

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082219\
 Data File : VN057456.D
 Acq On : 23 Aug 2019 1:31
 Operator : JC/SP
 Sample : K4086-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 NB-08-082019

Quant Time: Aug 23 05:17:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 05:07:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	441778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	780762	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	651255	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	164262	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	368515	47.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.84%	
35) Dibromofluoromethane	7.58	113	247660	46.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.92%	
50) Toluene-d8	10.09	98	986999	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
62) 4-Bromofluorobenzene	12.40	95	278569	41.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.44%	

Target Compounds

					Qvalue	
8) Diethyl Ether	3.38	74	636	Below Cal	100	
9) 1,1,2-Trichlorotrifluoroet	3.74	101	63	Below Cal	#	1
11) Tert butyl alcohol	4.79	59	464	0.481	ug/l #	64
13) Acrolein	3.59	56	216	0.254	ug/l #	13
16) Acetone	3.80	43	20087	5.628	ug/l	96
18) Methyl Acetate	4.31	43	24712	2.298	ug/l #	87
20) Methylene Chloride	4.52	84	29153	5.443	ug/l	94
25) 2-Butanone	6.83	43	2427	0.626	ug/l #	86
30) Chloroform	7.36	83	2213	0.282	ug/l #	52
31) Cyclohexane	7.65	56	12247	1.122	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	44154	5.535	ug/l #	51
38) Carbon Tetrachloride	7.65	117	48100	6.069	ug/l #	16
43) Isopropyl Acetate	8.16	43	118443	8.194	ug/l	97
46) Dibromomethane	9.21	93	62	Below Cal	#	10
48) Methyl methacrylate	9.18	41	5967	0.868	ug/l #	17
49) 1,4-Dioxane	9.25	88	115	1.294	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	6860	0.852	ug/l #	84
54) cis-1,3-Dichloropropene	9.90	75	47728	4.600	ug/l #	61
57) 1,3-Dichloropropane	10.76	76	6711	0.691	ug/l #	43
58) 2-Chloroethyl Vinyl ether	9.70	63	30	17.076	ug/l #	52
59) 2-Hexanone	10.76	43	106616	19.296	ug/l #	54
71) Bromoform	12.39	173	729	0.214	ug/l #	1
73) Isopropylbenzene	12.25	105	442	Below Cal	#	50
74) N-amyl acetate	12.04	43	5953	Below Cal	#	53
75) 1,1,2,2-Tetrachloroethane	12.51	83	185	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	160812	43.764	ug/l #	100
78) n-propylbenzene	12.59	91	562	Below Cal	#	55
79) 2-Chlorotoluene	12.69	91	669	Below Cal	#	44
80) 1,3,5-Trimethylbenzene	12.73	105	2607	Below Cal		96
81) trans-1,4-Dichloro-2-buten	12.40	75	160812	112.361	ug/l #	8
82) 4-Chlorotoluene	12.77	91	253	Below Cal	#	45
83) tert-Butylbenzene	13.00	119	66	Below Cal	#	69
85) sec-Butylbenzene	13.17	105	365	Below Cal	#	58
90) Hexachloroethane	13.83	117	32	Below Cal	#	17

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QLast Update : Fri Aug 23 05:07:29 2019
Response via : Initial Calibration

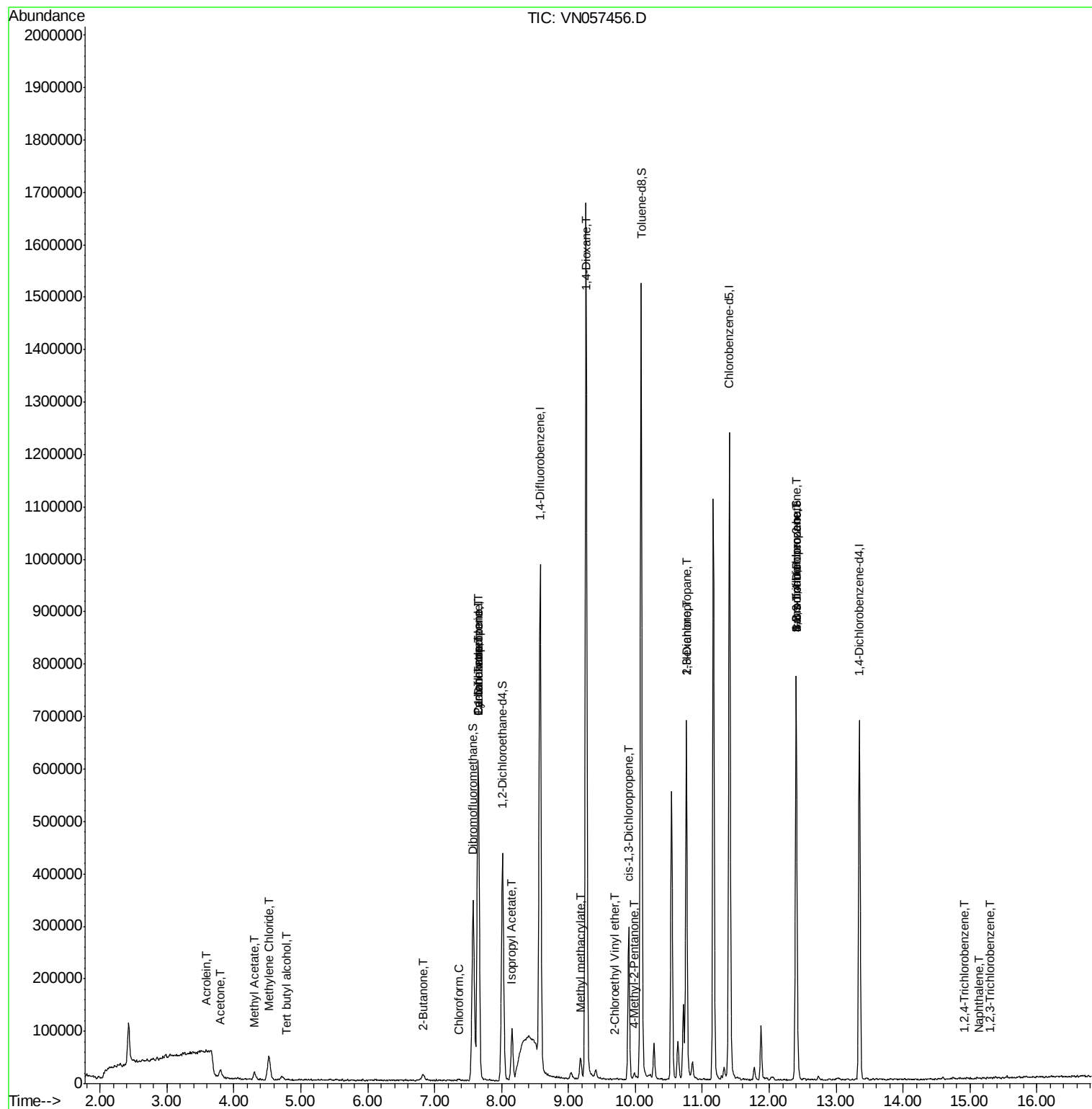
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) 1,2-Dibromo-3-Chloropropan	14.27	75	115	Below Cal	#	11
93) 1,2,4-Trichlorobenzene	14.92	180	202	5.460	ug/l	78
95) Naphthalene	15.13	128	1438	4.540	ug/l #	80
96) 1,2,3-Trichlorobenzene	15.29	180	301	5.247	ug/l #	40

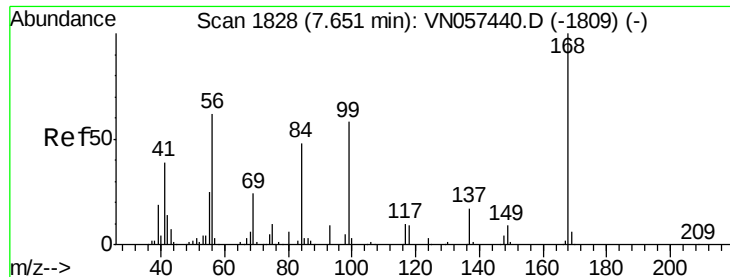
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN082219\
Data File : VN057456.D
Acq On : 23 Aug 2019 1:31
Operator : JC/SP
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN057456.D

Acq: 23 Aug 2019 1:31

Instrument :

MSVOA_N

ClientSampleId :

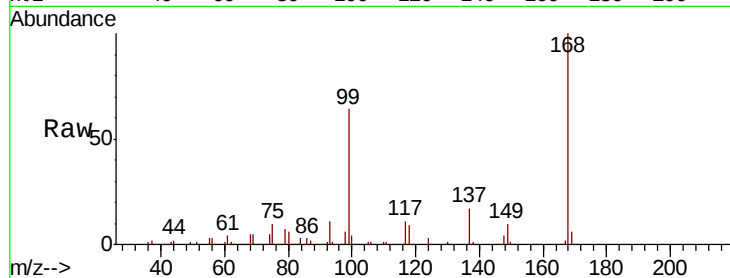
NB-08-082019

Tgt Ion:168 Resp: 441778

Ion Ratio Lower Upper

168 100

99 64.1 50.6 76.0



Abundance Ion 167.90 (167.60 to 168.60): VN057440.D (-1809) (-)

Ion 98.90 (98.60 to 99.60): VN057440.D (-1809) (-)

7.65

200000

150000

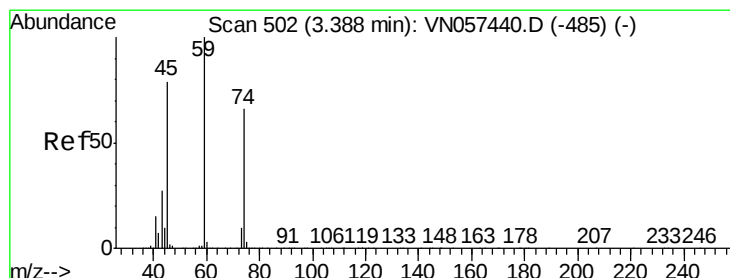
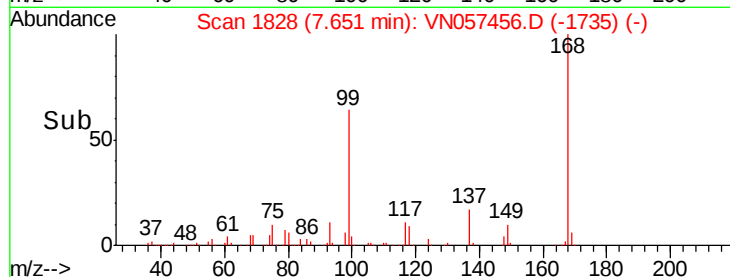
100000

50000

0

7.60 7.70 7.80

Time-->



#8

Diethyl Ether

Concen: Below Cal

RT: 3.38 min Scan# 501

Delta R.T. -0.00 min

Lab File: VN057456.D

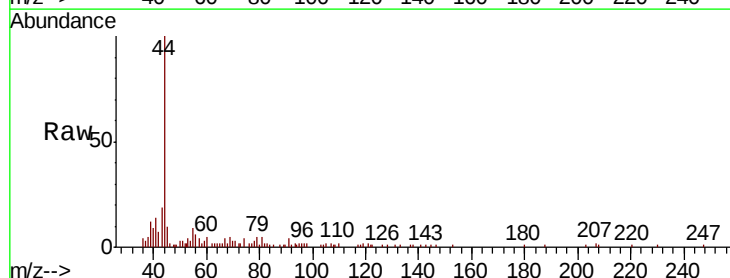
Acq: 23 Aug 2019 1:31

Tgt Ion: 74 Resp: 636

Ion Ratio Lower Upper

74 100

45 116.0 57.9 173.6



Abundance Ion 74.00 (73.70 to 74.70): VN057440.D (-485) (-)

Ion 45.00 (44.70 to 45.70): VN057440.D (-485) (-)

3.38

2500

2000

1500

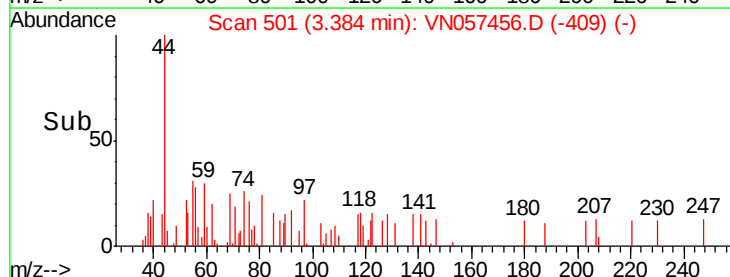
1000

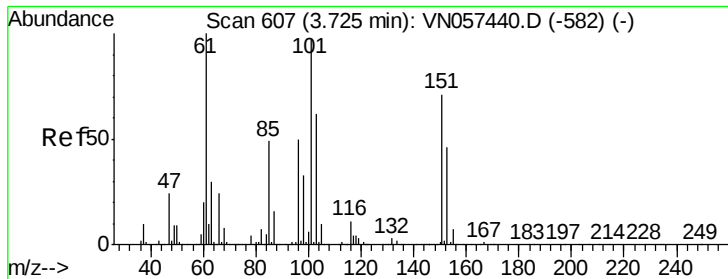
500

0

3.34 3.36 3.38 3.40 3.42

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: Below Cal

RT: 3.74 min Scan# 612

Delta R.T. 0.02 min

Lab File: VN057456.D

Acq: 23 Aug 2019 1:31

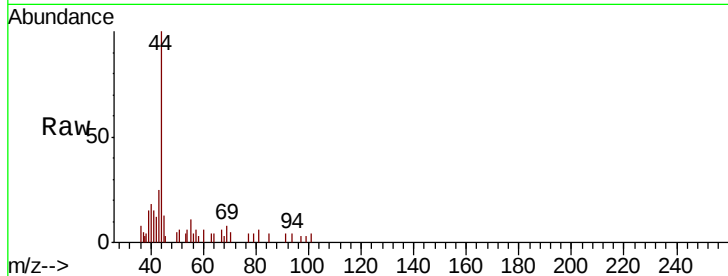
Instrument :

MSVOA_N

ClientSampled :

NB-08-082019

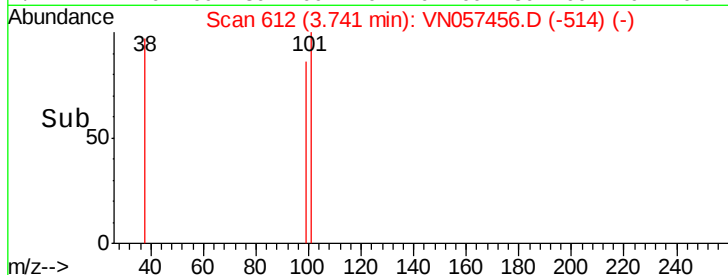
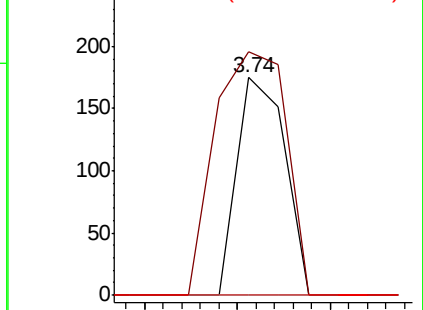
Tgt Ion:	101	Resp:	63
Ion	Ratio	Lower	Upper
101	100		
85	165.1	40.0	60.0#
151	0.0	57.0	85.6#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VNO

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 0.481 ug/l

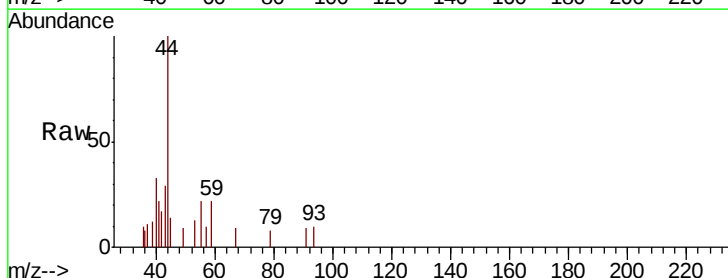
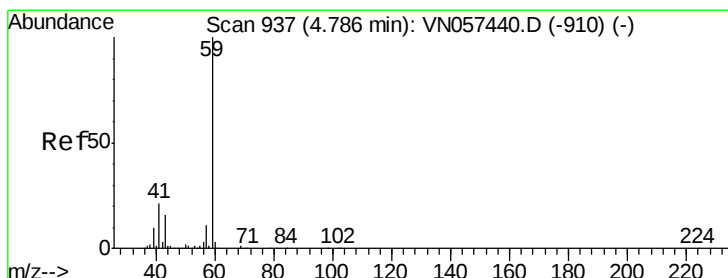
RT: 4.79 min Scan# 937

Delta R.T. -0.00 min

Lab File: VN057456.D

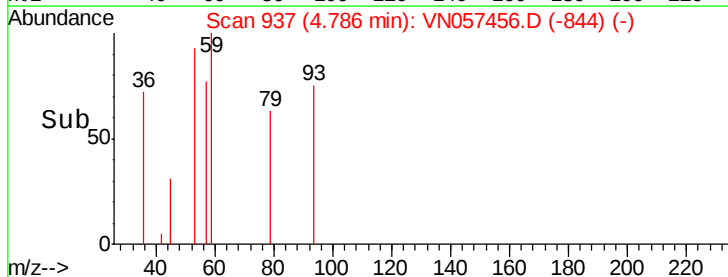
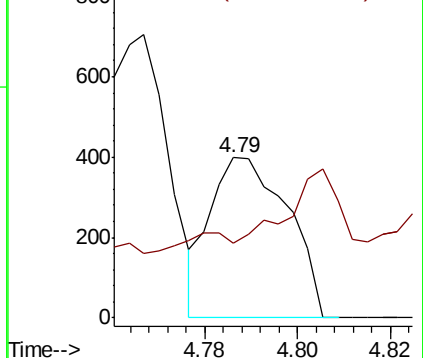
Acq: 23 Aug 2019 1:31

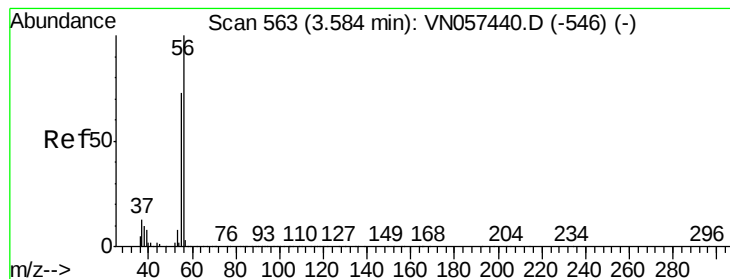
Tgt Ion:	59	Resp:	464
Ion	Ratio	Lower	Upper
59	100		
57	25.0	9.1	13.7#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#13

Acrolein

Concen: 0.254 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.01 min

Lab File: VN057456.D

Acq: 23 Aug 2019 1:31

Instrument :

MSVOA_N

ClientSampled :

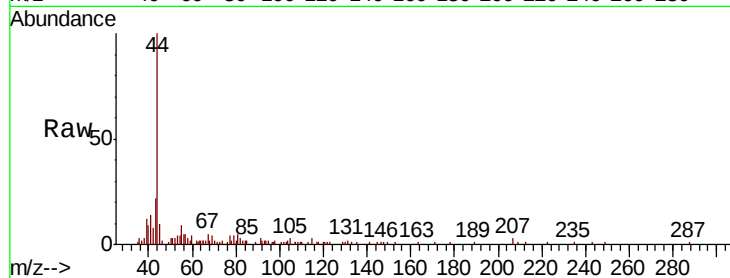
NB-08-082019

Tgt Ion: 56 Resp: 216

Ion Ratio Lower Upper

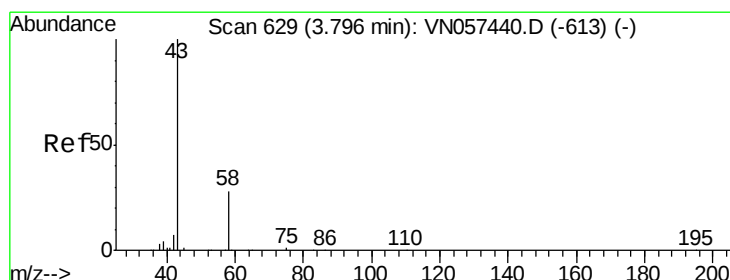
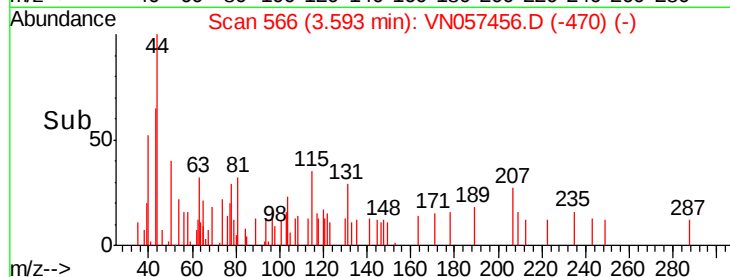
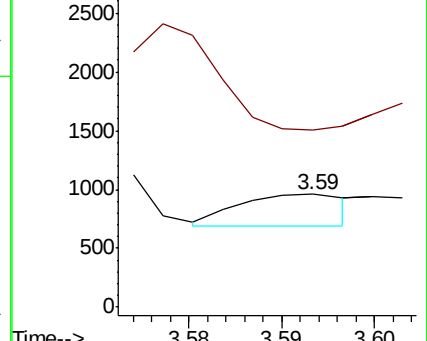
56 100

55 0.0 59.0 88.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 5.628 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN057456.D

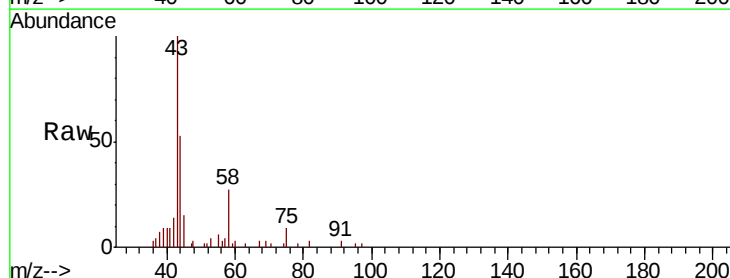
Acq: 23 Aug 2019 1:31

Tgt Ion: 43 Resp: 20087

Ion Ratio Lower Upper

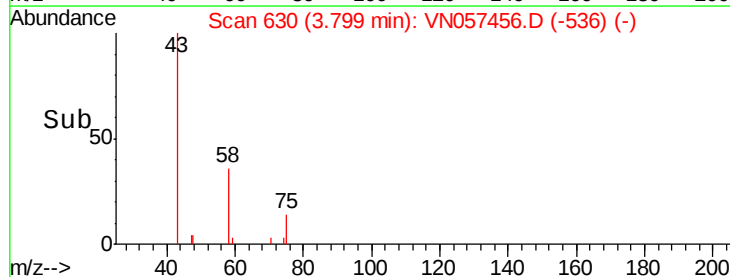
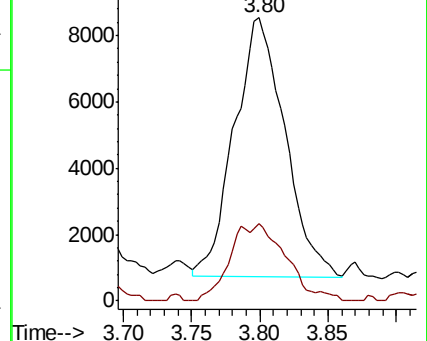
43 100

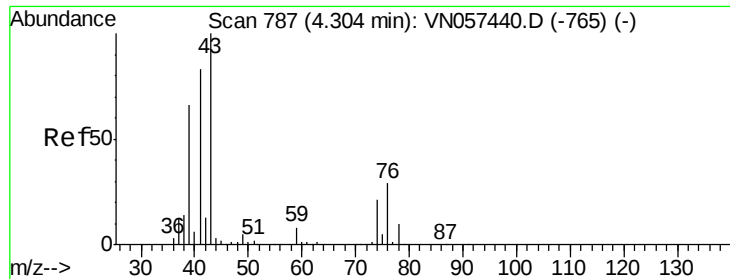
58 29.8 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

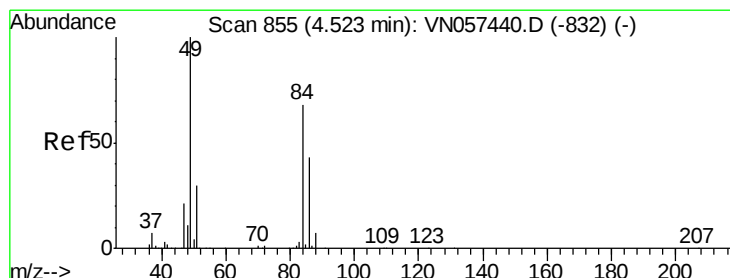
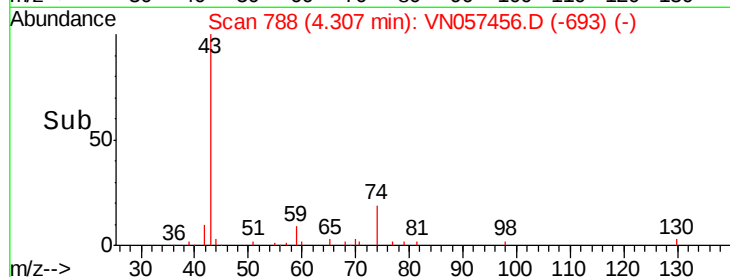
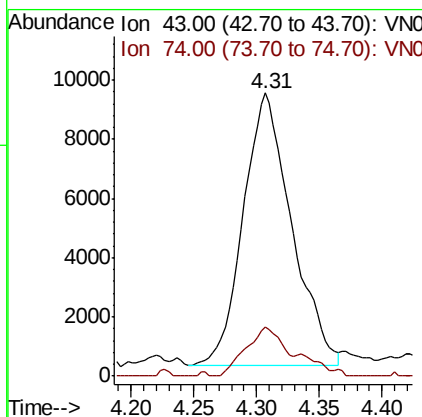
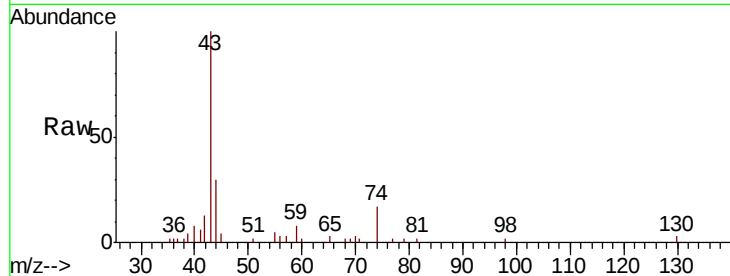




#18
Methyl Acetate
Concen: 2.298 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN057456.D
Acq: 23 Aug 2019 1:31

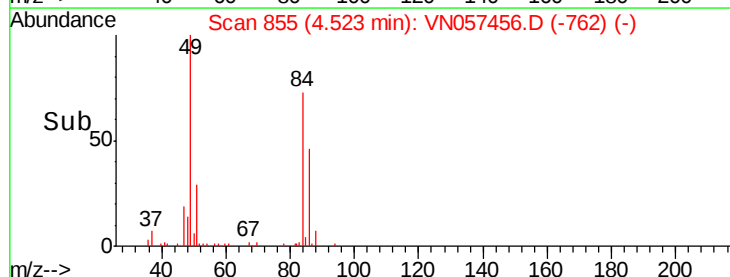
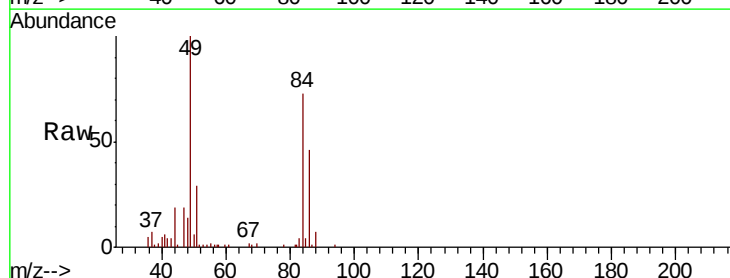
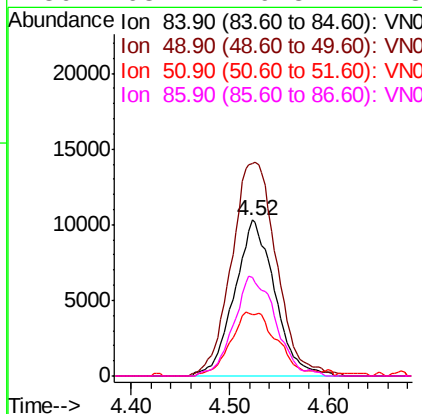
Instrument :
MSVOA_N
ClientSampled :
NB-08-082019

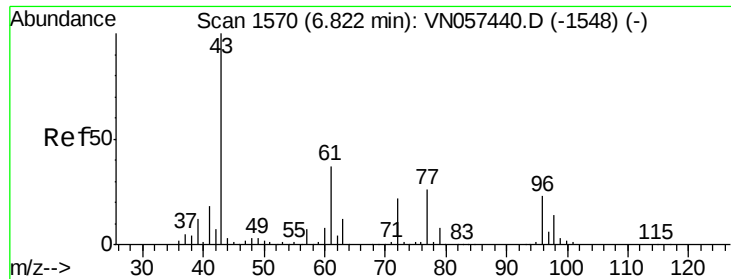
Tgt Ion: 43 Resp: 24712
Ion Ratio Lower Upper
43 100
74 13.9 15.9 23.9#



#20
Methylene Chloride
Concen: 5.443 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN057456.D
Acq: 23 Aug 2019 1:31

Tgt Ion: 84 Resp: 29153
Ion Ratio Lower Upper
84 100
49 136.6 117.0 175.4
51 39.2 35.5 53.3
86 63.2 49.8 74.8





#25

2-Butanone

Concen: 0.626 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN057456.D

Acq: 23 Aug 2019 1:31

Instrument :

MSVOA_N

ClientSampleId :

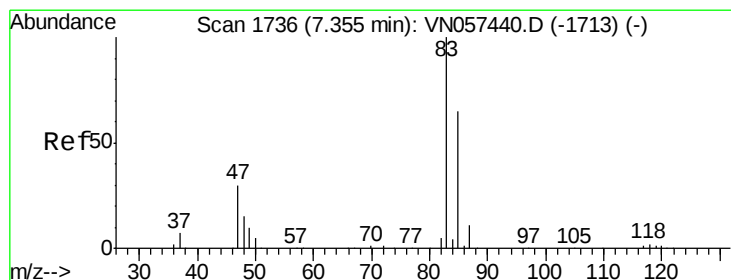
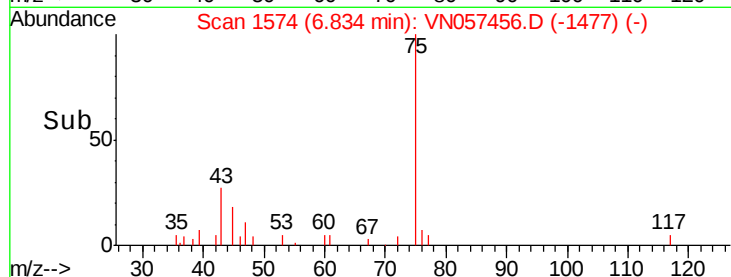
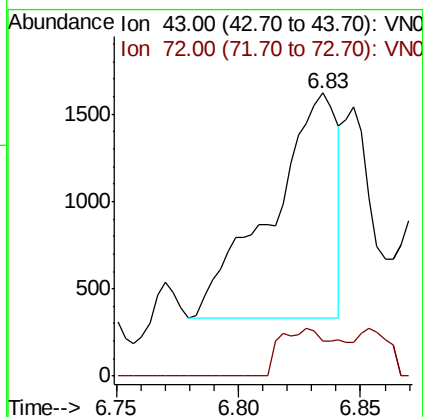
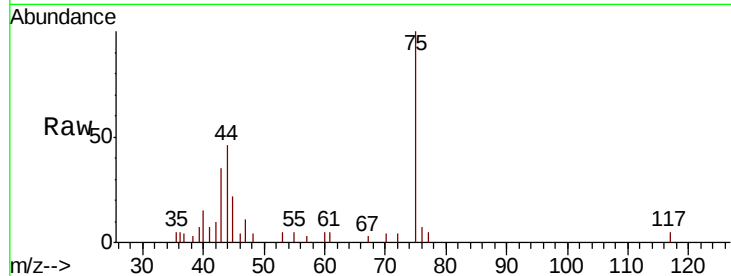
NB-08-082019

Tgt Ion: 43 Resp: 2427

Ion Ratio Lower Upper

43 100

72 15.7 17.8 26.8#



#30

Chloroform

Concen: 0.282 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VN057456.D

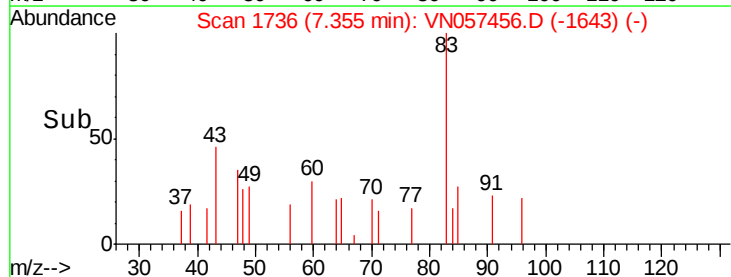
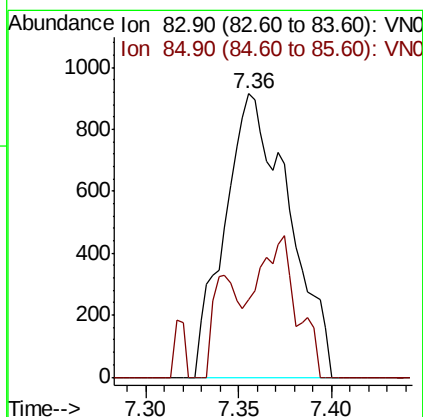
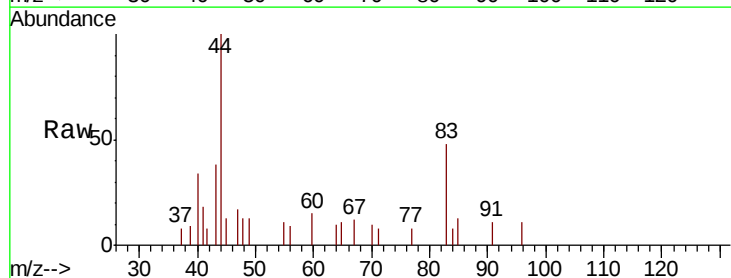
Acq: 23 Aug 2019 1:31

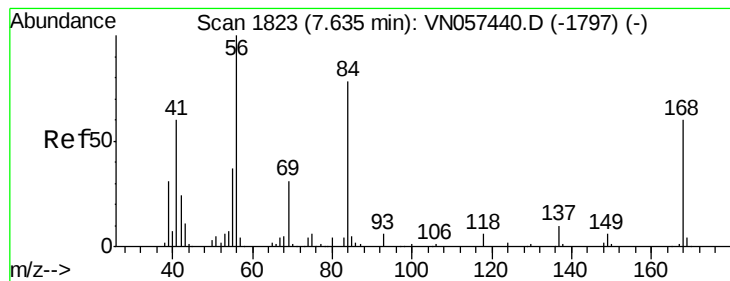
Tgt Ion: 83 Resp: 2213

Ion Ratio Lower Upper

83 100

85 27.3 51.9 77.9#





#31

Cyclohexane

Concen: 1.122 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN057456.D

Acq: 23 Aug 2019 1:31

Instrument :

MSVOA_N

ClientSampleId :

NB-08-082019

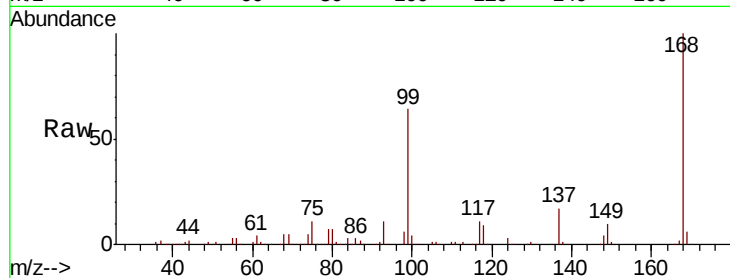
Tgt Ion: 56 Resp: 12247

Ion Ratio Lower Upper

56 100

69 190.3 25.0 37.6#

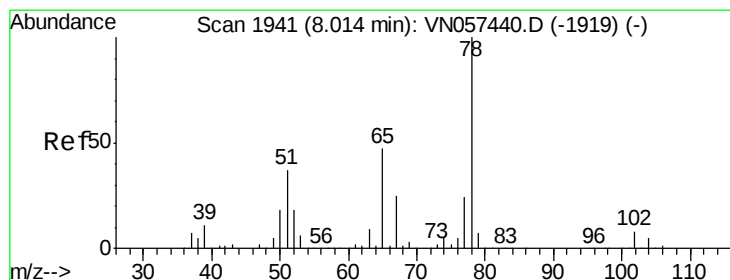
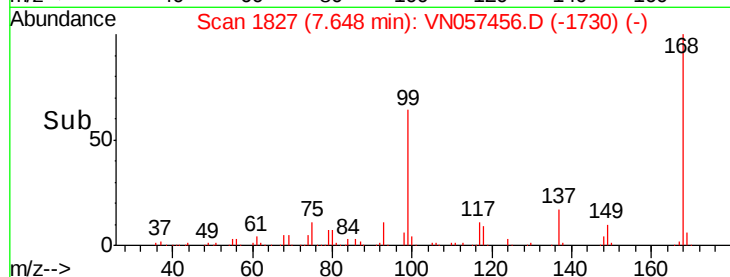
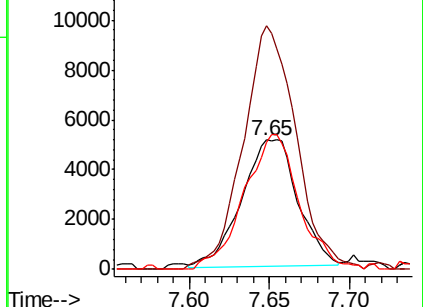
84 100.6 62.5 93.7#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 47.419 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VN057456.D

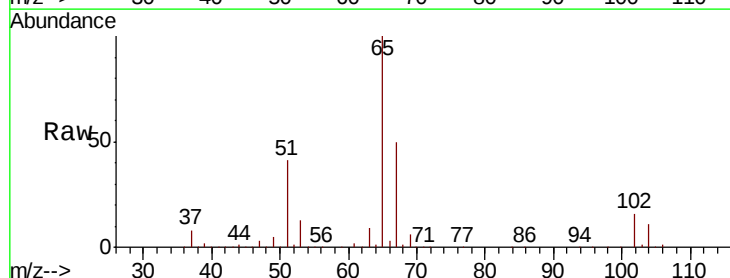
Acq: 23 Aug 2019 1:31

Tgt Ion: 65 Resp: 368515

Ion Ratio Lower Upper

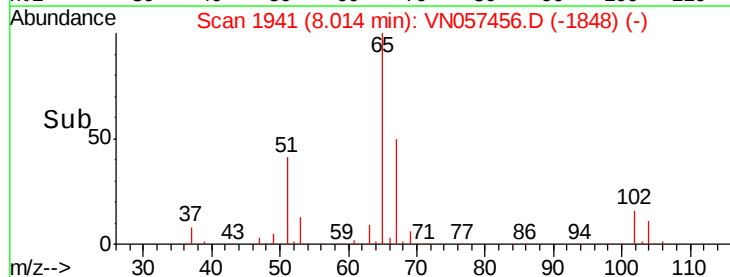
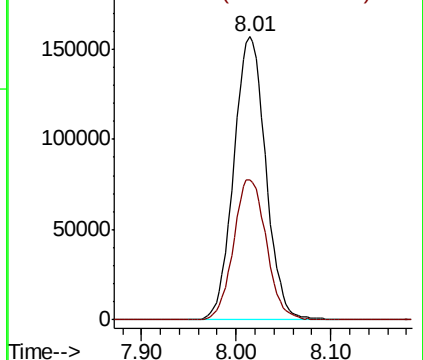
65 100

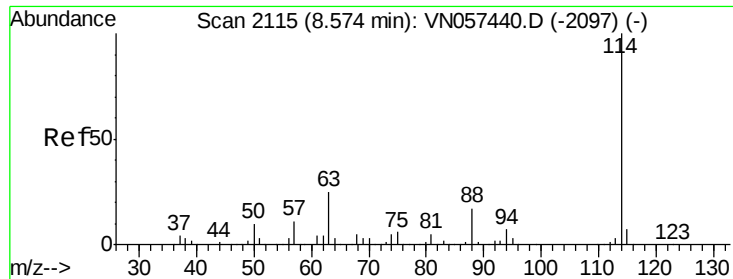
67 50.4 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

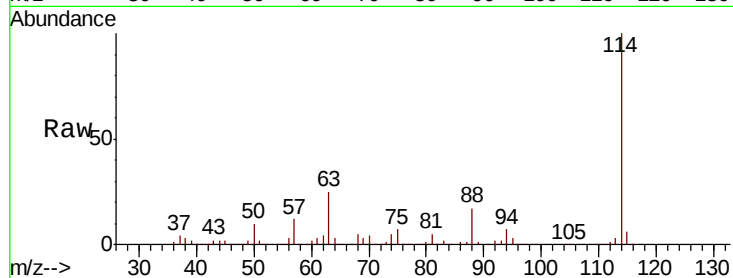




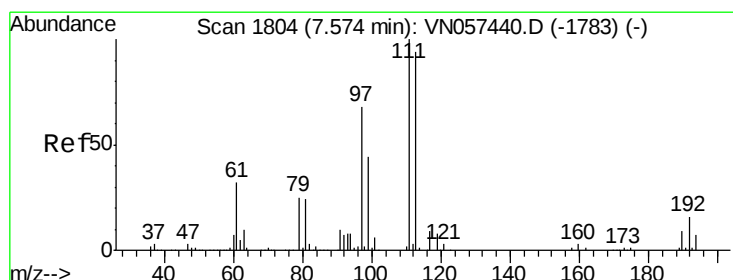
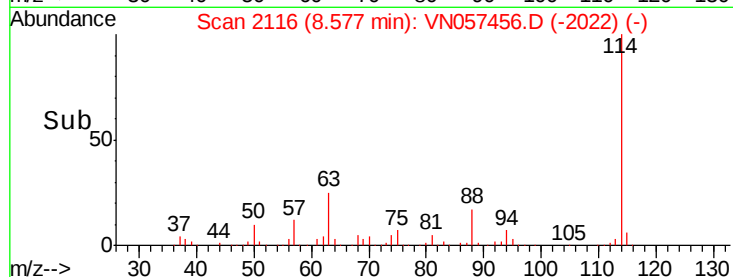
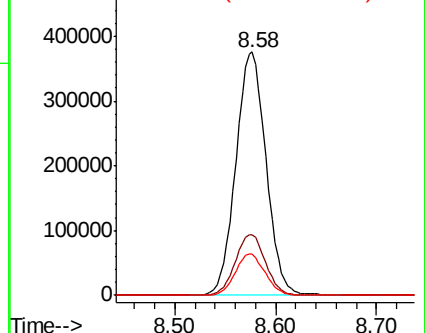
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057456.D
 Acq: 23 Aug 2019 1:31

Instrument :
 MSVOA_N
 ClientSampleId :
 NB-08-082019

Tgt Ion:114 Resp: 780762
 Ion Ratio Lower Upper
 114 100
 63 25.1 0.0 50.2
 88 16.9 0.0 34.6

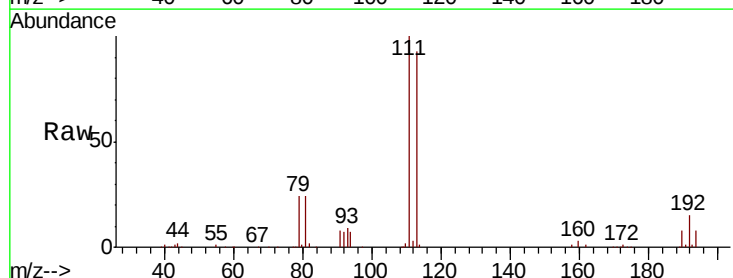


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

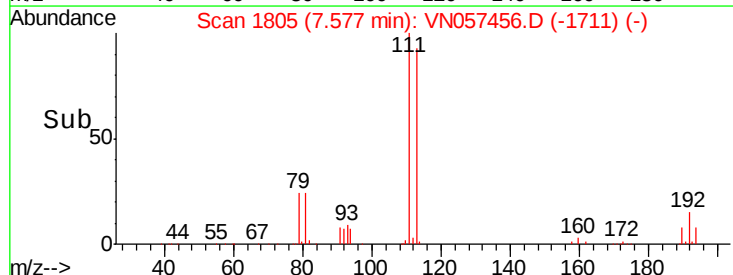
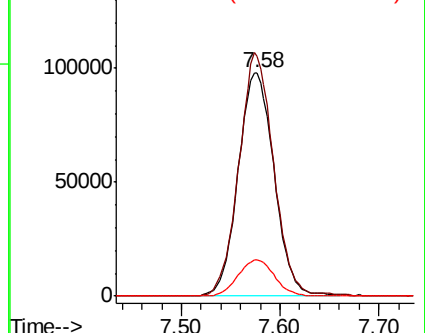


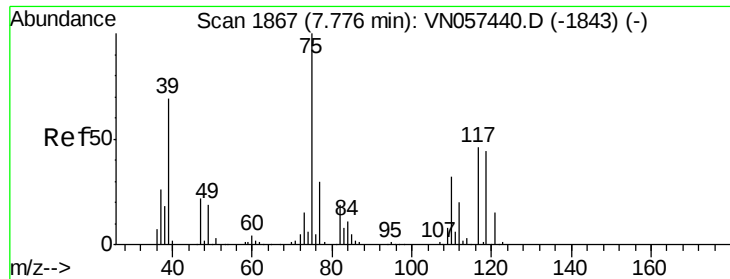
#35
 Dibromofluoromethane
 Concen: 46.961 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057456.D
 Acq: 23 Aug 2019 1:31

Tgt Ion:113 Resp: 247660
 Ion Ratio Lower Upper
 113 100
 111 104.4 83.8 125.6
 192 16.5 13.5 20.3



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

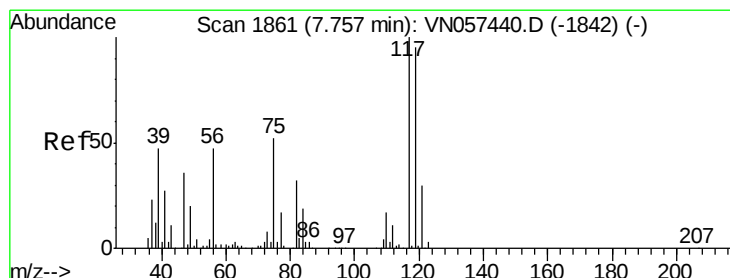
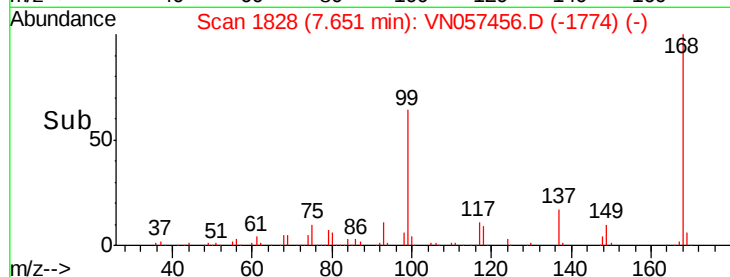
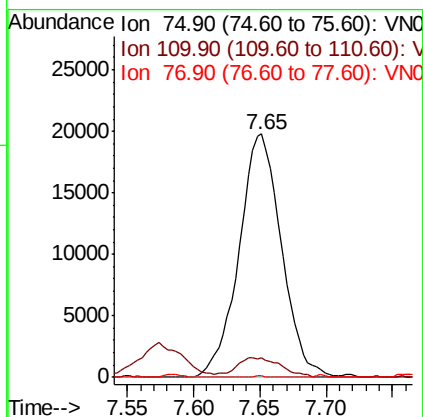
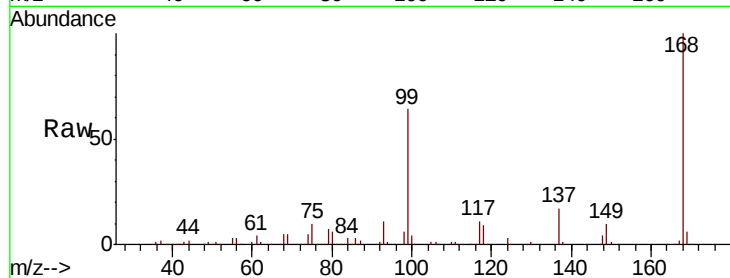




#36
 1,1-Dichloropropene
 Concen: 5.535 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN057456.D
 Acq: 23 Aug 2019 1:31

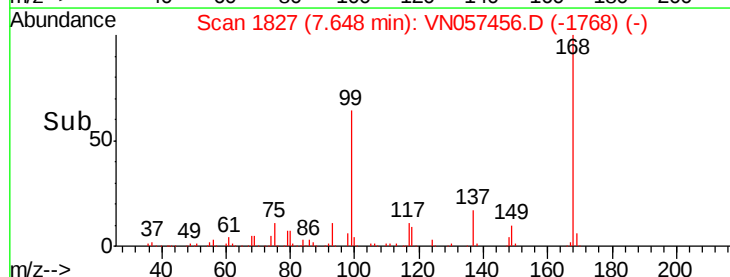
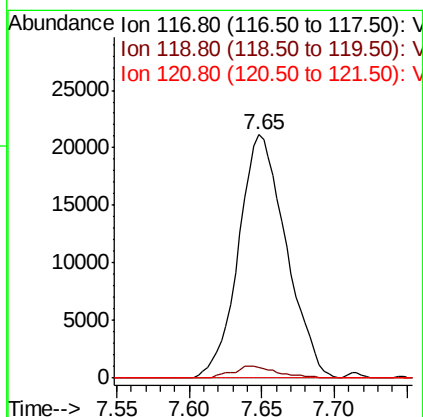
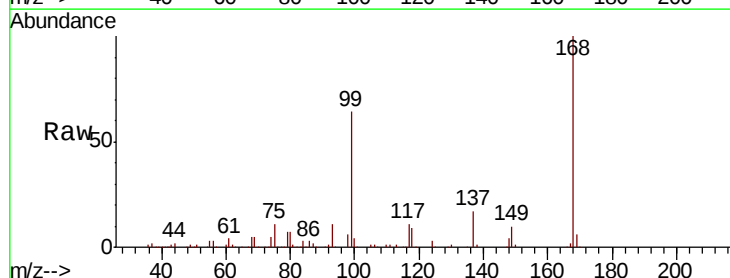
Instrument :
 MSVOA_N
 ClientSampleId :
 NB-08-082019

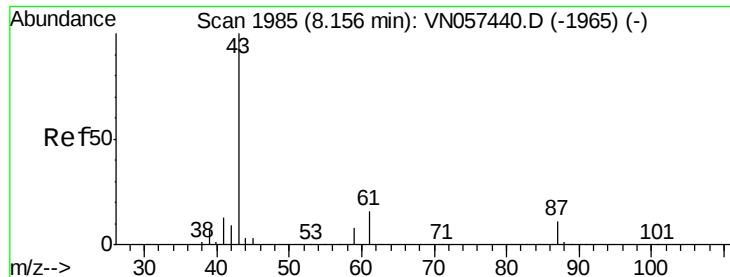
Tgt Ion: 75 Resp: 44154
 Ion Ratio Lower Upper
 75 100
 110 8.3 16.1 48.3#
 77 0.1 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.069 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.11 min
 Lab File: VN057456.D
 Acq: 23 Aug 2019 1:31

Tgt Ion: 117 Resp: 48100
 Ion Ratio Lower Upper
 117 100
 119 4.2 76.2 114.4#
 121 0.0 23.8 35.6#





#43

Isopropyl Acetate

Concen: 8.194 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN057456.D

Acq: 23 Aug 2019 1:31

Instrument :

MSVOA_N

ClientSampleId :

NB-08-082019

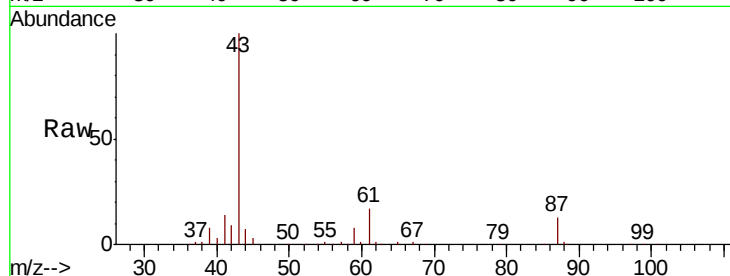
Tgt Ion: 43 Resp: 118443

Ion Ratio Lower Upper

43 100

61 16.8 14.5 21.7

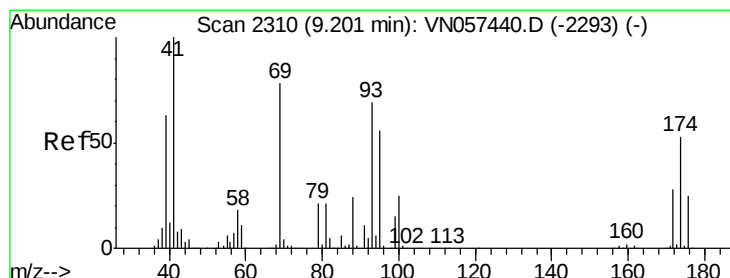
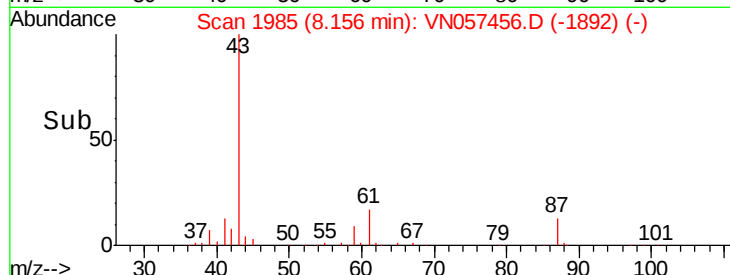
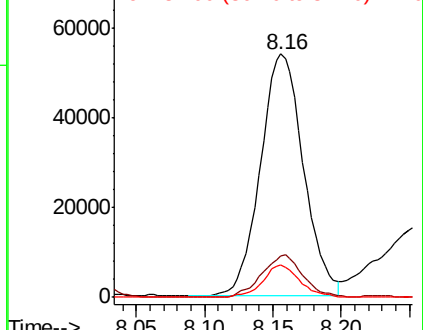
87 11.5 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#46

Dibromomethane

Concen: Below Cal

RT: 9.21 min Scan# 2314

Delta R.T. 0.01 min

Lab File: VN057456.D

Acq: 23 Aug 2019 1:31

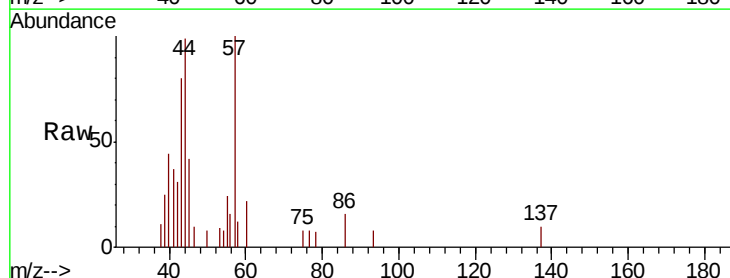
Tgt Ion: 93 Resp: 62

Ion Ratio Lower Upper

93 100

95 0.0 64.7 97.1#

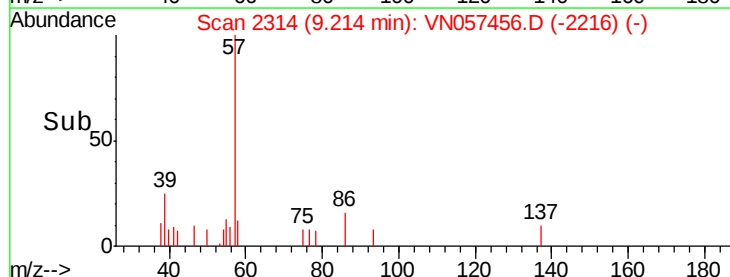
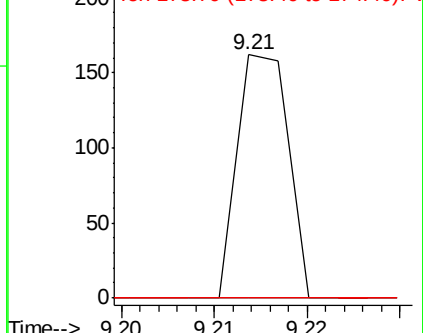
174 0.0 62.3 93.5#

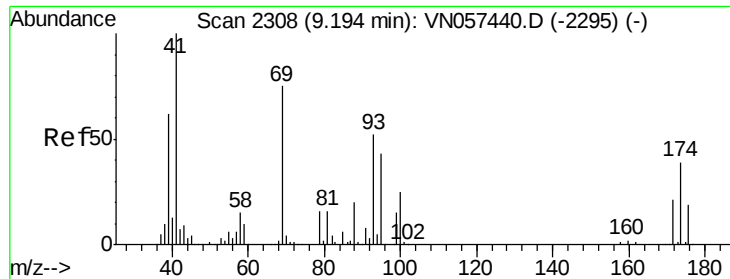


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

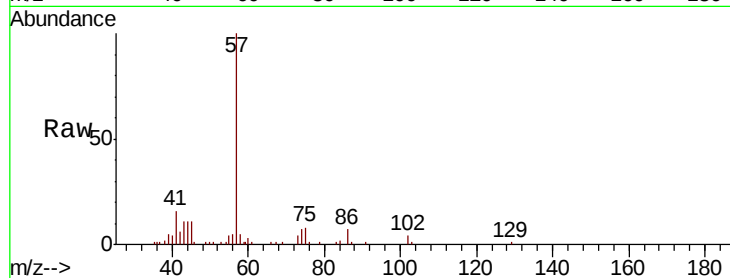




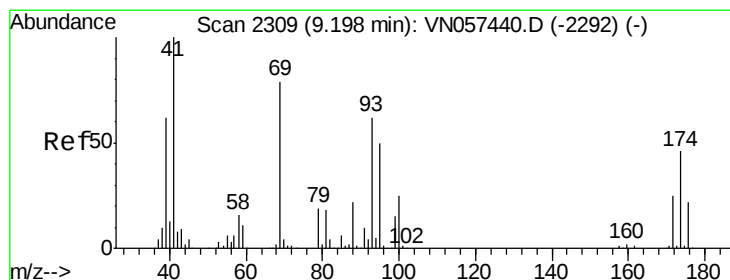
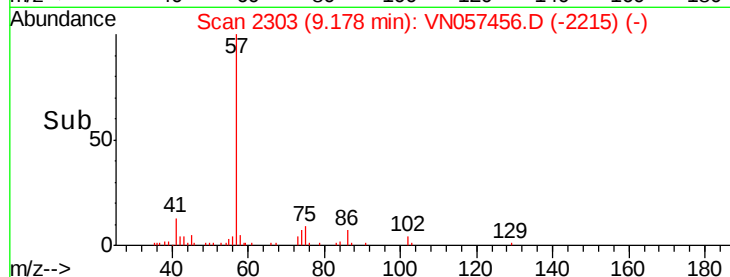
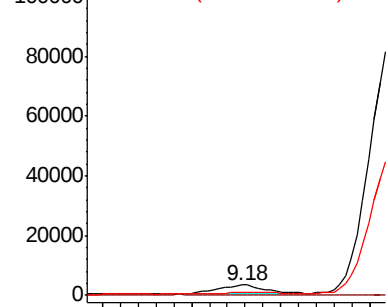
#48
Methyl methacrylate
Concen: 0.868 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN057456.D
Acq: 23 Aug 2019 1:31

Instrument :
MSVOA_N
ClientSampleId :
NB-08-082019

Tgt Ion: 41 Resp: 5967
Ion Ratio Lower Upper
41 100
69 2.7 59.3 88.9#
39 0.0 50.6 75.8#

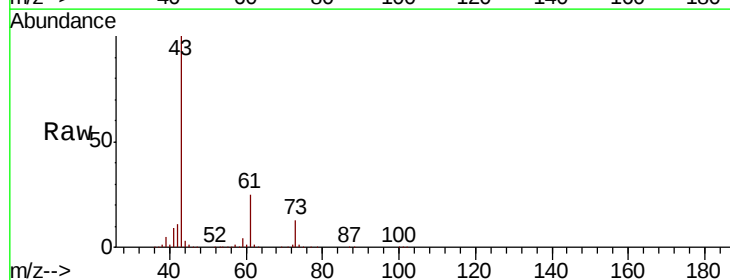


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

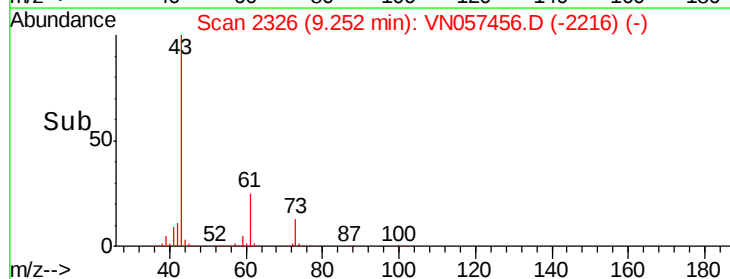
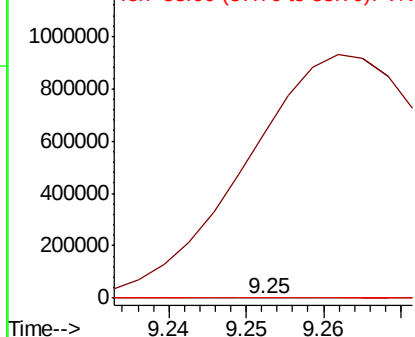


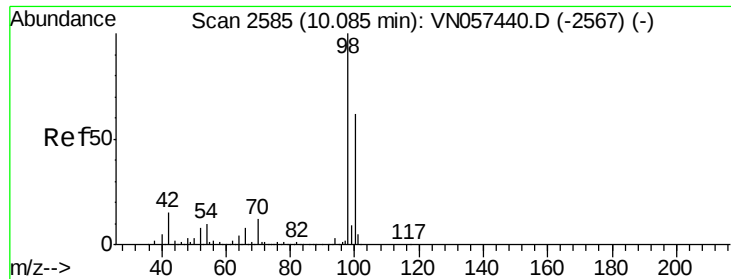
#49
1,4-Dioxane
Concen: 1.294 ug/l
RT: 9.25 min Scan# 2326
Delta R.T. 0.05 min
Lab File: VN057456.D
Acq: 23 Aug 2019 1:31

Tgt Ion: 88 Resp: 115
Ion Ratio Lower Upper
88 100
43 1493656.5 31.0 46.6#
58 5215.7 64.5 96.7#



Abundance Ion 88.00 (87.70 to 88.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 58.00 (57.70 to 58.70): VNC





#50

Toluene-d8

Concen: 49.496 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057456.D

Acq: 23 Aug 2019 1:31

Instrument :

MSVOA_N

ClientSampleId :

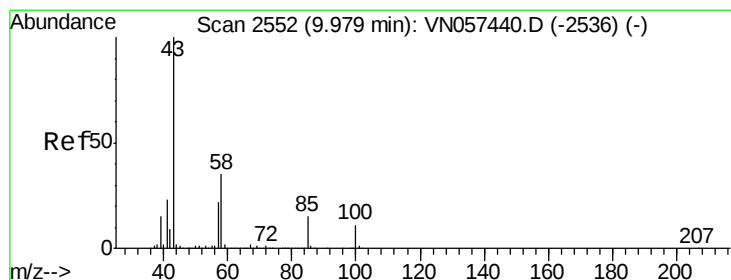
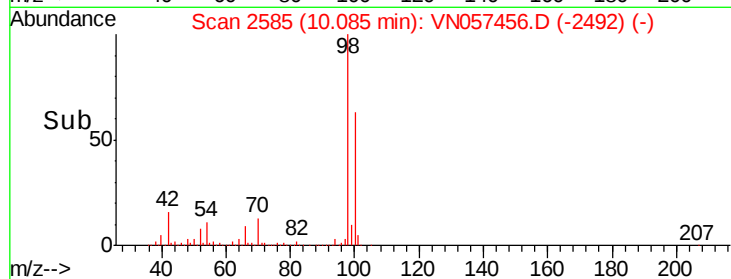
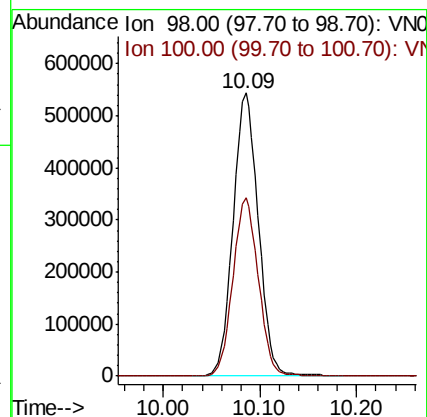
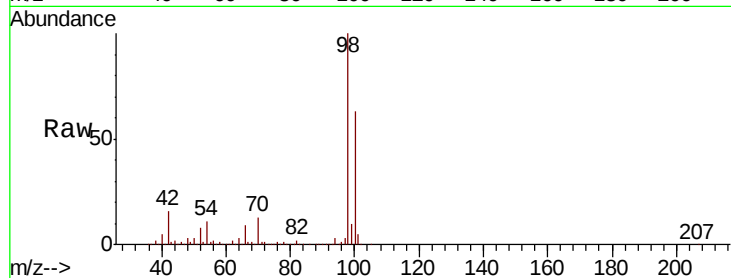
NB-08-082019

Tgt Ion: 98 Resp: 986999

Ion Ratio Lower Upper

98 100

100 63.5 50.4 75.6



#51

4-Methyl-2-Pentanone

Concen: 0.852 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.01 min

Lab File: VN057456.D

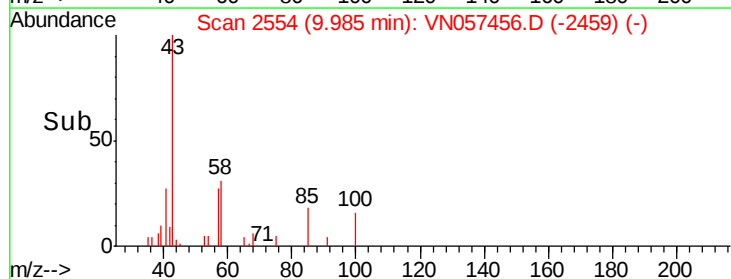
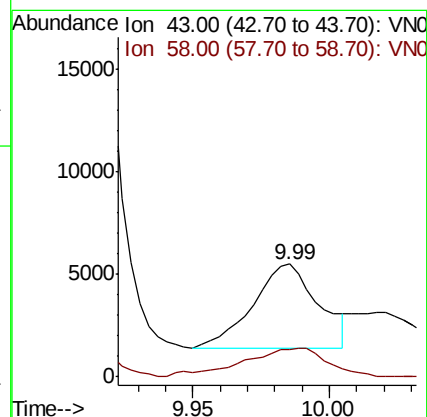
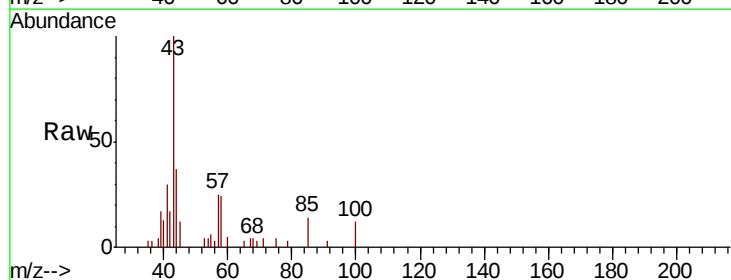
Acq: 23 Aug 2019 1:31

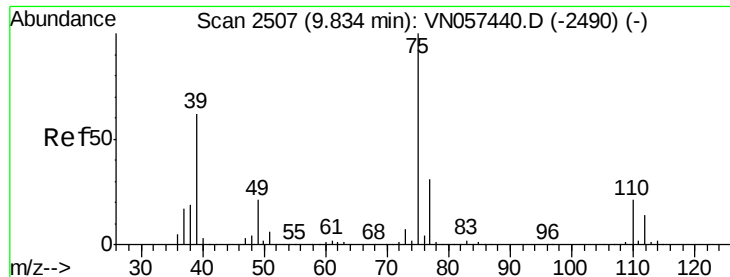
Tgt Ion: 43 Resp: 6860

Ion Ratio Lower Upper

43 100

58 44.1 27.9 41.9#





#54

cis-1,3-Dichloropropene

Concen: 4.600 ug/l

RT: 9.90 min Scan# 2527

Delta R.T. 0.06 min

Lab File: VN057456.D

Acq: 23 Aug 2019 1:31

Instrument :

MSVOA_N

ClientSampleId :

NB-08-082019

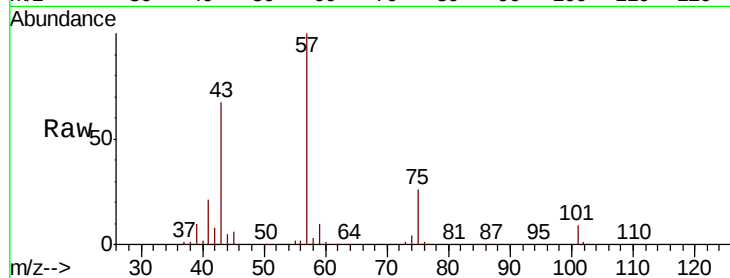
Tgt Ion: 75 Resp: 47728

Ion Ratio Lower Upper

75 100

77 1.1 25.0 37.6#

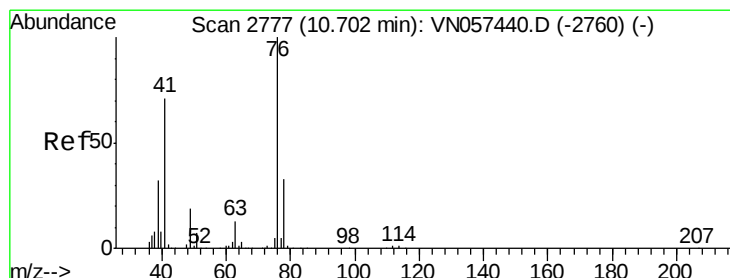
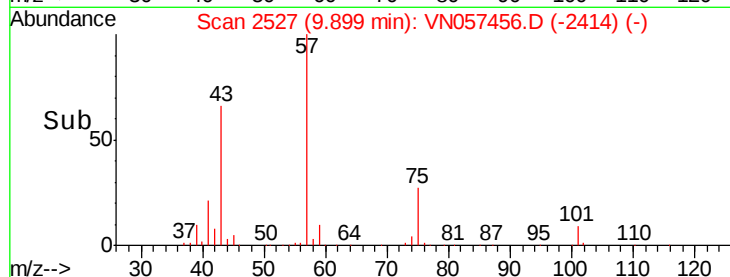
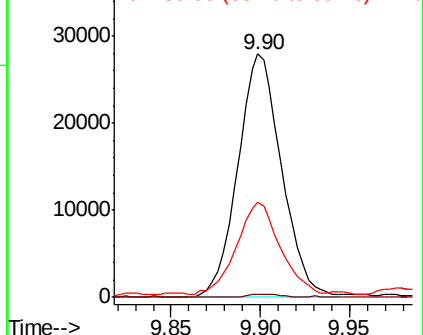
39 37.6 49.2 73.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 0.691 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.06 min

Lab File: VN057456.D

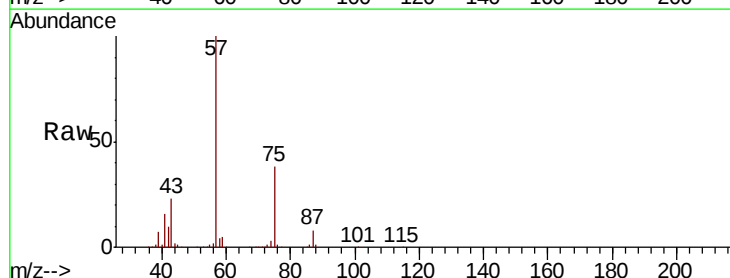
Acq: 23 Aug 2019 1:31

Tgt Ion: 76 Resp: 6711

Ion Ratio Lower Upper

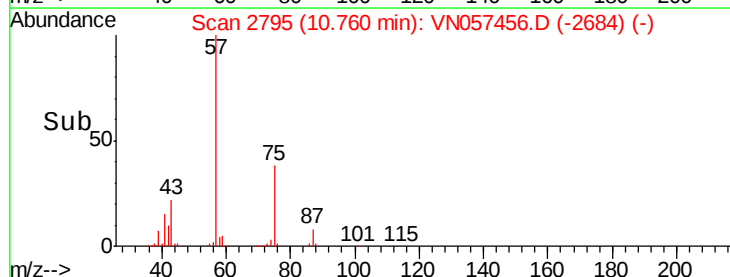
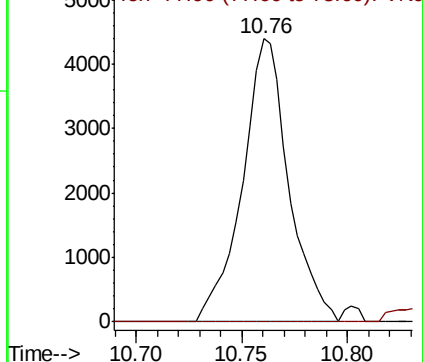
76 100

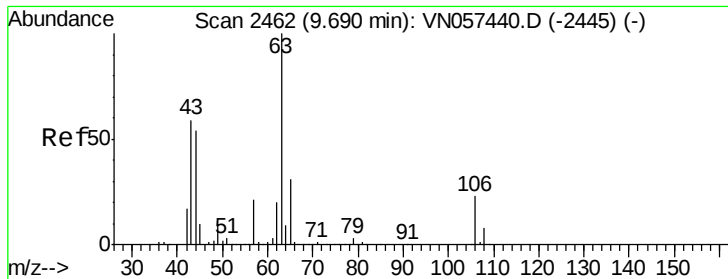
78 0.0 25.5 38.3#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





#58

2-Chloroethyl Vinyl ether

Concen: 17.076 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.01 min

Lab File: VN057456.D

Acq: 23 Aug 2019 1:31

Instrument :

MSVOA_N

ClientSampled :

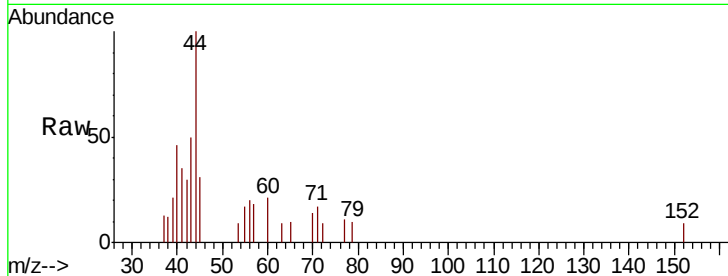
NB-08-082019

Tgt Ion: 63 Resp: 30

Ion Ratio Lower Upper

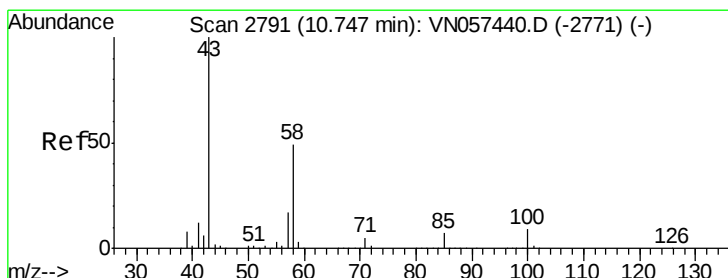
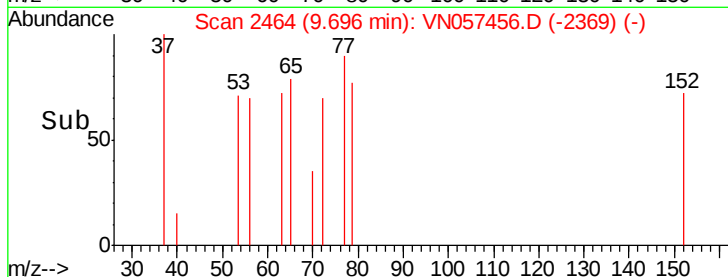
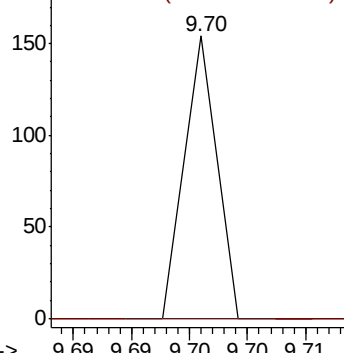
63 100

106 0.0 18.6 27.8#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): VN0



#59

2-Hexanone

Concen: 19.296 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.02 min

Lab File: VN057456.D

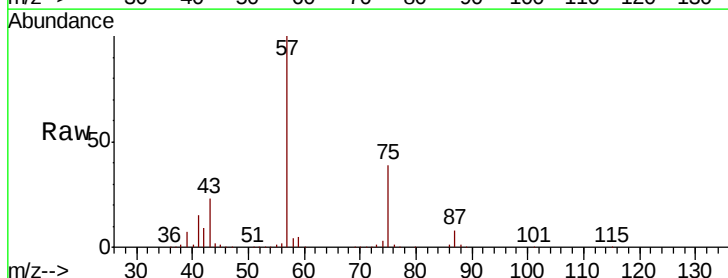
Acq: 23 Aug 2019 1:31

Tgt Ion: 43 Resp: 106616

Ion Ratio Lower Upper

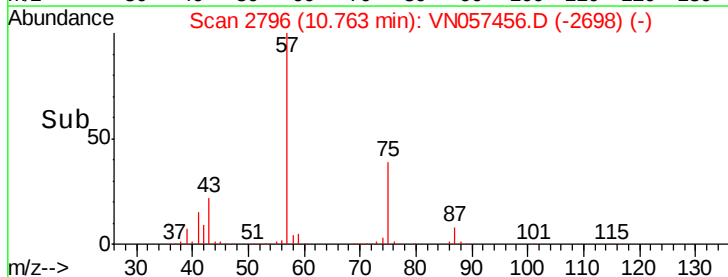
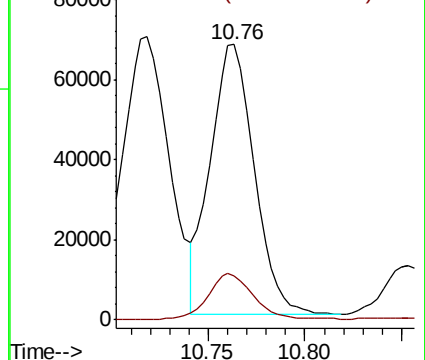
43 100

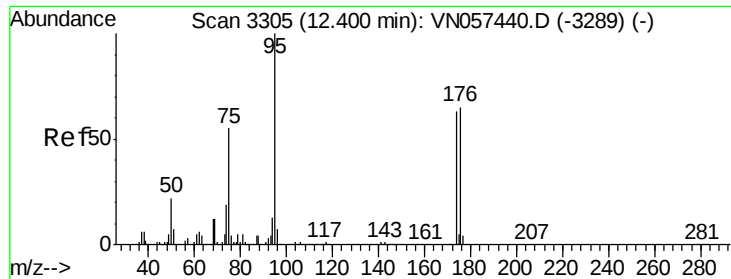
58 18.0 24.6 73.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

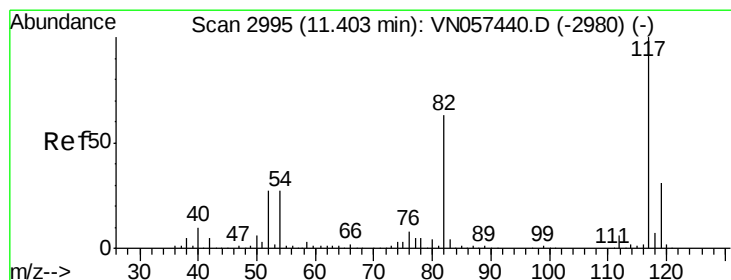
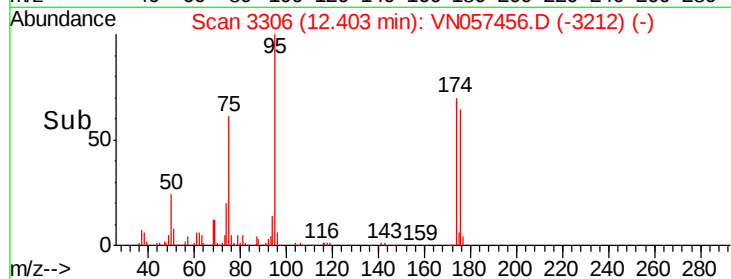
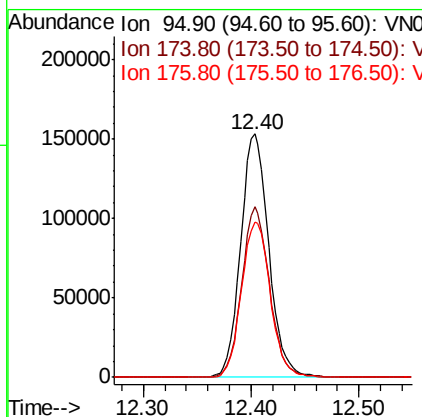
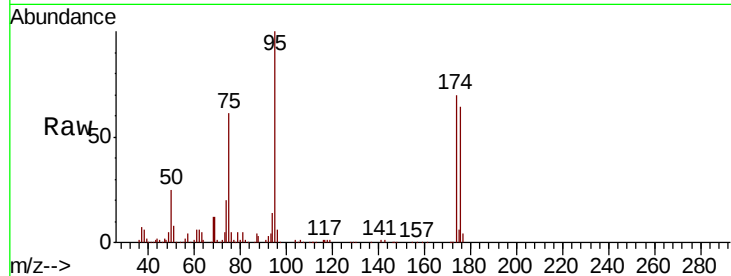




#62
4-Bromofluorobenzene
Concen: 41.223 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057456.D
Acq: 23 Aug 2019 1:31

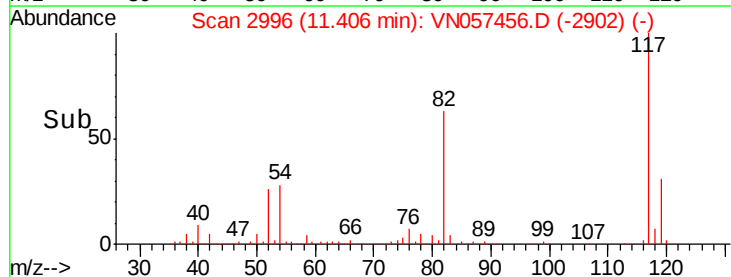
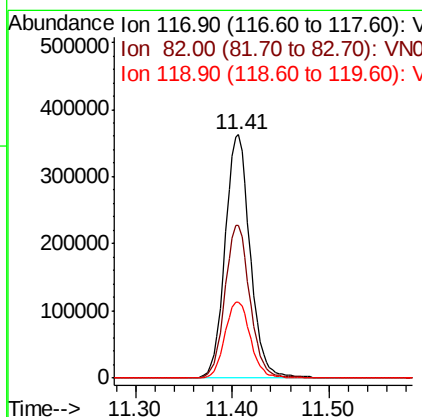
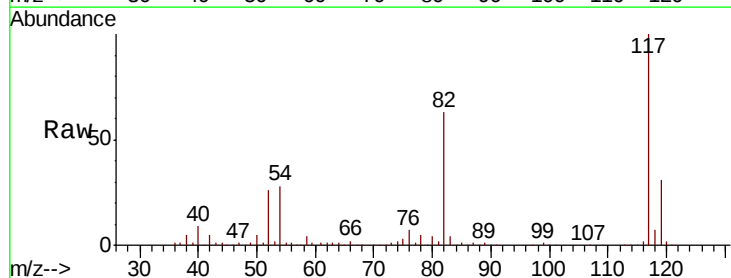
Instrument :
MSVOA_N
ClientSampleId :
NB-08-082019

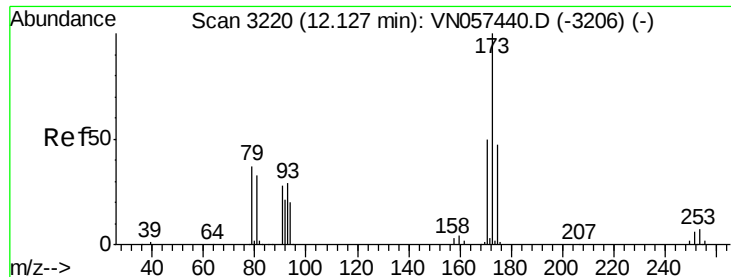
Tgt Ion	Ratio	Lower	Upper
95	100		
174	69.0	0.0	133.0
176	65.3	0.0	130.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057456.D
Acq: 23 Aug 2019 1:31

Tgt Ion	Ratio	Lower	Upper
117	100		
82	62.9	50.6	75.8
119	31.3	24.6	36.8





#71

Bromoform

Concen: 0.214 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.27 min

Lab File: VN057456.D

Acq: 23 Aug 2019 1:31

Instrument :

MSVOA_N

ClientSampled :

NB-08-082019

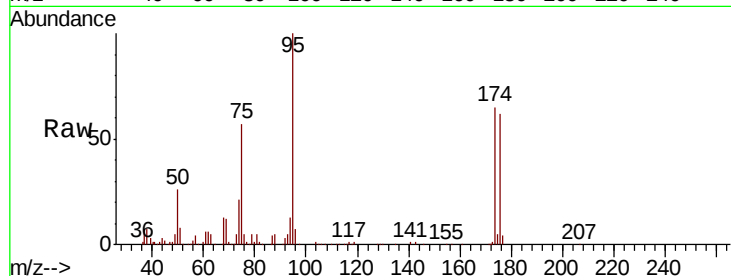
Tgt Ion:173 Resp: 729

Ion Ratio Lower Upper

173 100

175 1724.3 23.9 71.8#

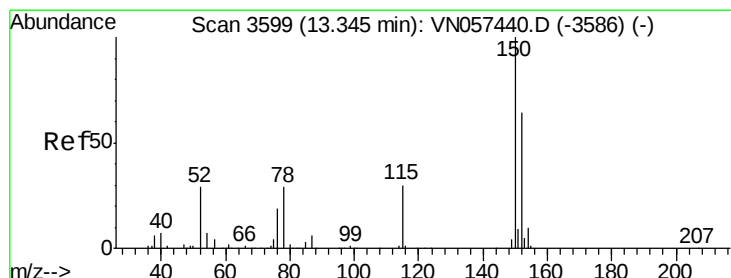
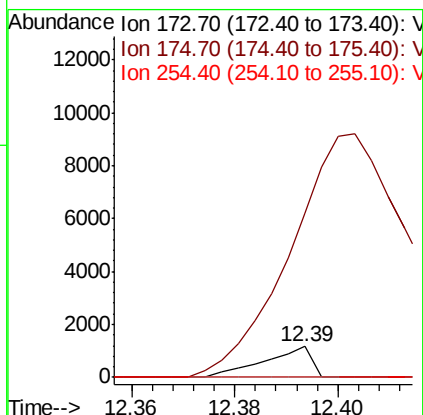
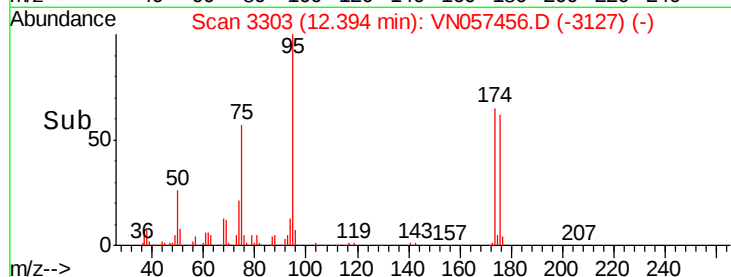
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057456.D

Acq: 23 Aug 2019 1:31

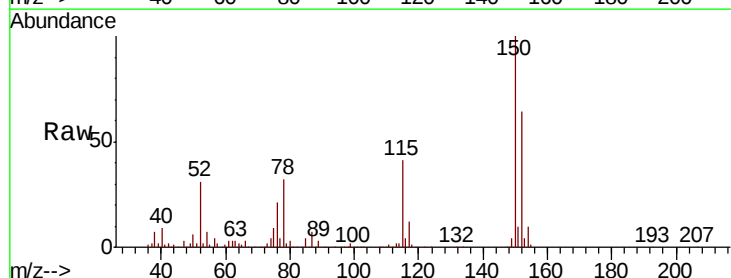
Tgt Ion:152 Resp: 164262

Ion Ratio Lower Upper

152 100

115 65.3 32.0 96.0

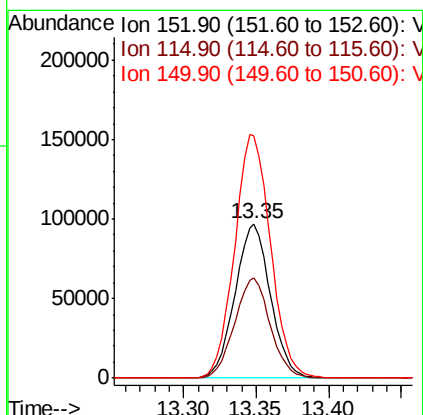
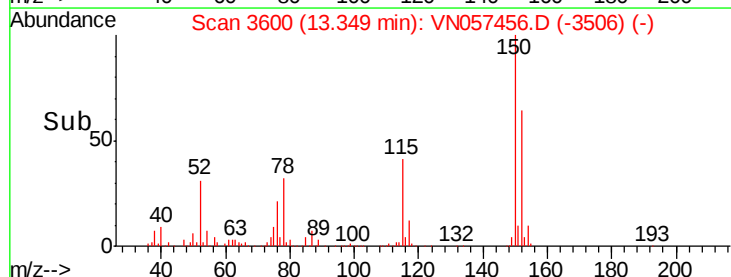
150 160.0 0.0 346.6

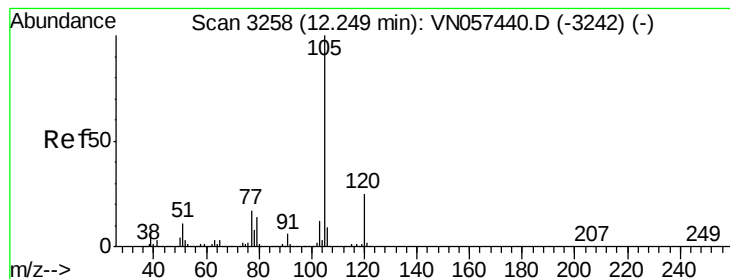


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057456.D

Acq: 23 Aug 2019 1:31

Instrument :

MSVOA_N

ClientSampled :

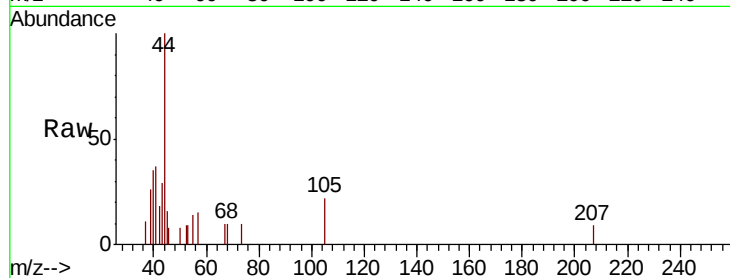
NB-08-082019

Tgt Ion: 105 Resp: 442

Ion Ratio Lower Upper

105 100

120 0.0 12.7 38.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

400

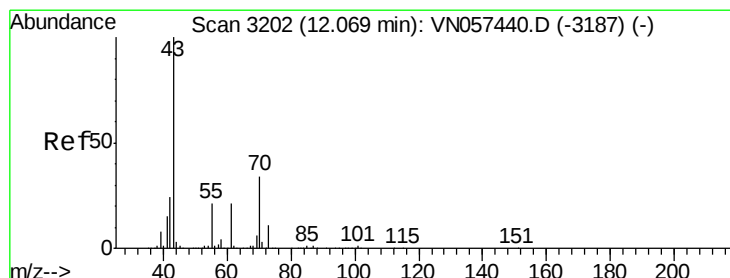
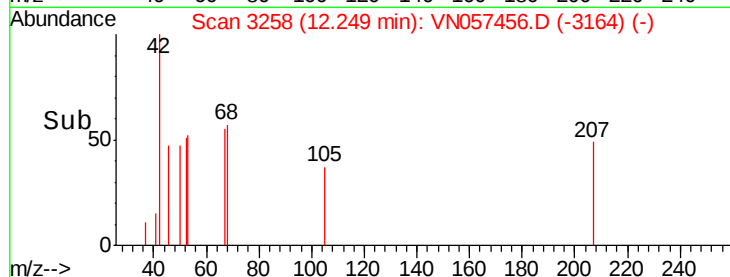
300

200

100

0

Time--> 12.22 12.24 12.26



#74

N-ethyl acetate

Concen: Below Cal

RT: 12.04 min Scan# 3192

Delta R.T. -0.03 min

Lab File: VN057456.D

Acq: 23 Aug 2019 1:31

Tgt Ion: 43 Resp: 5953

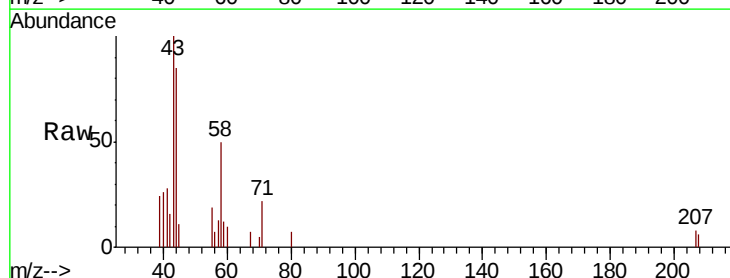
Ion Ratio Lower Upper

43 100

70 1.6 27.8 41.6#

55 3.9 17.0 25.4#

61 1.9 17.0 25.6#



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

4000

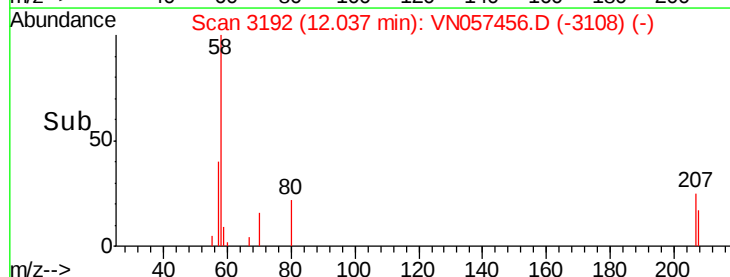
3000

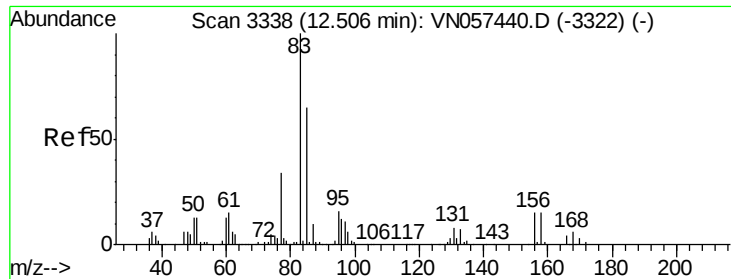
2000

1000

0

Time--> 11.95 12.00 12.05 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3340

Delta R.T. 0.01 min

Lab File: VN057456.D

Acq: 23 Aug 2019 1:31

Instrument :

MSVOA_N

ClientSampleId :

NB-08-082019

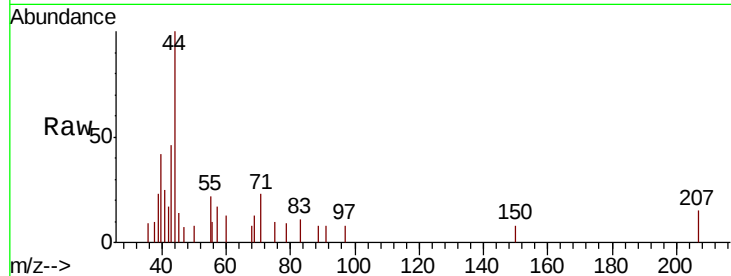
Tgt Ion: 83 Resp: 185

Ion Ratio Lower Upper

83 100

131 0.0 4.3 13.1#

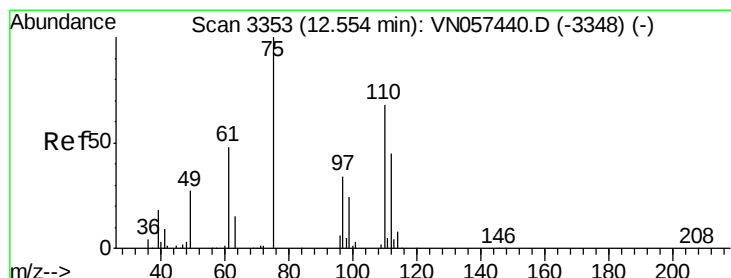
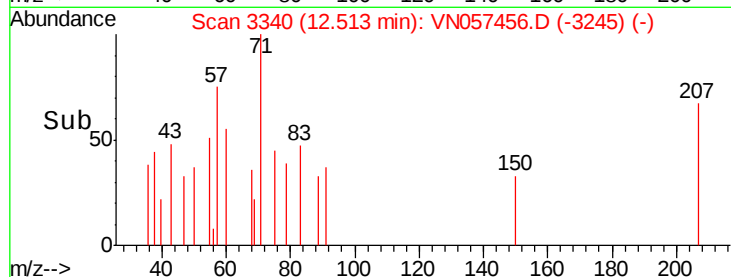
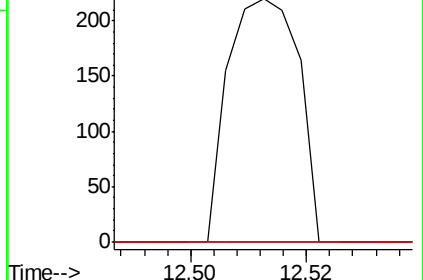
85 0.0 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 43.764 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057456.D

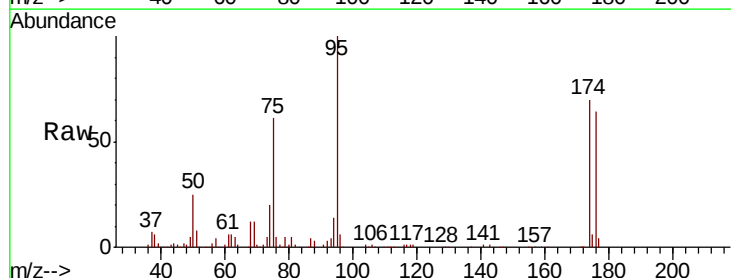
Acq: 23 Aug 2019 1:31

Tgt Ion: 75 Resp: 160812

Ion Ratio Lower Upper

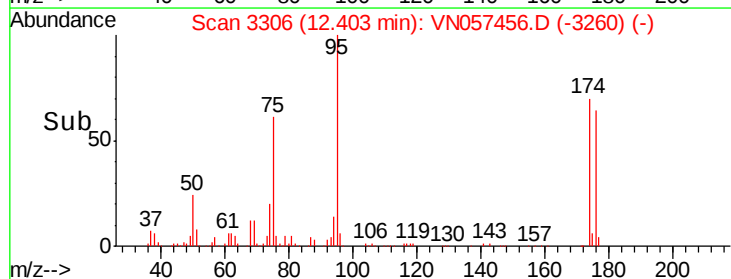
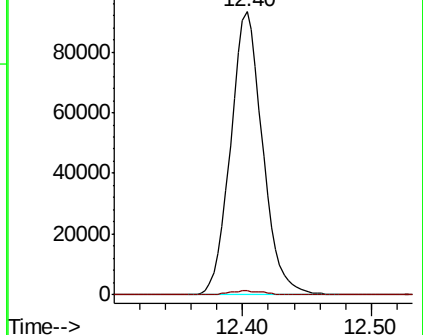
75 100

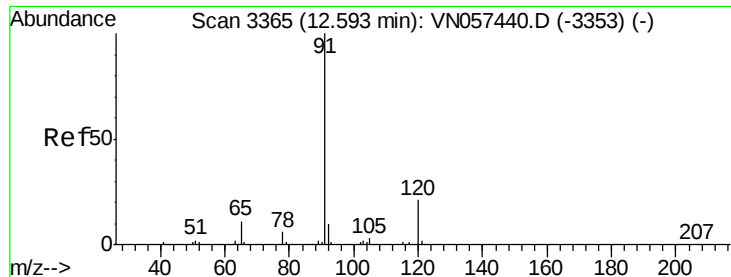
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#78

n-propylbenzene

Concen: Below Cal

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN057456.D

Acq: 23 Aug 2019 1:31

Instrument :

MSVOA_N

ClientSampleId :

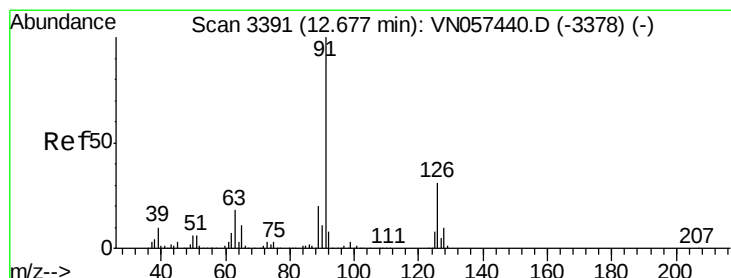
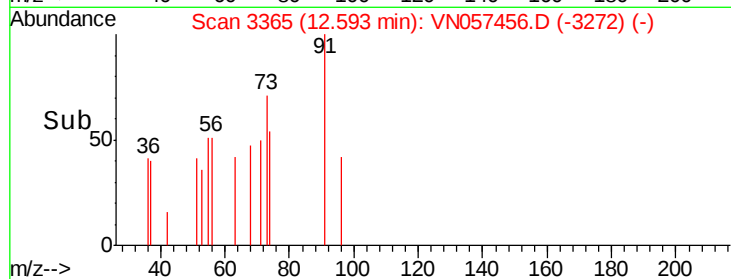
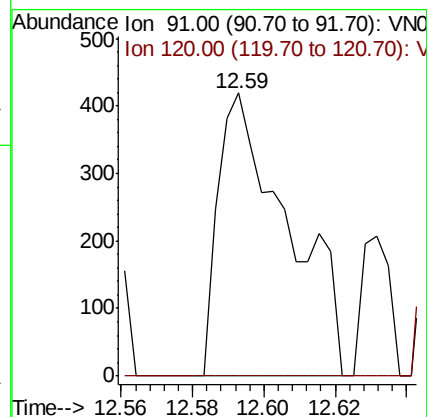
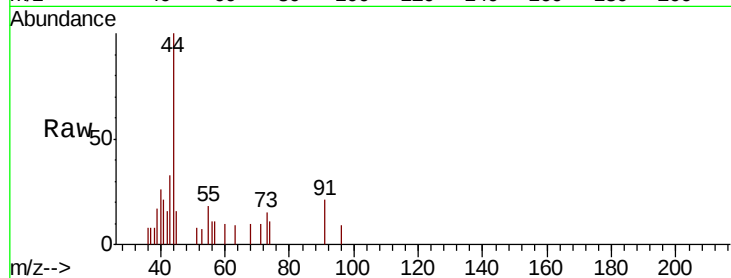
NB-08-082019

Tgt Ion: 91 Resp: 562

Ion Ratio Lower Upper

91 100

120 0.0 10.7 32.1#



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.69 min Scan# 3394

Delta R.T. 0.01 min

Lab File: VN057456.D

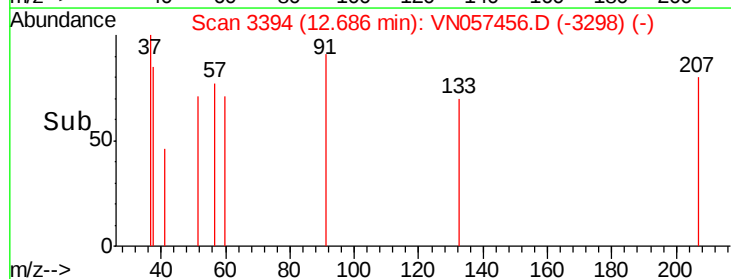
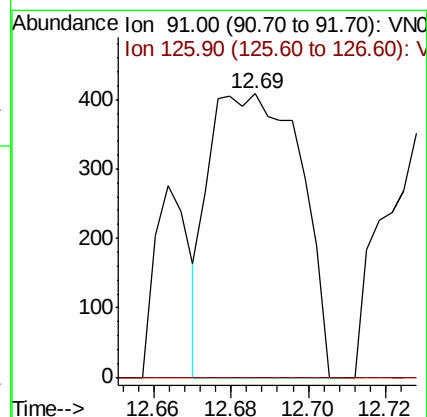
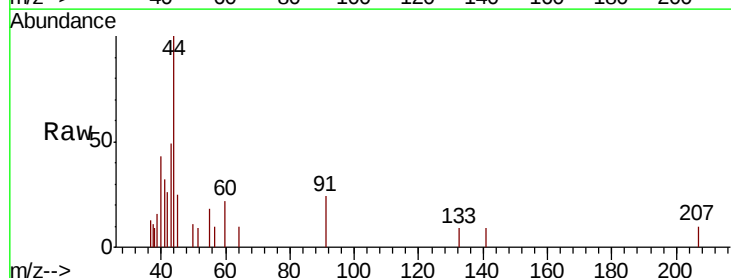
Acq: 23 Aug 2019 1:31

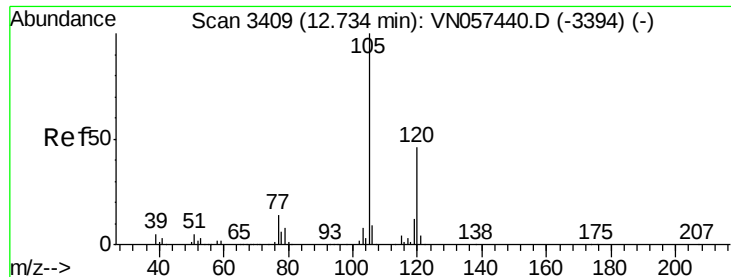
Tgt Ion: 91 Resp: 669

Ion Ratio Lower Upper

91 100

126 0.0 15.3 45.8#

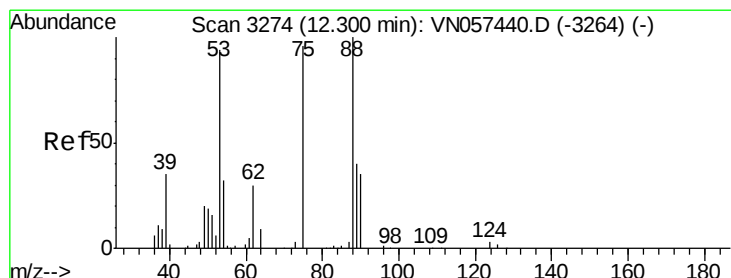
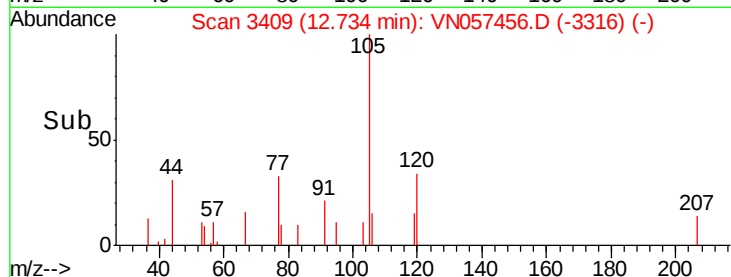
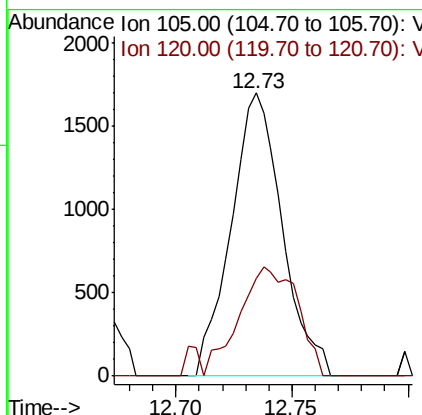
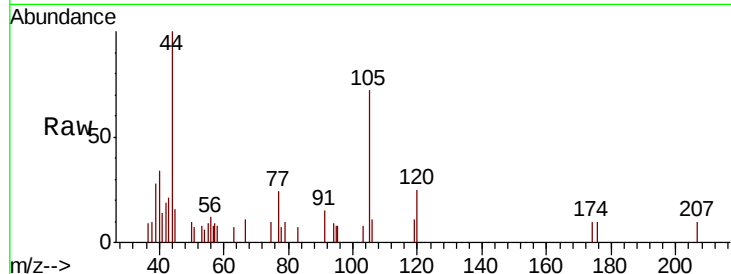




#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN057456.D
 Acq: 23 Aug 2019 1:31

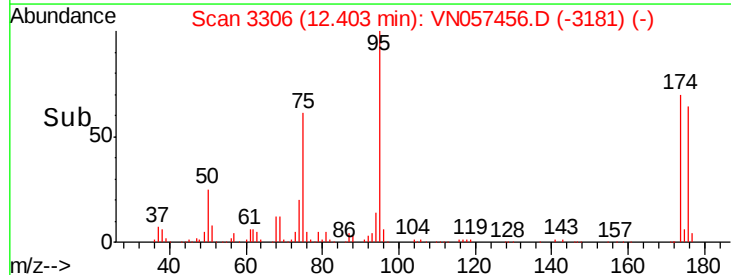
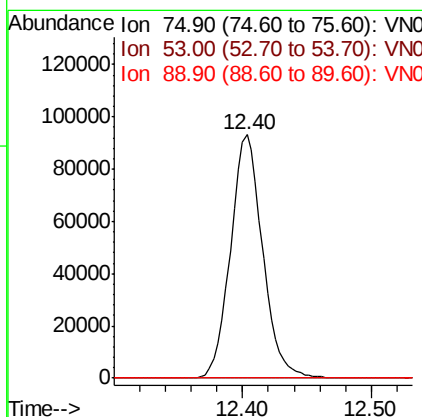
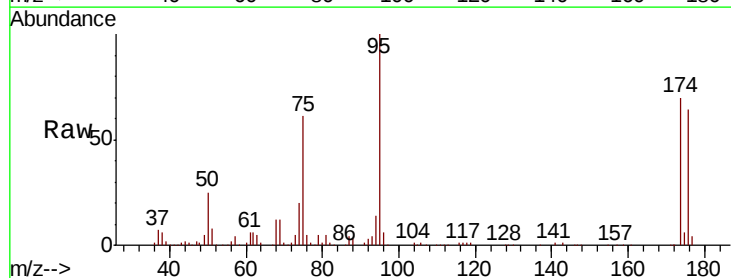
Instrument :
 MSVOA_N
 ClientSampleId :
 NB-08-082019

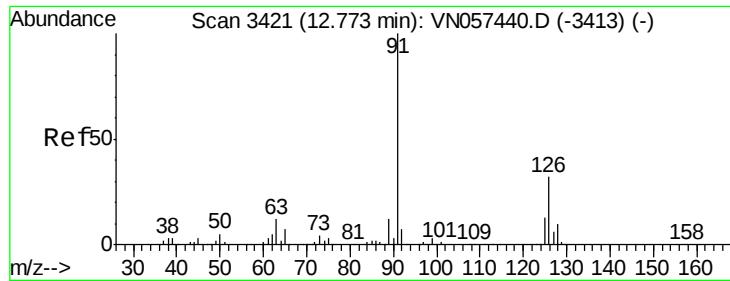
Tgt Ion: 105 Resp: 2607
 Ion Ratio Lower Upper
 105 100
 120 44.0 23.3 69.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 112.361 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN057456.D
 Acq: 23 Aug 2019 1:31

Tgt Ion: 75 Resp: 160812
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.7 124.1#
 89 0.0 35.8 53.8#





#82

4-Chlorotoluene

Concen: Below Cal

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN057456.D

Acq: 23 Aug 2019 1:31

Instrument :

MSVOA_N

ClientSampled :

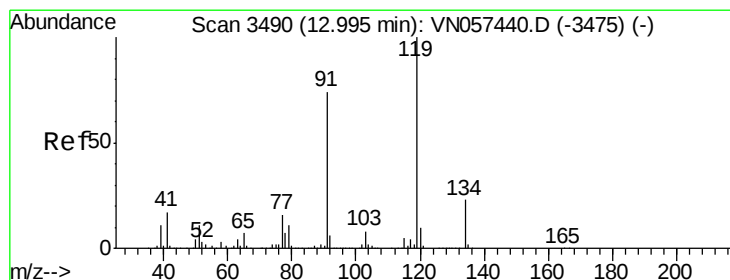
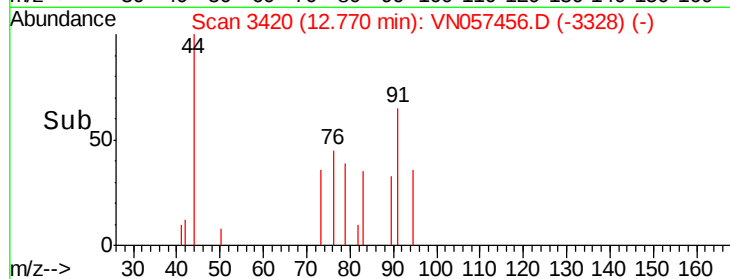
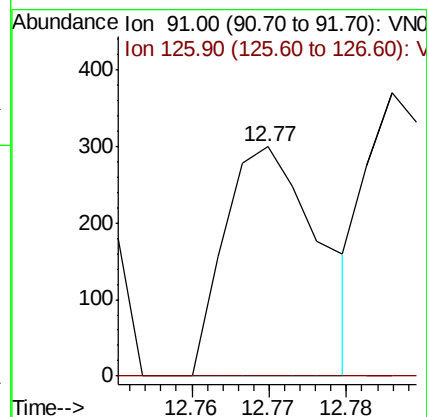
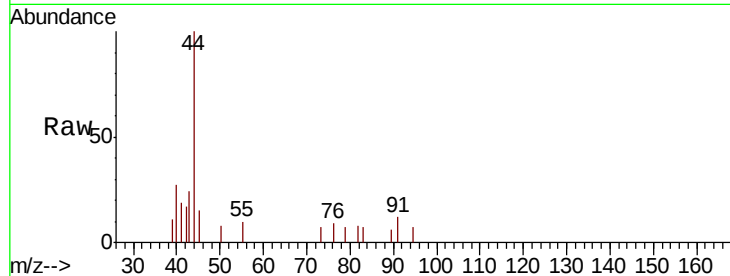
NB-08-082019

Tgt Ion: 91 Resp: 253

Ion Ratio Lower Upper

91 100

126 0.0 15.0 45.0#



#83

tert-Butylbenzene

Concen: Below Cal

RT: 13.00 min Scan# 3492

Delta R.T. 0.01 min

Lab File: VN057456.D

Acq: 23 Aug 2019 1:31

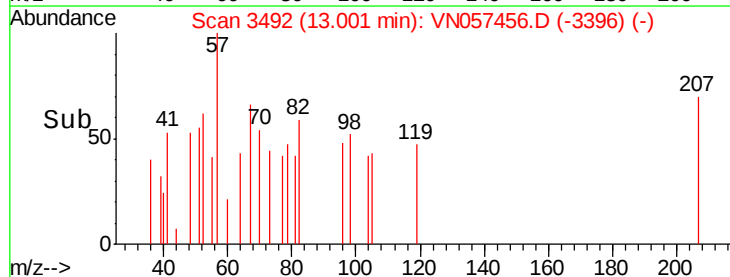
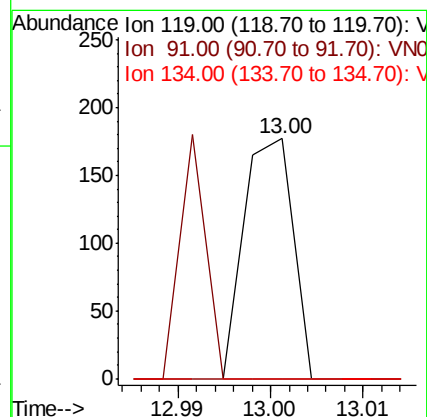
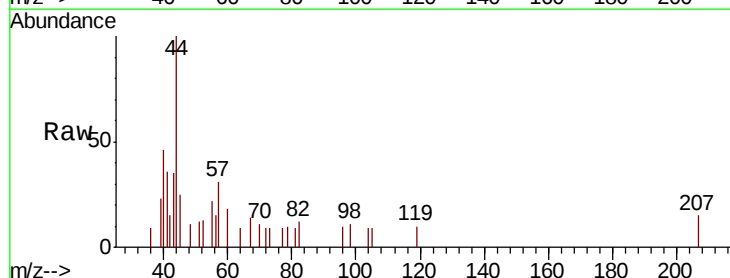
Tgt Ion: 119 Resp: 66

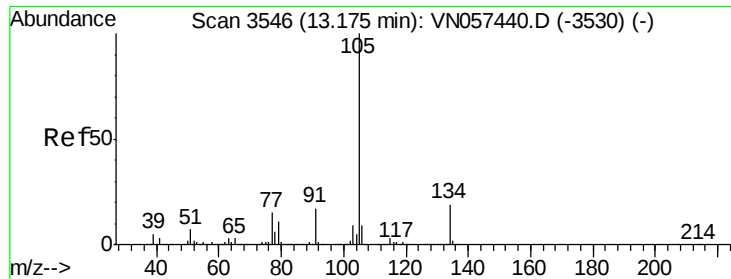
Ion Ratio Lower Upper

119 100

91 53.0 37.0 111.0

134 0.0 12.2 36.6#

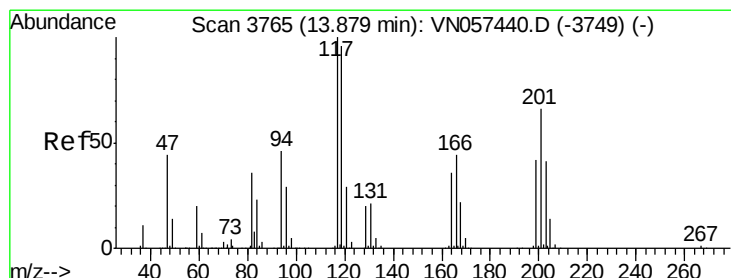
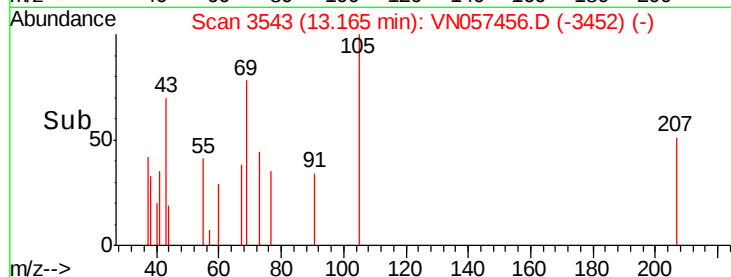
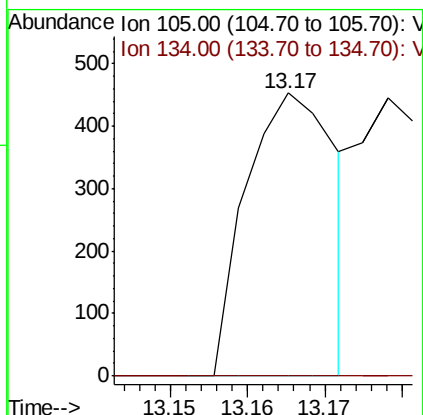
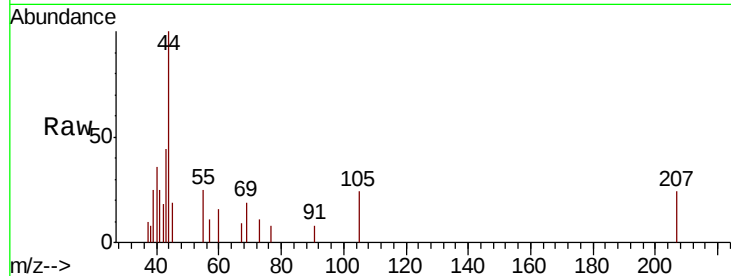




#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 13.17 min Scan# 3543
 Delta R.T. -0.01 min
 Lab File: VN057456.D
 Acq: 23 Aug 2019 1:31

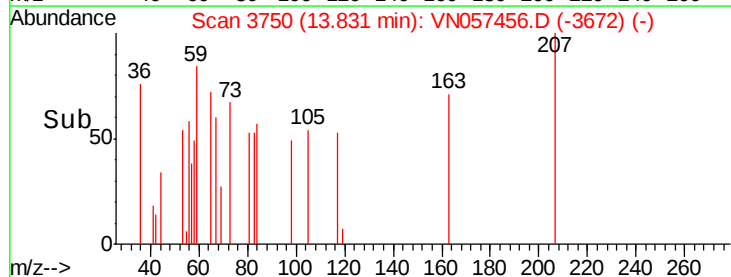
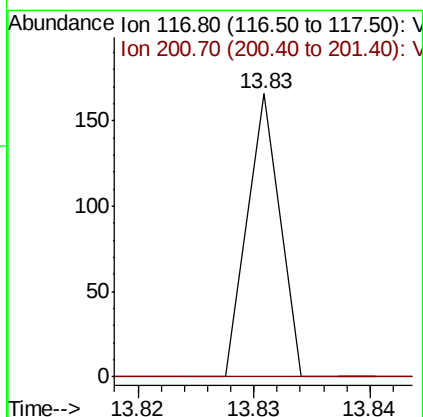
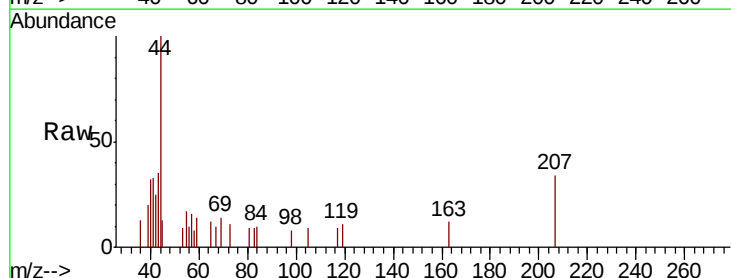
Instrument :
 MSVOA_N
 ClientSampled :
 NB-08-082019

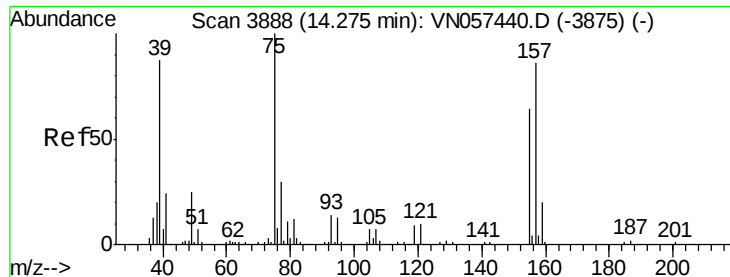
Tgt Ion:105 Resp: 365
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.3 27.9#



#90
 Hexachloroethane
 Concen: Below Cal
 RT: 13.83 min Scan# 3750
 Delta R.T. -0.05 min
 Lab File: VN057456.D
 Acq: 23 Aug 2019 1:31

Tgt Ion:117 Resp: 32
 Ion Ratio Lower Upper
 117 100
 201 0.0 33.1 99.3#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.27 min Scan# 3886

Delta R.T. -0.01 min

Lab File: VN057456.D

Acq: 23 Aug 2019 1:31

Instrument :

MSVOA_N

ClientSampleId :

NB-08-082019

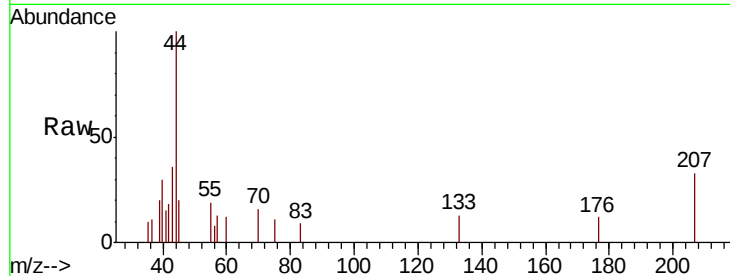
Tgt Ion: 75 Resp: 115

Ion Ratio Lower Upper

75 100

155 0.0 31.6 94.7#

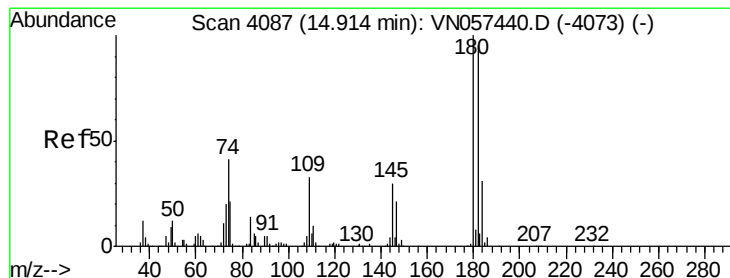
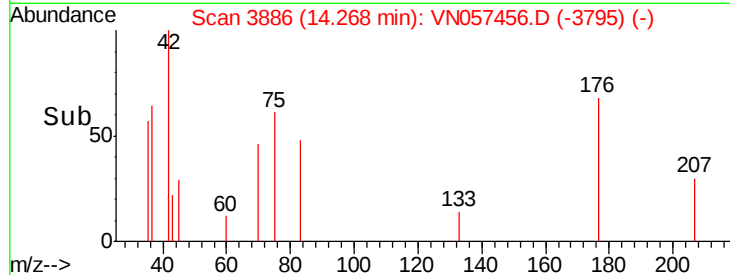
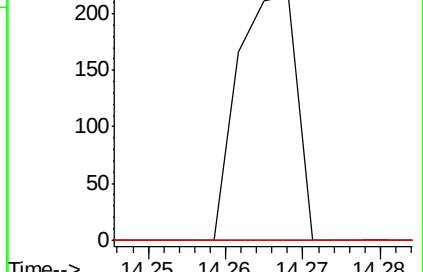
157 0.0 43.3 129.8#



Abundance Ion 74.90 (74.60 to 75.60): VN057440.D (-3875) (-)

Ion 154.80 (154.50 to 155.50): VN057440.D (-3875) (-)

Ion 156.80 (156.50 to 157.50): VN057440.D (-3875) (-)



#93

1,2,4-Trichlorobenzene

Concen: 5.460 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.00 min

Lab File: VN057456.D

Acq: 23 Aug 2019 1:31

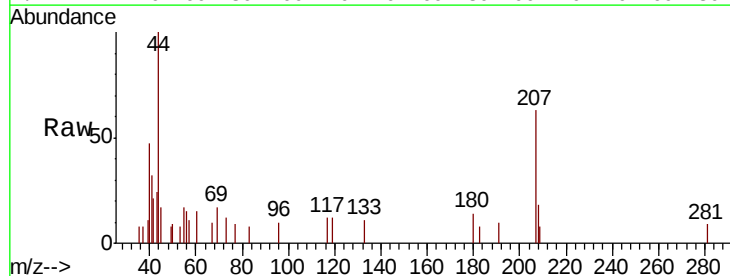
Tgt Ion: 180 Resp: 202

Ion Ratio Lower Upper

180 100

182 65.8 46.7 140.1

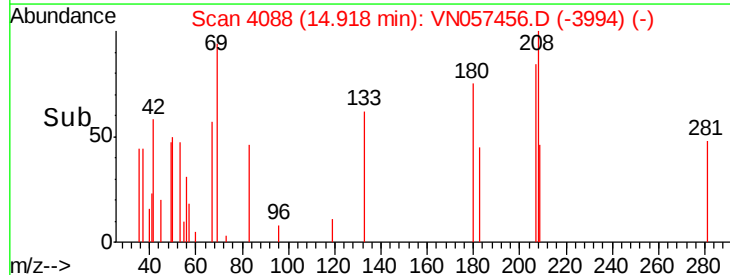
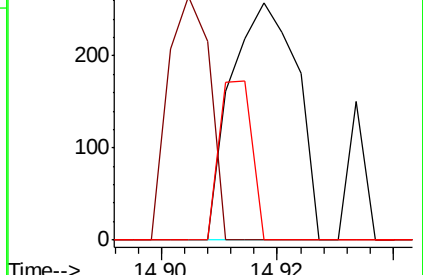
145 33.2 15.6 46.8

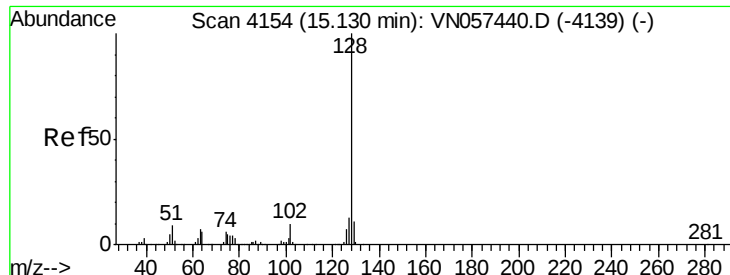


Abundance Ion 179.80 (179.50 to 180.50): VN057440.D (-4073) (-)

Ion 181.80 (181.50 to 182.50): VN057440.D (-4073) (-)

Ion 144.80 (144.50 to 145.50): VN057440.D (-4073) (-)





#95

Naphthalene

Concen: 4.540 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN057456.D

Acq: 23 Aug 2019 1:31

Instrument :

MSVOA_N

ClientSampled :

NB-08-082019

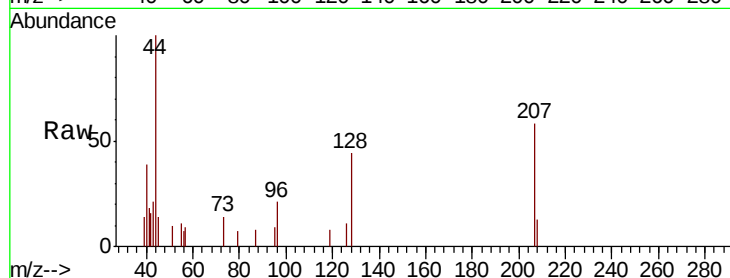
Tgt Ion:128 Resp: 1438

Ion Ratio Lower Upper

128 100

127 7.9 10.5 15.7#

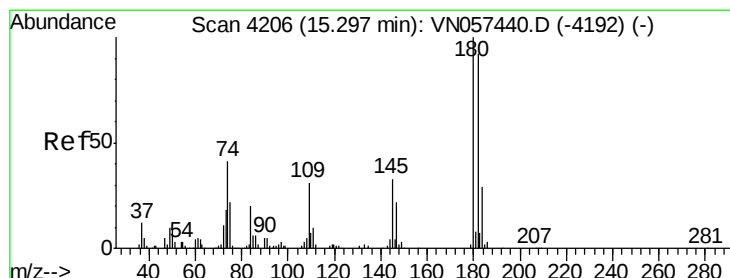
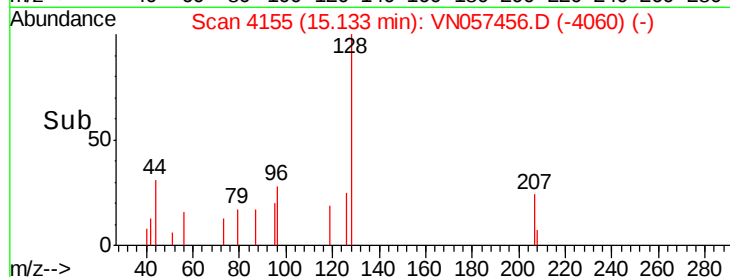
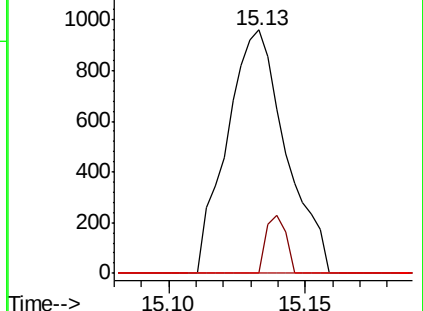
129 0.0 8.6 13.0#



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



#96

1,2,3-Trichlorobenzene

Concen: 5.247 ug/l

RT: 15.29 min Scan# 4204

Delta R.T. -0.01 min

Lab File: VN057456.D

Acq: 23 Aug 2019 1:31

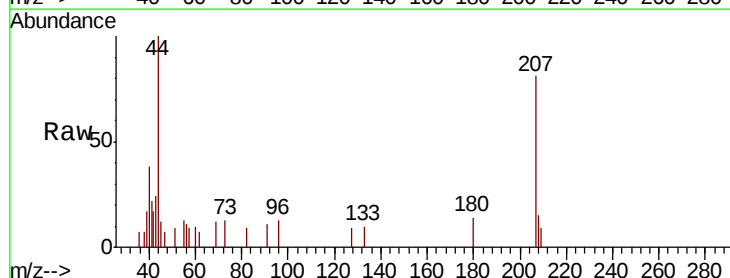
Tgt Ion:180 Resp: 301

Ion Ratio Lower Upper

180 100

182 35.5 46.7 140.1#

145 0.0 16.8 50.3#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

