

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031119\
 Data File : VN054148.D
 Acq On : 11 Mar 2019 18:25
 Operator : JC/SP
 Sample : K1689-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 NB-07-030819

Quant Time: Mar 12 03:24:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031119W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 12 00:55:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1458837	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2504766	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2573481	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1079099	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	822118	52.70	ug/l	0.00
Spiked Amount			Recovery	=	105.40%	
35) Dibromofluoromethane	7.59	113	779382	48.23	ug/l	0.00
Spiked Amount			Recovery	=	96.46%	
50) Toluene-d8	10.09	98	3116589	52.35	ug/l	0.00
Spiked Amount			Recovery	=	104.70%	
62) 4-Bromofluorobenzene	12.40	95	1177815	56.51	ug/l	0.00
Spiked Amount			Recovery	=	113.02%	

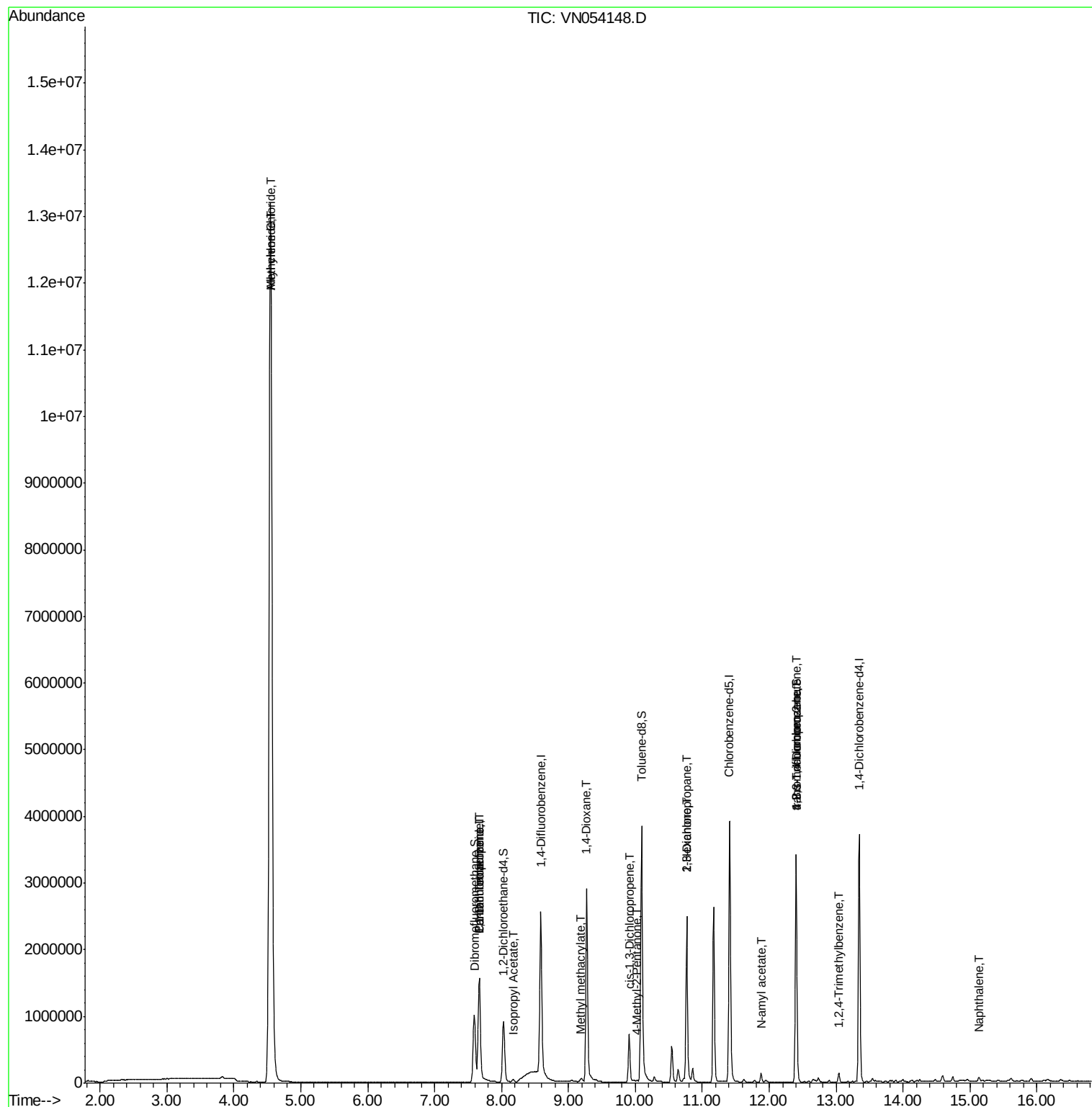
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	4.55	41	303253	15.135	ug/l #	27
16) Acetone	3.82	43	40159	Below Cal		99
20) Methylene Chloride	4.55	84	10642971	758.523	ug/l	91
36) 1,1-Dichloropropene	7.67	75	90353	4.145	ug/l #	49
38) Carbon Tetrachloride	7.67	117	128321	5.310	ug/l #	15
43) Isopropyl Acetate	8.17	43	50187	2.136	ug/l #	89
48) Methyl methacrylate	9.18	41	19872	1.573	ug/l #	13
49) 1,4-Dioxane	9.26	88	389	2.373	ug/l #	1
51) 4-Methyl-2-Pentanone	10.03	43	19288	1.530	ug/l #	37
54) cis-1,3-Dichloropropene	9.90	75	146942	5.709	ug/l #	60
57) 1,3-Dichloropropane	10.77	76	27894	1.140	ug/l #	44
59) 2-Hexanone	10.77	43	373485	44.650	ug/l #	52
74) N-amyl acetate	11.88	43	42205	2.159	ug/l #	52
76) 1,2,3-Trichloropropane	12.40	75	570868	37.462	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	570868	111.513	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.04	105	83429	1.198	ug/l	98
95) Naphthalene	15.13	128	59273	1.469	ug/l	99

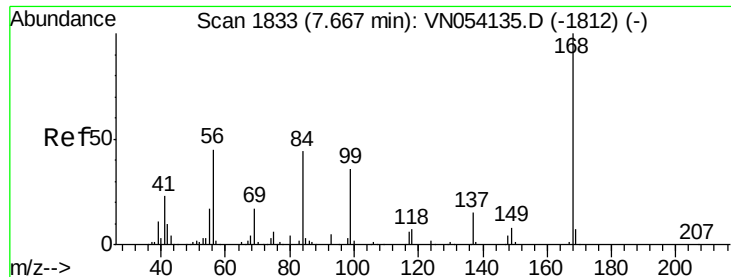
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054148.D

Acq: 11 Mar 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

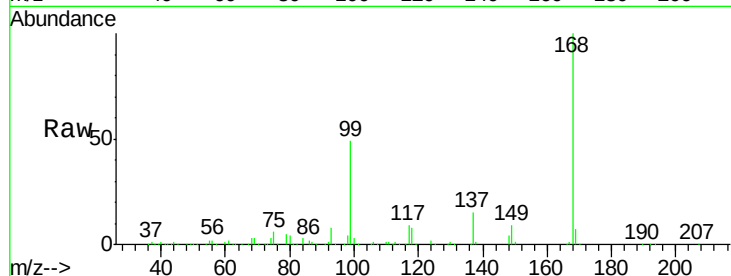
NB-07-030819

Tot Ion:168 Resp: 1458837

Ion Ratio Lower Upper

168 100

99 48.7 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

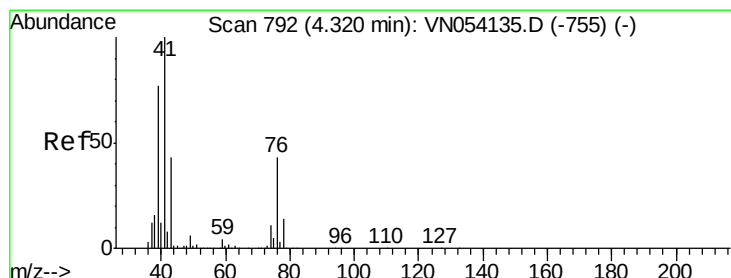
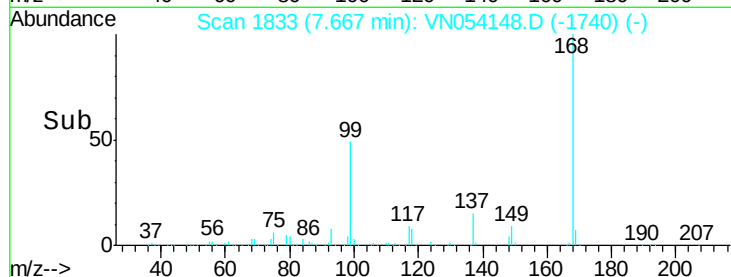
600000

400000

200000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#14

Allyl chloride

Concen: 15.135 ug/l

RT: 4.55 min Scan# 863

Delta R.T. 0.23 min

Lab File: VN054148.D

Acq: 11 Mar 2019 18:25

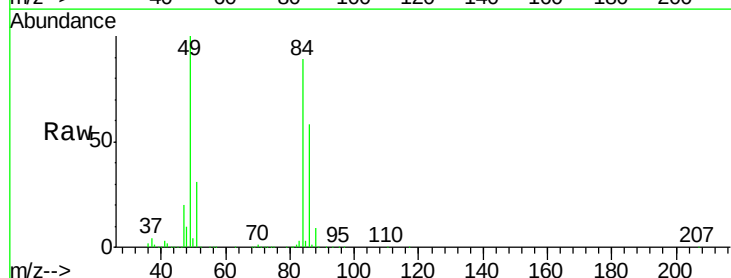
Tgt Ion: 41 Resp: 303253

Ion Ratio Lower Upper

41 100

39 0.1 49.3 73.9#

76 0.0 26.5 39.7#



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO

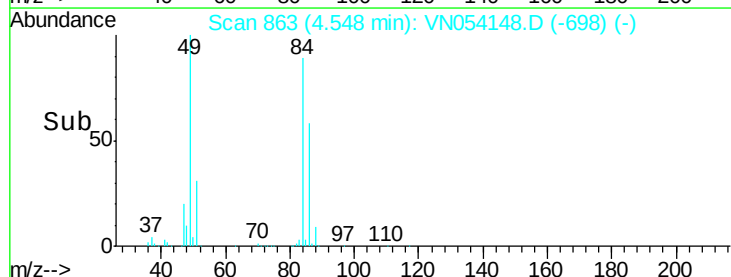
4.55

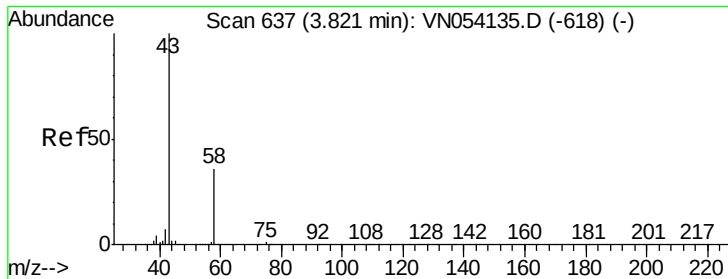
100000

50000

0

Time--> 4.40 4.50 4.60

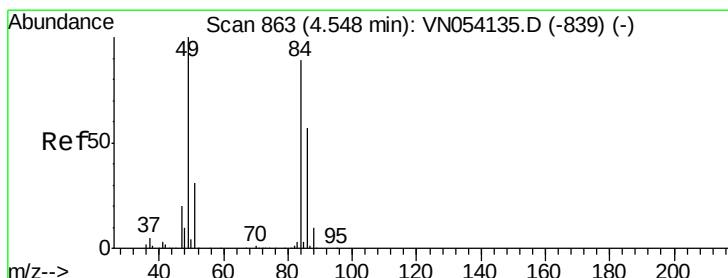
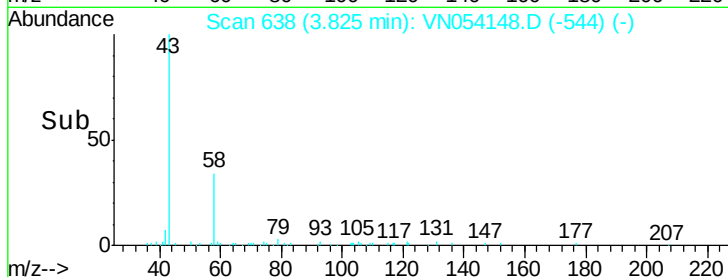
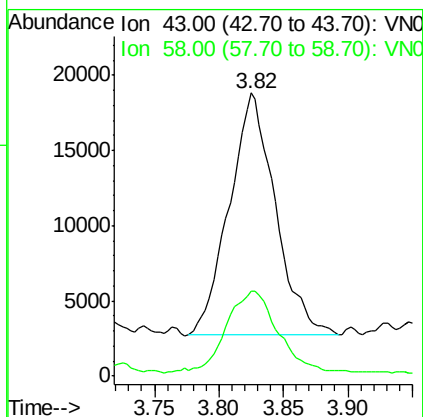
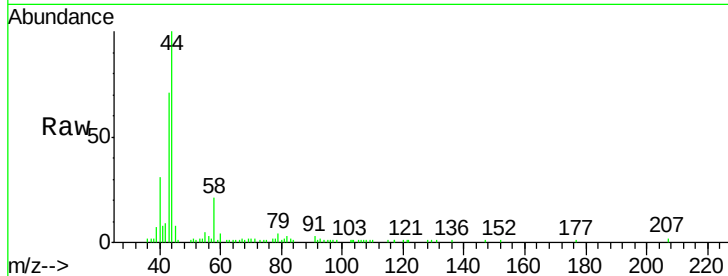




#16
Acetone
Concen: Below Cal
RT: 3.82 min Scan# 638
Delta R.T. 0.00 min
Lab File: VN054148.D
Acq: 11 Mar 2019 18:25

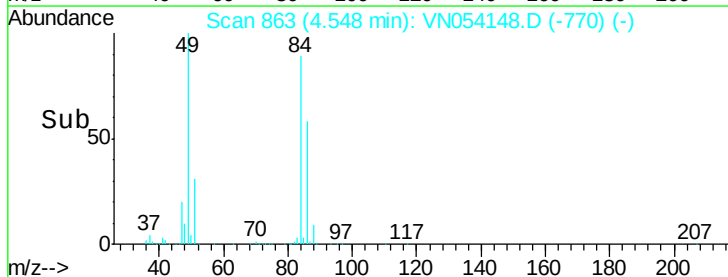
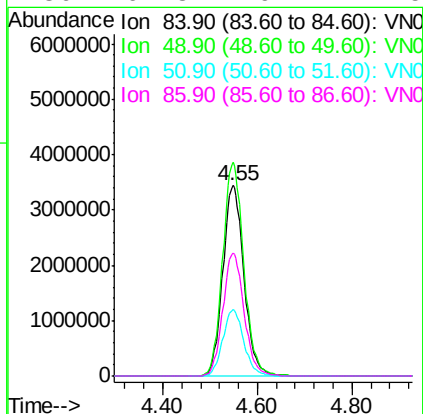
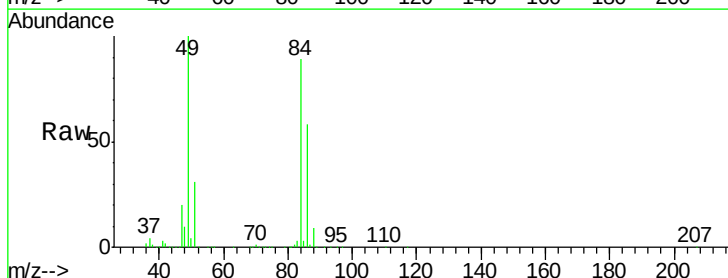
Instrument :
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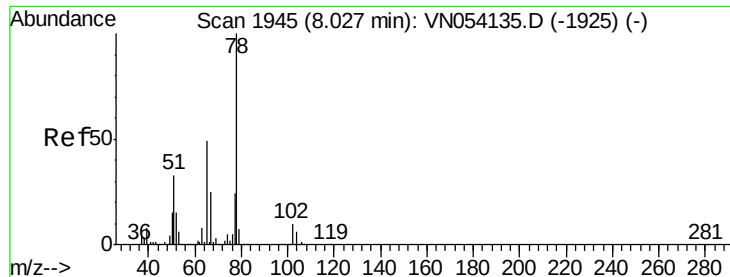
Tot Ion: 43 Resp: 40159
Ion Ratio Lower Upper
43 100
58 32.8 26.5 39.7



#20
Methylene Chloride
Concen: 758.523 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054148.D
Acq: 11 Mar 2019 18:25

Tgt Ion: 84 Resp:10642971
Ion Ratio Lower Upper
84 100
49 112.2 101.8 152.8
51 35.0 31.1 46.7
86 64.8 49.7 74.5

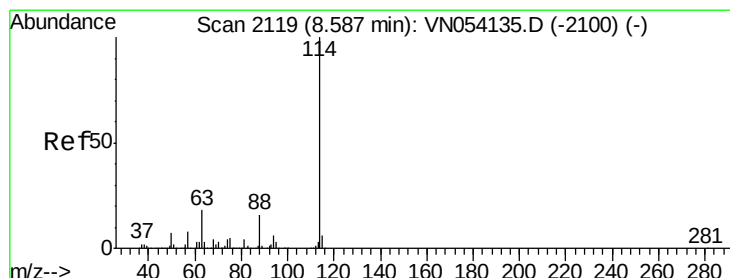
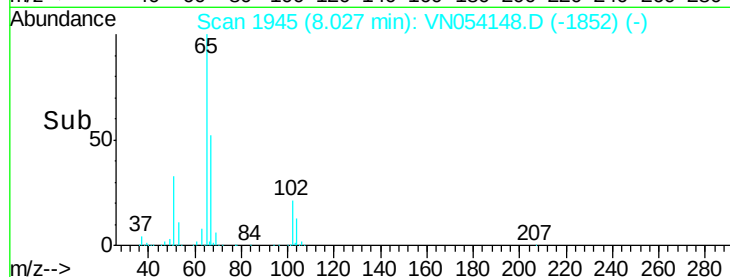
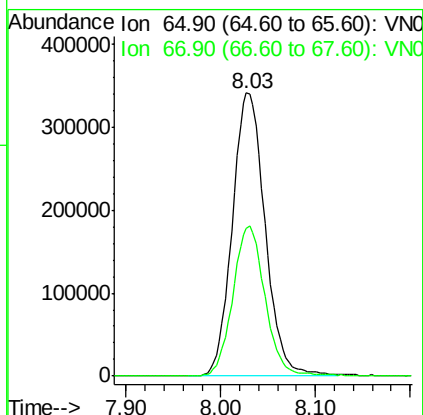
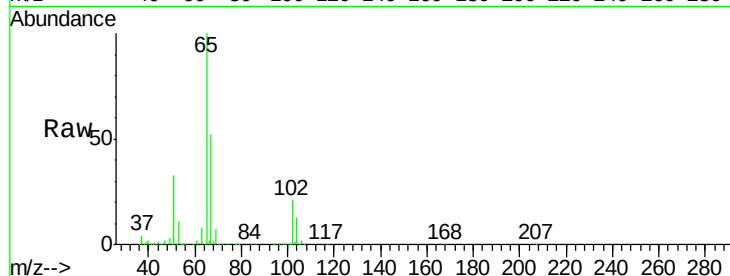




#33
 1,2-Dichloroethane-d4
 Concen: 52.696 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054148.D
 Acq: 11 Mar 2019 18:25

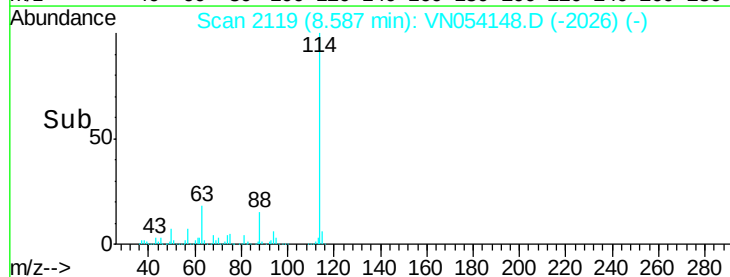
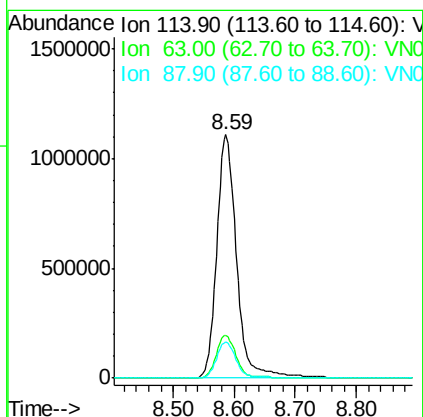
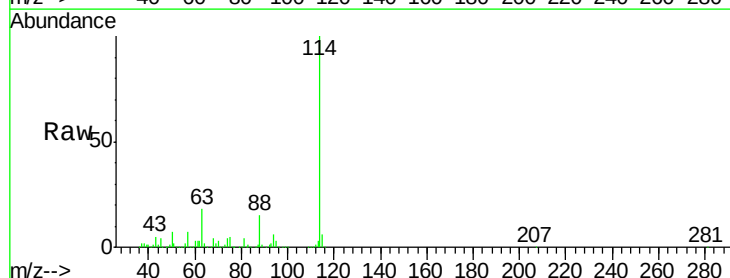
Instrument :
 MSVOA_N
 ClientSampleId :
 NB-07-030819

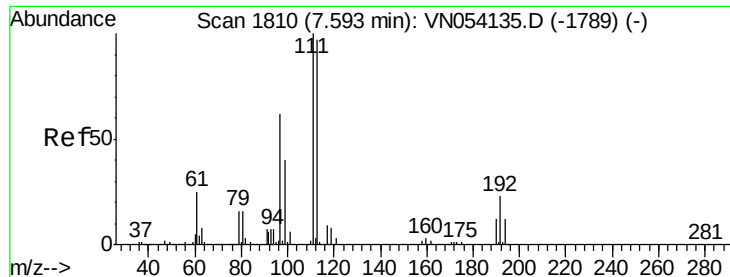
Tot Ion: 65 Resp: 822118
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054148.D
 Acq: 11 Mar 2019 18:25

Tgt Ion: 114 Resp: 2504766
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 42.6
 88 14.7 0.0 31.8

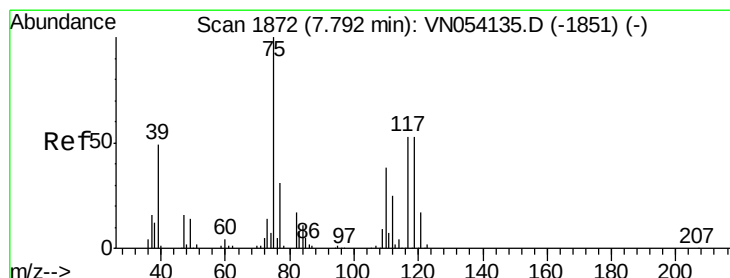
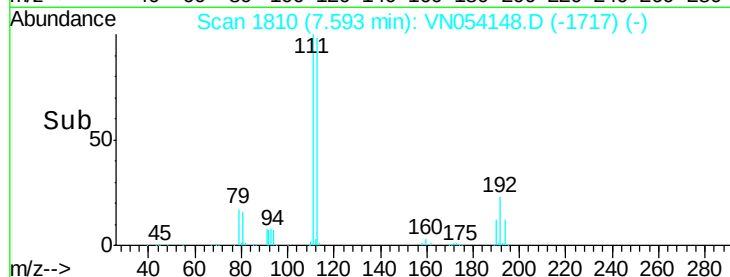
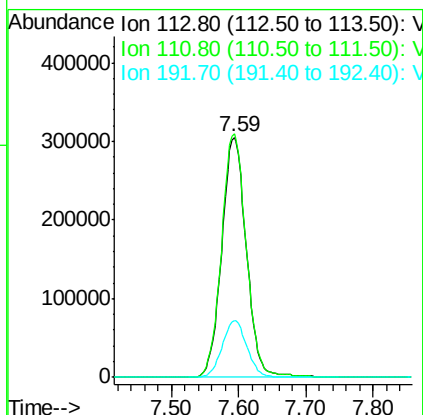
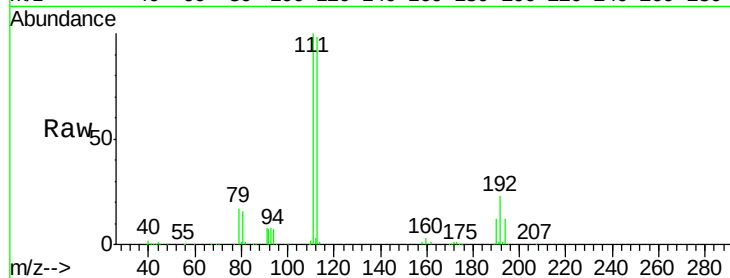




#35
 Dibromofluoromethane
 Concen: 48.228 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054148.D
 Acq: 11 Mar 2019 18:25

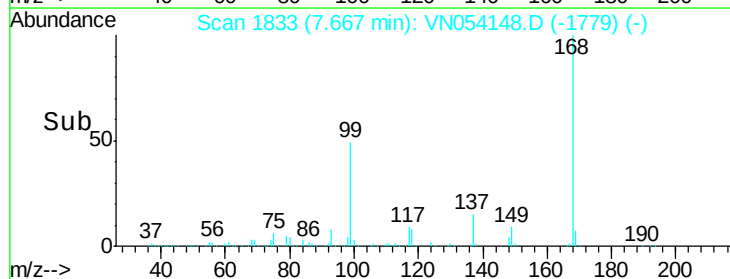
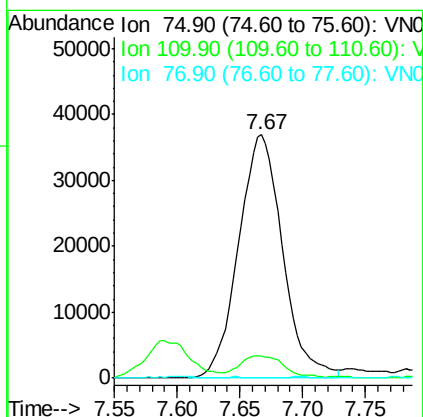
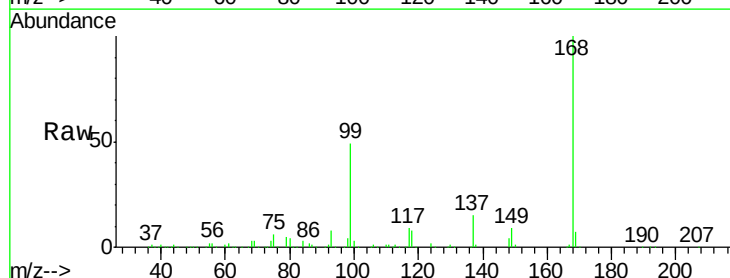
Instrument :
 MSVOA_N
 ClientSampleId :
 NB-07-030819

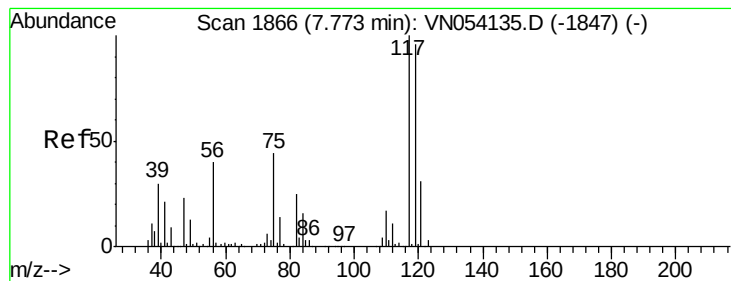
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.1	123.1
192	23.7	17.4	26.0



#36
 1,1-Dichloropropene
 Concen: 4.145 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN054148.D
 Acq: 11 Mar 2019 18:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	18.0	54.0#
77	0.1	25.3	37.9#





#38

Carbon Tetrachloride

Concen: 5.310 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN054148.D

Acq: 11 Mar 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

NB-07-030819

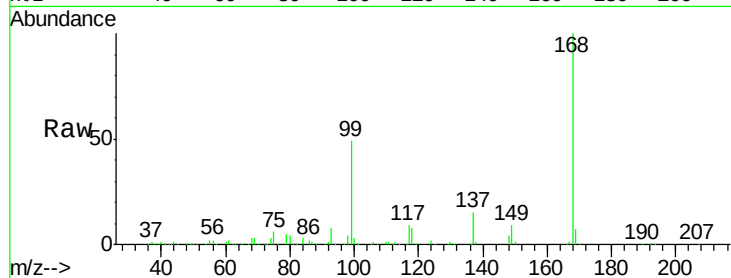
Tot Ion:117 Resp: 128321

Ion Ratio Lower Upper

117 100

119 4.7 77.0 115.6#

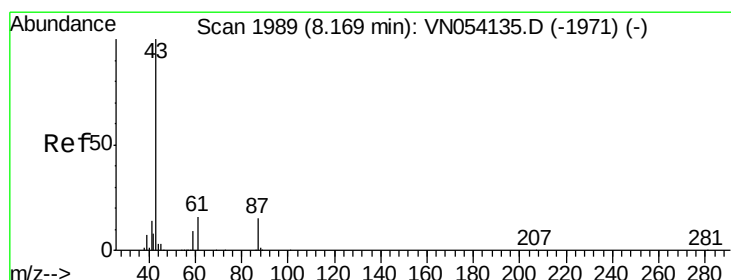
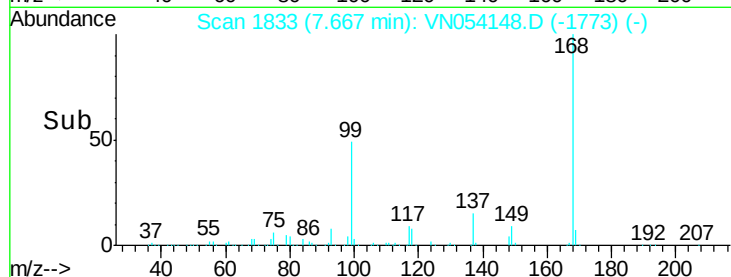
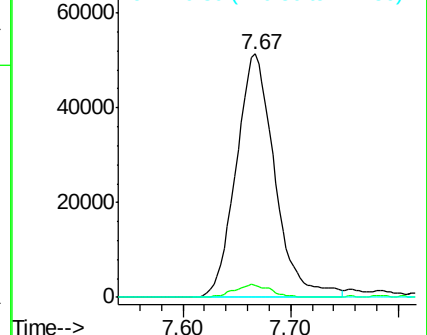
121 0.0 24.3 36.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 2.136 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054148.D

Acq: 11 Mar 2019 18:25

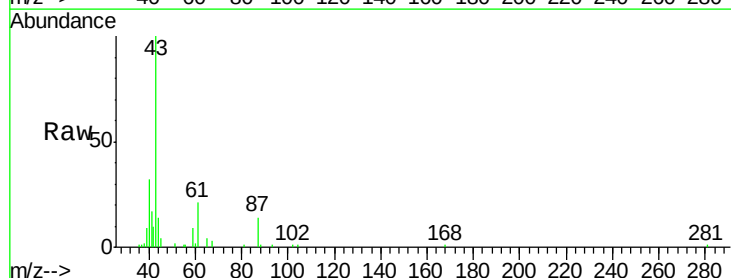
Tgt Ion: 43 Resp: 50187

Ion Ratio Lower Upper

43 100

61 21.3 22.5 33.7#

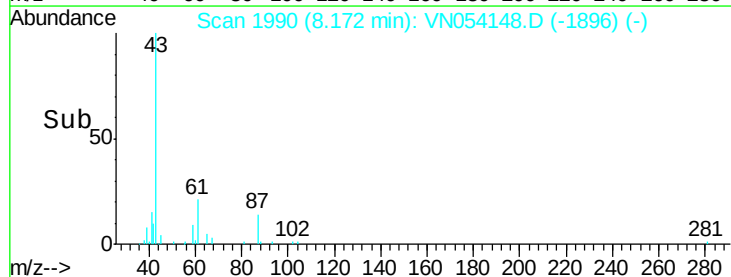
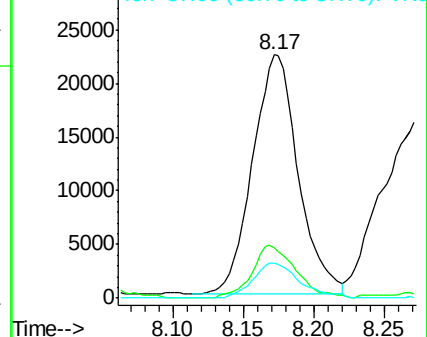
87 15.0 10.1 15.1

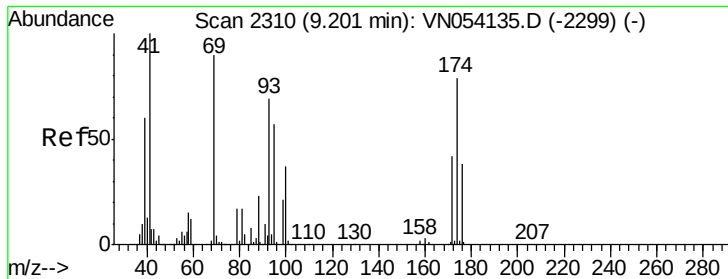


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#48

Methvl methacrylate

Concen: 1.573 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.02 min

Lab File: VN054148.D

Acq: 11 Mar 2019 18:25

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NB-07-030819

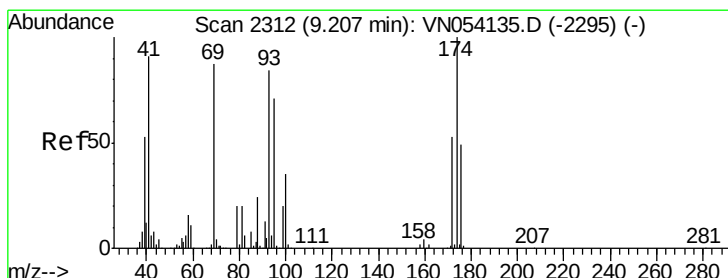
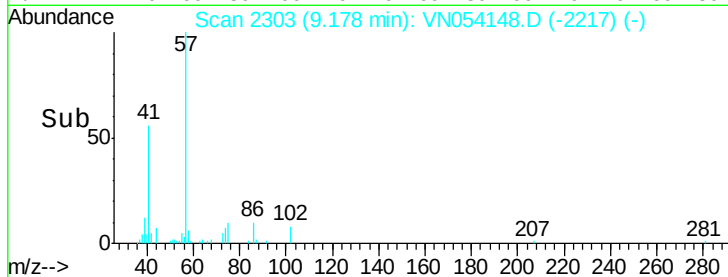
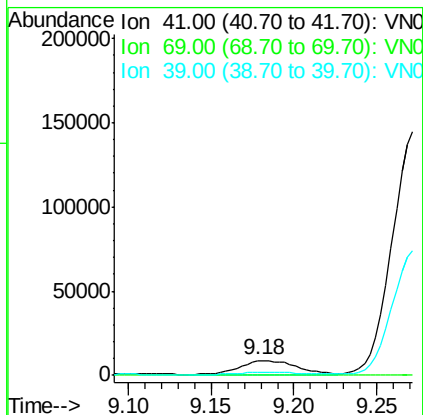
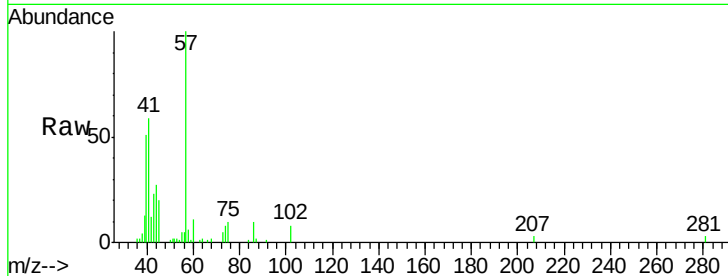
Tot Ion: 41 Resp: 19872

Ion Ratio Lower Upper

41 100

69 0.5 71.0 106.4#

39 0.0 43.7 65.5#



#49

1,4-Dioxane

Concen: 2.373 ug/l

RT: 9.26 min Scan# 2328

Delta R.T. 0.05 min

Lab File: VN054148.D

Acq: 11 Mar 2019 18:25

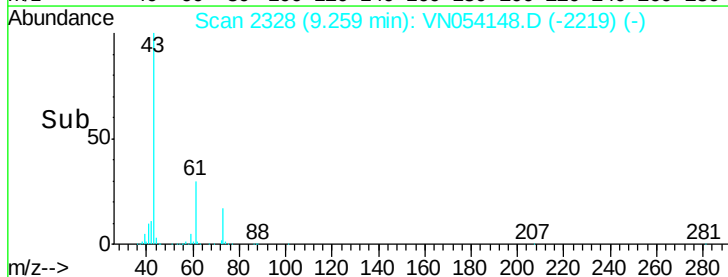
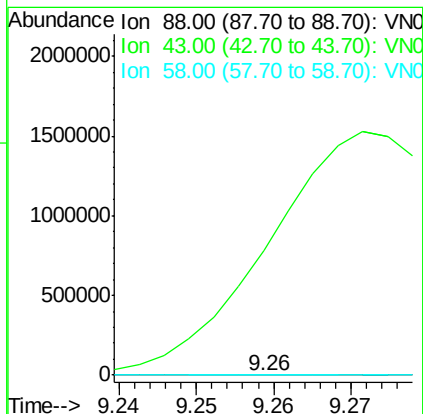
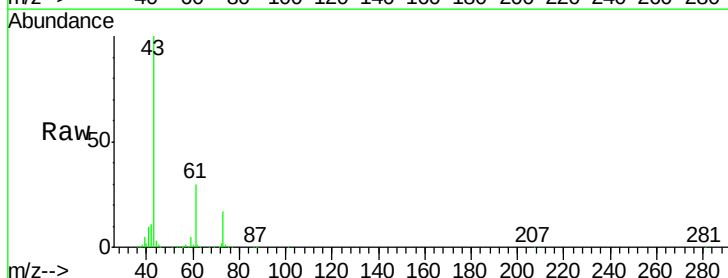
Tgt Ion: 88 Resp: 389

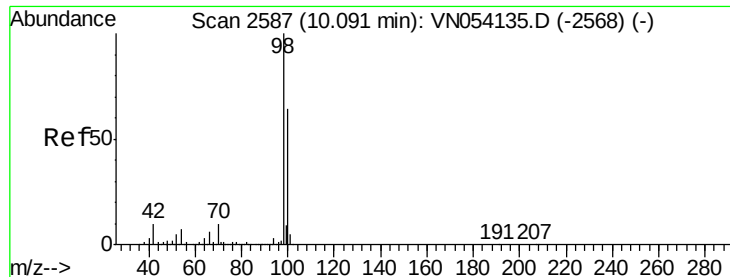
Ion Ratio Lower Upper

88 100

43 779871.5 25.5 38.3#

58 2883.0 58.3 87.5#





#50

Toluene-d8

Concen: 52.350 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054148.D

Acq: 11 Mar 2019 18:25

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ClientSampleId :

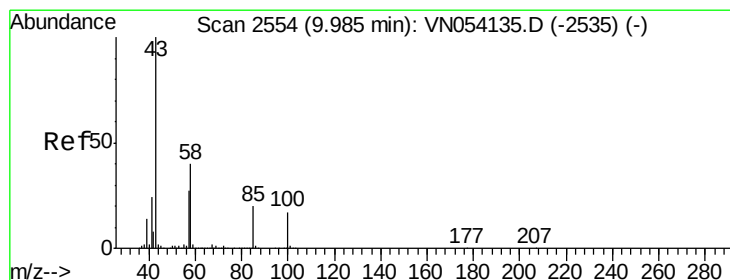
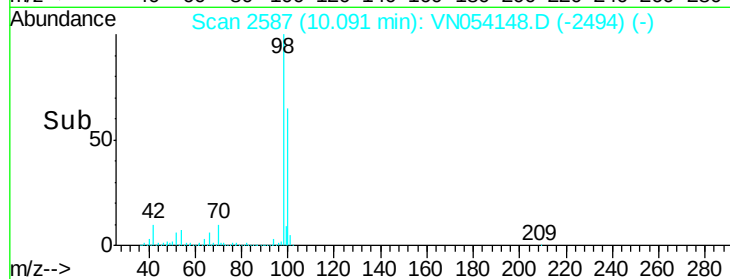
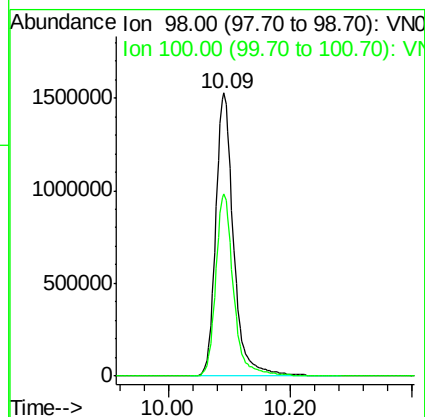
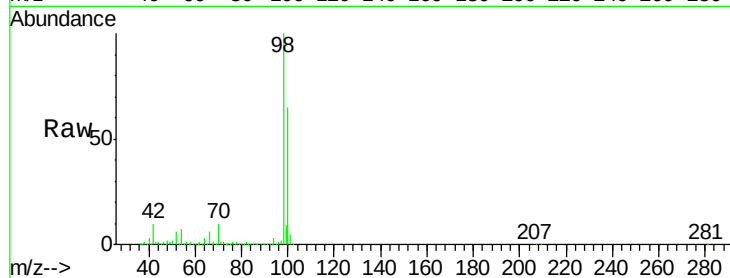
NB-07-030819

Tot Ion: 98 Resp: 3116589

Ion Ratio Lower Upper

98 100

100 64.5 51.7 77.5



#51

4-Methyl-2-Pentanone

Concen: 1.530 ug/l

RT: 10.03 min Scan# 2567

Delta R.T. 0.04 min

Lab File: VN054148.D

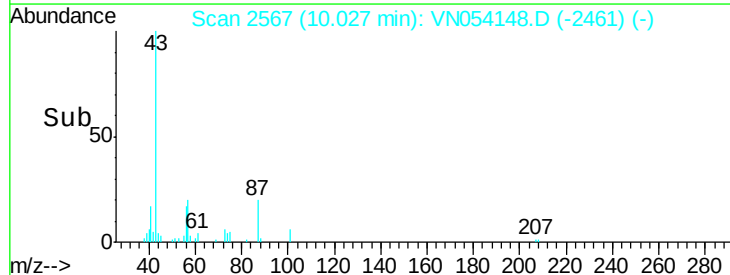
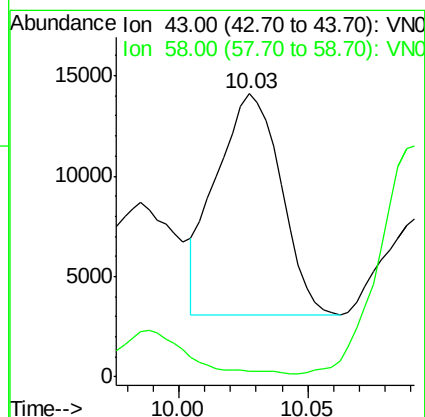
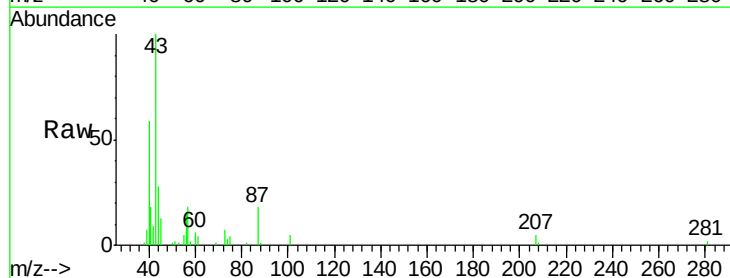
Acq: 11 Mar 2019 18:25

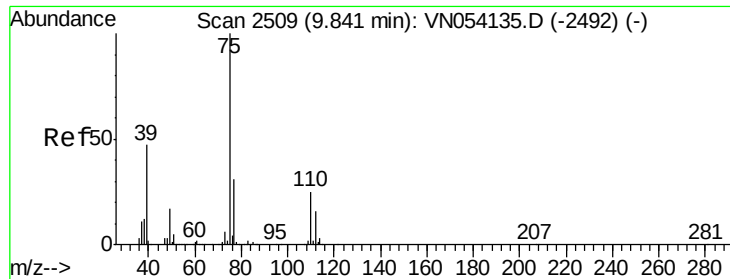
Tgt Ion: 43 Resp: 19288

Ion Ratio Lower Upper

43 100

58 0.0 30.8 46.2#





#54

cis-1,3-Dichloropropene

Concen: 5.709 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN054148.D

Acq: 11 Mar 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

NB-07-030819

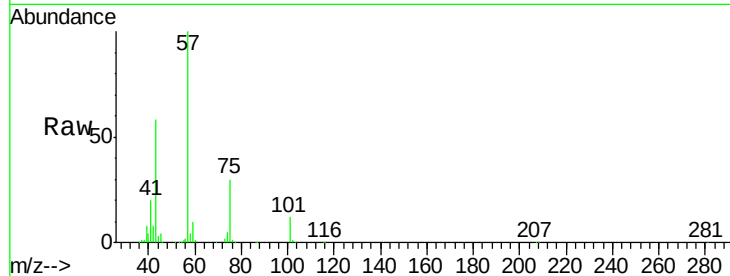
Tot Ion: 75 Resp: 146942

Ion Ratio Lower Upper

75 100

77 0.6 25.4 38.0#

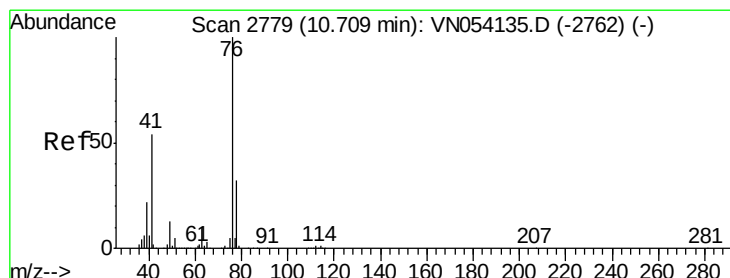
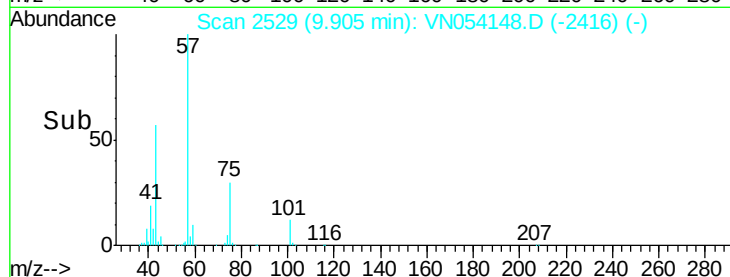
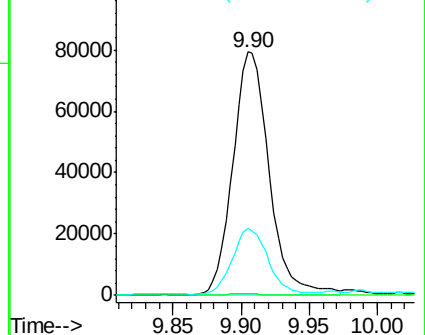
39 26.8 36.2 54.2#



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: 1.140 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.06 min

Lab File: VN054148.D

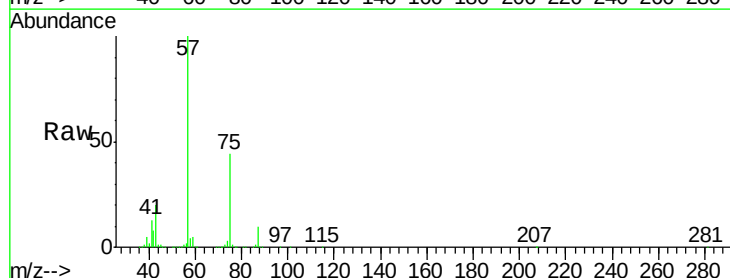
Acq: 11 Mar 2019 18:25

Tgt Ion: 76 Resp: 27894

Ion Ratio Lower Upper

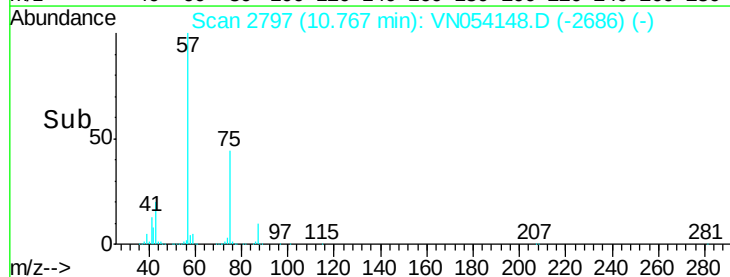
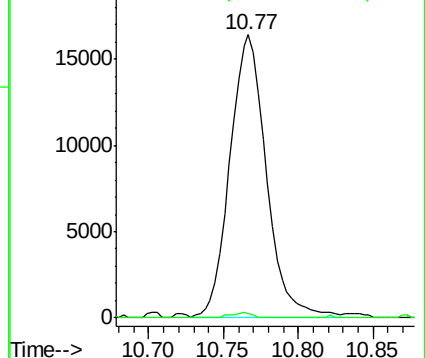
76 100

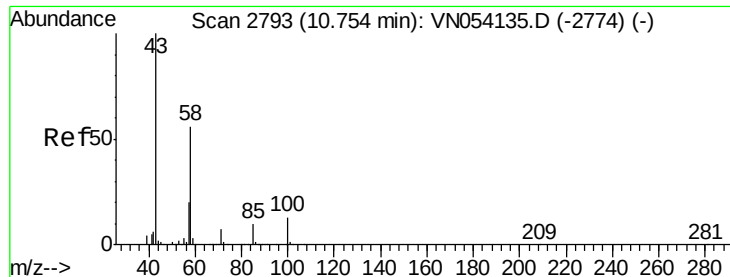
78 1.1 25.9 38.9#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

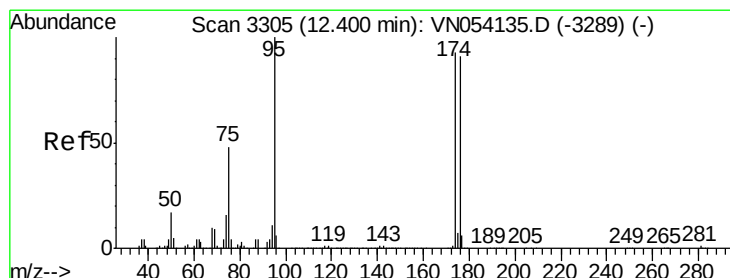
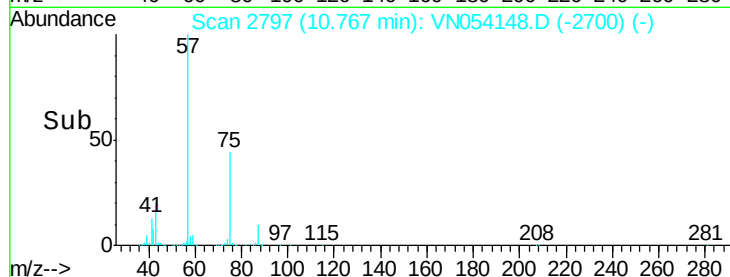
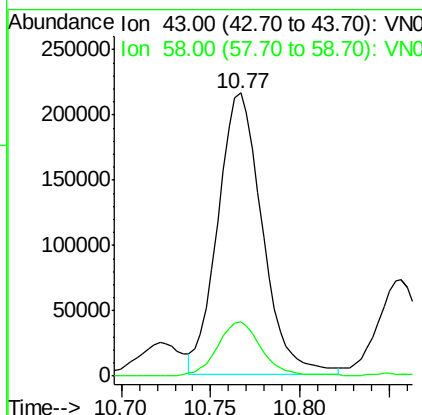
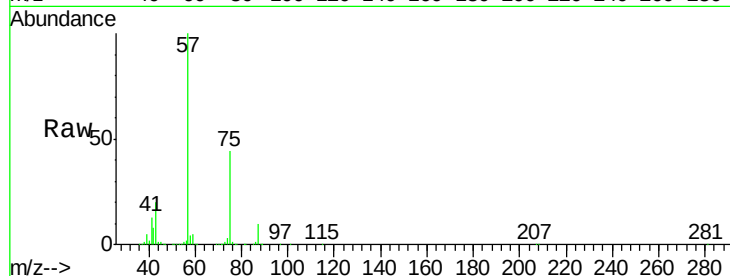




#59
2-Hexanone
Concen: 44.650 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.01 min
Lab File: VN054148.D
Acq: 11 Mar 2019 18:25

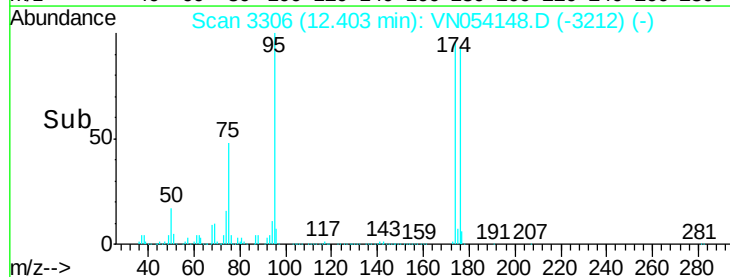
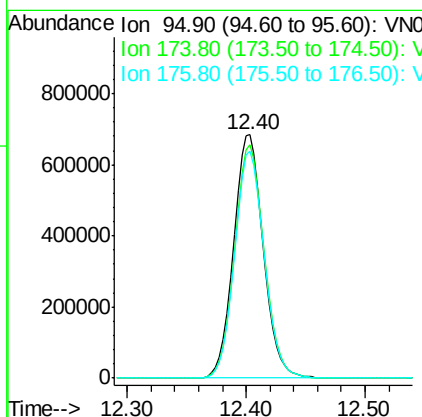
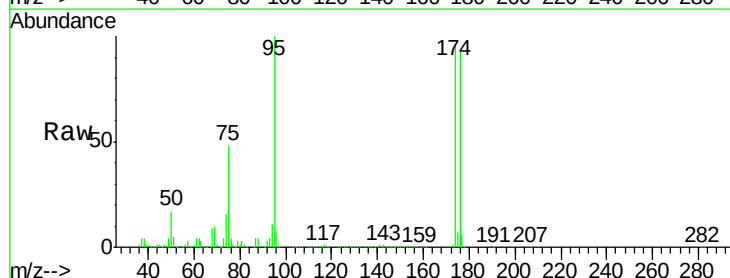
Instrument :
MSVOA_N
ClientSampleId :
NB-07-030819

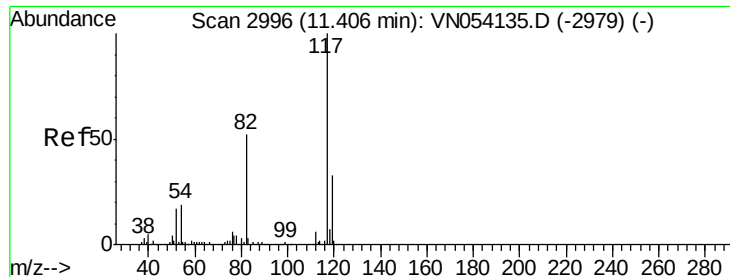
Tot Ion: 43 Resp: 373485
Ion Ratio Lower Upper
43 100
58 19.5 27.0 81.0#



#62
4-Bromofluorobenzene
Concen: 56.510 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN054148.D
Acq: 11 Mar 2019 18:25

Tgt Ion: 95 Resp: 1177815
Ion Ratio Lower Upper
95 100
174 95.8 0.0 173.2
176 93.2 0.0 168.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN054148.D

Acq: 11 Mar 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

NB-07-030819

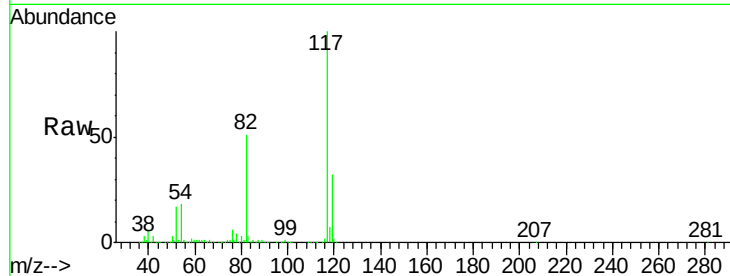
Tot Ion:117 Resp: 2573481

Ion Ratio Lower Upper

117 100

82 50.5 43.4 65.2

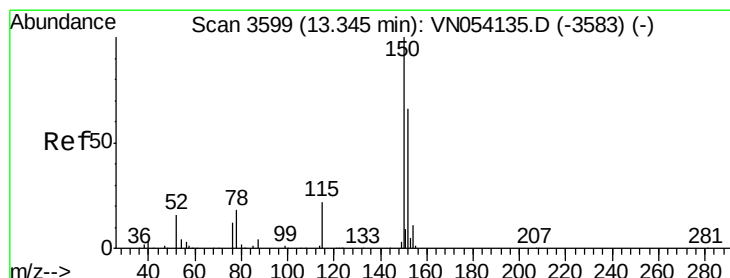
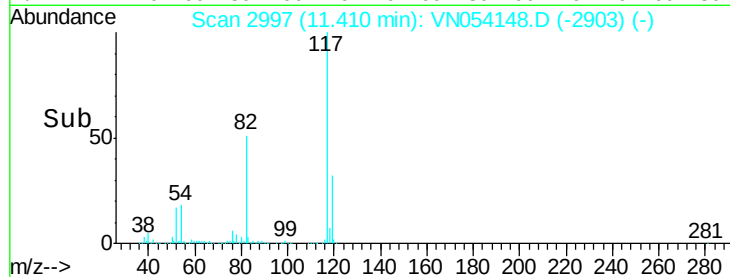
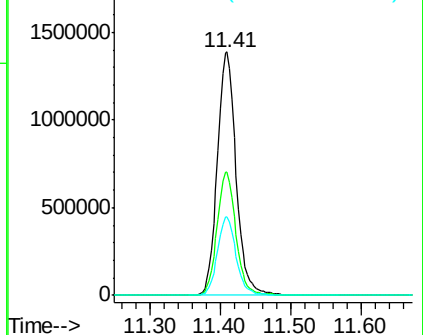
119 32.5 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054148.D

Acq: 11 Mar 2019 18:25

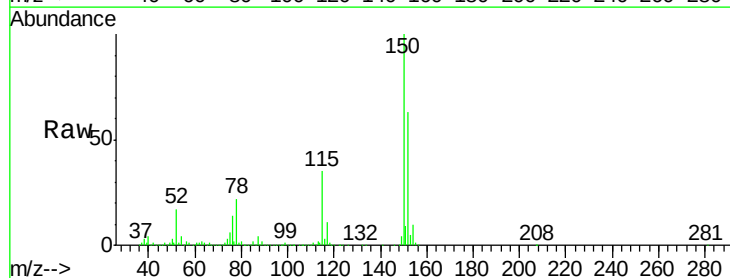
Tgt Ion:152 Resp: 1079099

Ion Ratio Lower Upper

152 100

115 55.8 28.5 85.6

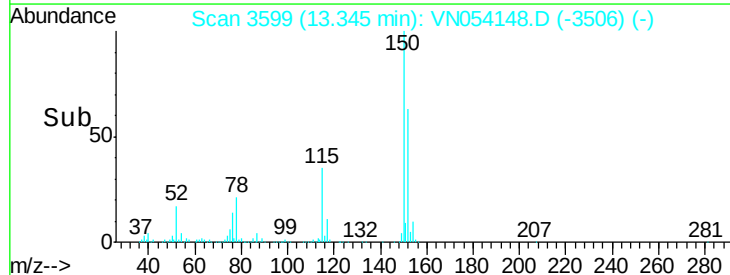
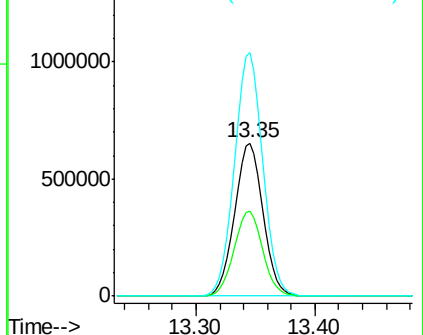
150 158.7 0.0 343.2

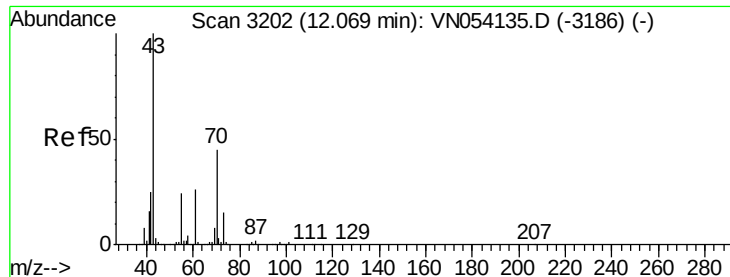


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

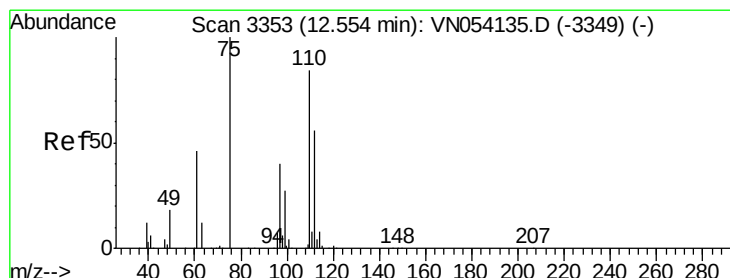
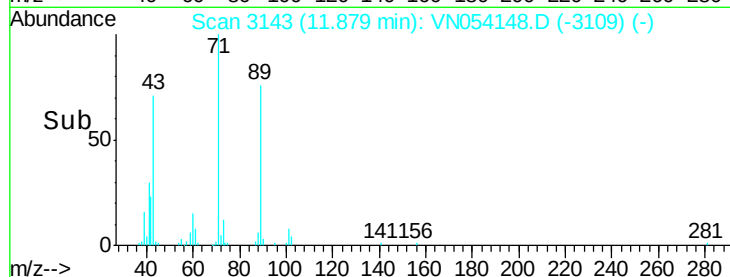
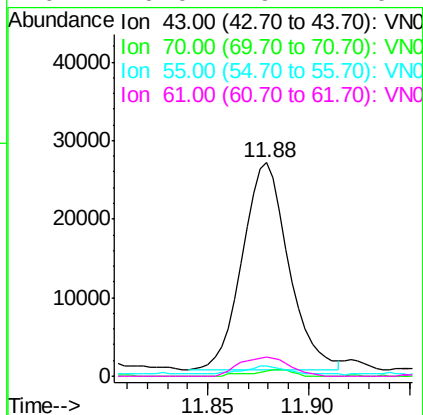
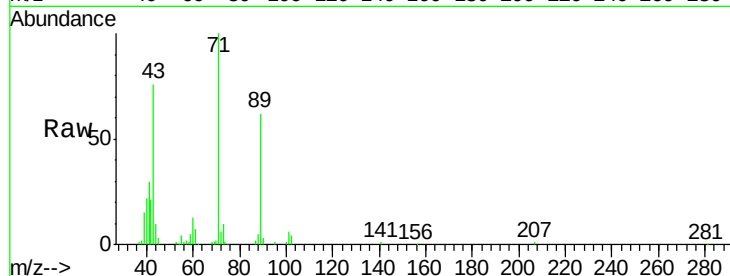




#74
N-amvl acetate
Concen: 2.159 ug/l
RT: 11.88 min Scan# 3143
Delta R.T. -0.19 min
Lab File: VN054148.D
Acq: 11 Mar 2019 18:25

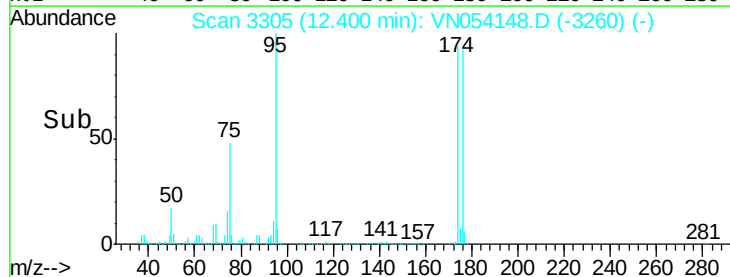
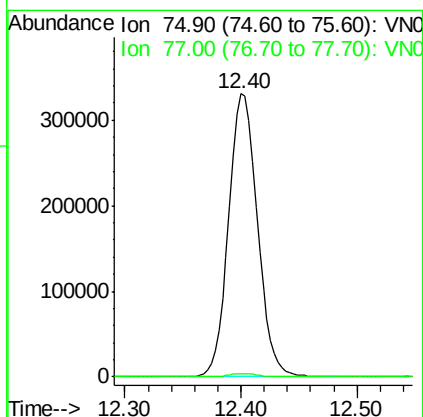
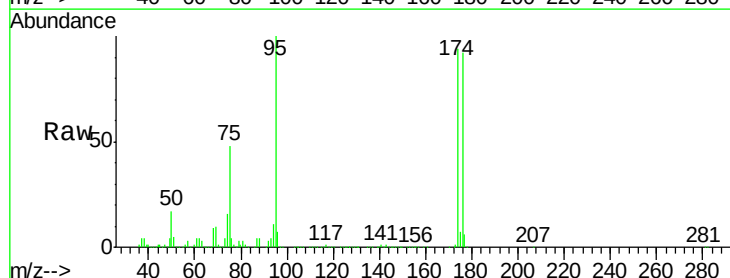
Instrument :
MSVOA_N
ClientSampled :
NB-07-030819

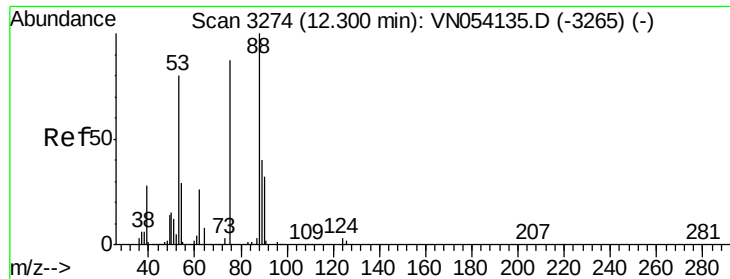
Tot Ion: 43 Resp: 42205
Ion Ratio Lower Upper
43 100
70 2.8 33.6 50.4#
55 3.2 20.6 31.0#
61 10.0 19.4 29.2#



#76
1,2,3-Trichloropropane
Concen: 37.462 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN054148.D
Acq: 11 Mar 2019 18:25

Tgt Ion: 75 Resp: 570868
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 111.513 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054148.D

Acq: 11 Mar 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

NB-07-030819

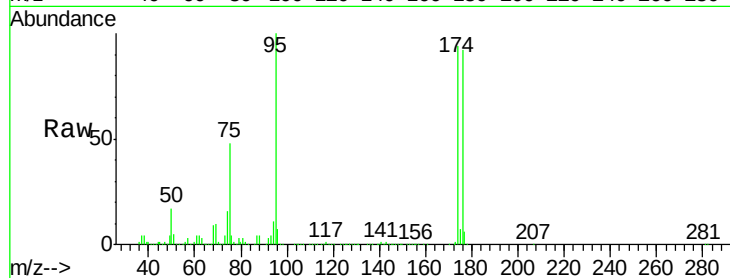
Tot Ion: 75 Resp: 570868

Ion Ratio Lower Upper

75 100

53 0.0 76.4 114.6#

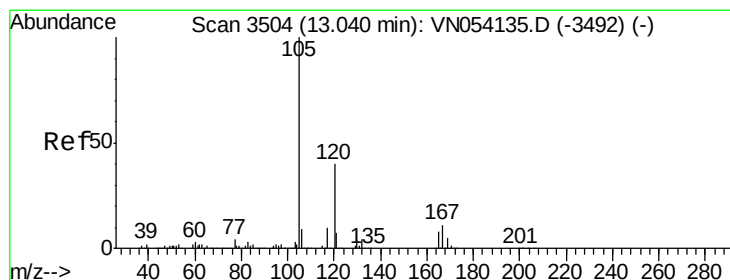
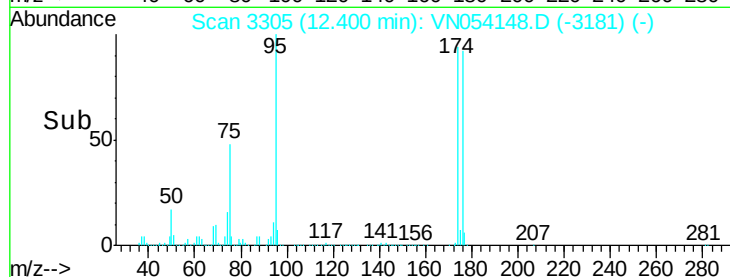
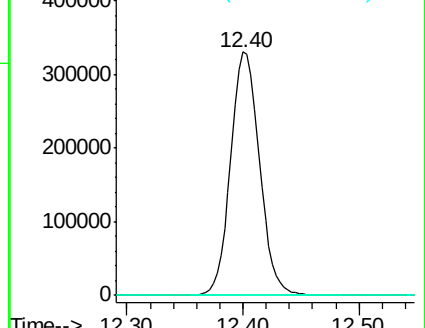
89 0.0 35.3 52.9#



Abundance Ion 74.90 (74.60 to 75.60): VN054148.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN054148.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN054148.D (-3181) (-)



#84

1,2,4-Trimethylbenzene

Concen: 1.198 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054148.D

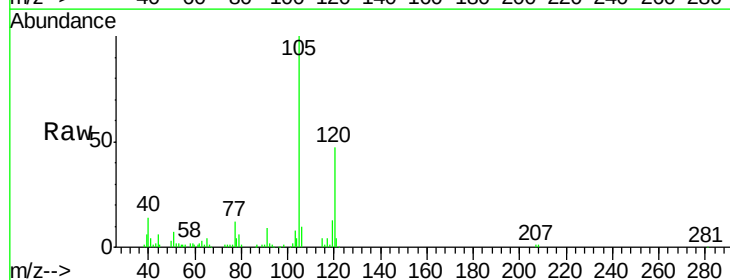
Acq: 11 Mar 2019 18:25

Tgt Ion: 105 Resp: 83429

Ion Ratio Lower Upper

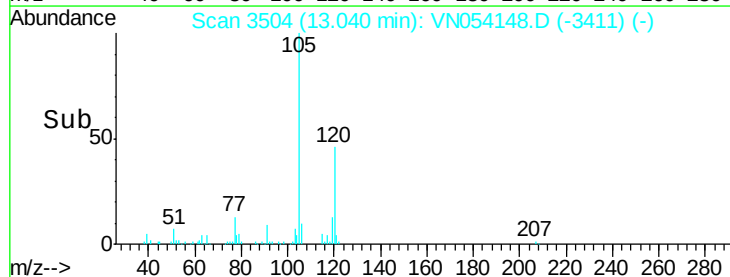
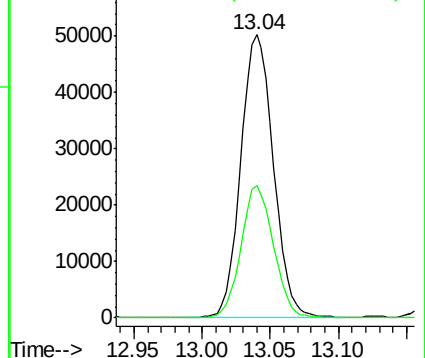
105 100

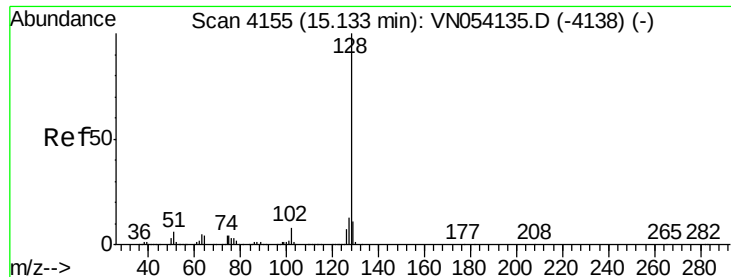
120 46.5 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): VN054148.D (-3411) (-)

Ion 120.00 (119.70 to 120.70): VN054148.D (-3411) (-)





#95

Naphthalene

Concen: 1.469 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054148.D

Acq: 11 Mar 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

NB-07-030819

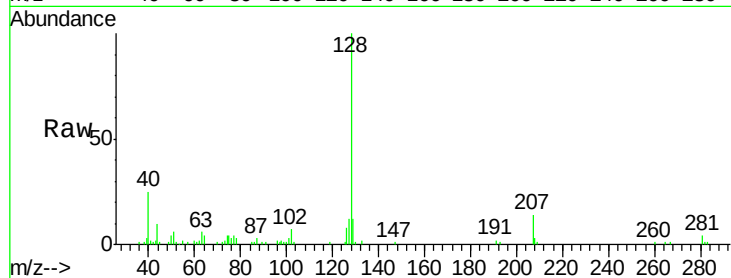
Tot Ion:128 Resp: 59273

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

129 11.3 8.6 12.8



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

