

Data File : VW013420.D
Acq On : 03 Oct 2019 14:53
Operator : SY/VA
Sample : K5176-15
Misc : 5.10G/5ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
NB-08-100219

Quant Time: Oct 04 08:25:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 02 11:49:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	181459	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	251148	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	183221	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	57723	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	69083	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
35) Dibromofluoromethane	7.88	113	69662	52.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.72%	
50) Toluene-d8	10.32	98	269935	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
62) 4-Bromofluorobenzene	12.61	95	72996	39.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.94%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	5.14	59	4335	8.271	ug/l #	73
13) Acrolein	3.90	56	343	12.975	ug/l #	63
16) Acetone	4.12	43	62409	150.273	ug/l	97
17) Carbon Disulfide	4.37	76	8828	1.894	ug/l	98
20) Methylene Chloride	4.91	84	104029	60.373	ug/l	98
25) 2-Butanone	7.18	43	25503	47.991	ug/l	90
26) 2,2-Dichloropropane	7.14	77	2418	Below Cal	#	52
28) Bromochloromethane	7.67	49	51491	48.996	ug/l #	10
29) Tetrahydrofuran	7.70	42	5841	27.858	ug/l #	1
30) Chloroform	7.68	83	693661	243.379	ug/l	97
31) Cyclohexane	7.92	56	307992	99.360	ug/l #	44
36) 1,1-Dichloropropene	7.95	75	12309	5.277	ug/l #	49
37) Ethyl Acetate	7.18	43	25503	24.848	ug/l #	69
38) Carbon Tetrachloride	7.94	117	15674	7.757	ug/l #	19
39) Methylcyclohexane	9.33	83	39814	12.960	ug/l	98
40) Benzene	8.32	78	15848	2.400	ug/l	97
41) Methacrylonitrile	7.51	41	1331	2.144	ug/l #	24
43) Isopropyl Acetate	8.41	43	130006	67.095	ug/l #	50
48) Methyl methacrylate	9.52	41	6713	7.210	ug/l #	85
51) 4-Methyl-2-Pentanone	10.21	43	35071	34.450	ug/l	99
52) Toluene	10.38	92	1530746	359.402	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	16707	8.262	ug/l #	1
55) 1,1,2-Trichloroethane	10.76	97	4429	3.760	ug/l #	24
59) 2-Hexanone	11.07	43	1439	2.039	ug/l	80
65) Chlorobenzene	11.66	112	4984	1.328	ug/l	95
67) Ethyl Benzene	11.73	91	103881	15.441	ug/l	100
68) m/p-Xylenes	11.83	106	203697	78.444	ug/l	98
69) o-Xylene	12.16	106	87954	36.634	ug/l	98
70) Styrene	12.18	104	20442	4.981	ug/l #	35
73) Isopropylbenzene	12.46	105	22644	5.363	ug/l	86
74) N-amyl acetate	12.25	43	22677	25.236	ug/l #	59
76) 1,2,3-Trichloropropane	12.61	75	34797	67.827	ug/l #	100
77) Bromobenzene	12.87	156	4613	4.550	ug/l #	42
78) n-propylbenzene	12.80	91	33515	6.901	ug/l	97

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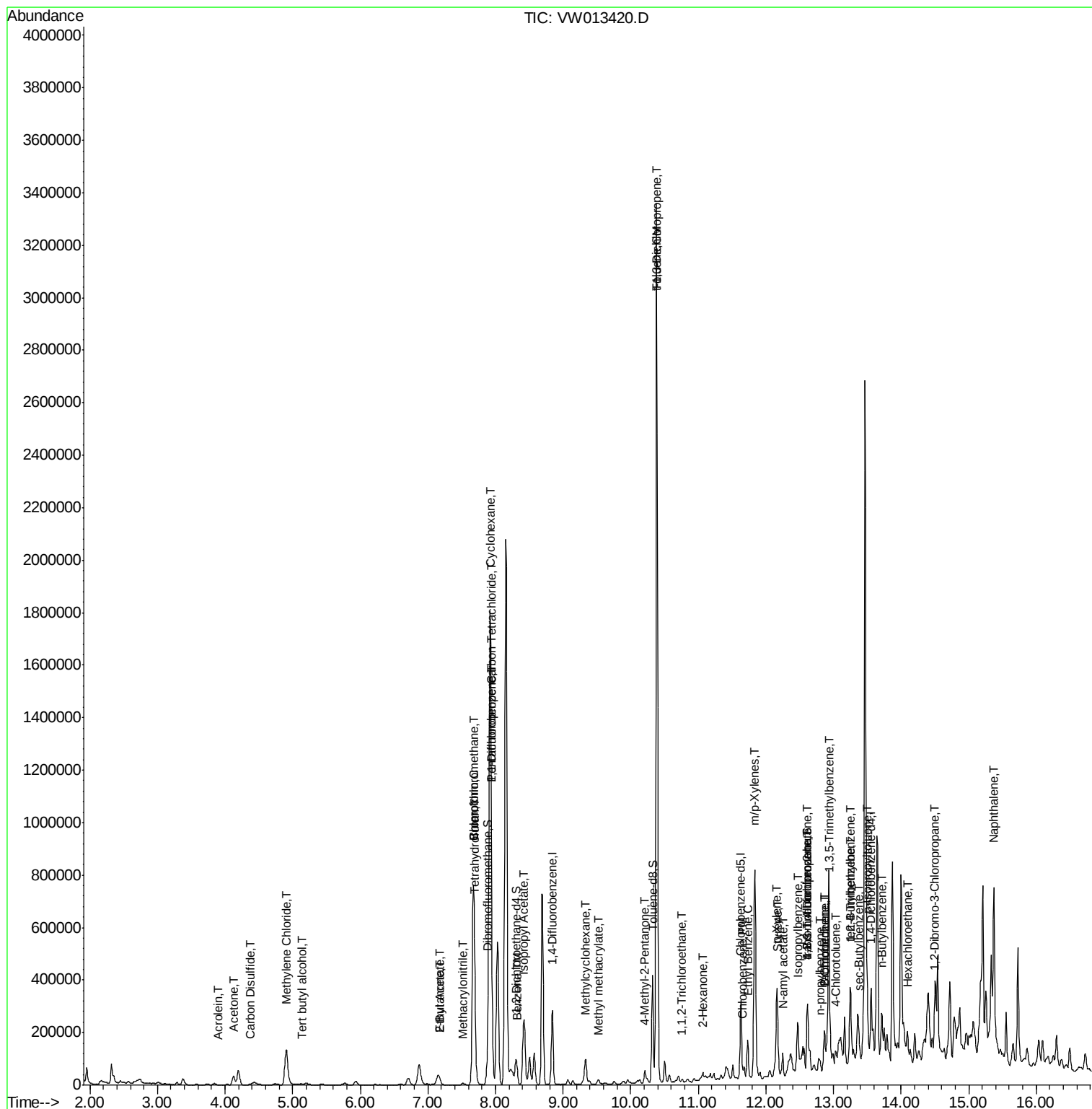
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) 2-Chlorotoluene	12.86	91	9305	3.449	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.94	105	51040	14.552	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.61	75	34797	136.318	ug/l #	12
82) 4-Chlorotoluene	13.02	91	3683	1.303	ug/l #	40
83) tert-Butylbenzene	13.25	119	21435	6.997	ug/l #	51
84) 1,2,4-Trimethylbenzene	13.25	105	173315	49.706	ug/l	100
85) sec-Butylbenzene	13.38	105	27635	6.543	ug/l	85
86) p-Isopropyltoluene	13.50	119	152015	38.834	ug/l #	78
89) n-Butylbenzene	13.71	91	28388	8.044	ug/l	85
90) Hexachloroethane	14.10	117	4520	6.989	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	14.49	75	237	2.217	ug/l #	1
95) Naphthalene	15.36	128	23515	11.520	ug/l #	88

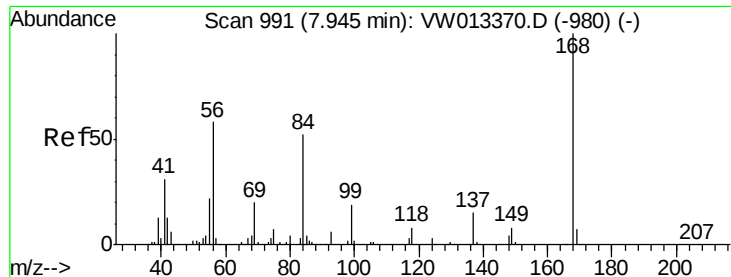
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013420.D

Acq: 03 Oct 2019 14:53

Instrument :

MSVOA_W

ClientSampleId :

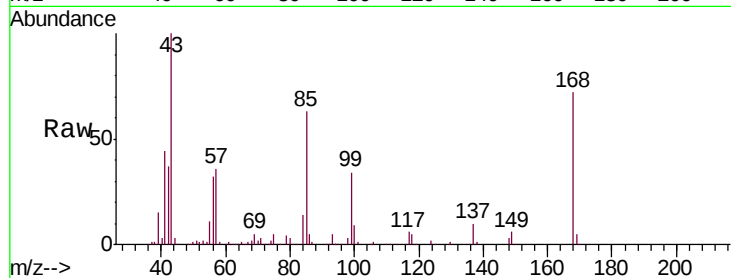
NB-08-100219

Tgt Ion:168 Resp: 181459

Ion Ratio Lower Upper

168 100

99 46.6 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

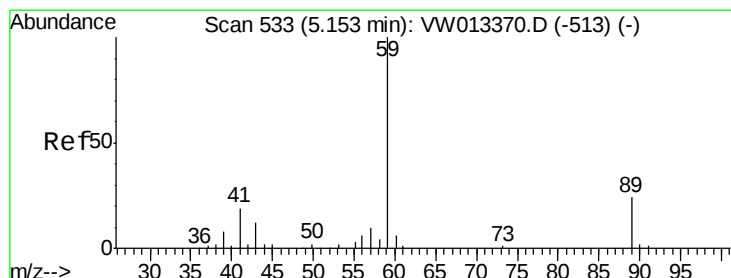
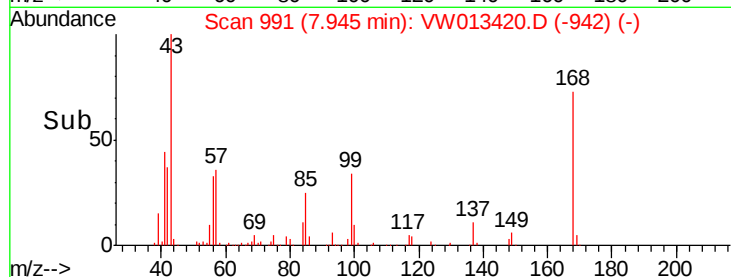
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: 8.271 ug/l

RT: 5.14 min Scan# 531

Delta R.T. -0.01 min

Lab File: VW013420.D

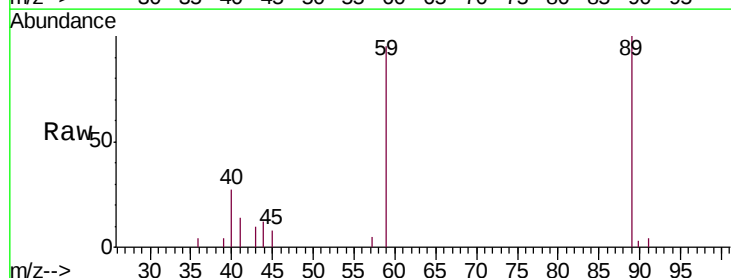
Acq: 03 Oct 2019 14:53

Tgt Ion: 59 Resp: 4335

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.14

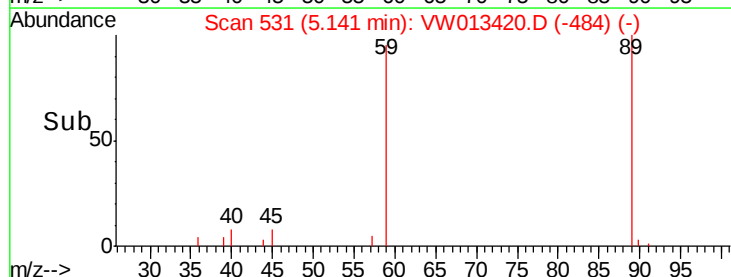
3000

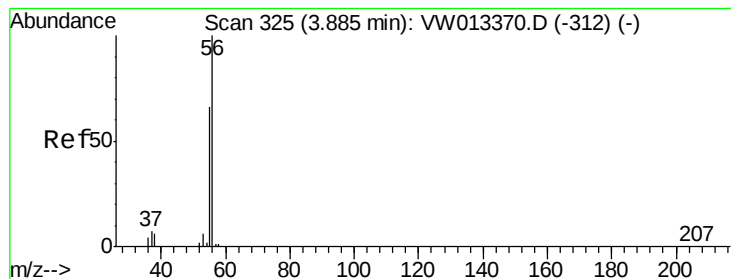
2000

1000

0

Time--> 5.00 5.05 5.10 5.15





#13

Acrolein

Concen: 12.975 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.02 min

Lab File: VW013420.D

Acq: 03 Oct 2019 14:53

Instrument :

MSVOA_W

ClientSampled :

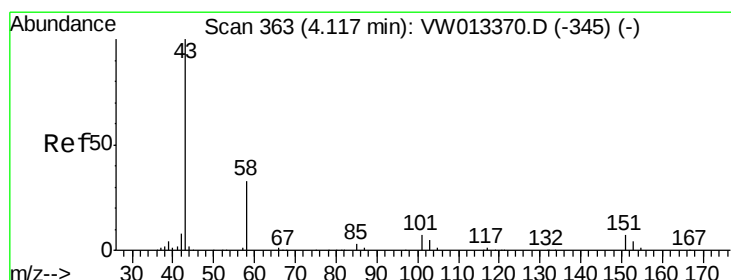
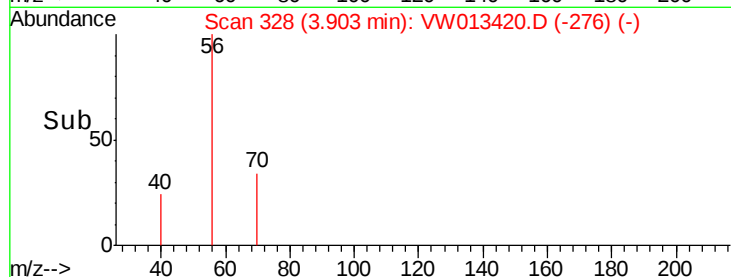
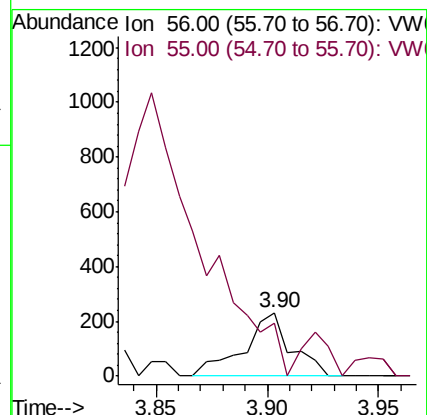
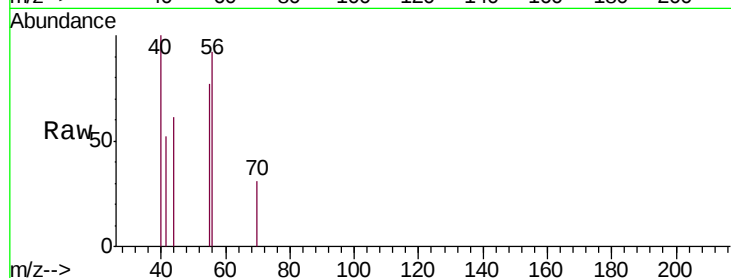
NB-08-100219

Tgt Ion: 56 Resp: 343

Ion Ratio Lower Upper

56 100

55 39.1 55.4 83.0#



#16

Acetone

Concen: 150.273 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW013420.D

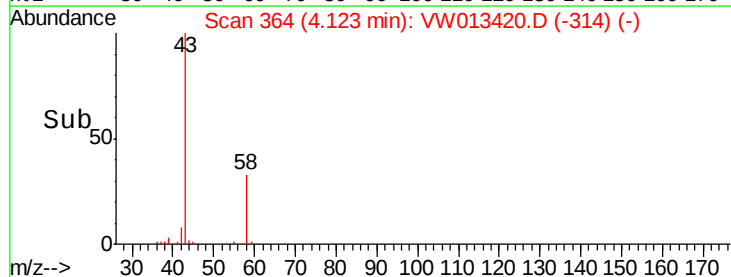
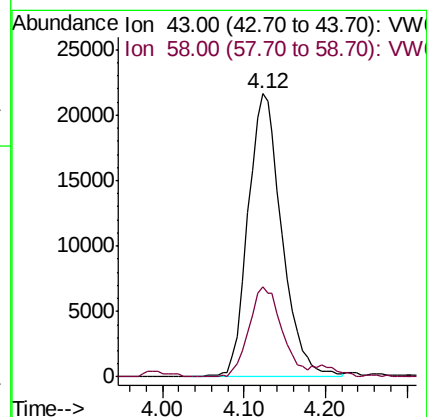
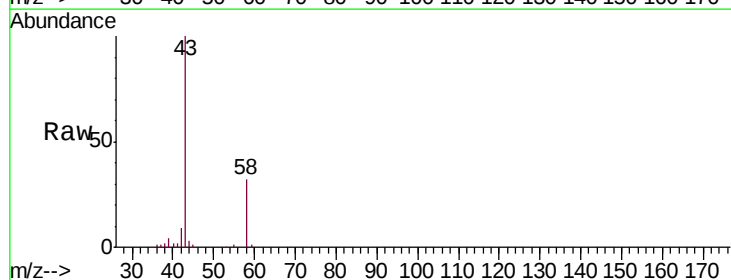
Acq: 03 Oct 2019 14:53

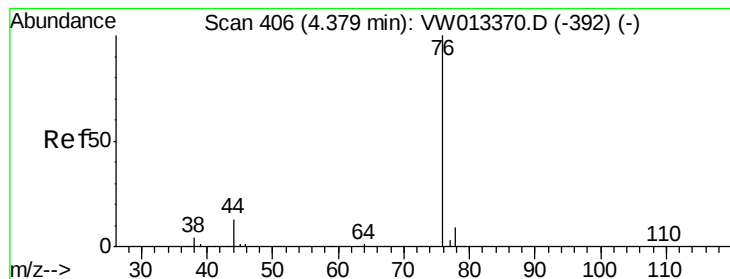
Tgt Ion: 43 Resp: 62409

Ion Ratio Lower Upper

43 100

58 31.7 24.1 36.1





#17

Carbon Disulfide

Concen: 1.894 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW013420.D

Acq: 03 Oct 2019 14:53

Instrument :

MSVOA_W

ClientSampleId :

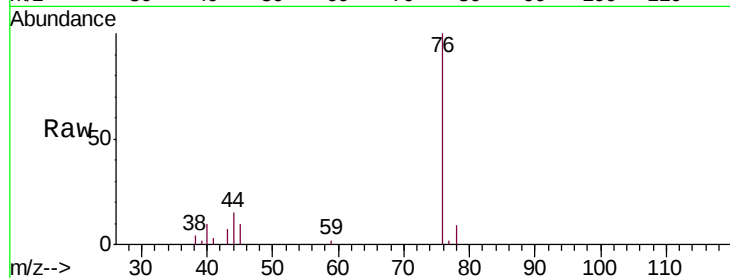
NB-08-100219

Tgt Ion: 76 Resp: 8828

Ion Ratio Lower Upper

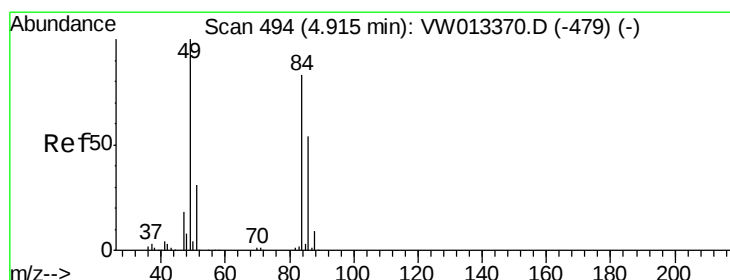
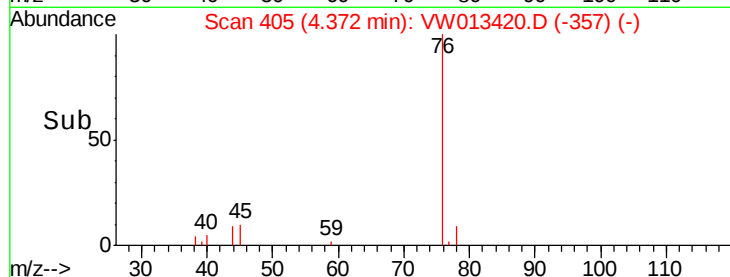
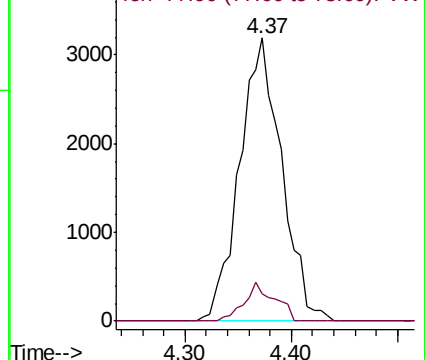
76 100

78 9.5 7.0 10.4



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#20

Methylene Chloride

Concen: 60.373 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW013420.D

Acq: 03 Oct 2019 14:53

Tgt Ion: 84 Resp: 104029

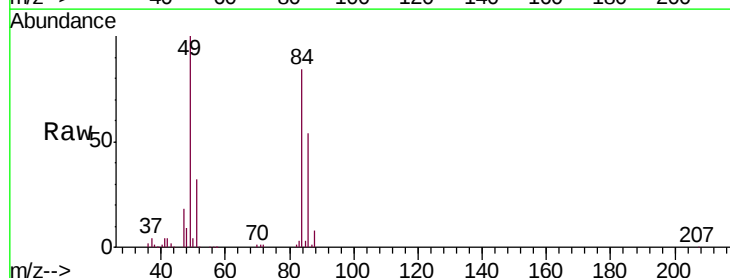
Ion Ratio Lower Upper

84 100

49 118.6 97.6 146.4

51 37.6 30.2 45.2

86 64.6 50.6 76.0

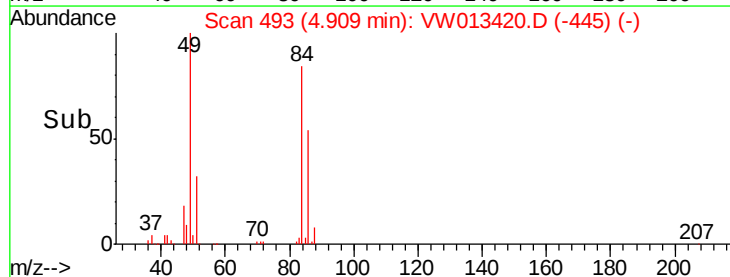
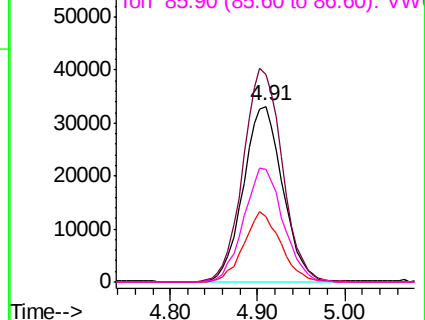


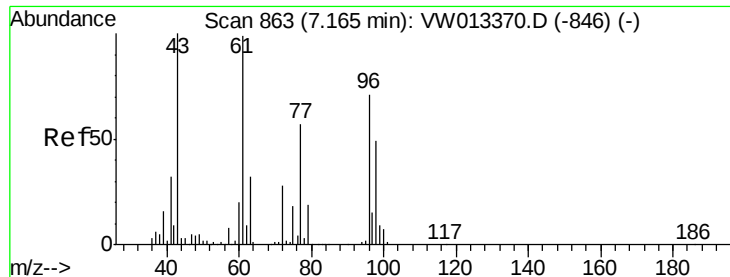
Abundance Ion 83.90 (83.60 to 84.60): VW

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

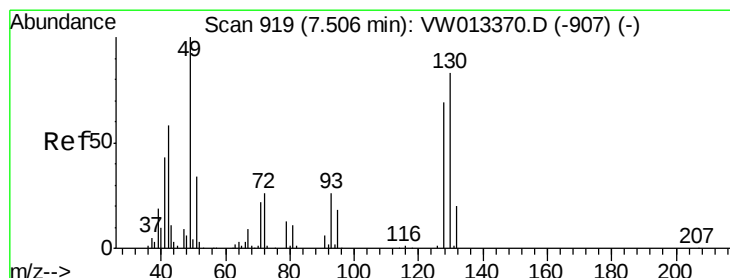
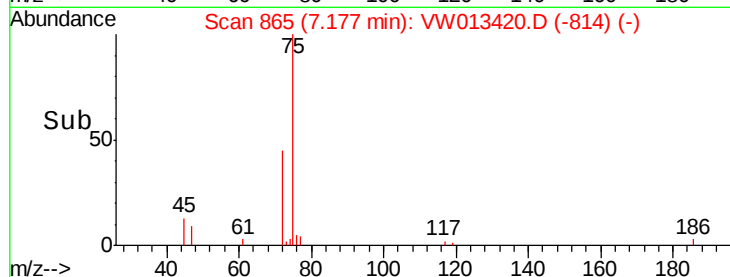
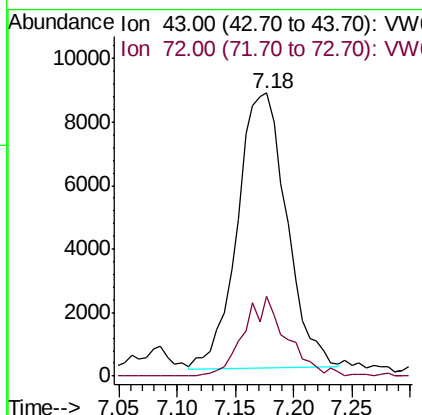
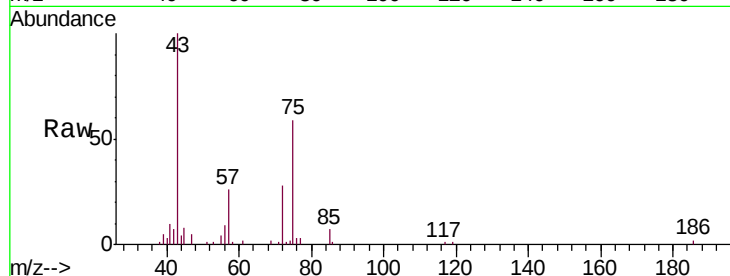




#25
2-Butanone
Concen: 47.991 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW013420.D
Acq: 03 Oct 2019 14:53

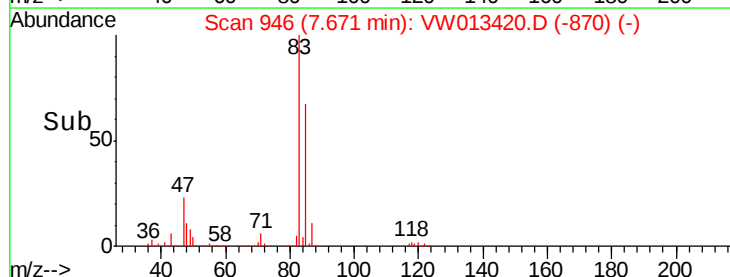
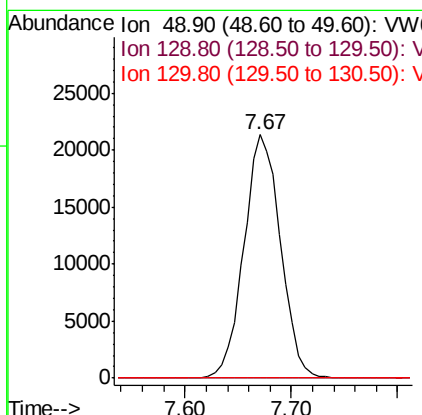
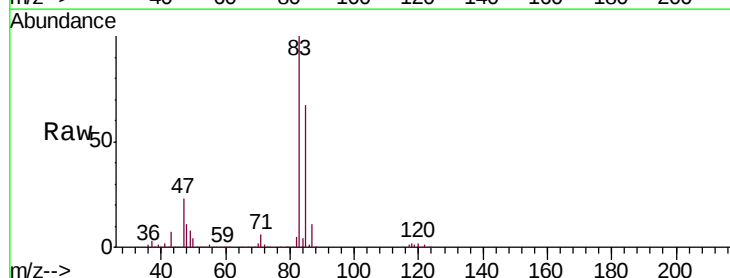
Instrument :
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NB-08-100219

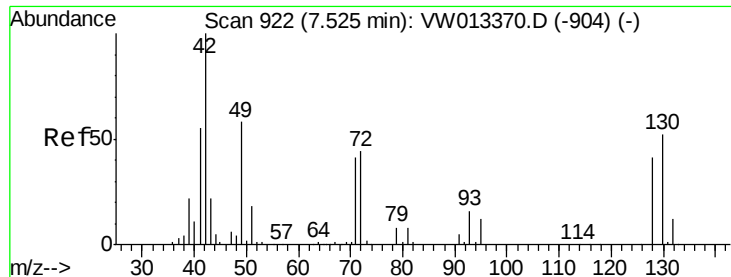
Tgt Ion: 43 Resp: 25503
Ion Ratio Lower Upper
43 100
72 28.9 19.4 29.0



#28
Bromochloromethane
Concen: 48.996 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.16 min
Lab File: VW013420.D
Acq: 03 Oct 2019 14:53

Tgt Ion: 49 Resp: 51491
Ion Ratio Lower Upper
49 100
129 0.0 0.0 1.0
130 0.0 63.4 95.2#





#29

Tetrahydrofuran

Concen: 27.858 ug/l

RT: 7.70 min Scan# 950

Delta R.T. 0.17 min

Lab File: VW013420.D

Acq: 03 Oct 2019 14:53

Instrument :

MSVOA_W

ClientSampleId :

NB-08-100219

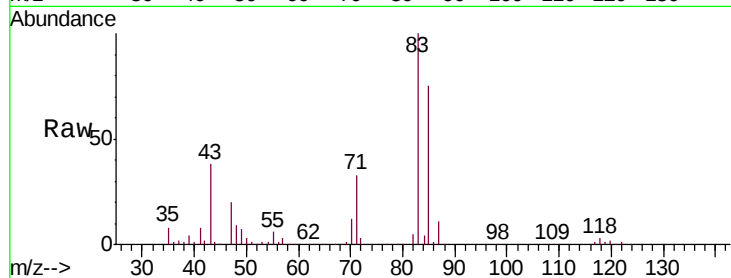
Tgt Ion: 42 Resp: 5841

Ion Ratio Lower Upper

42 100

72 169.1 33.9 50.9#

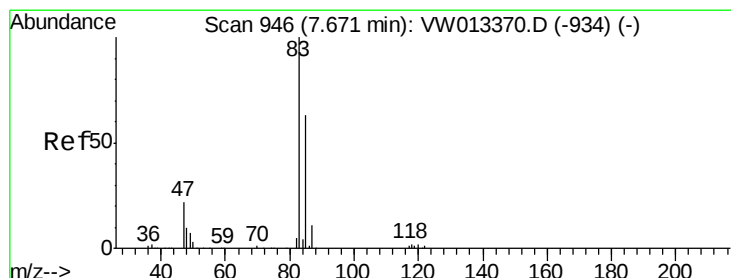
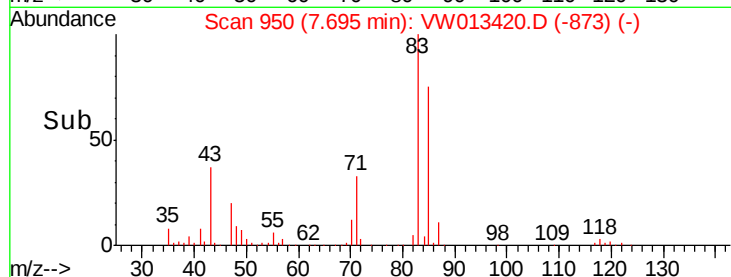
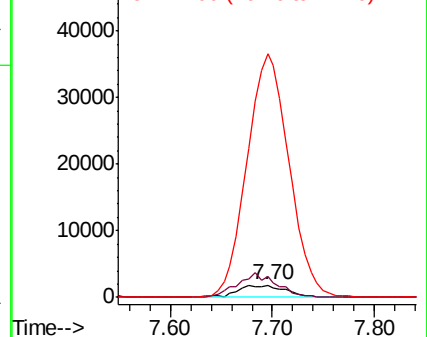
71 1792.0 31.9 47.9#



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



#30

Chloroform

Concen: 243.379 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW013420.D

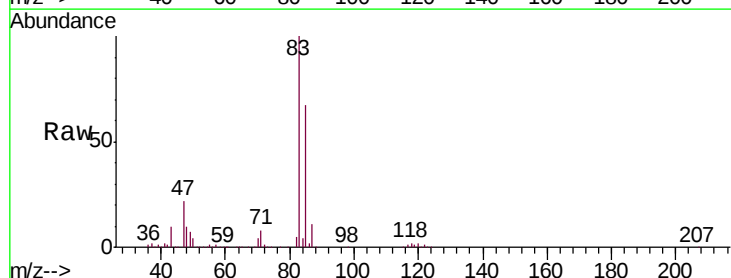
Acq: 03 Oct 2019 14:53

Tgt Ion: 83 Resp: 693661

Ion Ratio Lower Upper

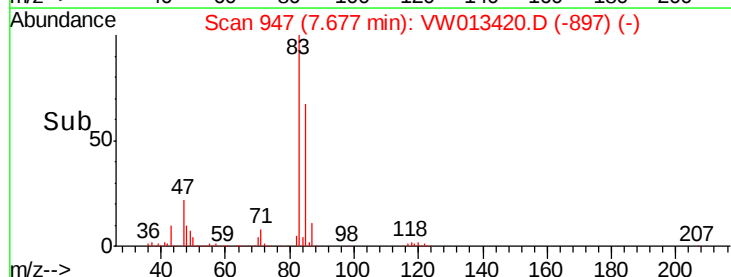
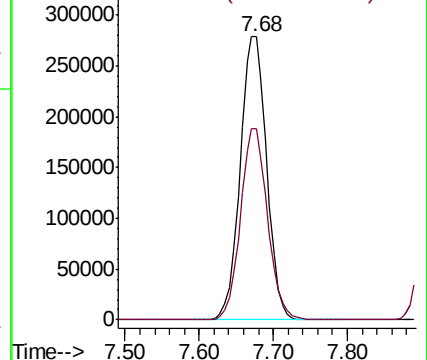
83 100

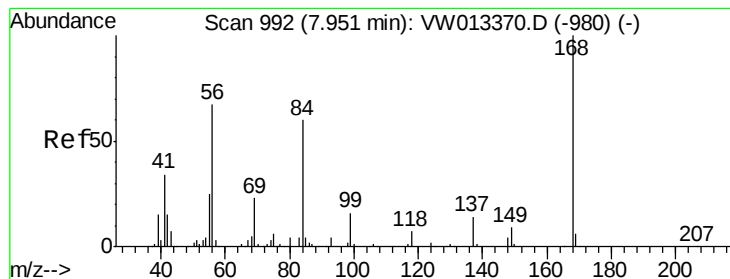
85 67.5 52.3 78.5



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 99.360 ug/l

RT: 7.92 min Scan# 987

Delta R.T. -0.03 min

Lab File: VW013420.D

Acq: 03 Oct 2019 14:53

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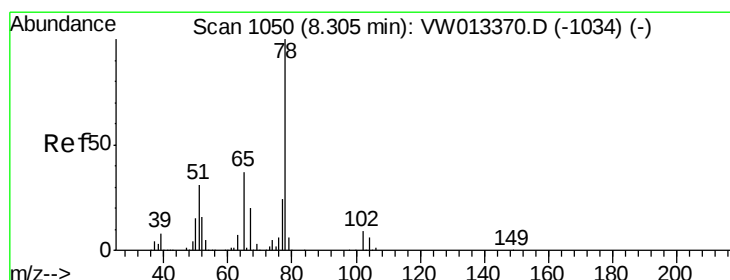
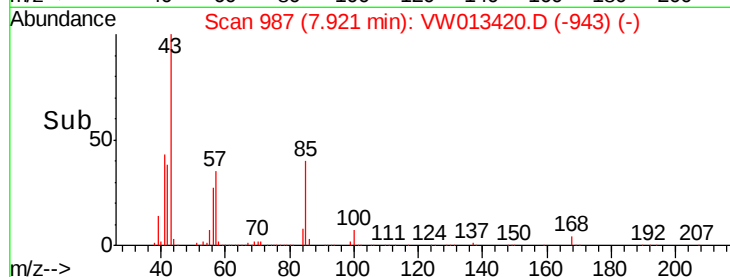
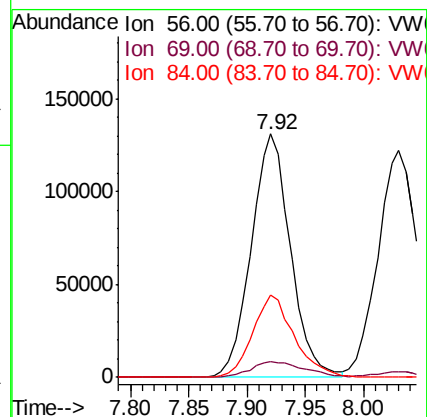
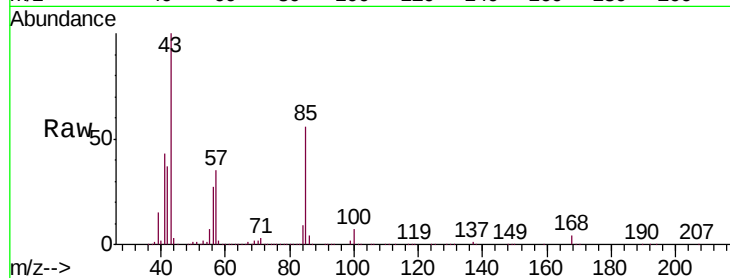
Tgt Ion: 56 Resp: 307992

Ion Ratio Lower Upper

56 100

69 6.2 27.2 40.8#

84 33.8 70.8 106.2#



#33

1,2-Dichloroethane-d4

Concen: 50.987 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013420.D

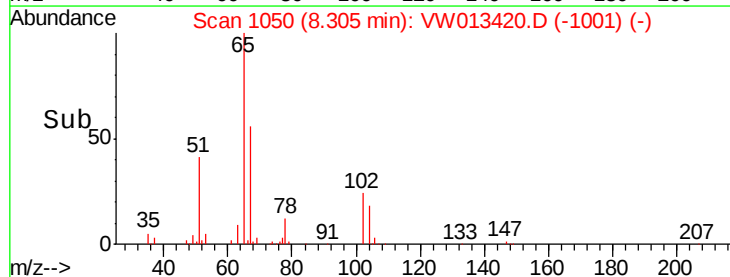
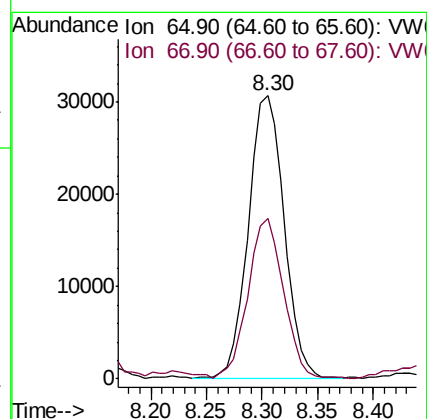
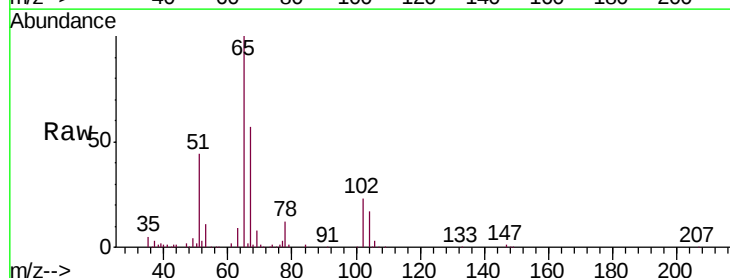
Acq: 03 Oct 2019 14:53

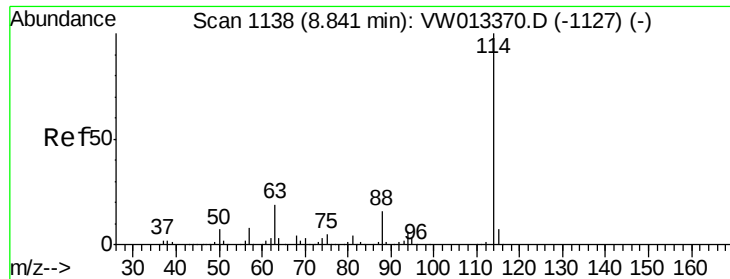
Tgt Ion: 65 Resp: 69083

Ion Ratio Lower Upper

65 100

67 56.1 0.0 106.2

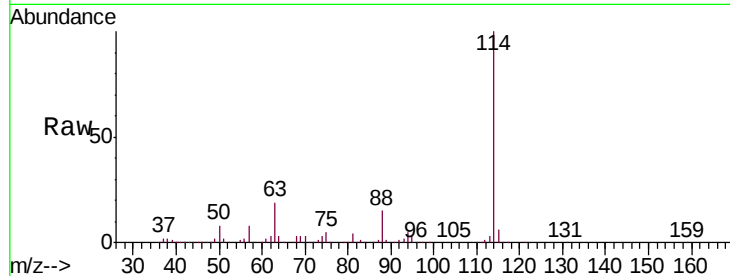




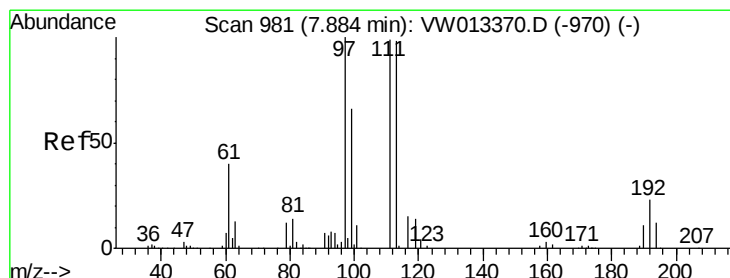
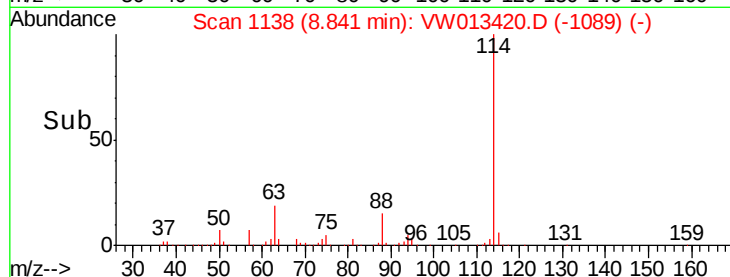
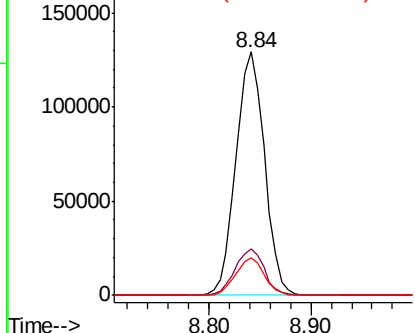
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW013420.D
Acq: 03 Oct 2019 14:53

Instrument :
MSVOA_W
ClientSampleId :
NB-08-100219

Tgt Ion:114 Resp: 251148
Ion Ratio Lower Upper
114 100
63 18.9 0.0 41.4
88 15.3 0.0 32.0

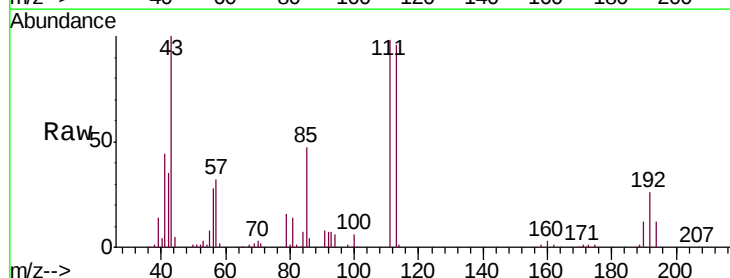


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

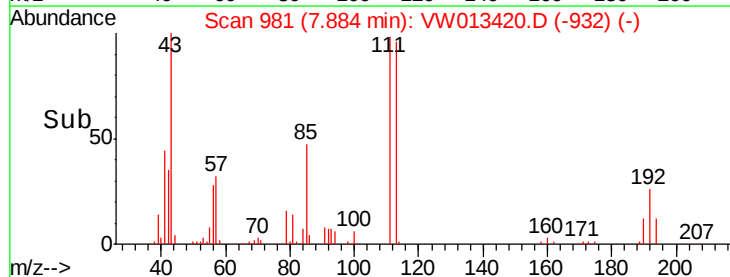
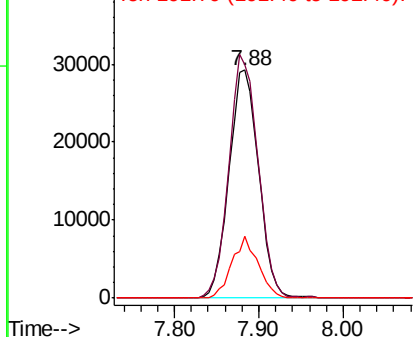


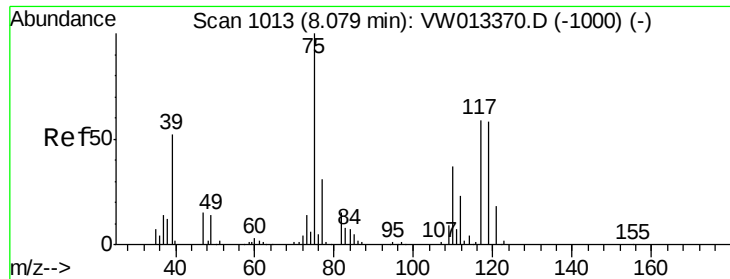
#35
Dibromofluoromethane
Concen: 52.861 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW013420.D
Acq: 03 Oct 2019 14:53

Tgt Ion:113 Resp: 69662
Ion Ratio Lower Upper
113 100
111 105.2 81.9 122.9
192 24.0 19.1 28.7



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

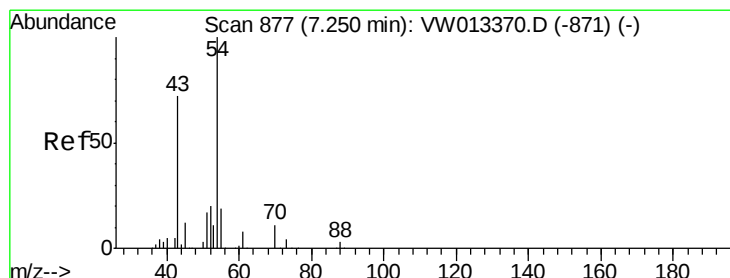
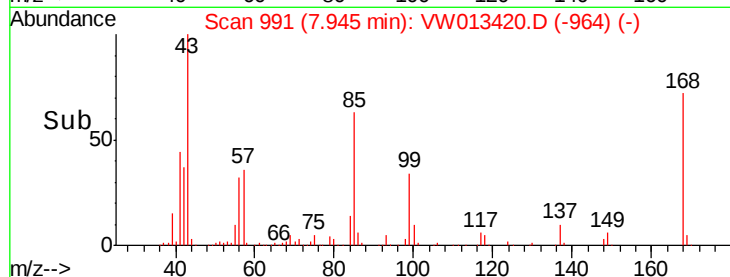
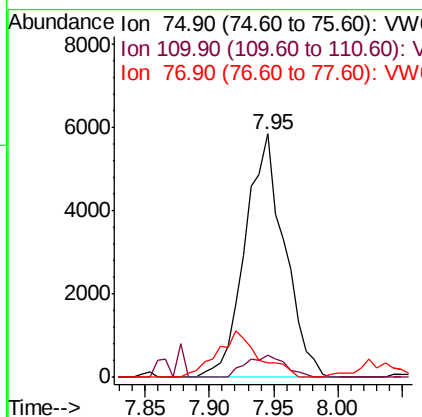
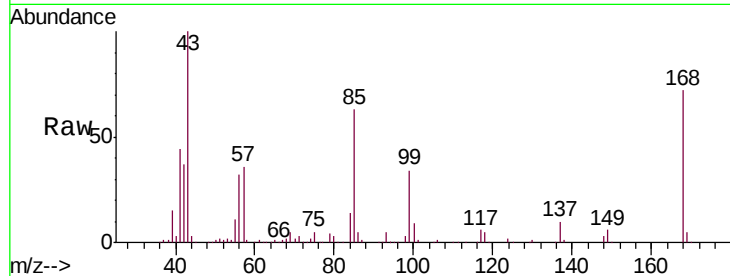




#36
 1,1-Dichloropropene
 Concen: 5.277 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013420.D
 Acq: 03 Oct 2019 14:53

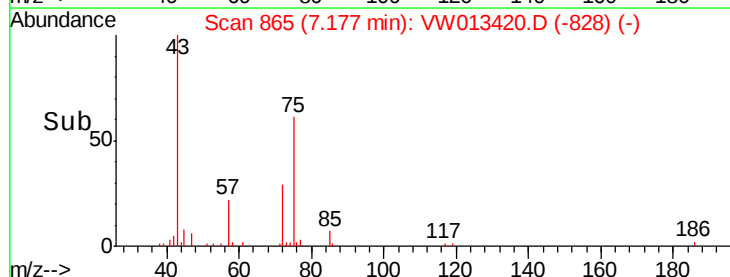
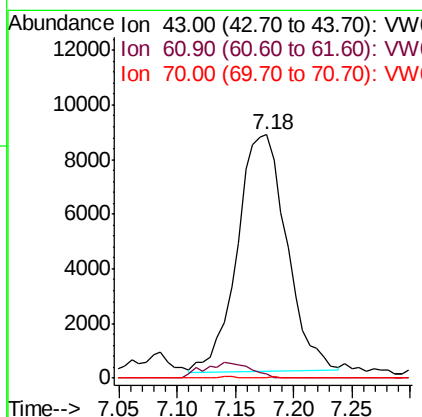
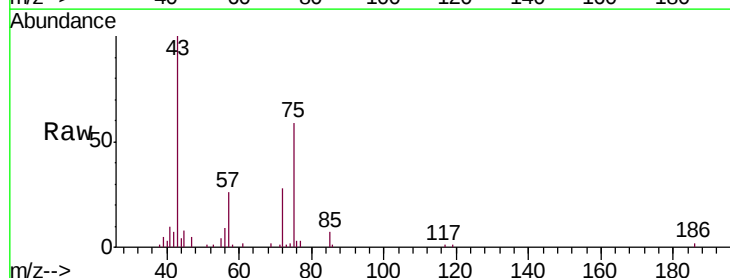
Instrument :
 MSVOA_W
 ClientSampleId :
 NB-08-100219

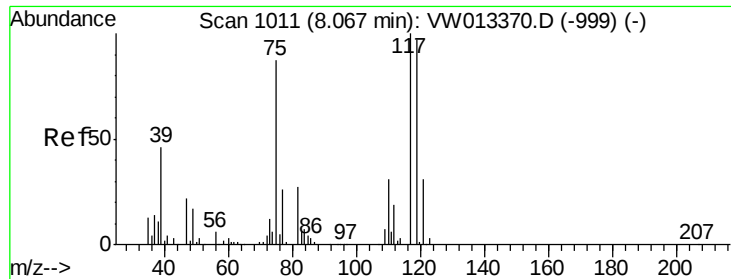
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.1	54.3#
77	0.0	25.8	38.6#



#37
 Ethyl Acetate
 Concen: 24.848 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. -0.07 min
 Lab File: VW013420.D
 Acq: 03 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.9	16.3#
70	0.1	8.2	12.2#

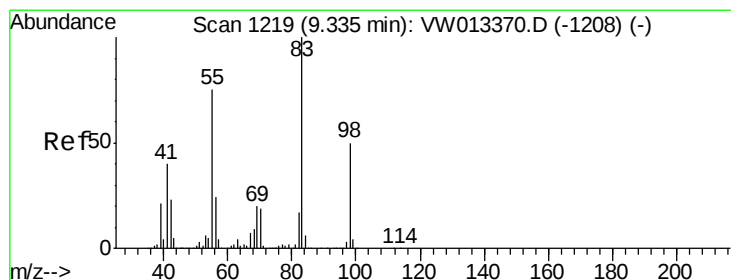
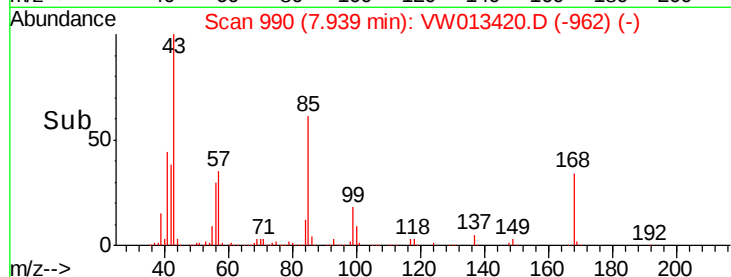
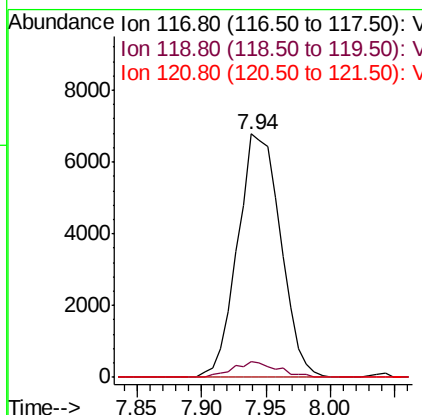
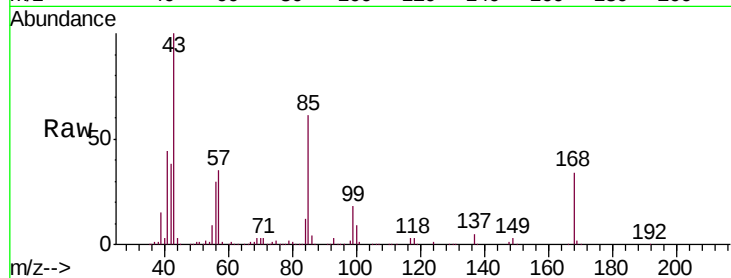




#38
Carbon Tetrachloride
Concen: 7.757 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.13 min
Lab File: VW013420.D
Acq: 03 Oct 2019 14:53

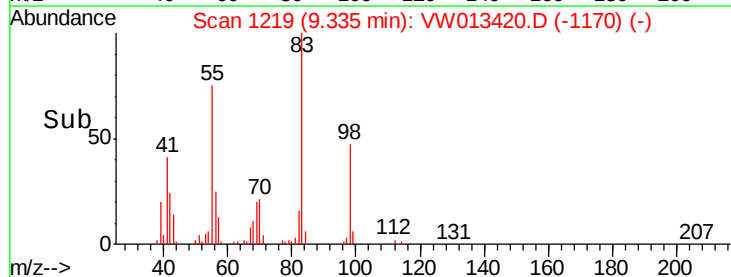
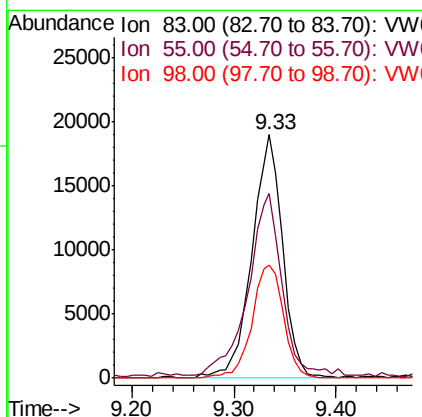
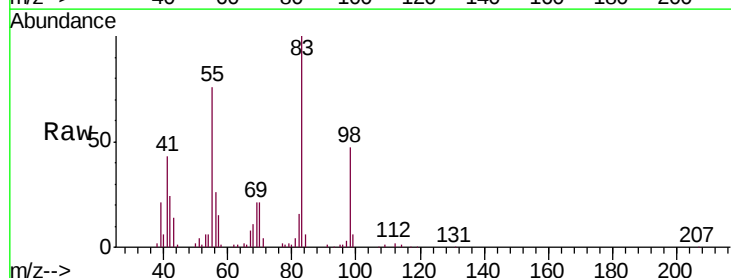
Instrument :
MSVOA_W
ClientSampleId :
NB-08-100219

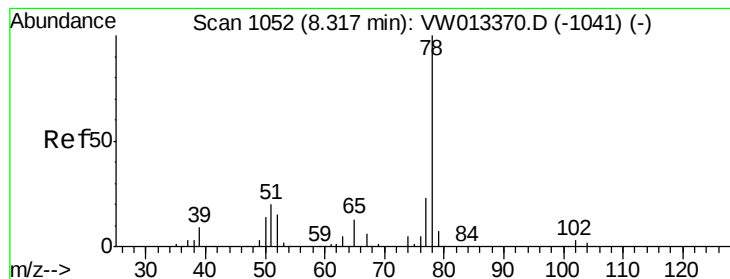
Tgt Ion: 117 Resp: 15674
Ion Ratio Lower Upper
117 100
119 6.6 73.5 110.3#
121 0.0 25.0 37.6#



#39
Methylcyclohexane
Concen: 12.960 ug/l
RT: 9.33 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013420.D
Acq: 03 Oct 2019 14:53

Tgt Ion: 83 Resp: 39814
Ion Ratio Lower Upper
83 100
55 75.0 60.4 90.6
98 46.7 40.0 60.0





#40

Benzene

Concen: 2.400 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VW013420.D

Acq: 03 Oct 2019 14:53

Instrument :

MSVOA_W

ClientSampleId :

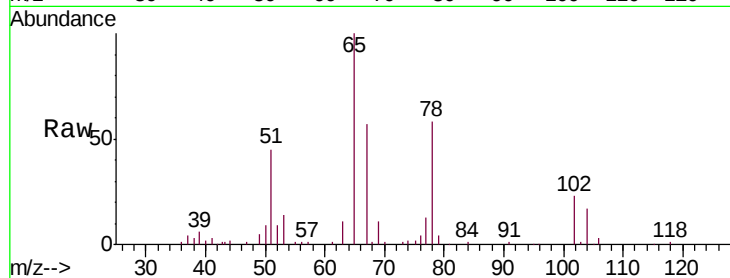
NB-08-100219

Tgt Ion: 78 Resp: 15848

Ion Ratio Lower Upper

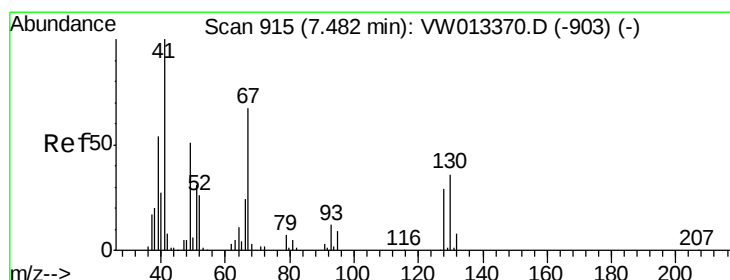
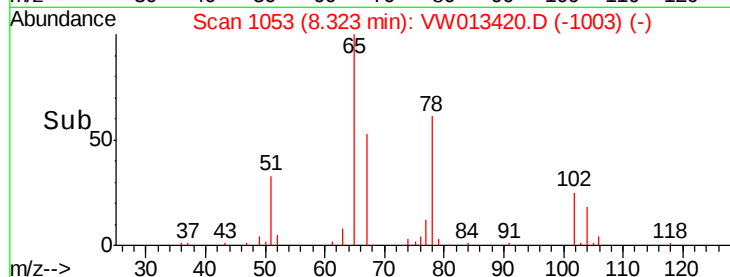
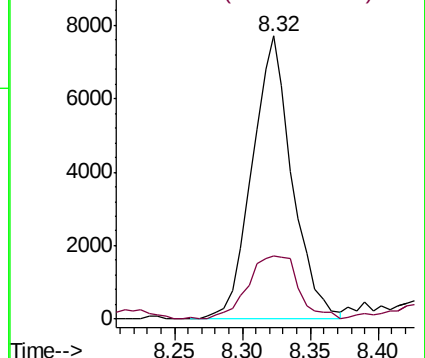
78 100

77 22.2 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW



#41

Methacrylonitrile

Concen: 2.144 ug/l

RT: 7.51 min Scan# 920

Delta R.T. 0.03 min

Lab File: VW013420.D

Acq: 03 Oct 2019 14:53

Tgt Ion: 41 Resp: 1331

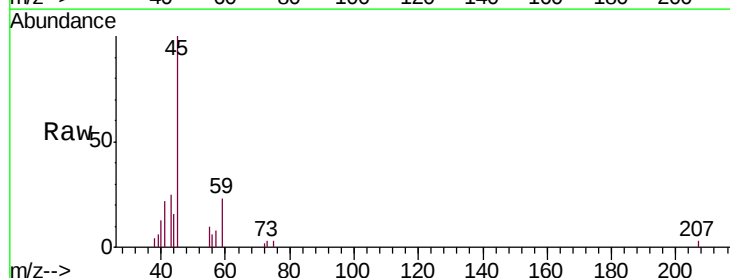
Ion Ratio Lower Upper

41 100

39 0.0 45.9 68.9#

67 0.0 54.5 81.7#

52 0.0 22.5 33.7#

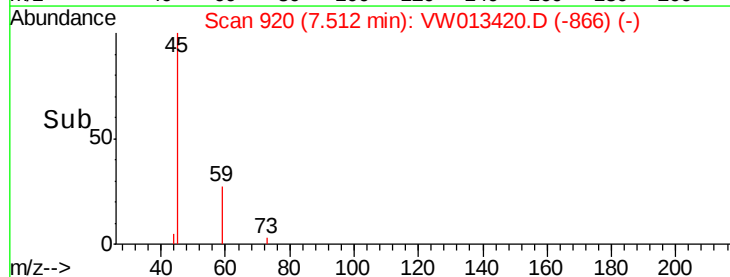
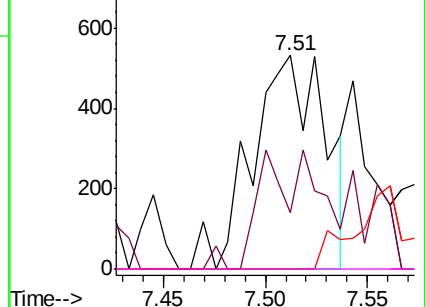


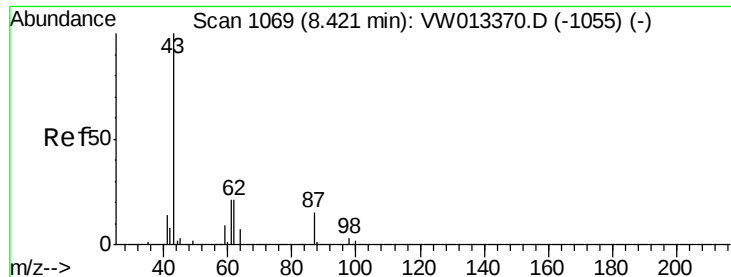
Abundance Ion 41.00 (40.70 to 41.70): VW

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





#43

Isopropyl Acetate

Concen: 67.095 ug/l

RT: 8.41 min Scan# 1068

Delta R.T. -0.01 min

Lab File: VW013420.D

Acq: 03 Oct 2019 14:53

Instrument :

MSVOA_W

ClientSampleId :

NB-08-100219

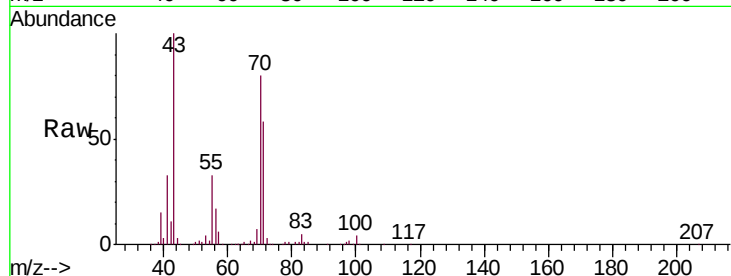
Tgt Ion: 43 Resp: 130006

Ion Ratio Lower Upper

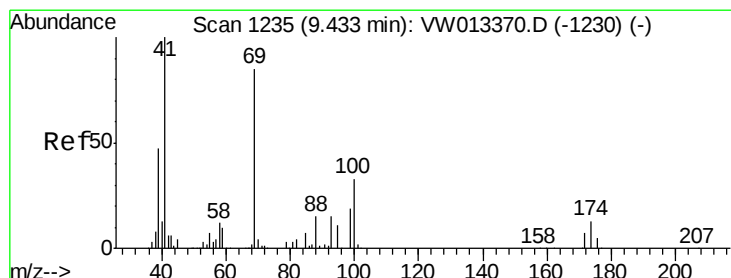
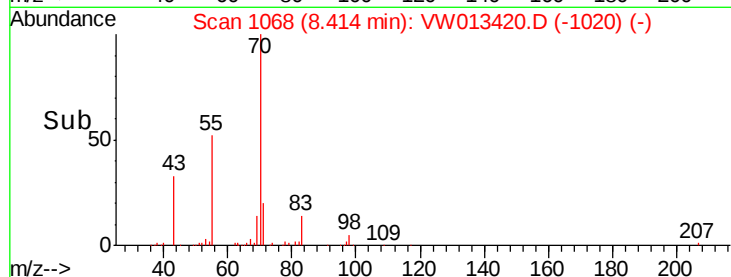
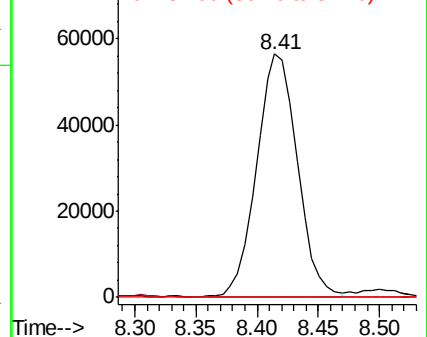
43 100

61 0.1 25.5 38.3#

87 0.0 11.0 16.4#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#48

Methyl methacrylate

Concen: 7.210 ug/l

RT: 9.52 min Scan# 1250

Delta R.T. 0.09 min

Lab File: VW013420.D

Acq: 03 Oct 2019 14:53

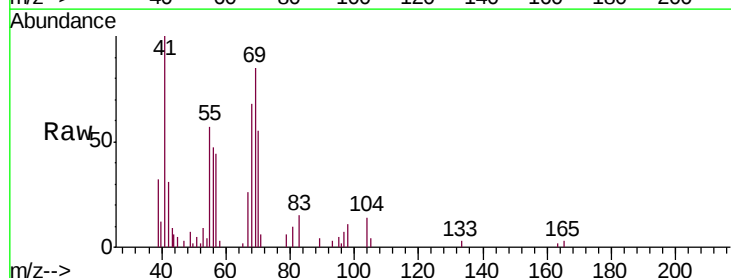
Tgt Ion: 41 Resp: 6713

Ion Ratio Lower Upper

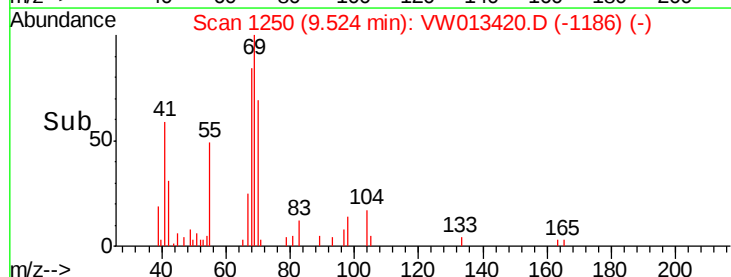
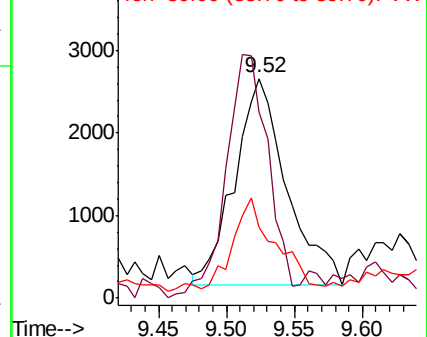
41 100

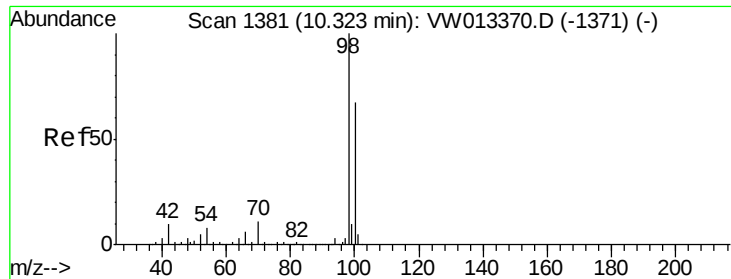
69 95.9 69.7 104.5

39 34.9 41.1 61.7#



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW

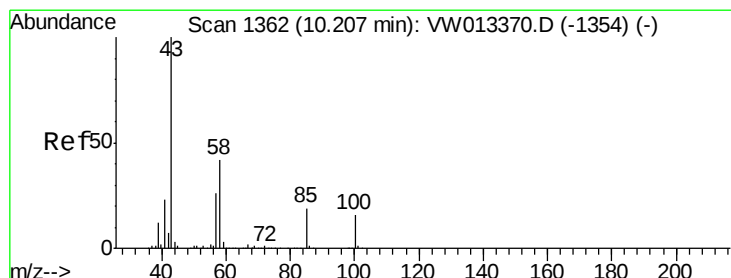
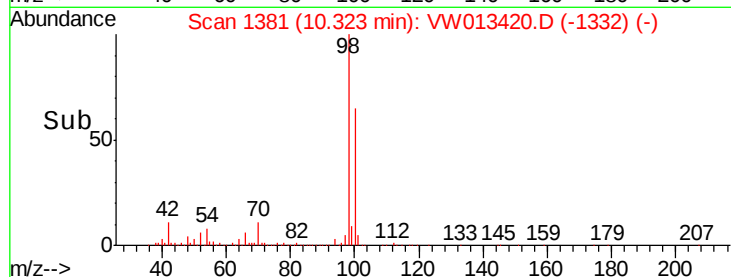
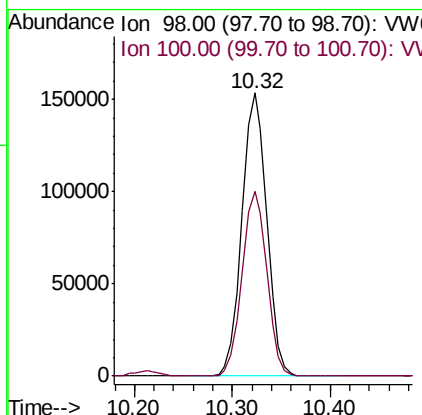
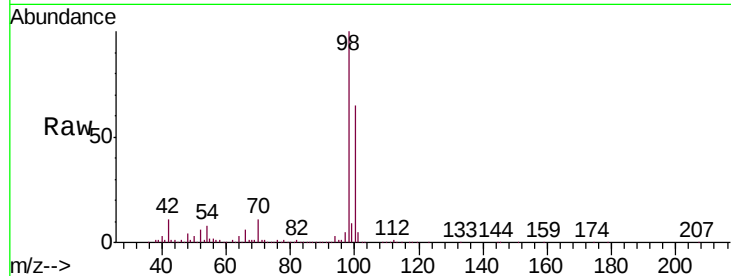




#50
Toluene-d8
Concen: 49.359 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013420.D
Acq: 03 Oct 2019 14:53

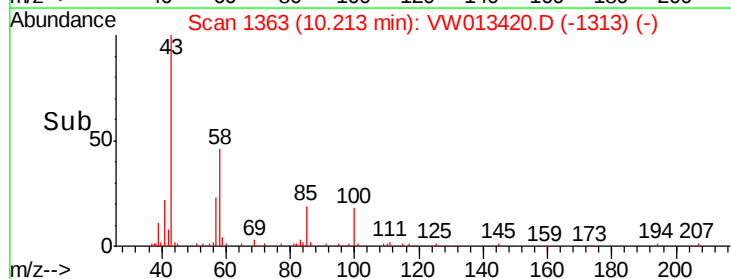
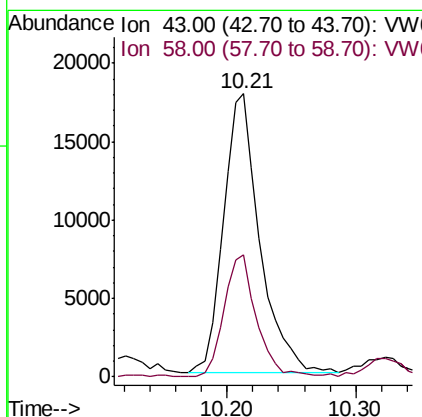
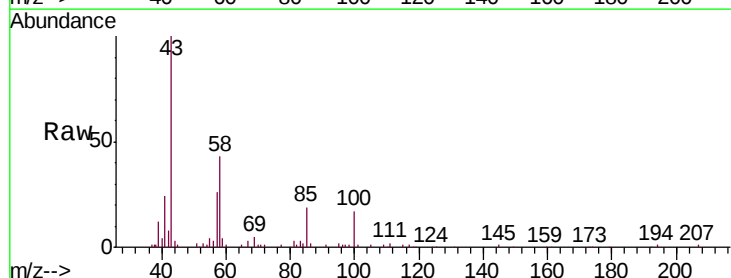
Instrument :
MSVOA_W
ClientSampleId :
NB-08-100219

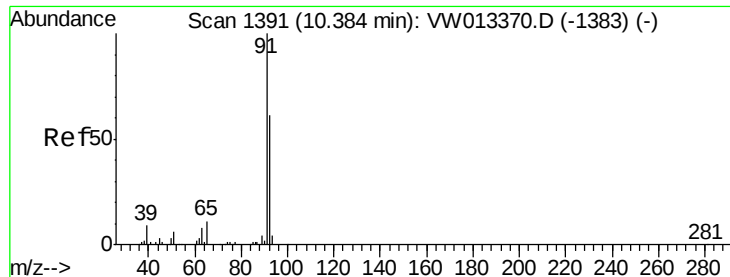
Tgt Ion: 98 Resp: 269935
Ion Ratio Lower Upper
98 100
100 65.2 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 34.450 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.01 min
Lab File: VW013420.D
Acq: 03 Oct 2019 14:53

Tgt Ion: 43 Resp: 35071
Ion Ratio Lower Upper
43 100
58 39.1 31.7 47.5





#52

Toluene

Concen: 359.402 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013420.D

Acq: 03 Oct 2019 14:53

Instrument :

MSVOA_W

ClientSampleId :

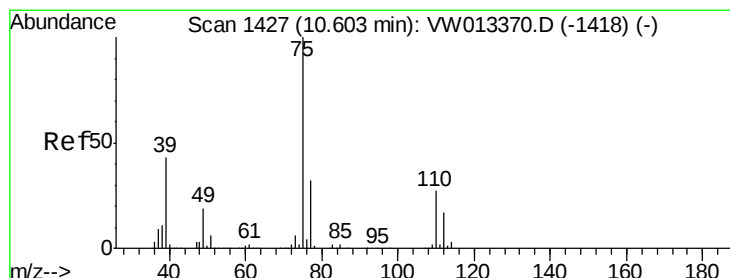
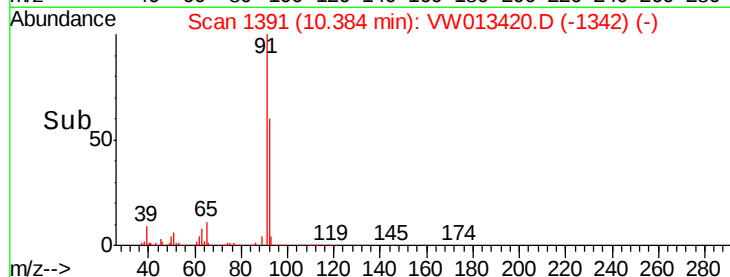
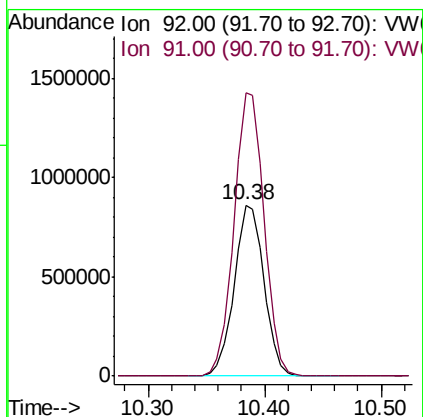
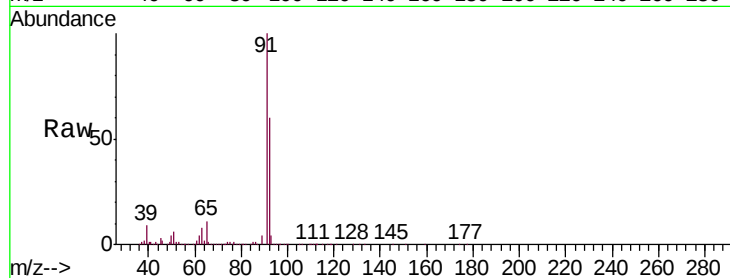
NB-08-100219

Tgt Ion: 92 Resp: 1530746

Ion Ratio Lower Upper

92 100

91 167.9 135.7 203.5



#53

t-1,3-Dichloropropene

Concen: 8.262 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.22 min

Lab File: VW013420.D

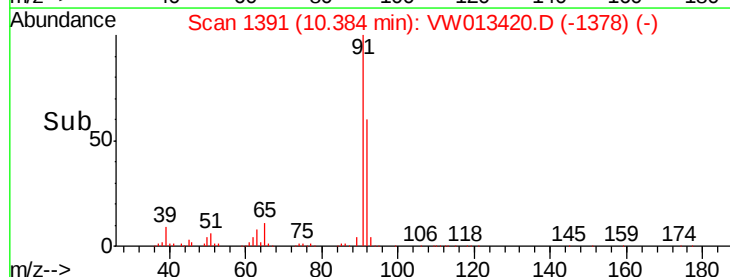
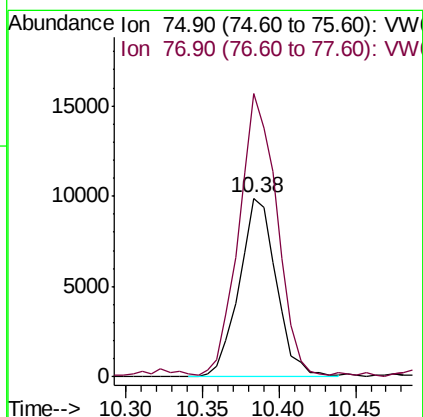
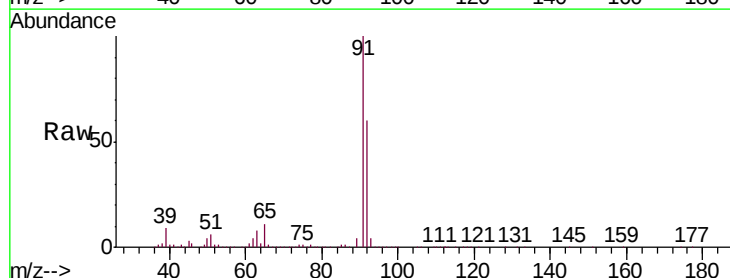
Acq: 03 Oct 2019 14:53

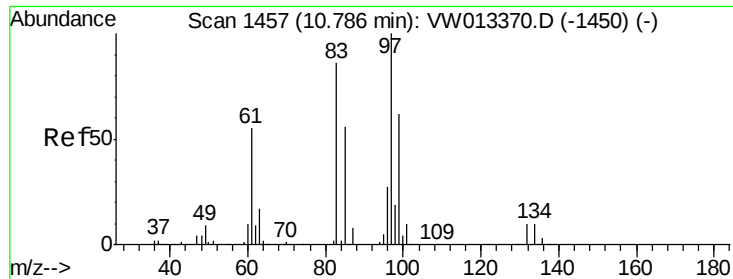
Tgt Ion: 75 Resp: 16707

Ion Ratio Lower Upper

75 100

77 156.3 25.5 38.3#





#55

1,1,2-Trichloroethane

Concen: 3.760 ug/l

RT: 10.76 min Scan# 1452

Delta R.T. -0.03 min

Lab File: VW013420.D

Acq: 03 Oct 2019 14:53

Instrument :

MSVOA_W

ClientSampleId :

NB-08-100219

Tgt Ion: 97 Resp: 4429

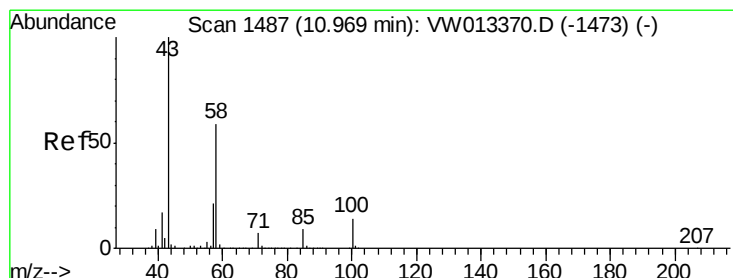
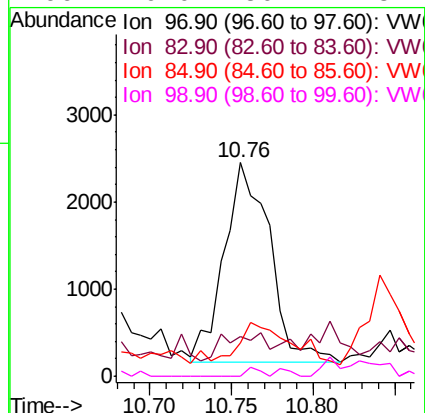
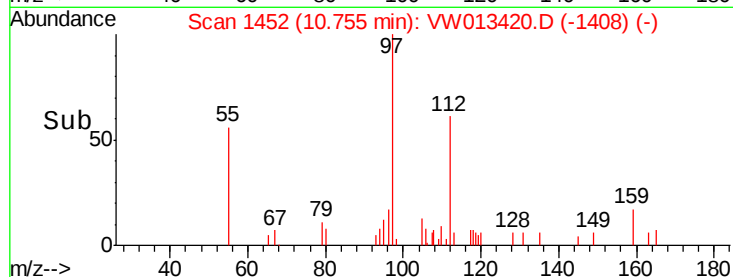
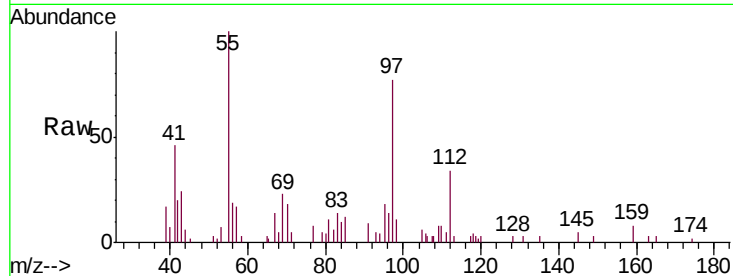
Ion Ratio Lower Upper

97 100

83 9.1 67.6 101.4#

85 10.5 41.9 62.9#

99 0.0 50.1 75.1#



#59

2-Hexanone

Concen: 2.039 ug/l

RT: 11.07 min Scan# 1504

Delta R.T. 0.10 min

Lab File: VW013420.D

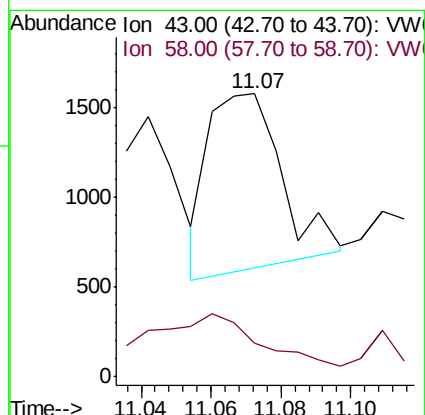
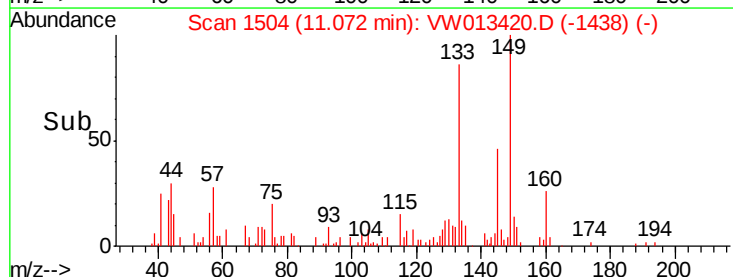
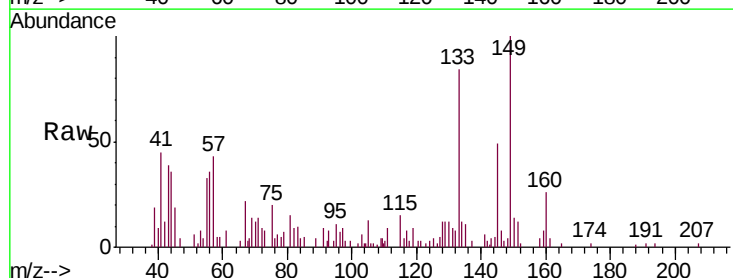
Acq: 03 Oct 2019 14:53

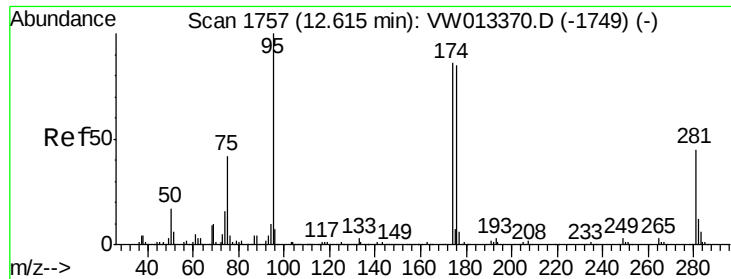
Tgt Ion: 43 Resp: 1439

Ion Ratio Lower Upper

43 100

58 70.5 28.1 84.2

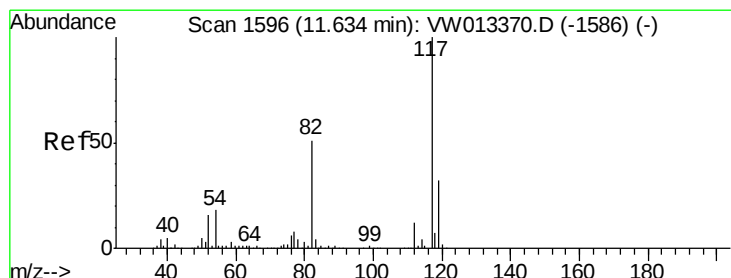
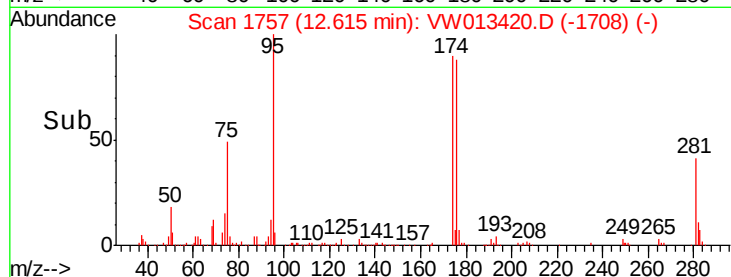
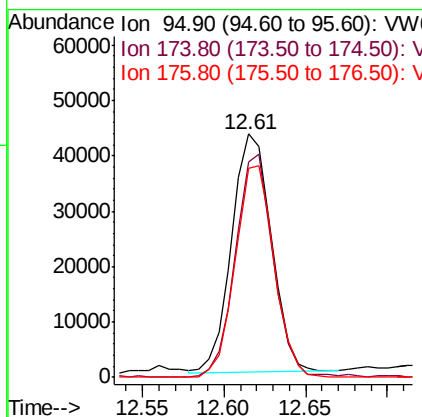
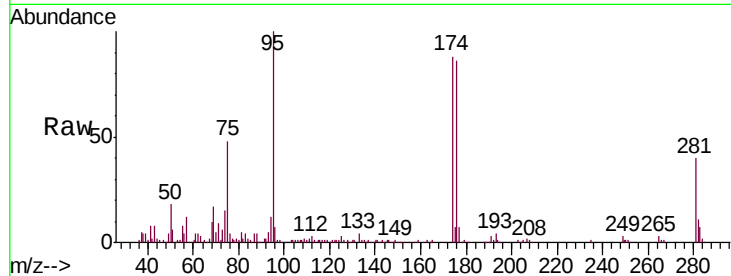




#62
4-Bromofluorobenzene
Concen: 39.971 ug/l
RT: 12.61 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013420.D
Acq: 03 Oct 2019 14:53

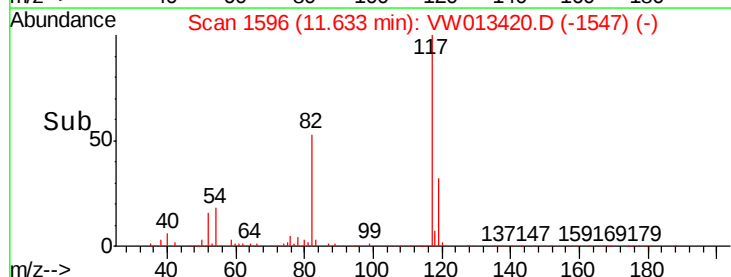
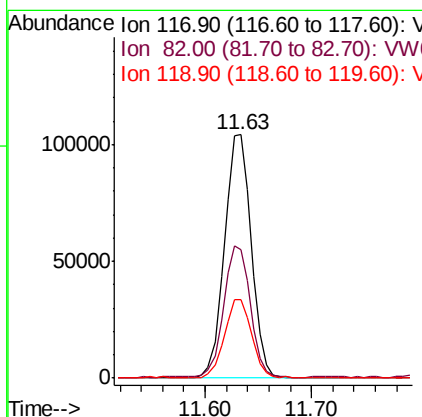
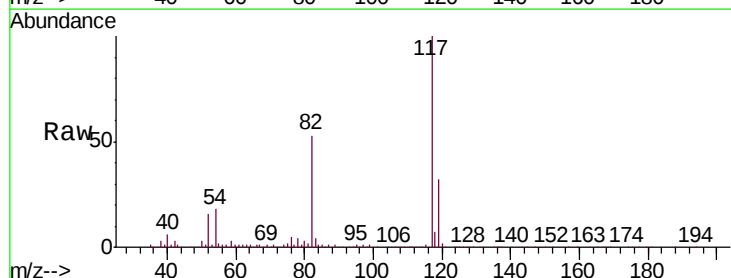
Instrument :
MSVOA_W
ClientSampleId :
NB-08-100219

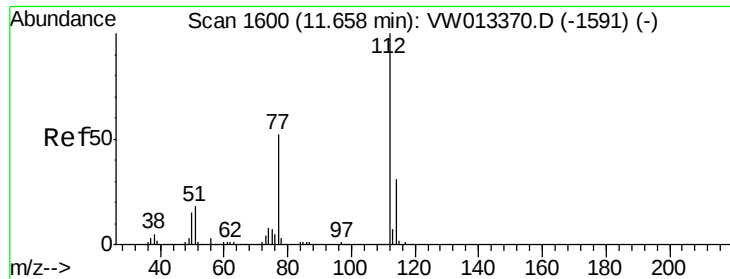
Tgt Ion: 95 Resp: 72996
Ion Ratio Lower Upper
95 100
174 89.1 0.0 178.4
176 86.8 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW013420.D
Acq: 03 Oct 2019 14:53

Tgt Ion: 117 Resp: 183221
Ion Ratio Lower Upper
117 100
82 52.4 45.9 68.9
119 32.1 26.2 39.2

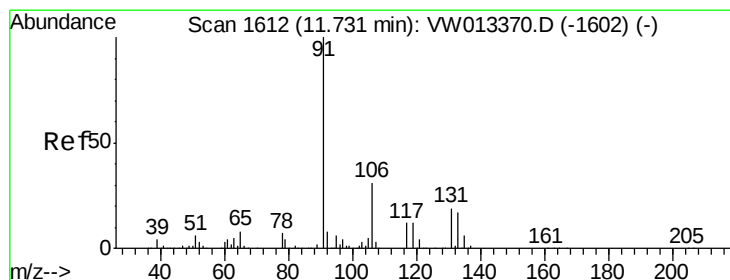
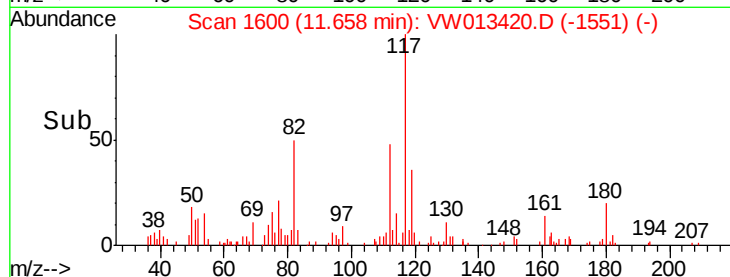
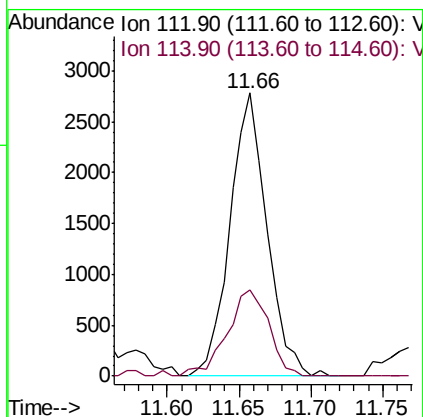
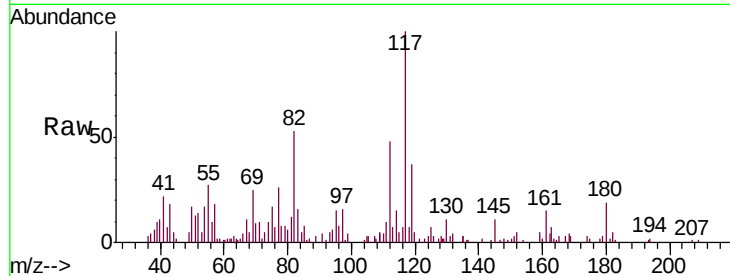




#65
Chlorobenzene
Concen: 1.328 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013420.D
Acq: 03 Oct 2019 14:53

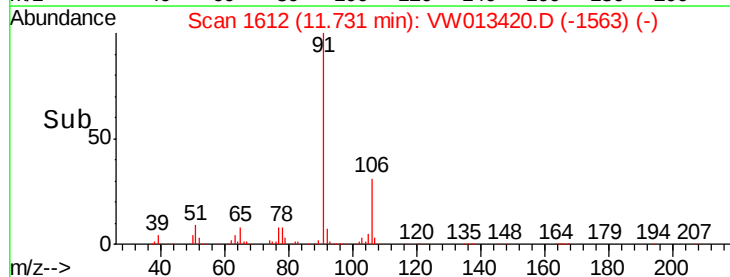
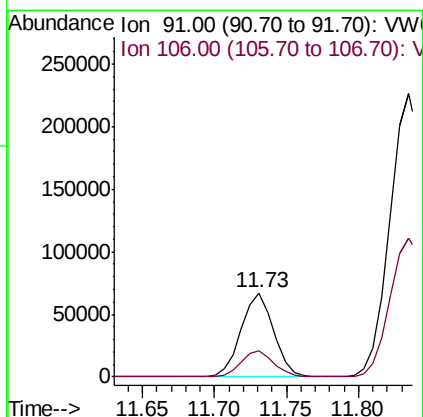
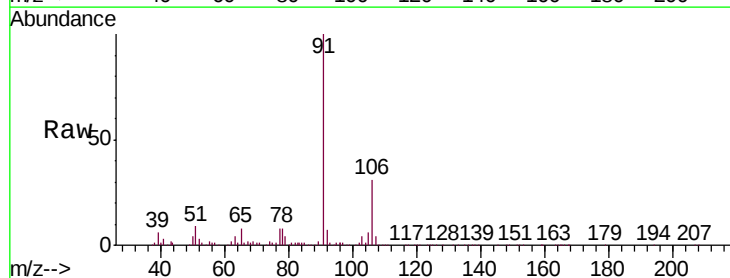
Instrument :
MSVOA_W
ClientSampleId :
NB-08-100219

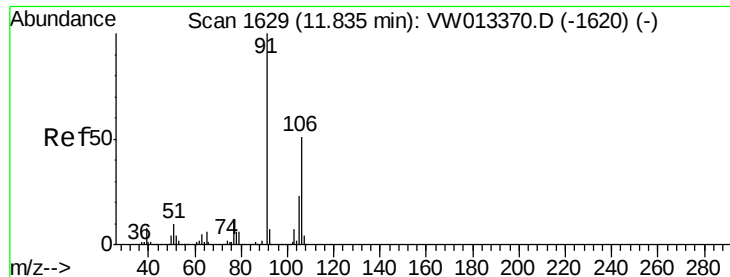
Tgt Ion: 112 Resp: 4984
Ion Ratio Lower Upper
112 100
114 30.3 26.5 39.7



#67
Ethyl Benzene
Concen: 15.441 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013420.D
Acq: 03 Oct 2019 14:53

Tgt Ion: 91 Resp: 103881
Ion Ratio Lower Upper
91 100
106 31.2 24.9 37.3

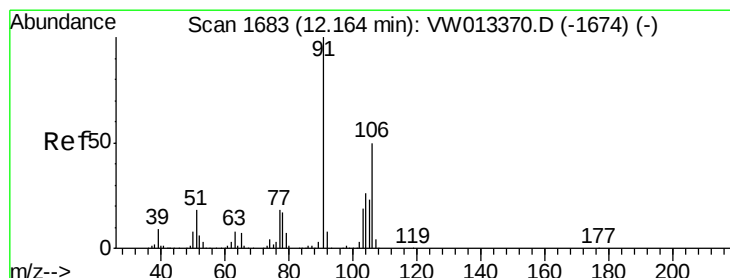
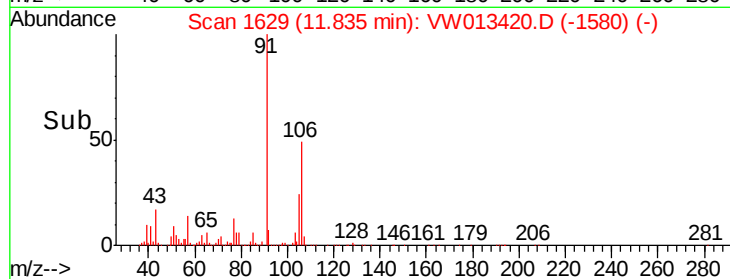
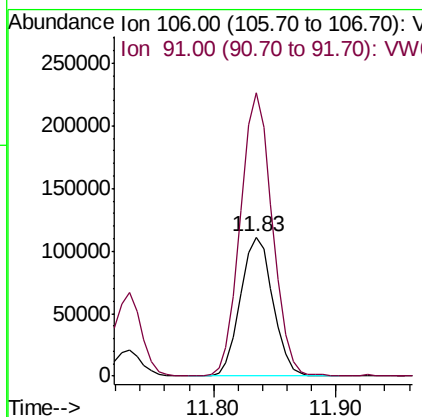
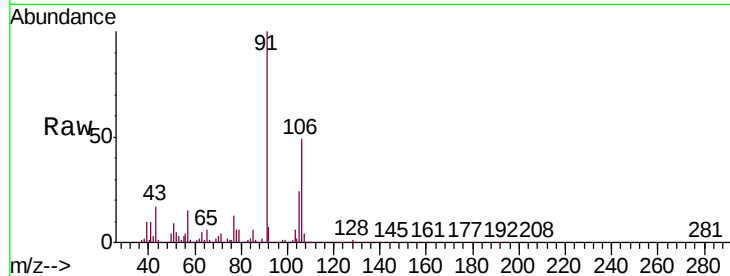




#68
m/p-Xylenes
Concen: 78.444 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW013420.D
Acq: 03 Oct 2019 14:53

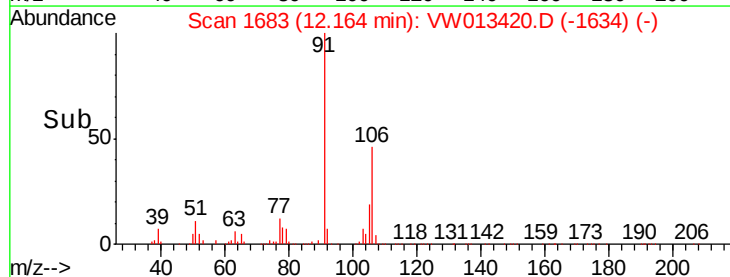
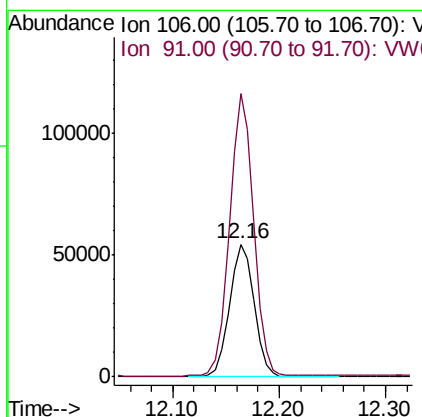
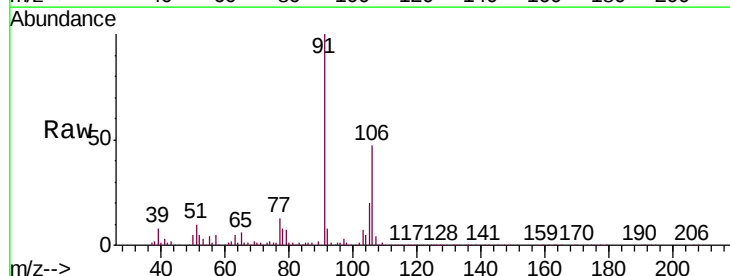
Instrument :
MSVOA_W
ClientSampled :
NB-08-100219

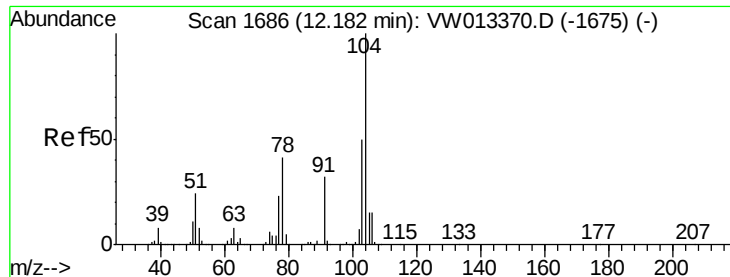
Tgt Ion:106 Resp: 203697
Ion Ratio Lower Upper
106 100
91 200.2 157.9 236.9



#69
o-Xylene
Concen: 36.634 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013420.D
Acq: 03 Oct 2019 14:53

Tgt Ion:106 Resp: 87954
Ion Ratio Lower Upper
106 100
91 210.3 106.5 319.5





#70

Styrene

Concen: 4.981 ug/l

RT: 12.18 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VW013420.D

Acq: 03 Oct 2019 14:53

Instrument :

MSVOA_W

ClientSampleId :

NB-08-100219

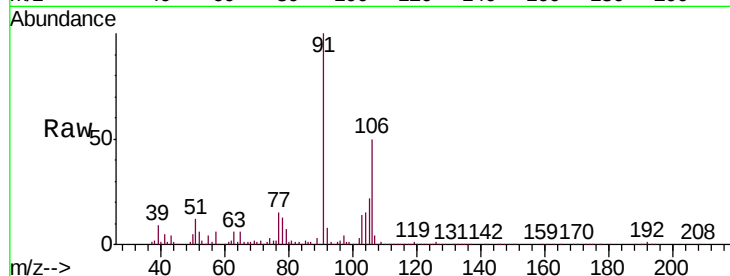
Tgt Ion:104 Resp: 20442

Ion Ratio Lower Upper

104 100

78 94.7 38.4 57.6#

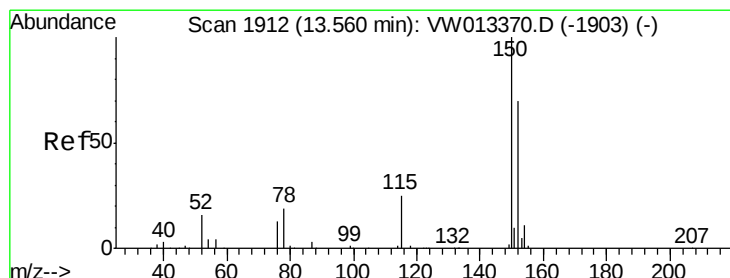
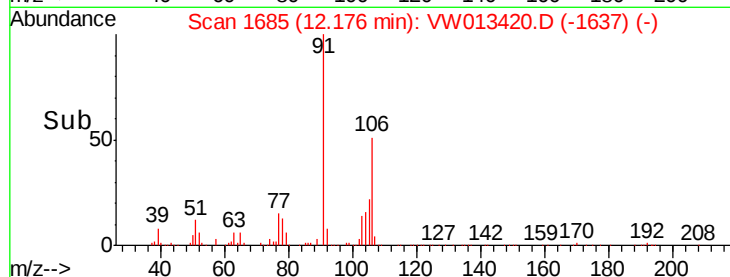
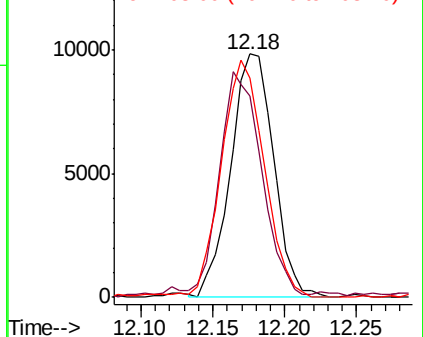
103 98.5 43.3 64.9#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013420.D

Acq: 03 Oct 2019 14:53

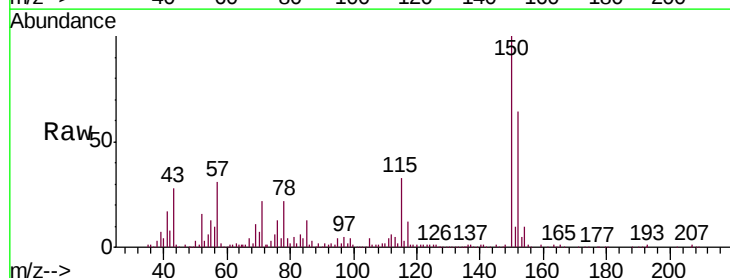
Tgt Ion:152 Resp: 57723

Ion Ratio Lower Upper

152 100

115 57.6 27.3 81.9

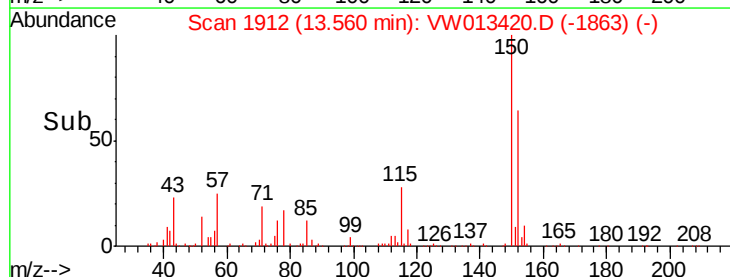
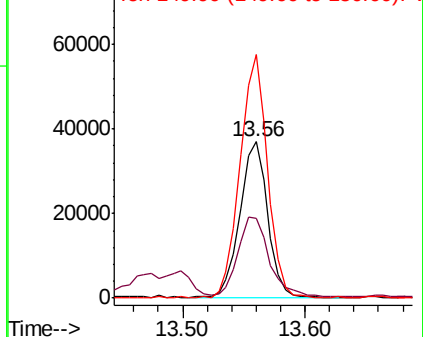
150 153.7 0.0 349.0

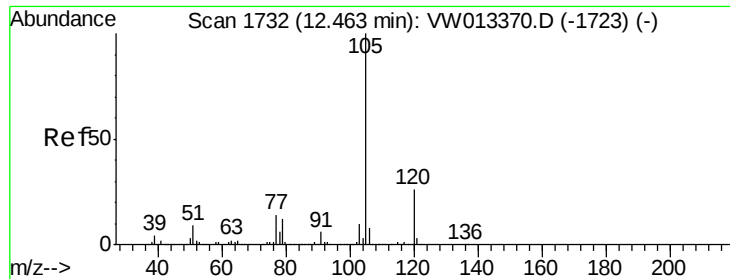


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.363 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013420.D

Acq: 03 Oct 2019 14:53

Instrument :

MSVOA_W

ClientSampleId :

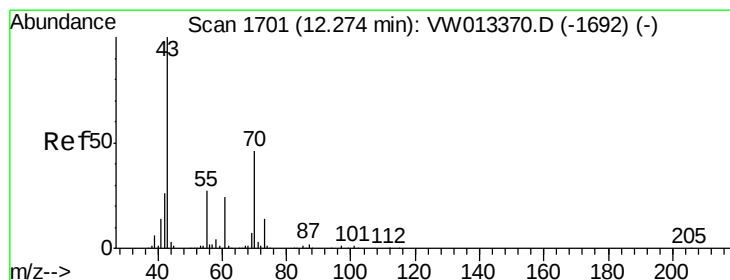
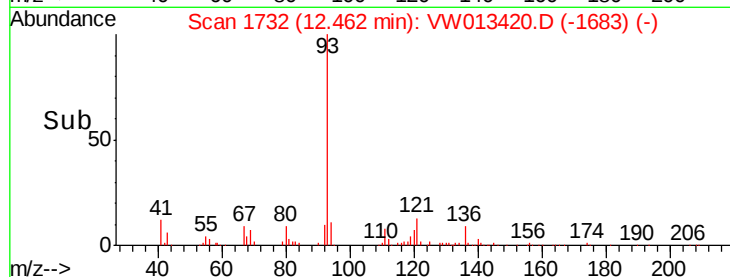
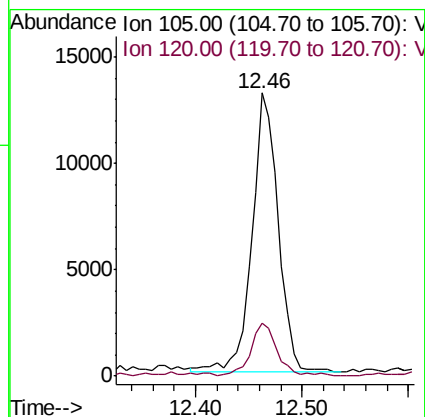
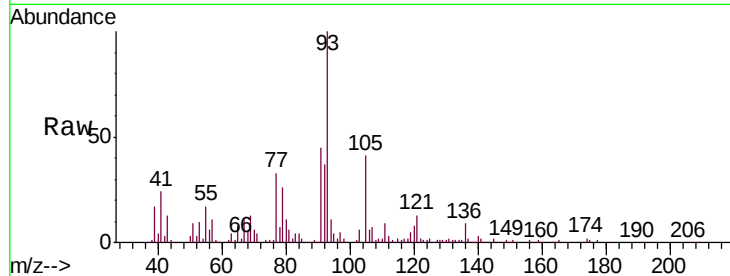
NB-08-100219

Tgt Ion:105 Resp: 22644

Ion Ratio Lower Upper

105 100

120 19.4 13.4 40.1



#74

N-ethyl acetate

Concen: 25.236 ug/l

RT: 12.25 min Scan# 1697

Delta R.T. -0.02 min

Lab File: VW013420.D

Acq: 03 Oct 2019 14:53

Tgt Ion: 43 Resp: 22677

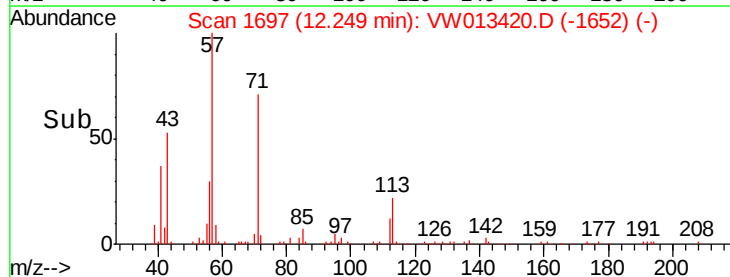
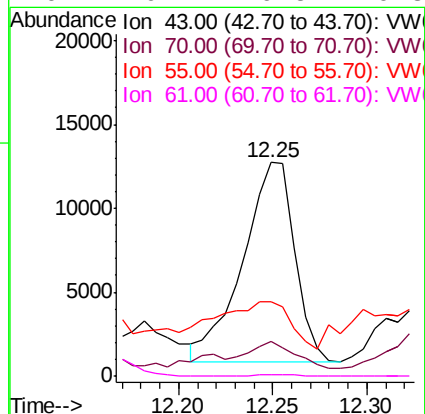
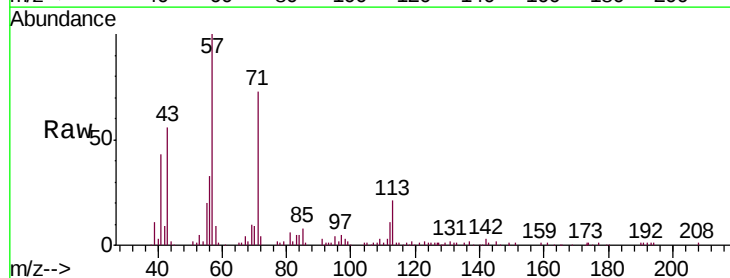
Ion Ratio Lower Upper

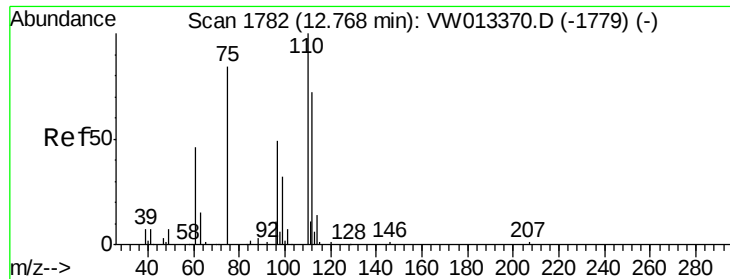
43 100

70 12.0 35.1 52.7#

55 35.0 19.9 29.9#

61 0.7 19.5 29.3#

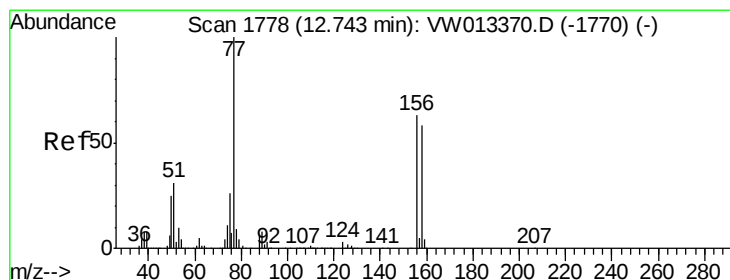
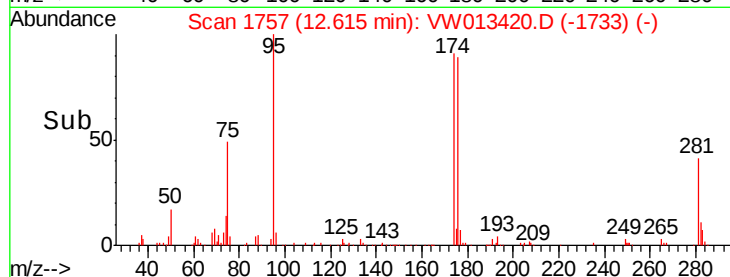
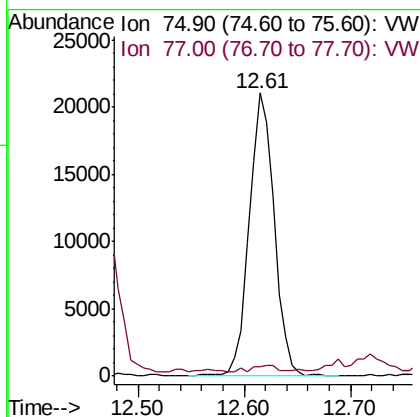
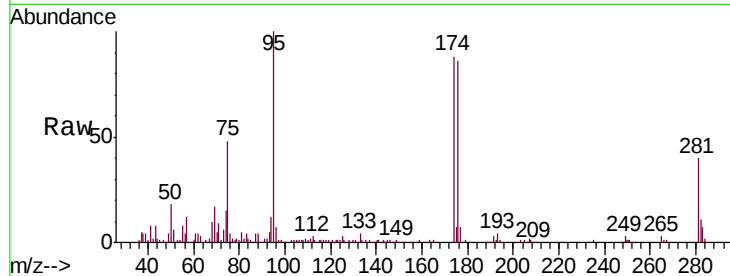




#76
 1,2,3-Trichloropropane
 Concen: 67.827 ug/l
 RT: 12.61 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW013420.D
 Acq: 03 Oct 2019 14:53

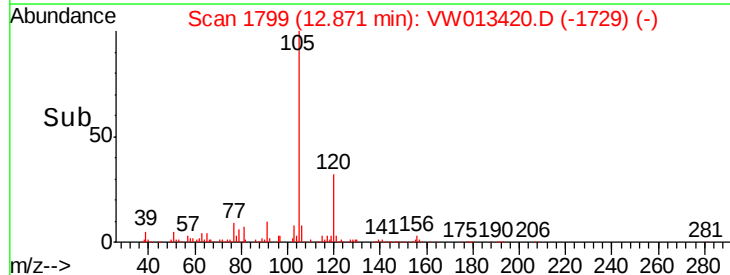
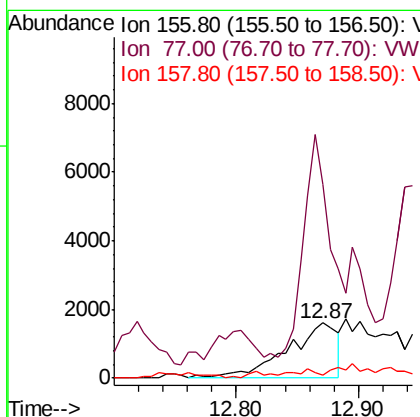
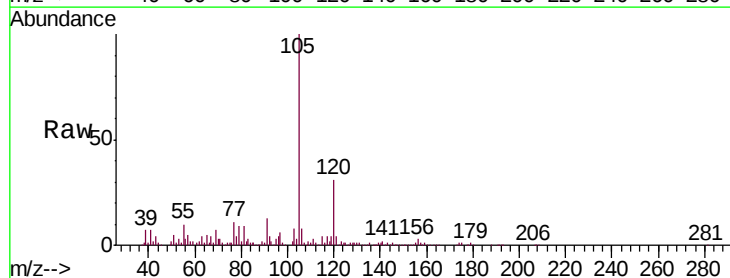
Instrument :
 MSVOA_W
 ClientSampleId :
 NB-08-100219

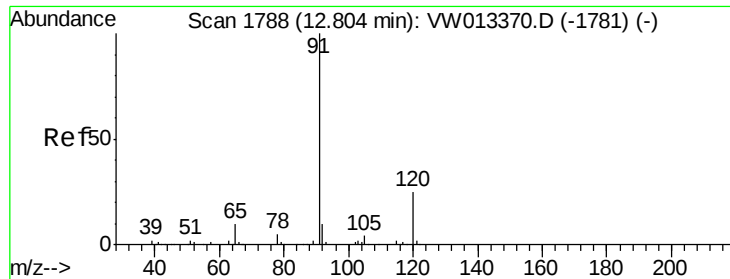
Tgt Ion: 75 Resp: 34797
 Ion Ratio Lower Upper
 75 100
 77 2.6 0.0 0.0#



#77
 Bromobenzene
 Concen: 4.550 ug/l
 RT: 12.87 min Scan# 1799
 Delta R.T. 0.13 min
 Lab File: VW013420.D
 Acq: 03 Oct 2019 14:53

Tgt Ion: 156 Resp: 4613
 Ion Ratio Lower Upper
 156 100
 77 226.6 85.7 257.1
 158 7.5 48.1 144.4#





#78

n-propylbenzene

Concen: 6.901 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013420.D

Acq: 03 Oct 2019 14:53

Instrument :

MSVOA_W

ClientSampleId :

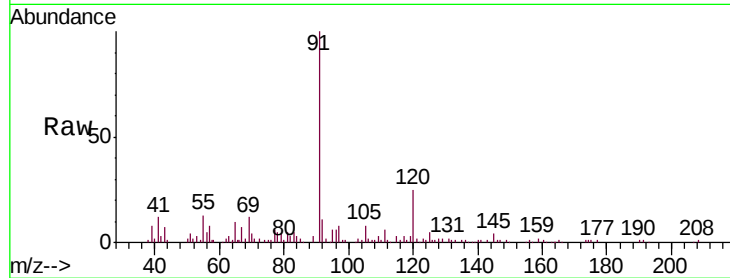
NB-08-100219

Tgt Ion: 91 Resp: 33515

Ion Ratio Lower Upper

91 100

120 25.0 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

12.80

25000

20000

15000

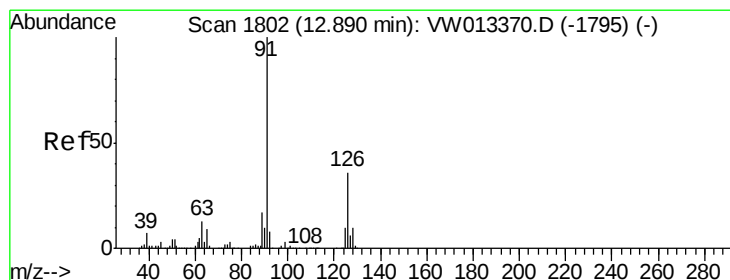
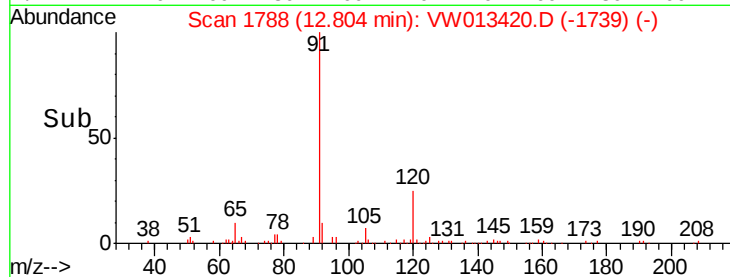
10000

5000

0

Time-->

12.75 12.80 12.85



#79

2-Chlorotoluene

Concen: 3.449 ug/l

RT: 12.86 min Scan# 1798

Delta R.T. -0.02 min

Lab File: VW013420.D

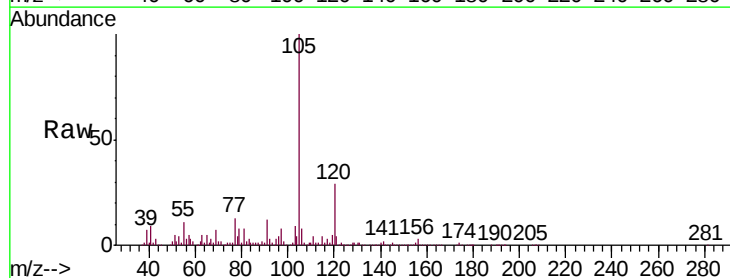
Acq: 03 Oct 2019 14:53

Tgt Ion: 91 Resp: 9305

Ion Ratio Lower Upper

91 100

126 0.0 17.2 51.5#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

12.86

12000

10000

8000

6000

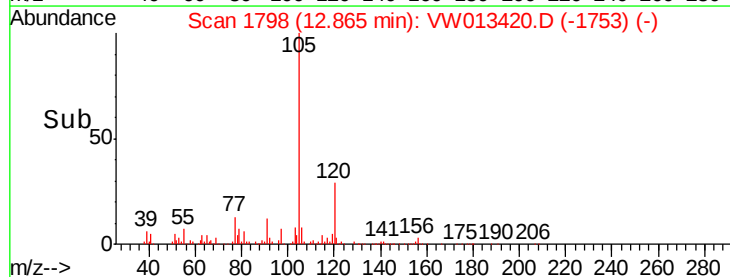
4000

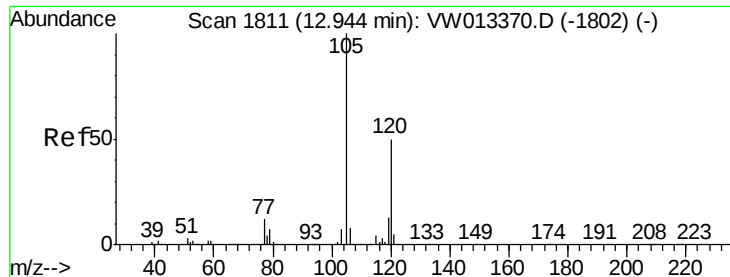
2000

0

Time-->

12.82 12.84 12.86 12.88

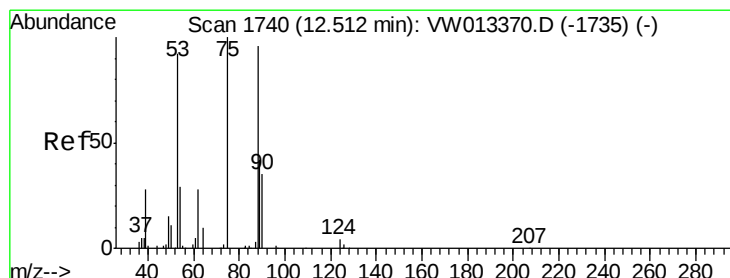
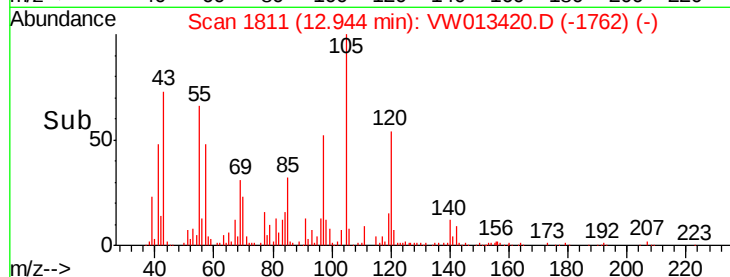
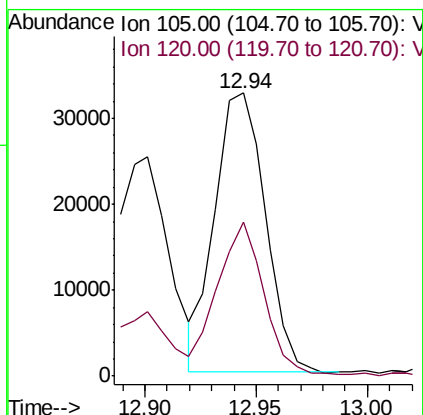
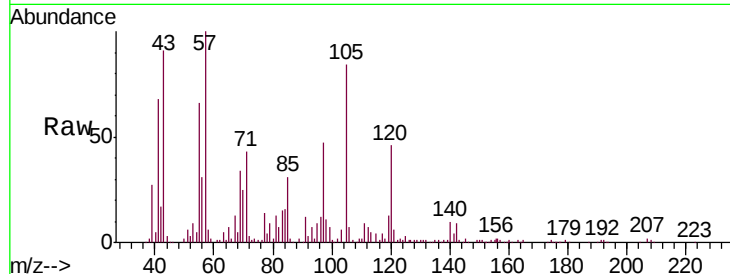




#80
 1,3,5-Trimethylbenzene
 Concen: 14.552 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW013420.D
 Acq: 03 Oct 2019 14:53

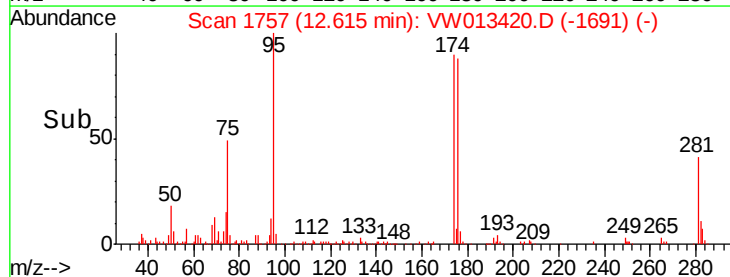
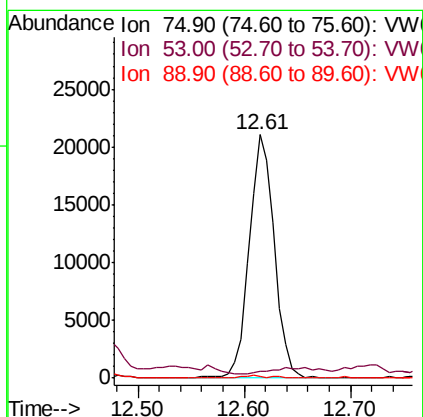
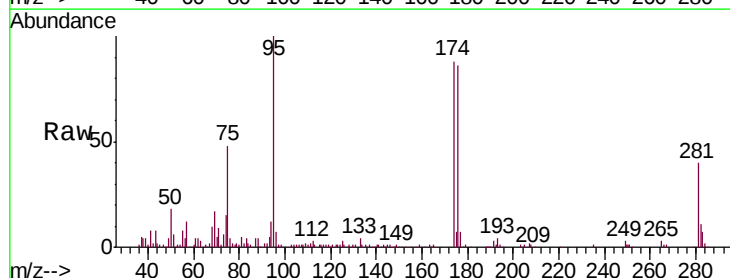
Instrument :
 MSVOA_W
 ClientSampleId :
 NB-08-100219

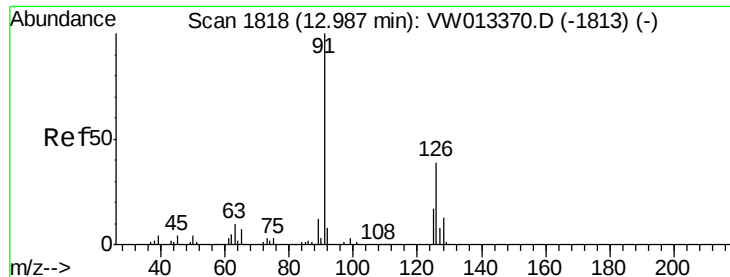
Tgt Ion:105 Resp: 51040
 Ion Ratio Lower Upper
 105 100
 120 50.1 24.9 74.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 136.318 ug/l
 RT: 12.61 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW013420.D
 Acq: 03 Oct 2019 14:53

Tgt Ion: 75 Resp: 34797
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.6 114.8#
 89 1.1 33.5 50.3#





#82

4-Chlorotoluene

Concen: 1.303 ug/l

RT: 13.02 min Scan# 1824

Delta R.T. 0.04 min

Lab File: VW013420.D

Acq: 03 Oct 2019 14:53

Instrument :

MSVOA_W

ClientSampleId :

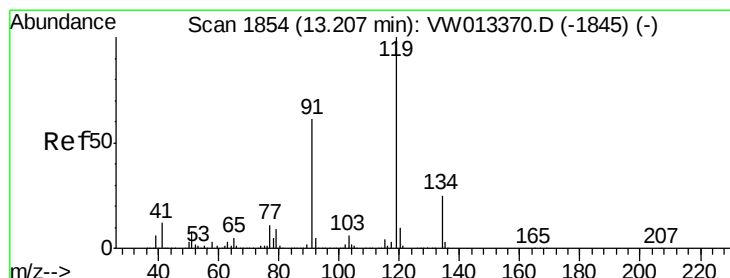
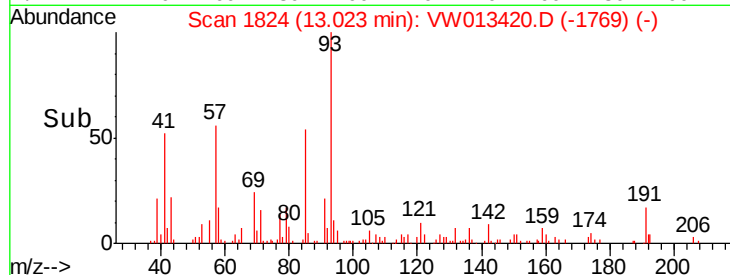
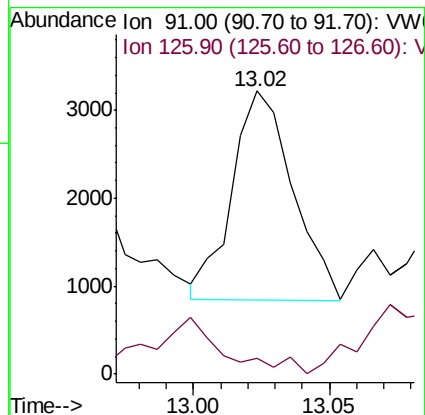
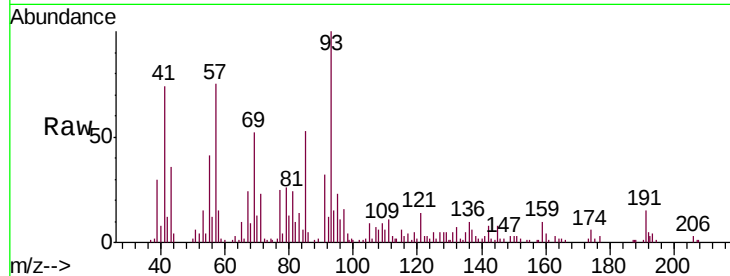
NB-08-100219

Tgt Ion: 91 Resp: 3683

Ion Ratio Lower Upper

91 100

126 0.0 17.3 51.7#



#83

tert-Butylbenzene

Concen: 6.997 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. 0.04 min

Lab File: VW013420.D

Acq: 03 Oct 2019 14:53

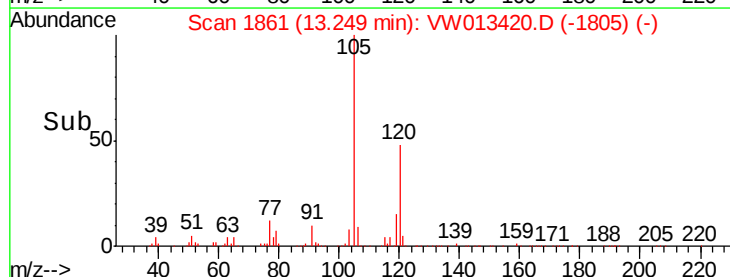
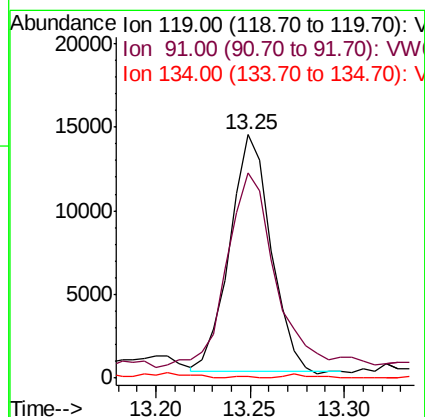
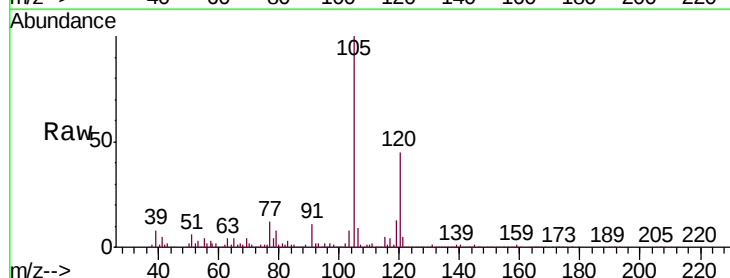
Tgt Ion: 119 Resp: 21435

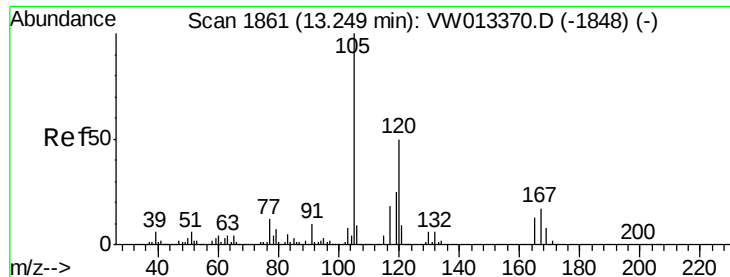
Ion Ratio Lower Upper

119 100

91 98.8 30.7 92.1#

134 0.0 12.6 37.6#

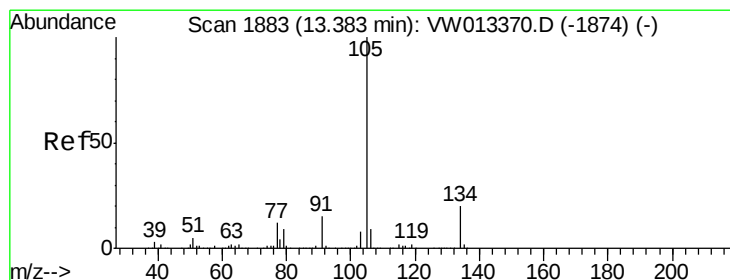
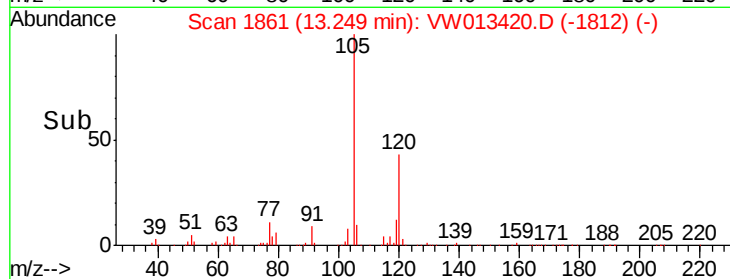
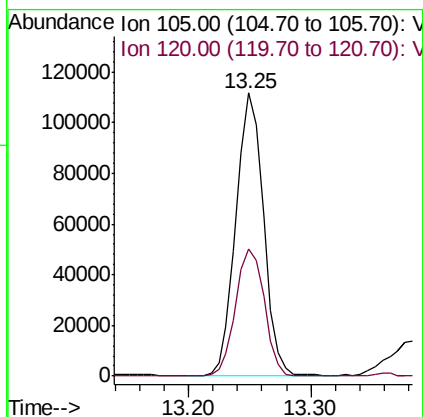
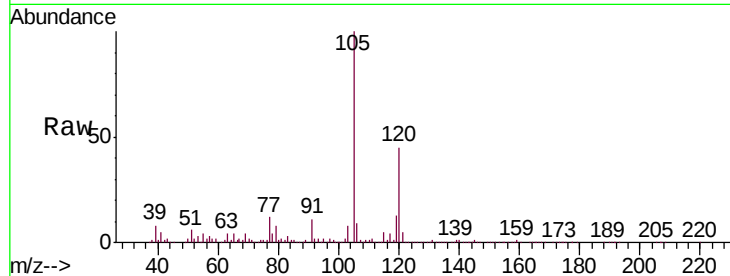




#84
 1,2,4-Trimethylbenzene
 Concen: 49.706 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013420.D
 Acq: 03 Oct 2019 14:53

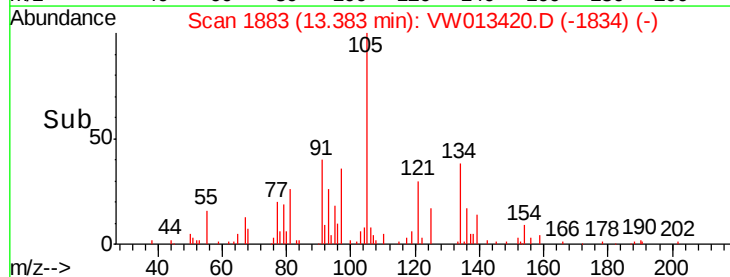
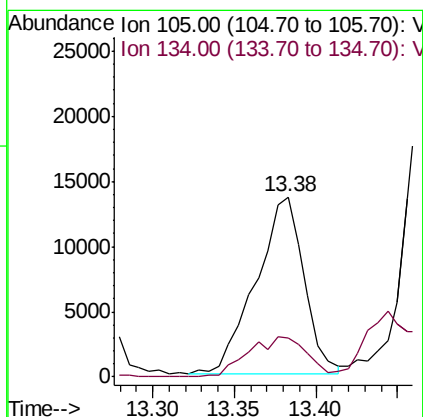
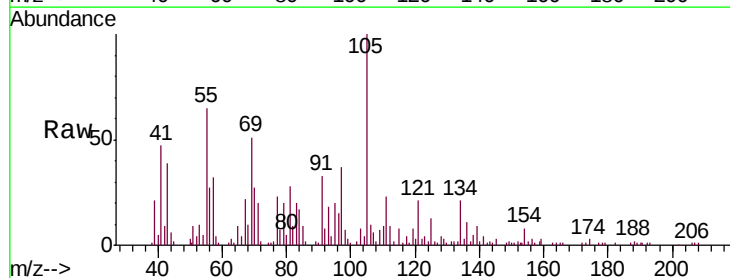
Instrument :
 MSVOA_W
 ClientSampleId :
 NB-08-100219

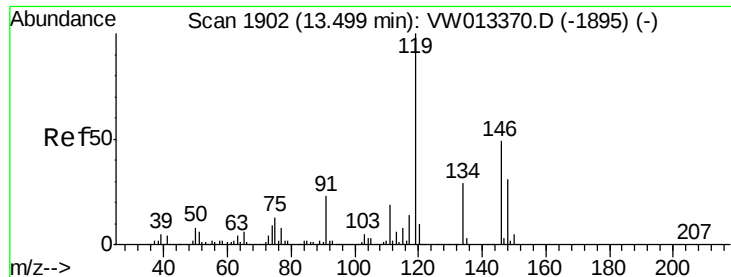
Tgt Ion:105 Resp: 173315
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.4 70.3



#85
 sec-Butylbenzene
 Concen: 6.543 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013420.D
 Acq: 03 Oct 2019 14:53

Tgt Ion:105 Resp: 27635
 Ion Ratio Lower Upper
 105 100
 134 27.5 10.3 30.8





#86

p-Isopropyltoluene

Concen: 38.834 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013420.D

Acq: 03 Oct 2019 14:53

Instrument :

MSVOA_W

ClientSampleId :

NB-08-100219

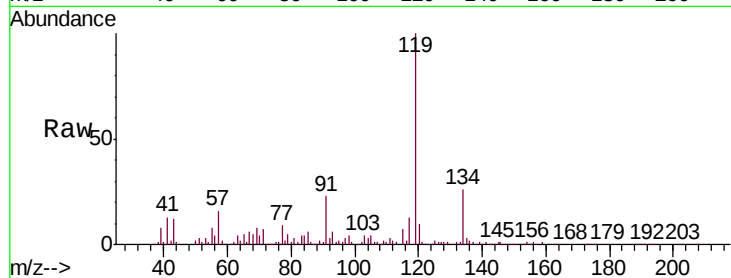
Tgt Ion: 119 Resp: 152015

Ion Ratio Lower Upper

119 100

134 24.7 13.3 39.8

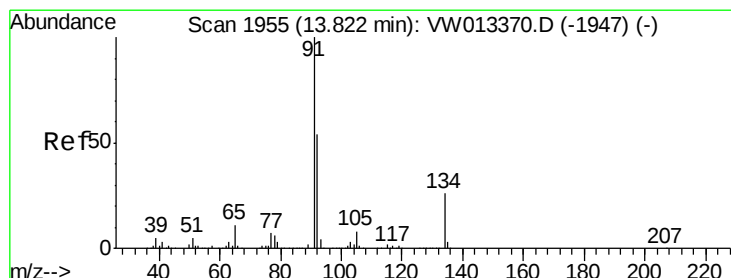
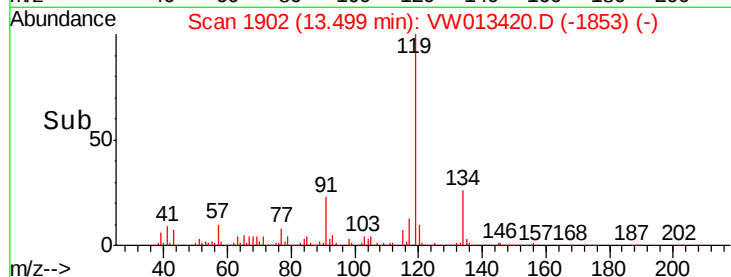
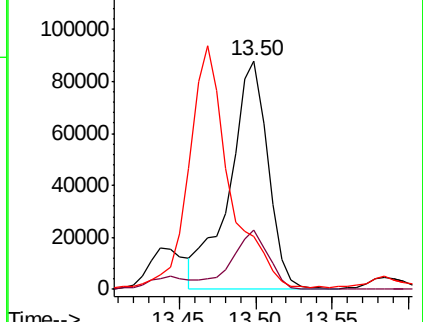
91 0.0 10.8 32.4#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#89

n-Butylbenzene

Concen: 8.044 ug/l

RT: 13.71 min Scan# 1937

Delta R.T. -0.11 min

Lab File: VW013420.D

Acq: 03 Oct 2019 14:53

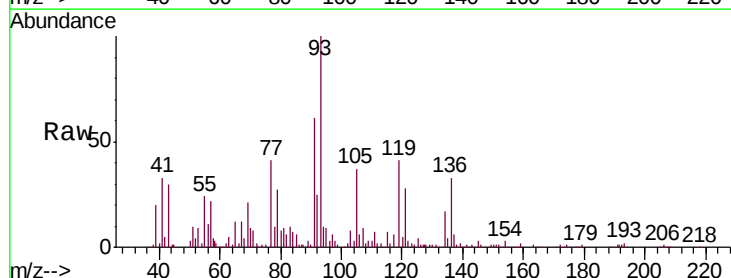
Tgt Ion: 91 Resp: 28388

Ion Ratio Lower Upper

91 100

92 41.2 27.6 82.8

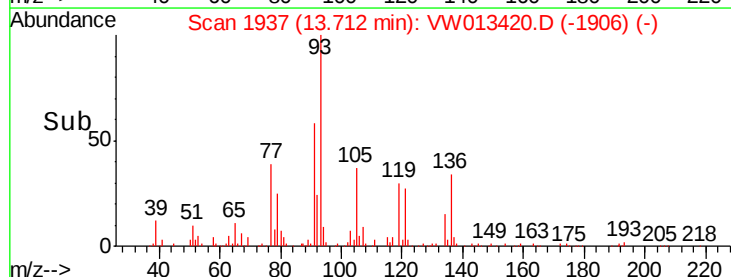
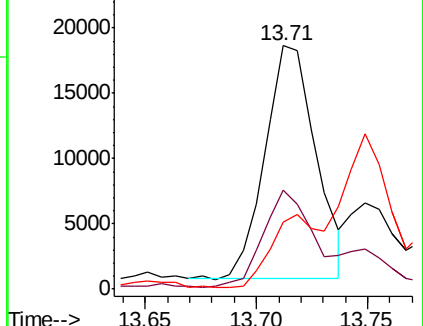
134 30.7 13.7 41.1

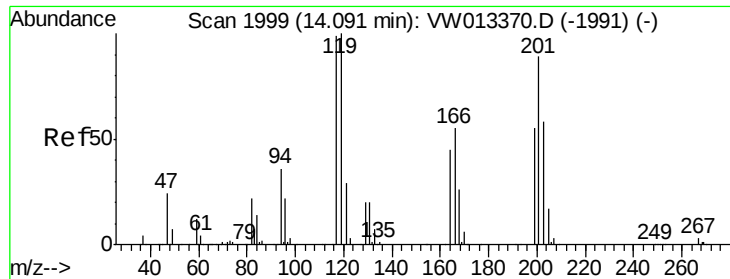


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V

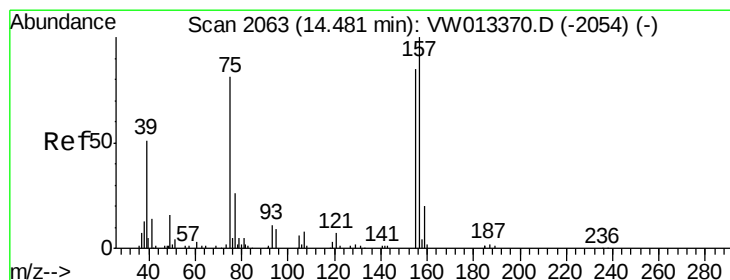
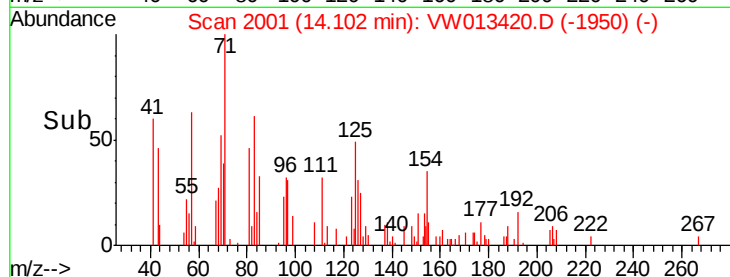
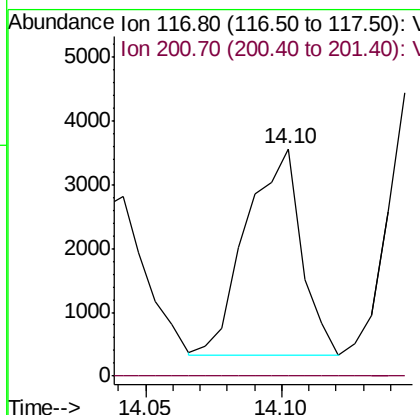
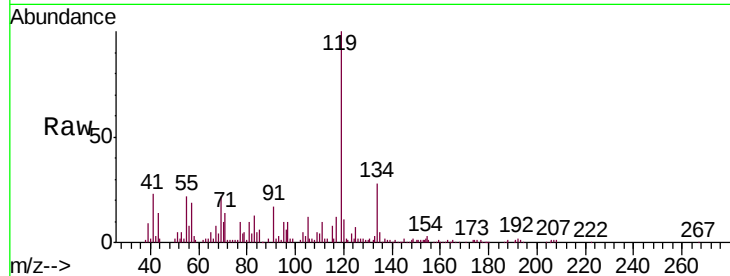




#90
Hexachloroethane
Concen: 6.989 ug/l
RT: 14.10 min Scan# 2001
Delta R.T. 0.01 min
Lab File: VW013420.D
Acq: 03 Oct 2019 14:53

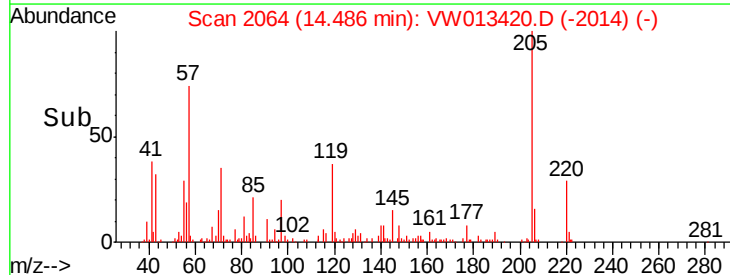
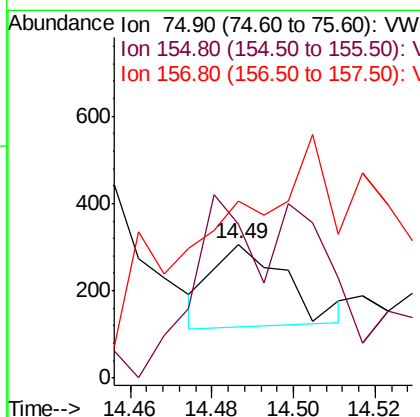
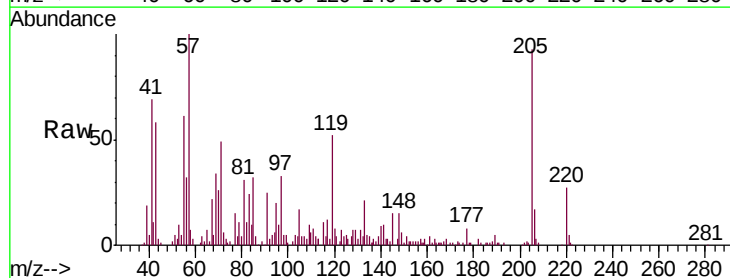
Instrument :
MSVOA_W
ClientSampled :
NB-08-100219

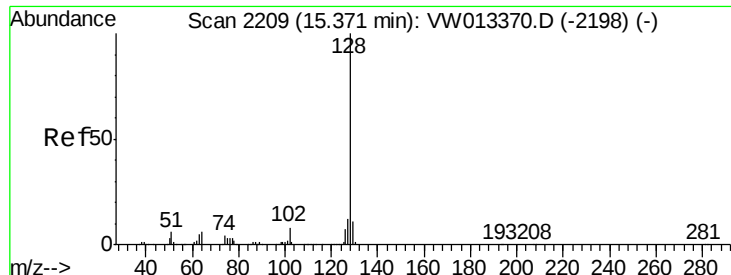
Tgt Ion: 117 Resp: 4520
Ion Ratio Lower Upper
117 100
201 0.0 44.5 133.5#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.217 ug/l
RT: 14.49 min Scan# 2064
Delta R.T. 0.01 min
Lab File: VW013420.D
Acq: 03 Oct 2019 14:53

Tgt Ion: 75 Resp: 237
Ion Ratio Lower Upper
75 100
155 192.4 46.1 138.3#
157 0.0 60.4 181.2#

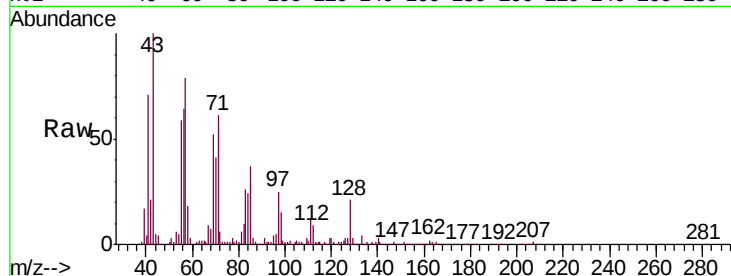




#95
Naphthalene
Concen: 11.520 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW013420.D
Acq: 03 Oct 2019 14:53

Instrument :
MSVOA_W
ClientSampleId :
NB-08-100219

Tgt Ion	Ratio	Lower	Upper
128	100		
127	21.5	10.6	15.8
129	11.4	8.7	13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

