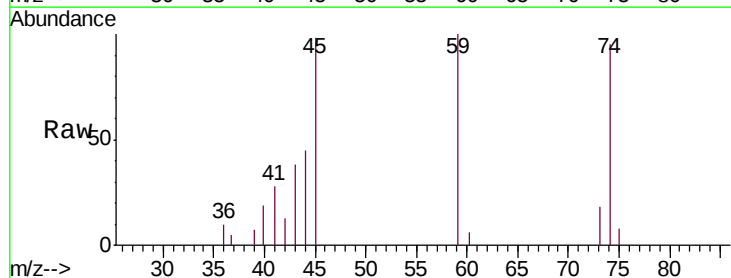
Acq: 22 Aug 2019 11:32

Tgt Ion: 74 Resp: 2719

Ion Ratio Lower Upper

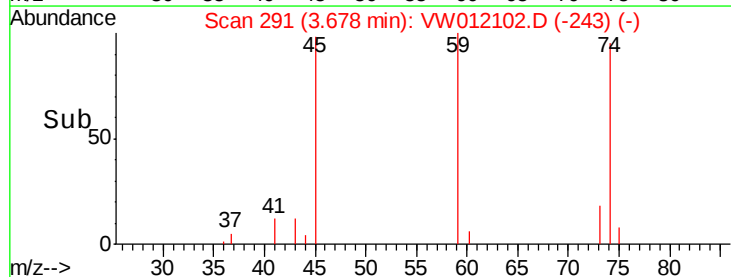
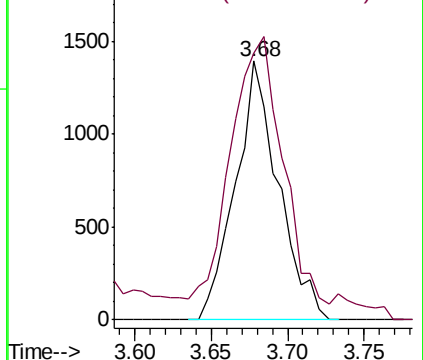
74 100

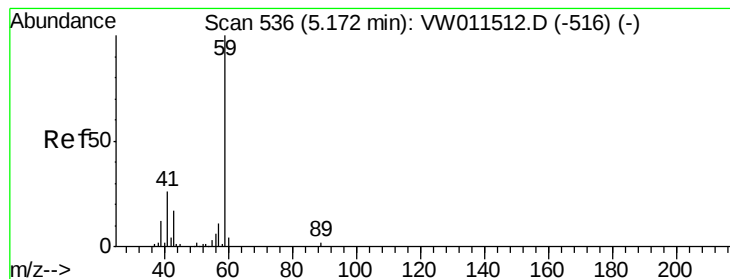
45 125.0 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



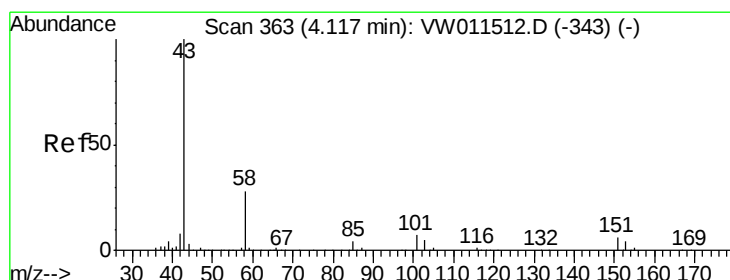
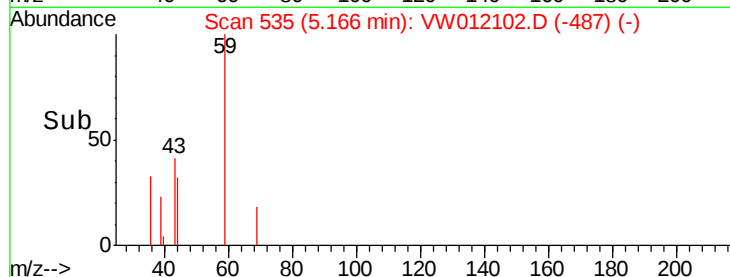
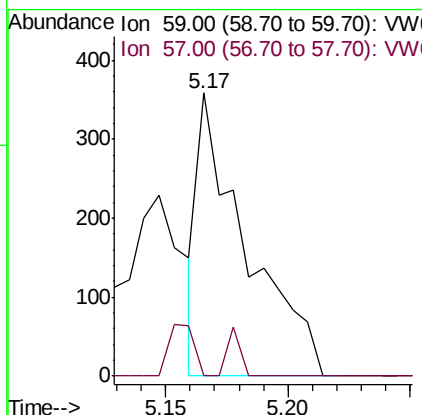
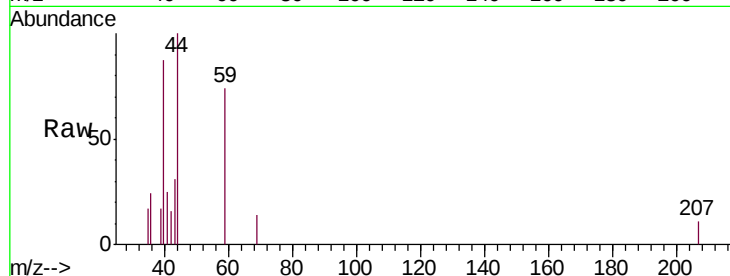


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.17 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VW012102.D
 Acq: 22 Aug 2019 11:32

Instrument :
 MSVOA_W
 ClientSampleId :
 NB-08-082019

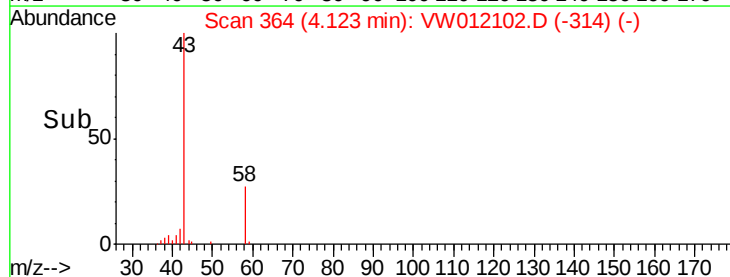
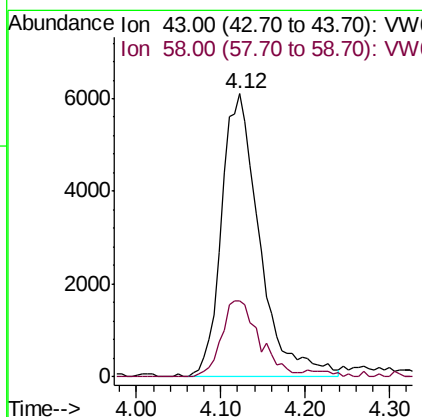
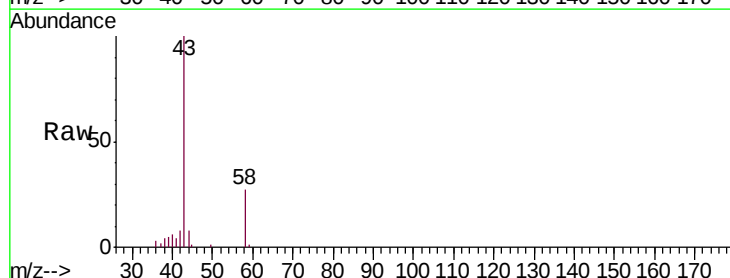
Tgt Ion: 59 Resp: 492
 Ion Ratio Lower Upper
 59 100
 57 4.7 8.5 12.7#

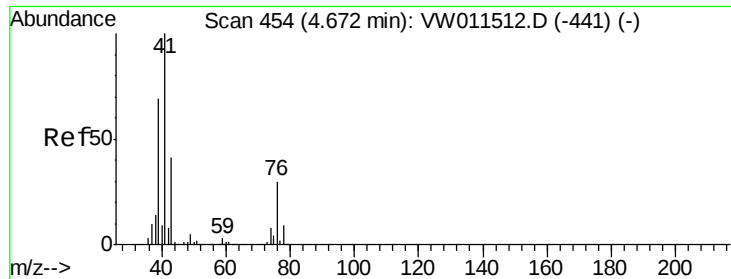


#16

Acetone
 Concen: 29.040 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VW012102.D
 Acq: 22 Aug 2019 11:32

Tgt Ion: 43 Resp: 18884
 Ion Ratio Lower Upper
 43 100
 58 27.0 22.3 33.5

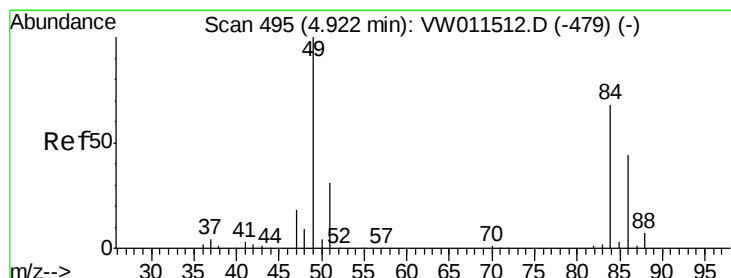
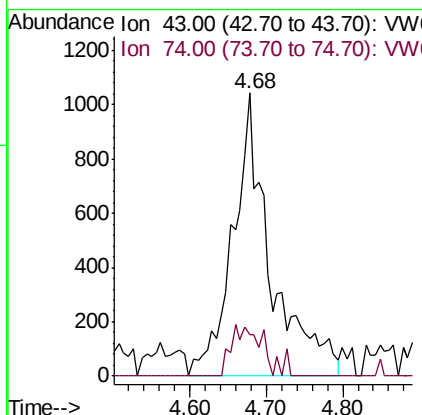
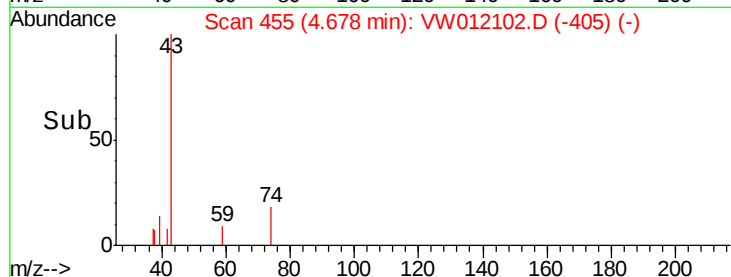
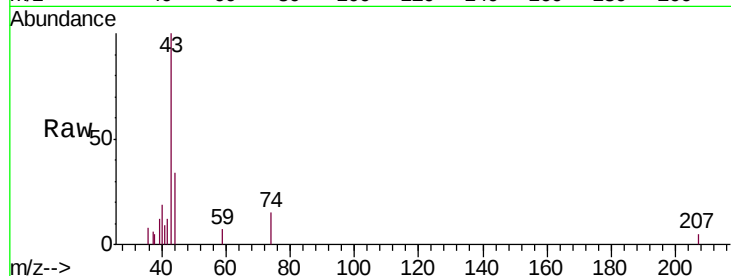




#18
Methyl Acetate
Concen: 2.440 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW012102.D
Acq: 22 Aug 2019 11:32

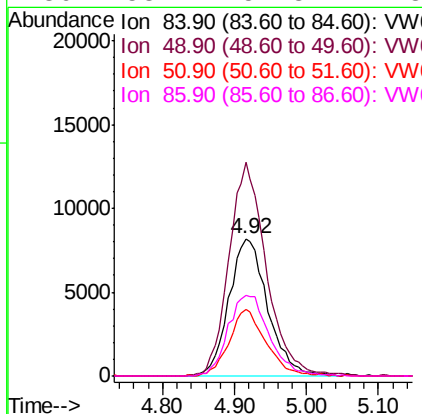
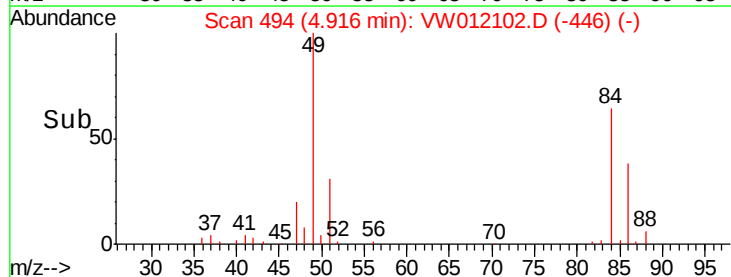
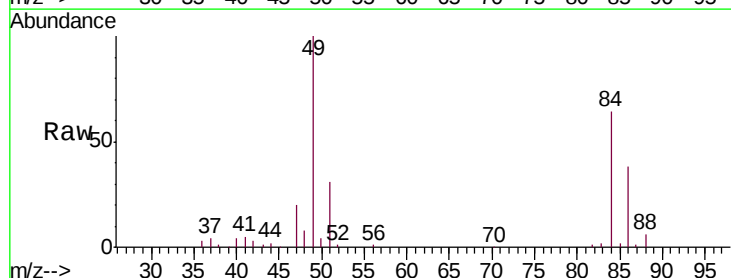
Instrument :
MSVOA_W
ClientSampleId :
NB-08-082019

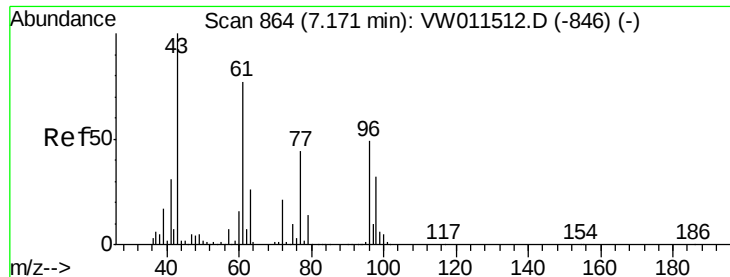
Tgt Ion: 43 Resp: 3564
Ion Ratio Lower Upper
43 100
74 13.8 15.9 23.9#



#20
Methylene Chloride
Concen: 13.628 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012102.D
Acq: 22 Aug 2019 11:32

Tgt Ion: 84 Resp: 30562
Ion Ratio Lower Upper
84 100
49 154.7 117.8 176.6
51 48.1 37.0 55.4
86 58.7 51.8 77.8

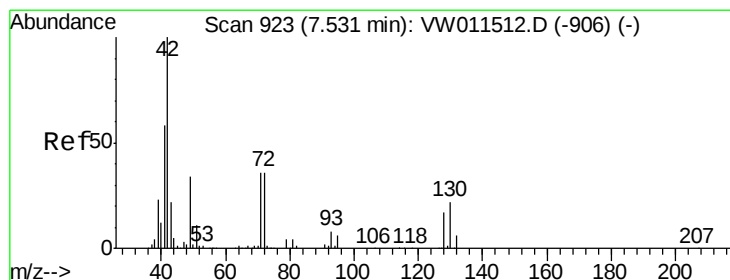
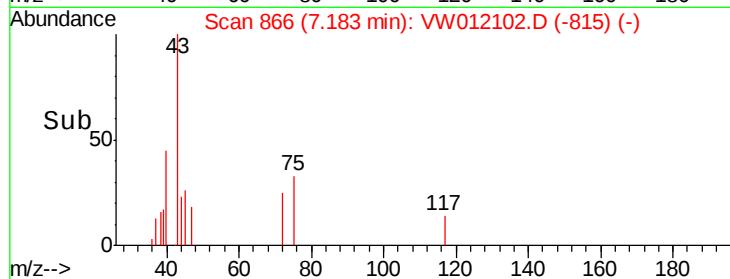
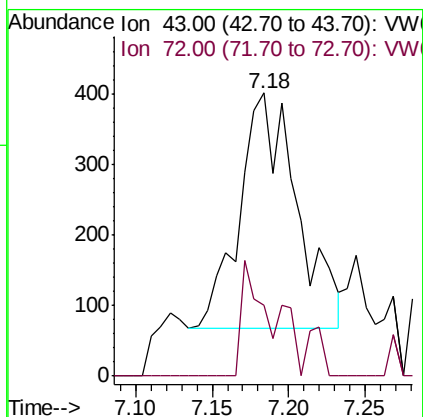
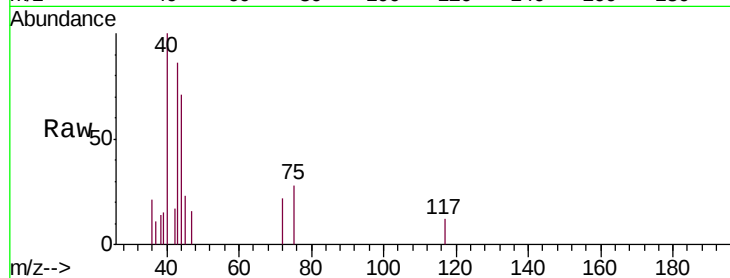




#25
2-Butanone
Concen: 1.022 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW012102.D
Acq: 22 Aug 2019 11:32

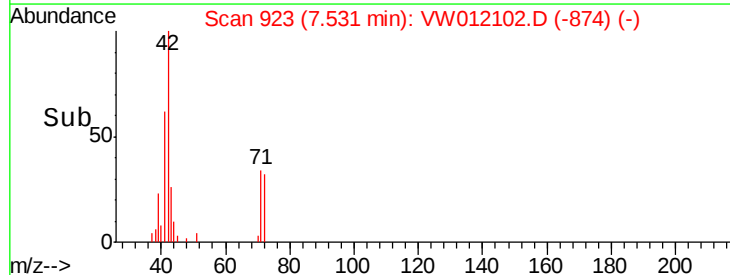
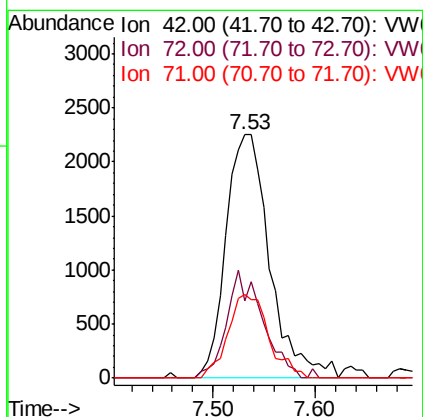
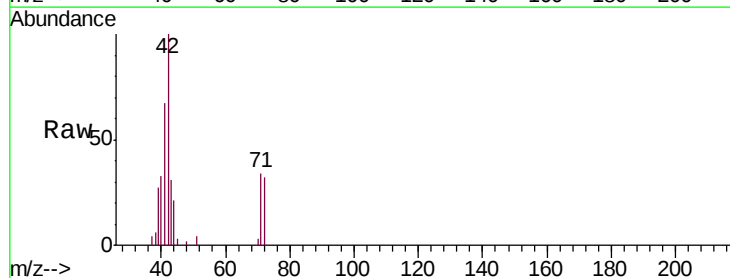
Instrument :
MSVOA_W
ClientSampleId :
NB-08-082019

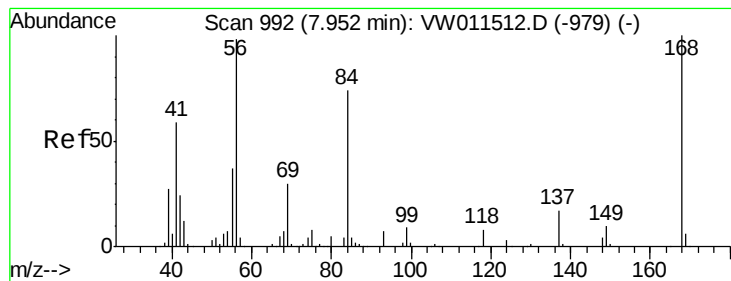
Tgt Ion: 43 Resp: 870
Ion Ratio Lower Upper
43 100
72 30.3 16.6 24.8#



#29
Tetrahydrofuran
Concen: 13.792 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW012102.D
Acq: 22 Aug 2019 11:32

Tgt Ion: 42 Resp: 6708
Ion Ratio Lower Upper
42 100
72 36.2 27.1 40.7
71 31.8 26.2 39.4





#31

Cyclohexane

Concen: 1.341 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012102.D

Acq: 22 Aug 2019 11:32

Instrument :

MSVOA_W

ClientSampleId :

NB-08-082019

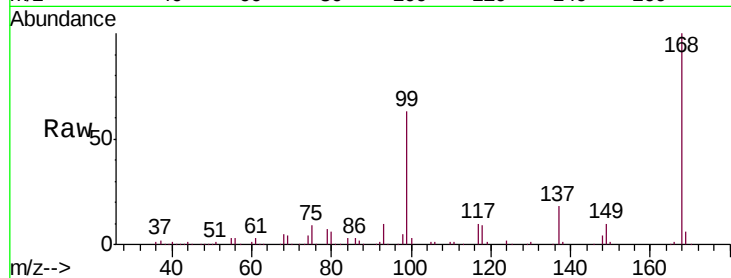
Tgt Ion: 56 Resp: 5126

Ion Ratio Lower Upper

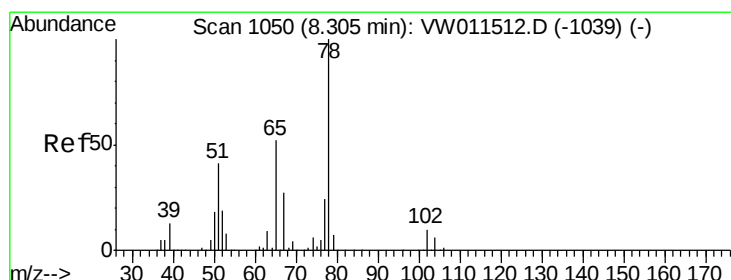
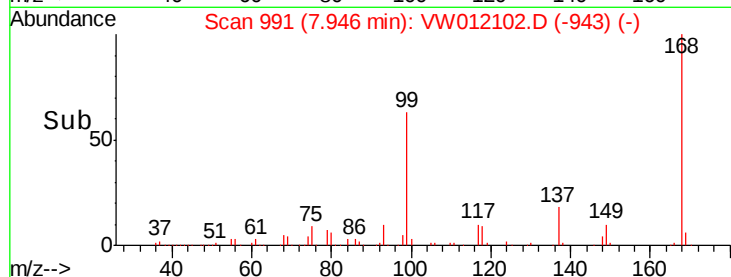
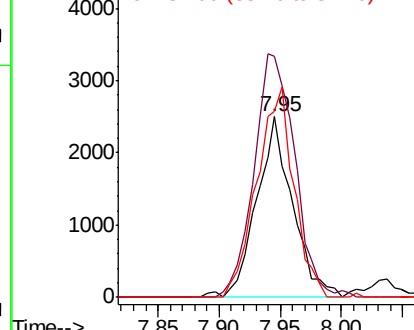
56 100

69 133.5 24.3 36.5#

84 103.1 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: 75.381 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012102.D

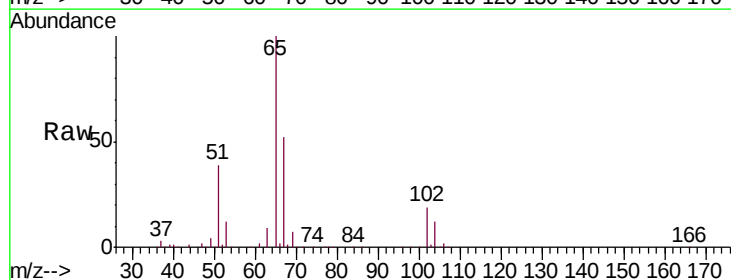
Acq: 22 Aug 2019 11:32

Tgt Ion: 65 Resp: 154096

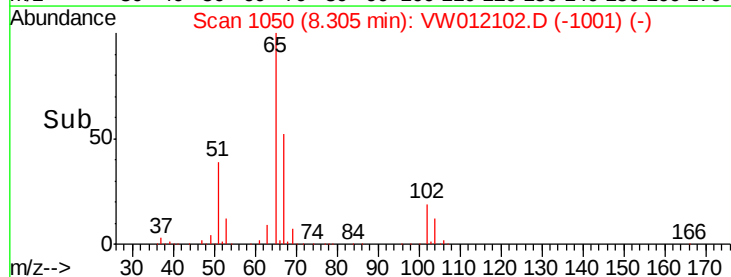
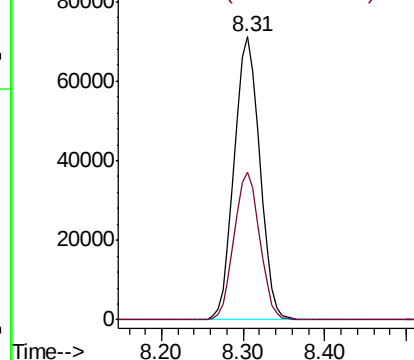
Ion Ratio Lower Upper

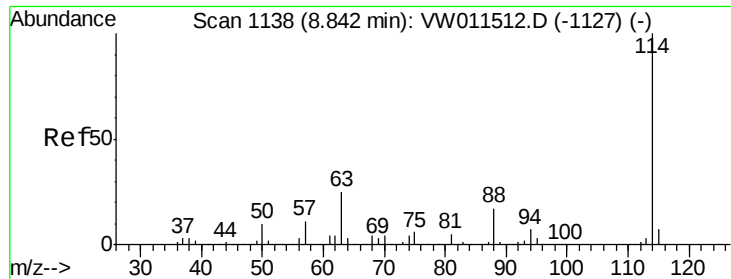
65 100

67 52.0 0.0 105.2



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

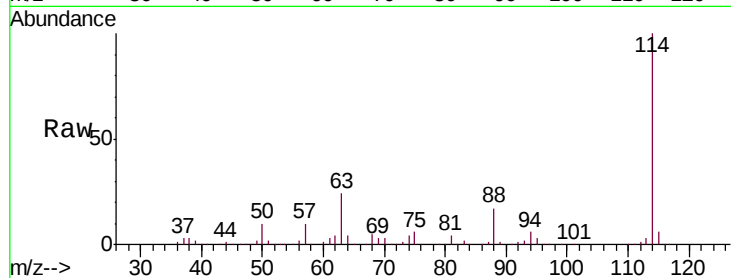




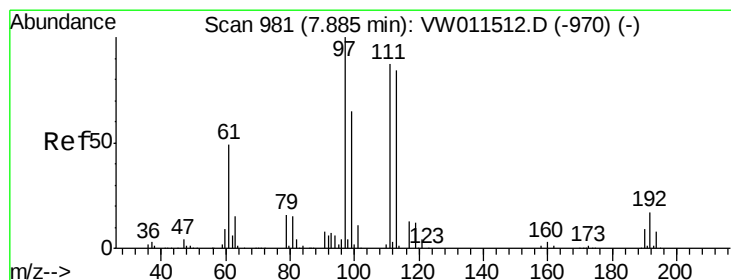
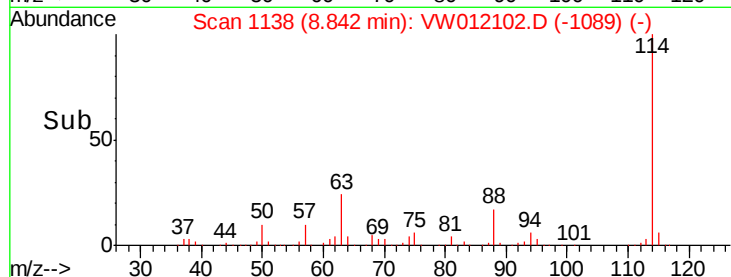
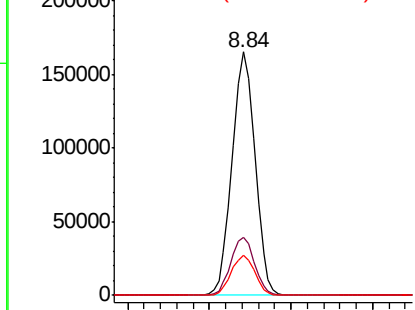
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012102.D
 Acq: 22 Aug 2019 11:32

Instrument :
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 NB-08-082019

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.7	0.0	49.2
88	16.7	0.0	33.8

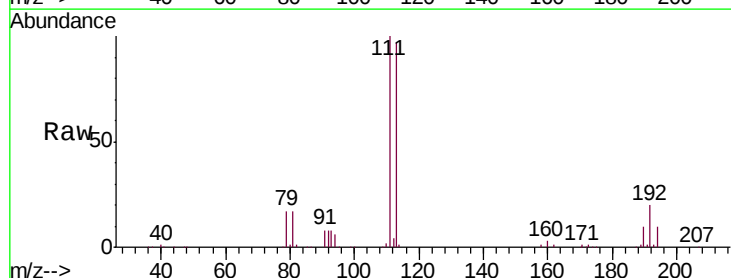


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

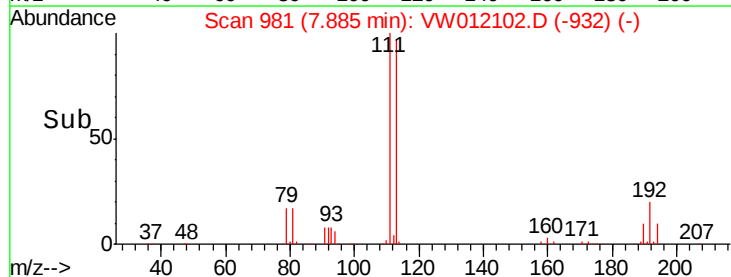
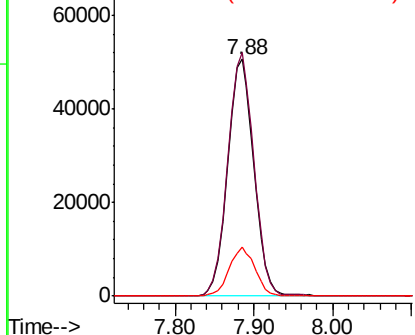


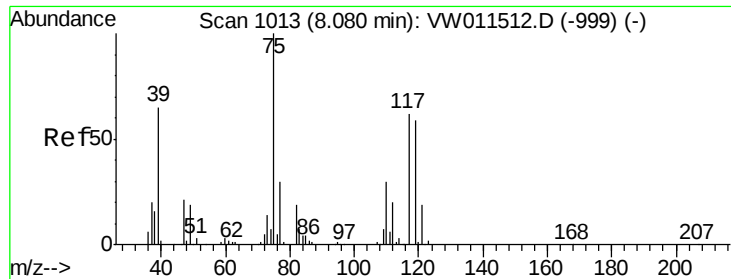
#35
 Dibromofluoromethane
 Concen: 64.972 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012102.D
 Acq: 22 Aug 2019 11:32

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.7	124.1
192	20.3	16.1	24.1



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

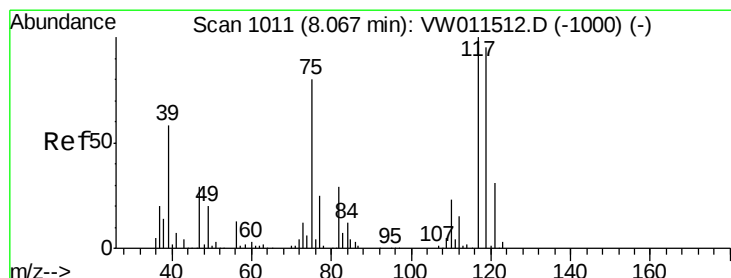
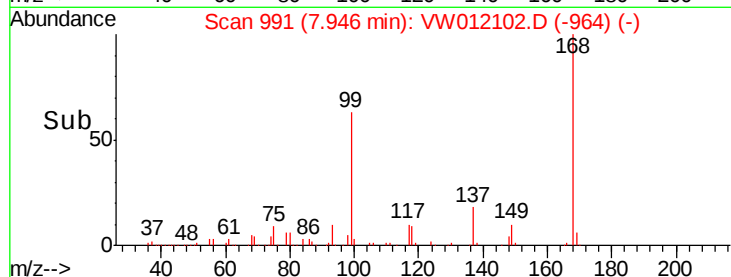
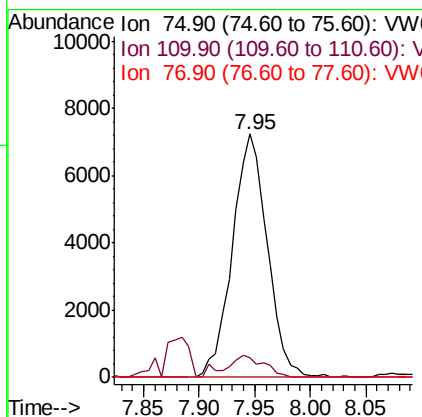
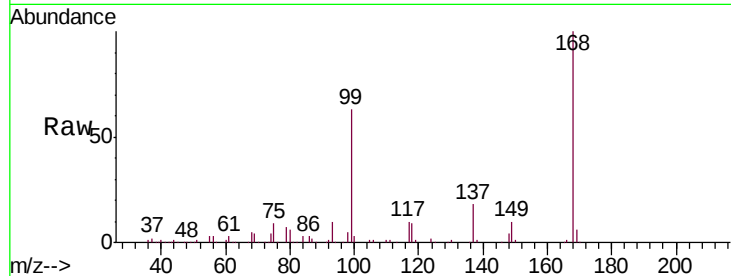




#36
 1,1-Dichloropropene
 Concen: 4.723 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012102.D
 Acq: 22 Aug 2019 11:32

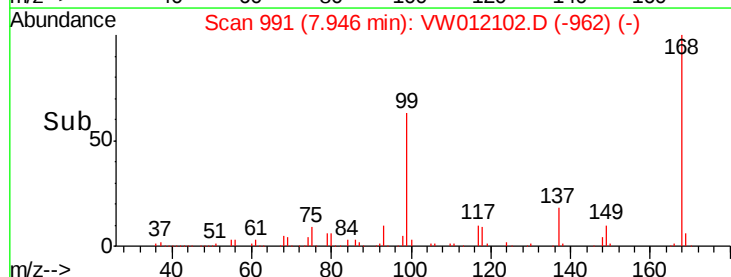
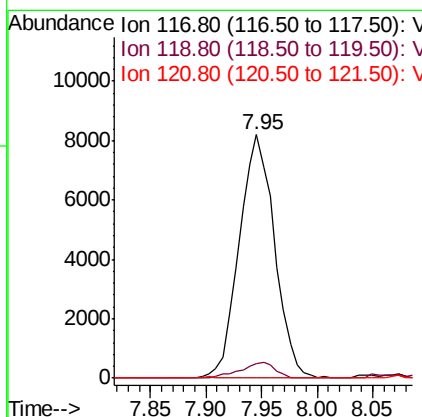
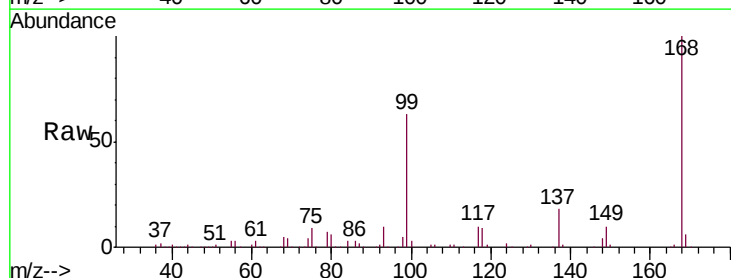
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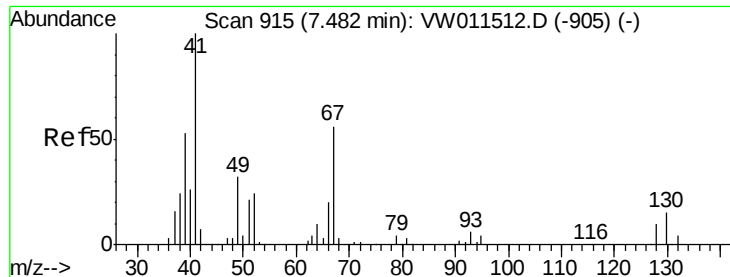
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	15.6	46.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.345 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012102.D
 Acq: 22 Aug 2019 11:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	75.8	113.6#
121	0.0	24.7	37.1#

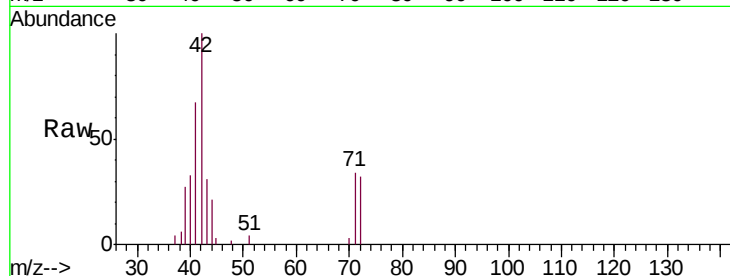




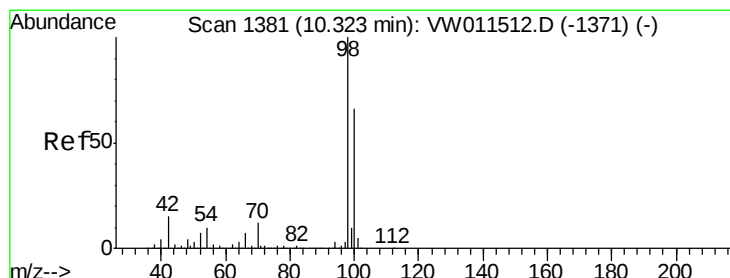
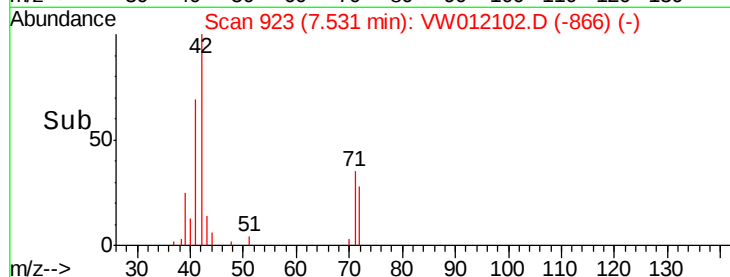
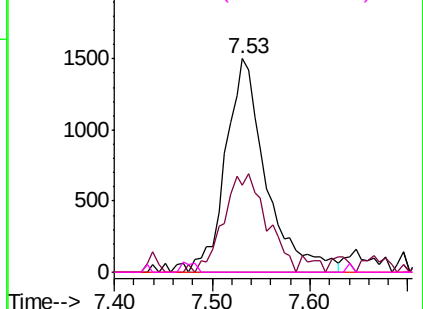
#41
Methacrylonitrile
Concen: 3.739 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.05 min
Lab File: VW012102.D
Acq: 22 Aug 2019 11:32

Instrument :
MSVOA_W
ClientSampleId :
NB-08-082019

Tgt Ion:	41	Resp:	4287
Ion	Ratio	Lower	Upper
41	100		
39	49.1	43.0	64.4
67	0.0	47.5	71.3#
52	0.0	21.0	31.6#

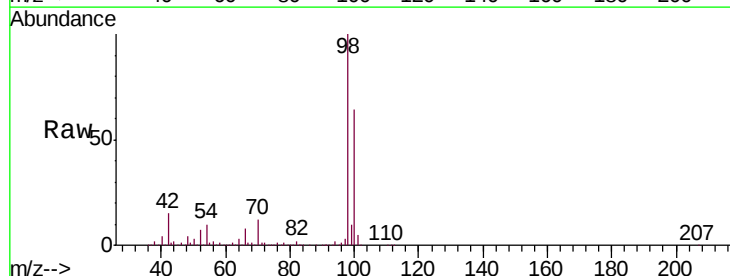


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

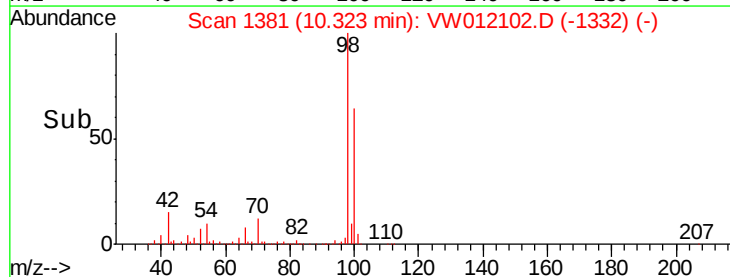
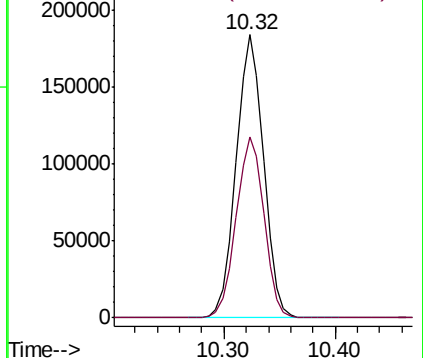


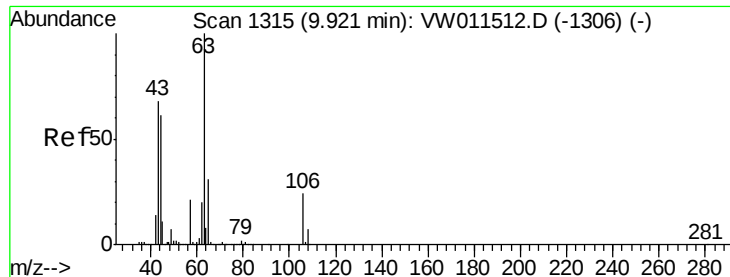
#50
Toluene-d8
Concen: 42.704 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012102.D
Acq: 22 Aug 2019 11:32

Tgt Ion:	98	Resp:	314501
Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.7	79.1



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

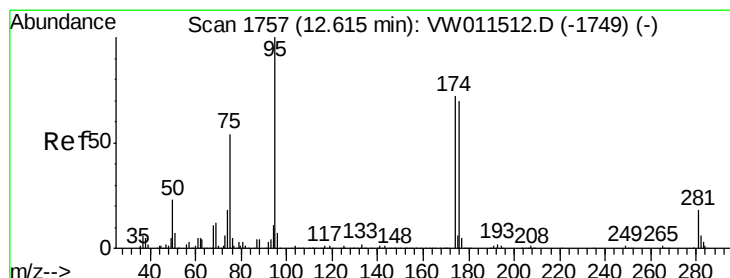
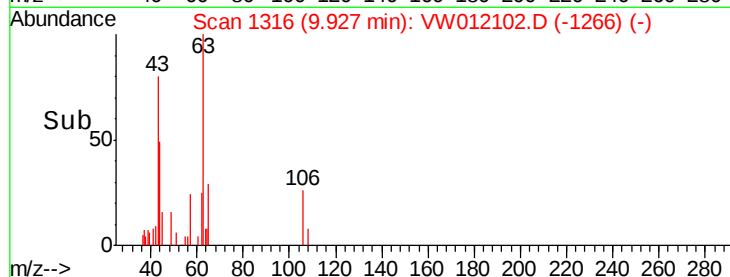
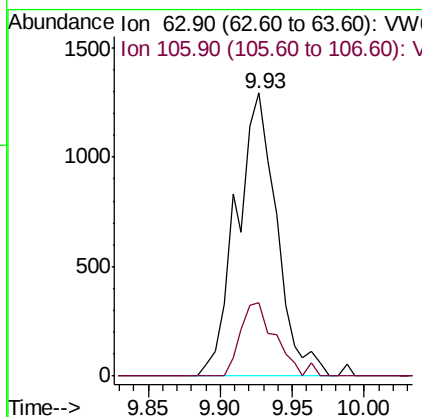
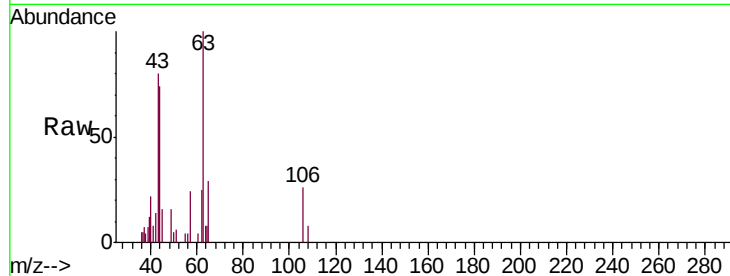




#58
 2-Chloroethyl Vinyl ether
 Concen: 2.337 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW012102.D
 Acq: 22 Aug 2019 11:32

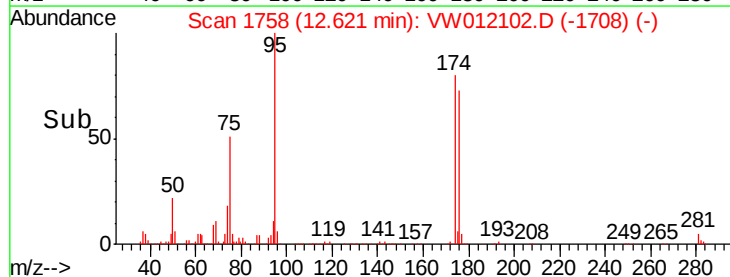
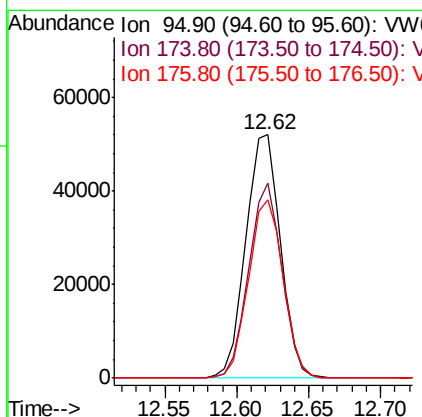
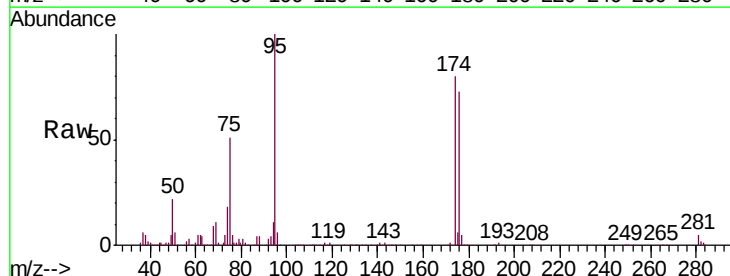
Instrument :
 MSVOA_W
 ClientSampleId :
 NB-08-082019

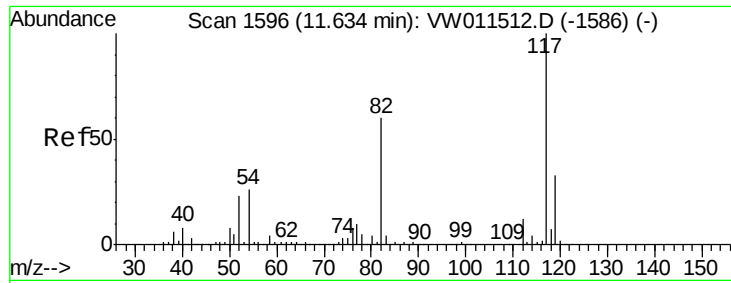
Tgt Ion: 63 Resp: 2512
 Ion Ratio Lower Upper
 63 100
 106 22.9 19.7 29.5



#62
 4-Bromofluorobenzene
 Concen: 32.840 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.01 min
 Lab File: VW012102.D
 Acq: 22 Aug 2019 11:32

Tgt Ion: 95 Resp: 86227
 Ion Ratio Lower Upper
 95 100
 174 77.0 0.0 150.2
 176 73.2 0.0 144.4

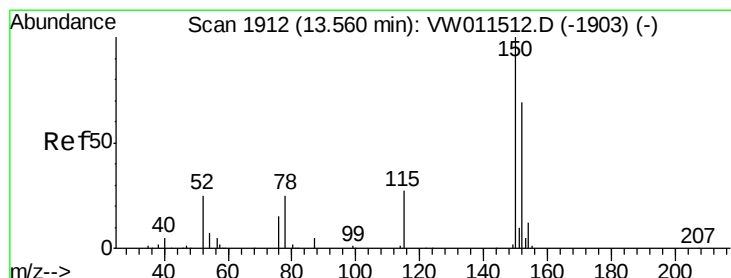
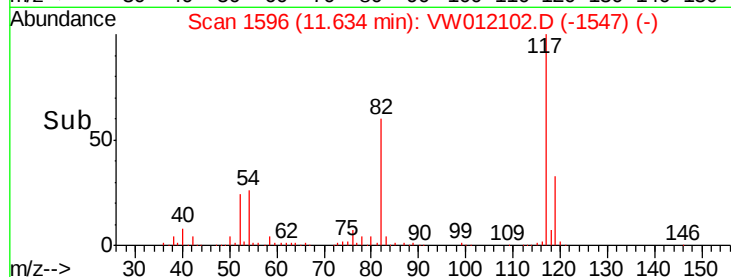
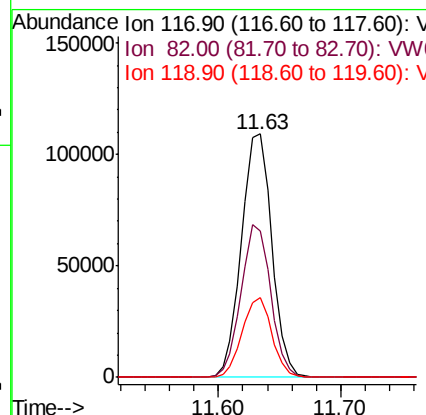
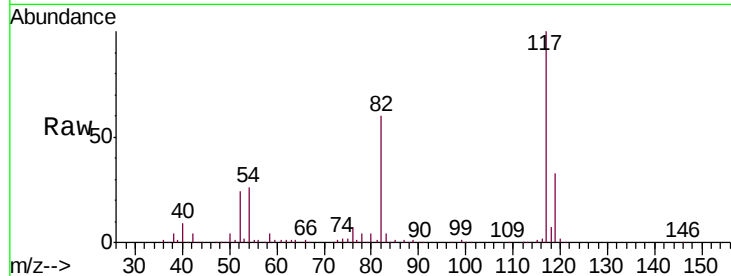




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW012102.D
Acq: 22 Aug 2019 11:32

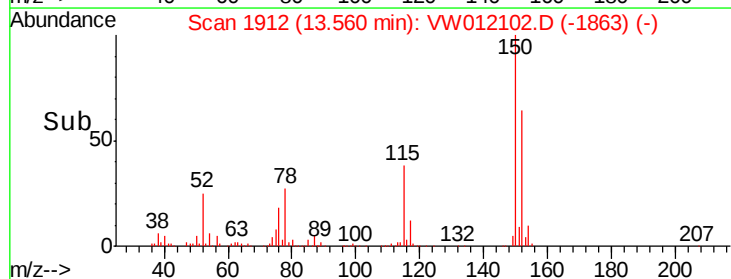
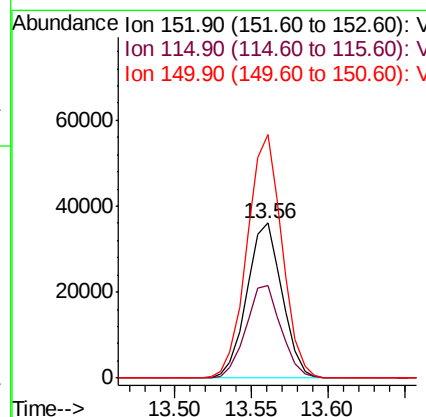
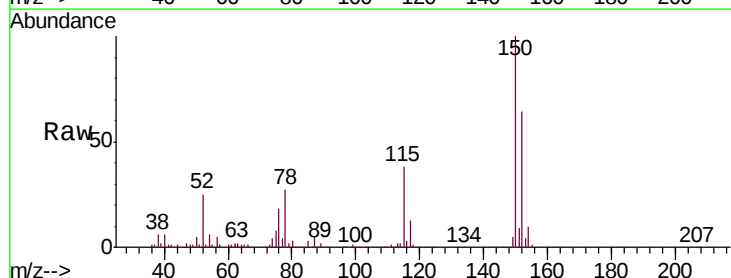
Instrument :
MSVOA_W
ClientSampleId :
NB-08-082019

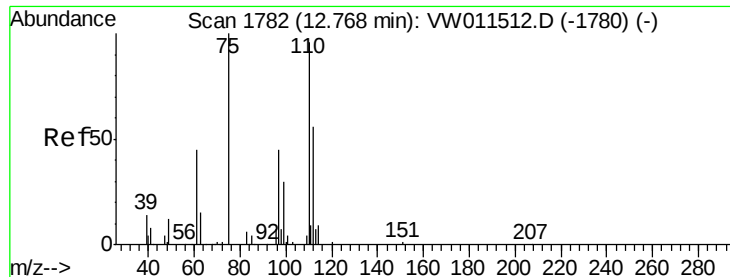
Tgt Ion:117 Resp: 189033
Ion Ratio Lower Upper
117 100
82 59.9 47.9 71.9
119 32.9 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012102.D
Acq: 22 Aug 2019 11:32

Tgt Ion:152 Resp: 57676
Ion Ratio Lower Upper
152 100
115 60.1 30.5 91.5
150 155.4 0.0 352.6





#76

1,2,3-Trichloropropane

Concen: 73.457 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW012102.D

Acq: 22 Aug 2019 11:32

Instrument :

MSVOA_W

ClientSampleId :

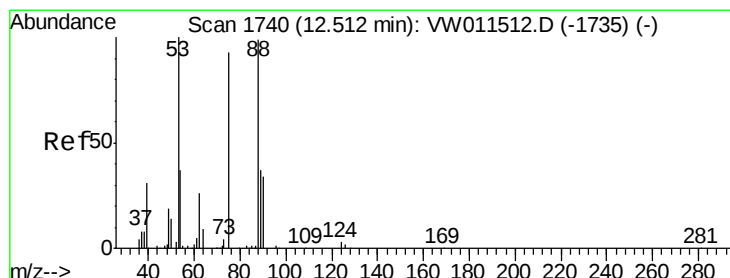
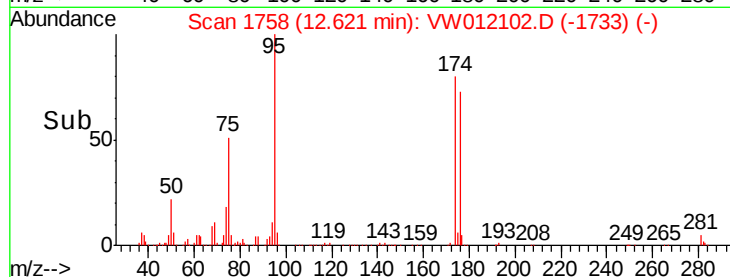
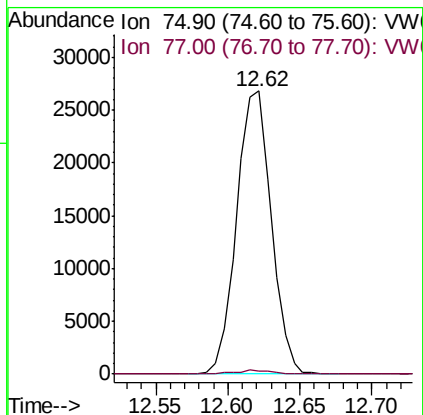
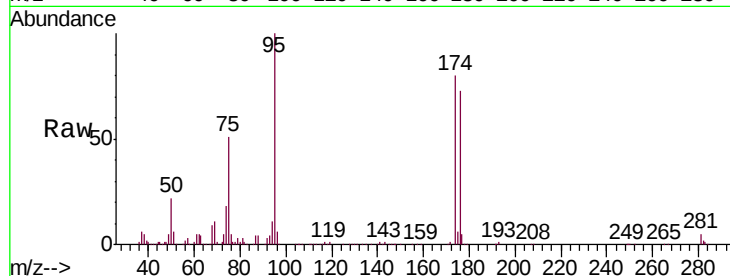
NB-08-082019

Tgt Ion: 75 Resp: 44829

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 169.292 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW012102.D

Acq: 22 Aug 2019 11:32

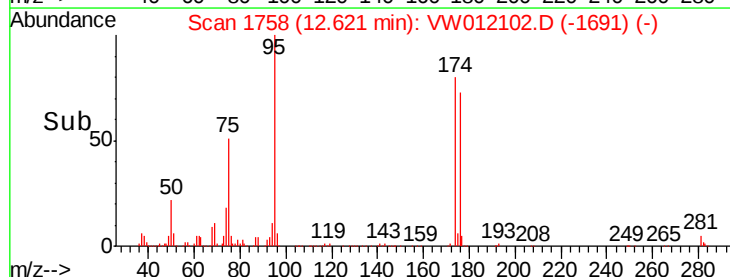
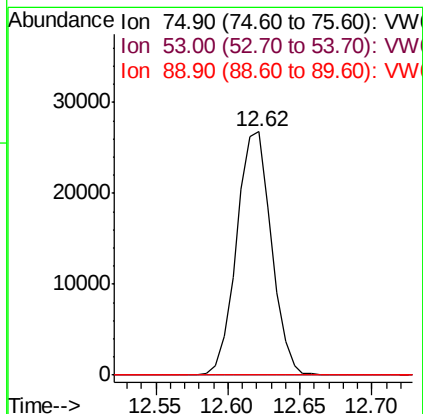
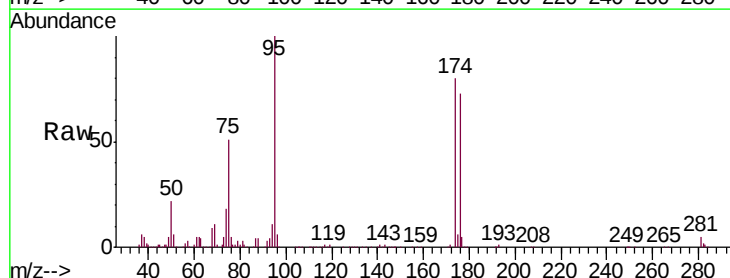
Tgt Ion: 75 Resp: 44829

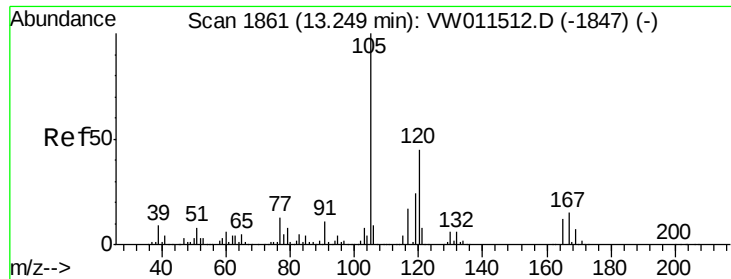
Ion Ratio Lower Upper

75 100

53 0.0 88.0 132.0#

89 0.0 35.3 52.9#

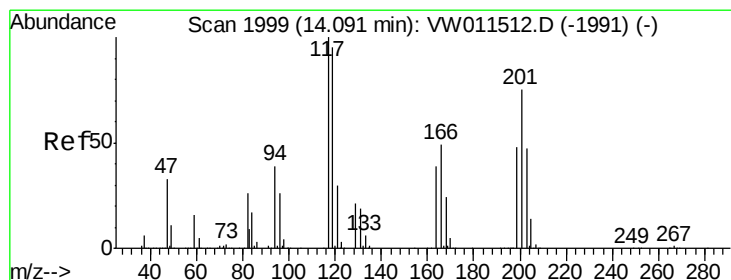
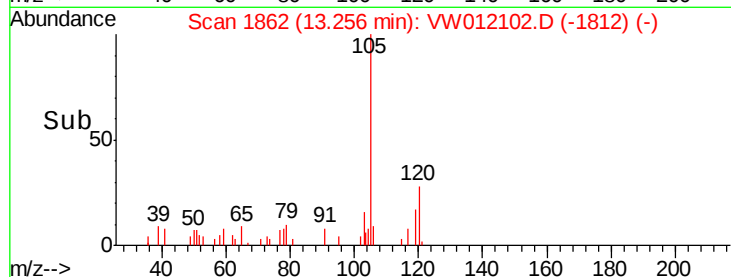
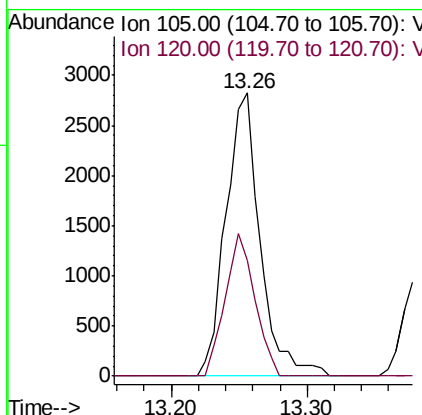
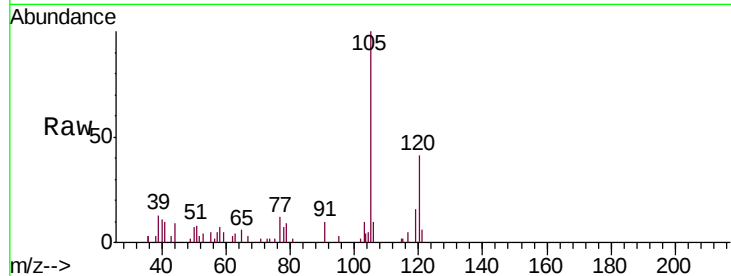




#84
 1,2,4-Trimethylbenzene
 Concen: 1.356 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.01 min
 Lab File: VW012102.D
 Acq: 22 Aug 2019 11:32

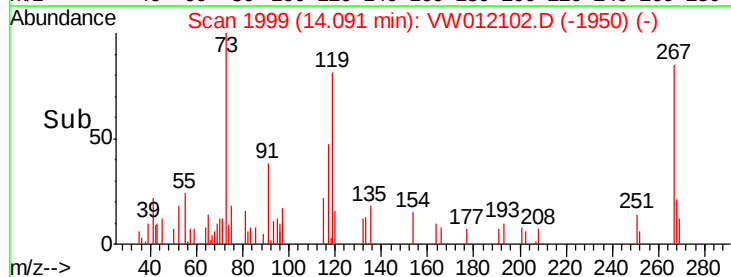
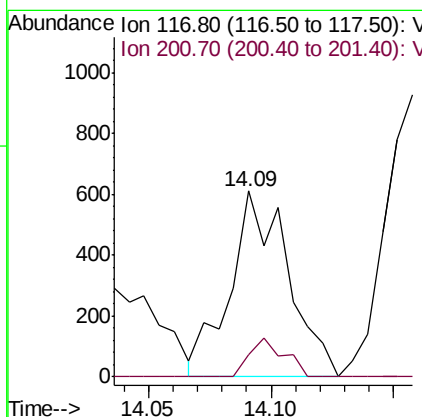
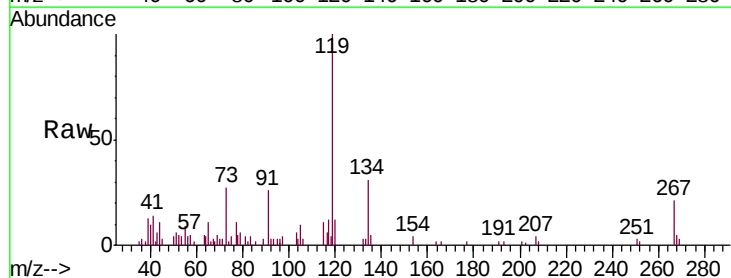
Instrument :
 MSVOA_W
 ClientSampleId :
 NB-08-082019

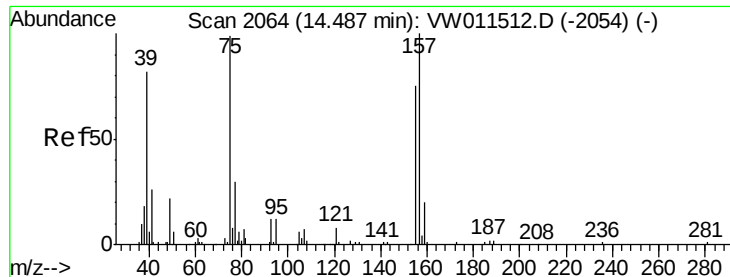
Tgt Ion:105 Resp: 4925
 Ion Ratio Lower Upper
 105 100
 120 43.6 22.1 66.5



#90
 Hexachloroethane
 Concen: 1.458 ug/l
 RT: 14.09 min Scan# 1999
 Delta R.T. 0.00 min
 Lab File: VW012102.D
 Acq: 22 Aug 2019 11:32

Tgt Ion:117 Resp: 1007
 Ion Ratio Lower Upper
 117 100
 201 12.4 39.4 118.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.616 ug/l

RT: 14.46 min Scan# 2060

Delta R.T. -0.02 min

Lab File: VW012102.D

Acq: 22 Aug 2019 11:32

Instrument :

MSVOA_W

ClientSampleId :

NB-08-082019

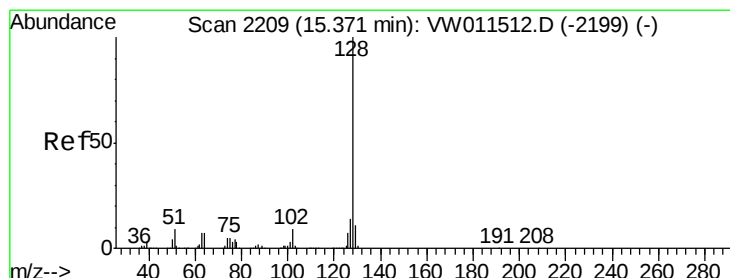
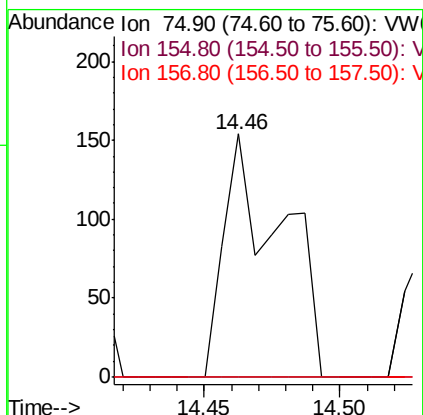
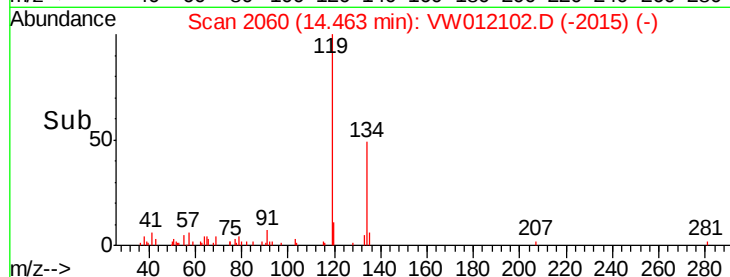
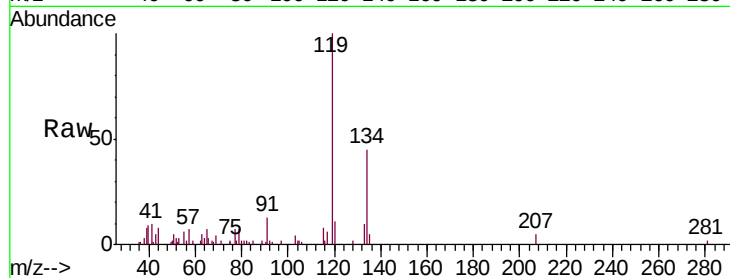
Tgt Ion: 75 Resp: 223

Ion Ratio Lower Upper

75 100

155 0.0 38.2 114.6#

157 0.0 48.9 146.7#



#95

Naphthalene

Concen: 3.450 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW012102.D

Acq: 22 Aug 2019 11:32

Tgt Ion: 128 Resp: 3287

Ion Ratio Lower Upper

128 100

127 19.5 10.6 16.0#

129 11.7 8.6 13.0

