

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030219\
 Data File : VN054035.D
 Acq On : 1 Mar 2019 17:55
 Operator : JC/SP
 Sample : K1700-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 NB-21841-21842

Quant Time: Mar 02 05:24:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	558613	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1051720	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1005152	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	404716	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	376292	57.47	ug/l	0.00
Spiked Amount			Recovery	=	114.94%	
35) Dibromofluoromethane	7.59	113	344198	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
50) Toluene-d8	10.09	98	1327712	52.44	ug/l	0.00
Spiked Amount			Recovery	=	104.88%	
62) 4-Bromofluorobenzene	12.40	95	451264	53.50	ug/l	0.00
Spiked Amount			Recovery	=	107.00%	

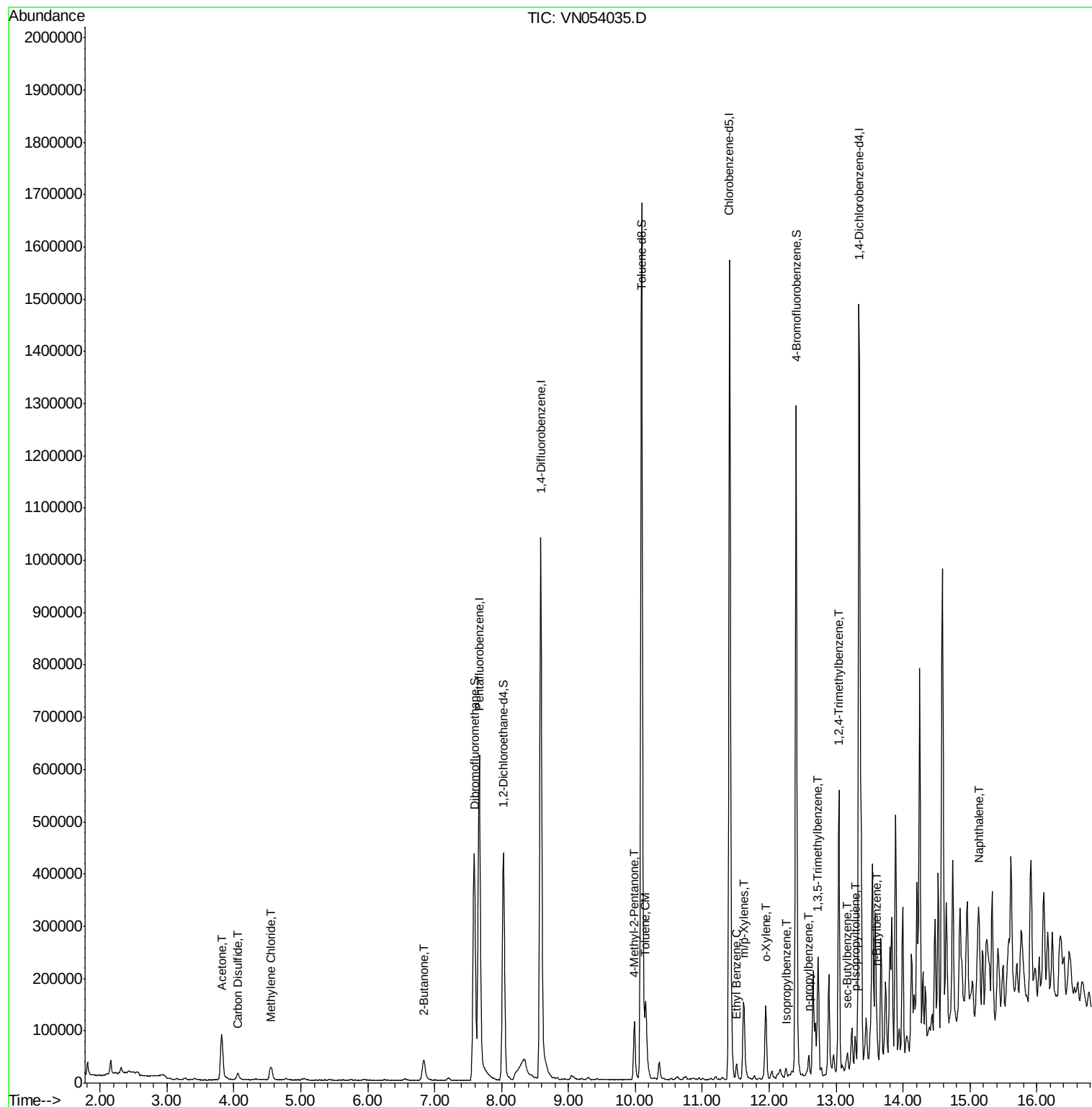
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	152628	79.774	ug/l	95
17) Carbon Disulfide	4.06	76	11162	0.627	ug/l	95
20) Methylene Chloride	4.55	84	18718	2.888	ug/l	91
25) 2-Butanone	6.84	43	70131	27.276	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	83225	13.735	ug/l	95
52) Toluene	10.16	92	47978	2.712	ug/l	97
67) Ethyl Benzene	11.51	91	20519	0.577	ug/l	99
68) m/p-Xylenes	11.62	106	45464	3.387	ug/l	91
69) o-Xylene	11.95	106	38540	2.922	ug/l	97
73) Isopropylbenzene	12.25	105	10364	0.329	ug/l	98
78) n-propylbenzene	12.59	91	33403	0.932	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	68956	2.674	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	309082	12.004	ug/l	98
85) sec-Butylbenzene	13.17	105	19444	0.624	ug/l	94
86) p-Isopropyltoluene	13.29	119	23253	0.883	ug/l	100
89) n-Butylbenzene	13.61	91	24509	1.104	ug/l #	67
95) Naphthalene	15.13	128	150989	12.029	ug/l	97

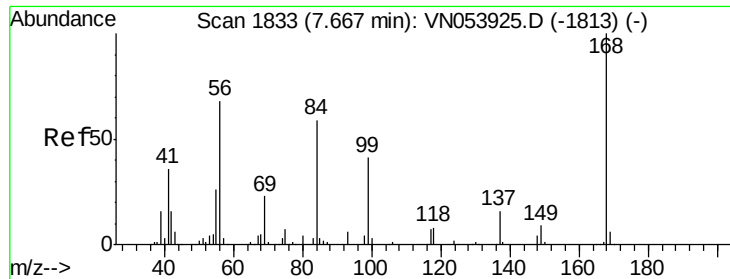
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Feb 28 04:05:45 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054035.D

Acq: 1 Mar 2019 17:55

Instrument :

MSVOA_N

ClientSampleId :

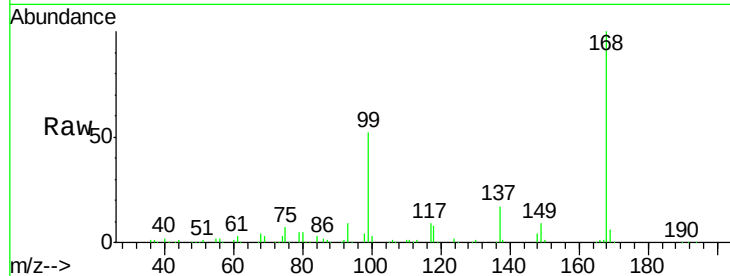
NB-21841-21842

Tot Ion:168 Resp: 558613

Ion Ratio Lower Upper

168 100

99 51.8 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): VN054035.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN054035.D (-1740) (-)

7.67

250000

200000

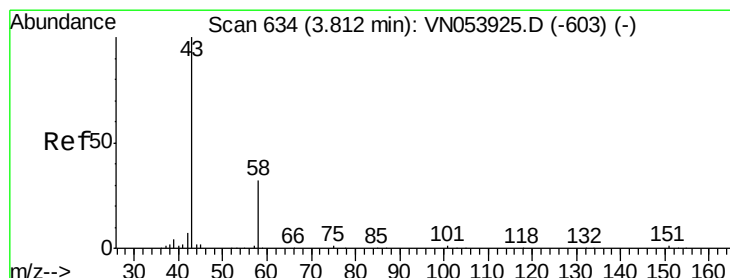
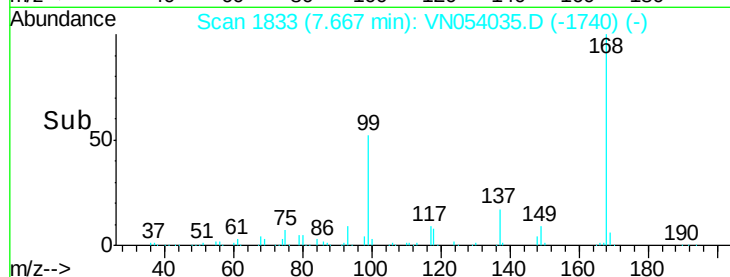
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#16

Acetone

Concen: 79.774 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN054035.D

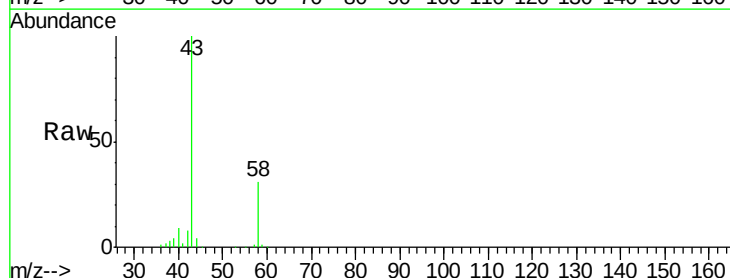
Acq: 1 Mar 2019 17:55

Tgt Ion: 43 Resp: 152628

Ion Ratio Lower Upper

43 100

58 31.4 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VN054035.D (-540) (-)

Ion 58.00 (57.70 to 58.70): VN054035.D (-540) (-)

3.82

60000

50000

40000

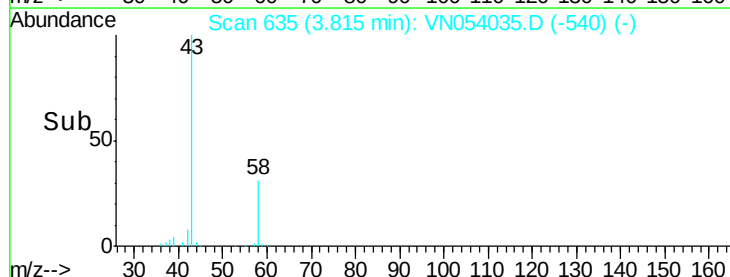
30000

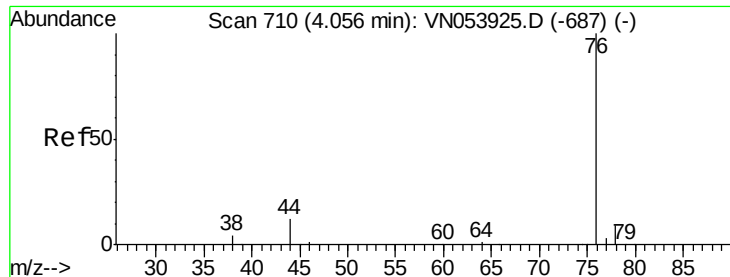
20000

10000

0

Time--> 3.70 3.80 3.90





#17

Carbon Disulfide

Concen: 0.627 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN054035.D

Acq: 1 Mar 2019 17:55

Instrument :

MSVOA_N

ClientSampleId :

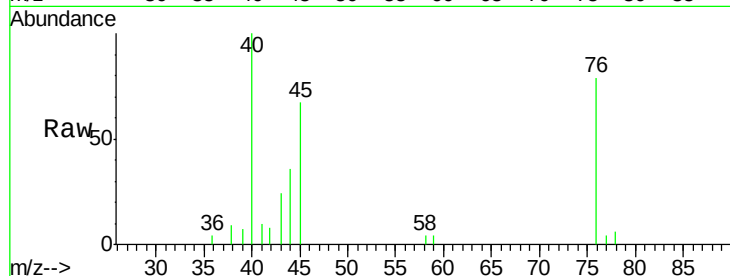
NB-21841-21842

Tot Ion: 76 Resp: 11162

Ion Ratio Lower Upper

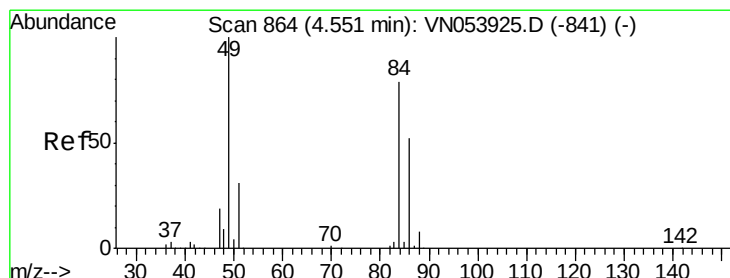
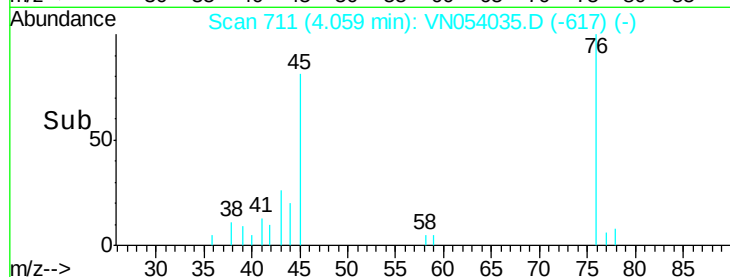
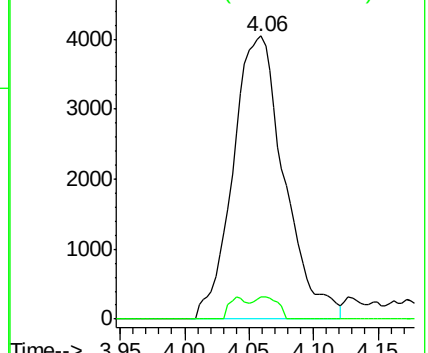
76 100

78 7.7 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#20

Methylene Chloride

Concen: 2.888 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.00 min

Lab File: VN054035.D

Acq: 1 Mar 2019 17:55

Tgt Ion: 84 Resp: 18718

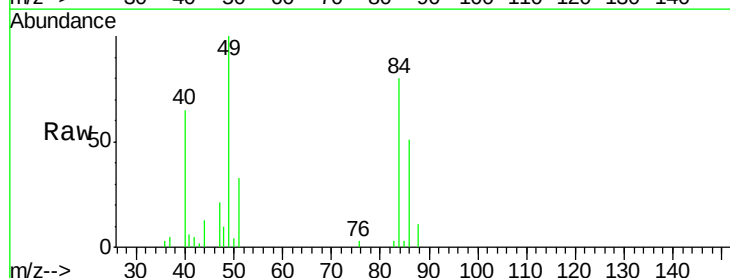
Ion Ratio Lower Upper

84 100

49 124.5 89.7 134.5

51 41.6 27.8 41.8

86 62.9 51.3 76.9

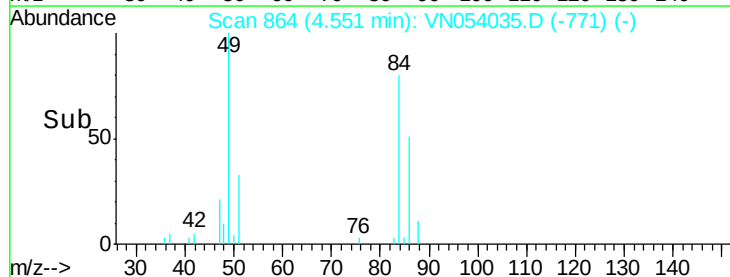
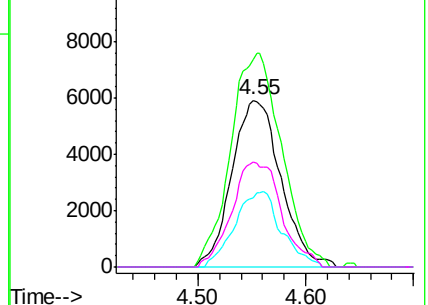


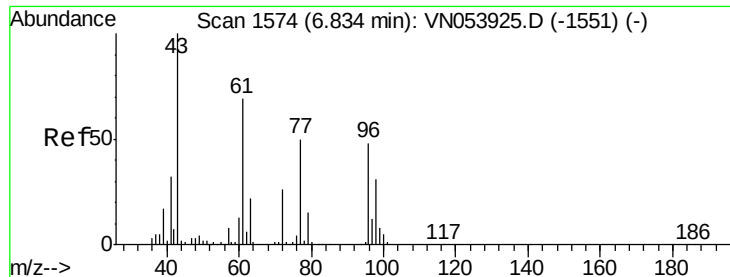
Abundance Ion 83.90 (83.60 to 84.60): VNC

Ion 48.90 (48.60 to 49.60): VNC

Ion 50.90 (50.60 to 51.60): VNC

Ion 85.90 (85.60 to 86.60): VNC





#25

2-Butanone

Concen: 27.276 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VN054035.D

Acq: 1 Mar 2019 17:55

Instrument :

MSVOA_N

ClientSampleId :

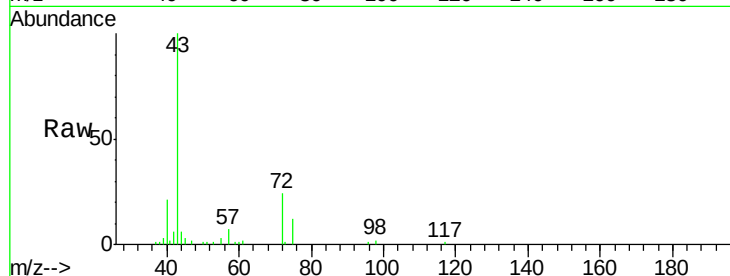
NB-21841-21842

Tot Ion: 43 Resp: 70131

Ion Ratio Lower Upper

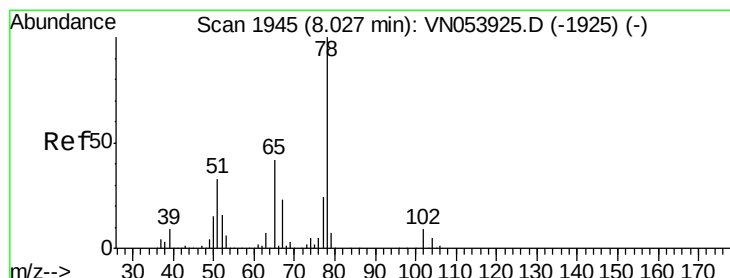
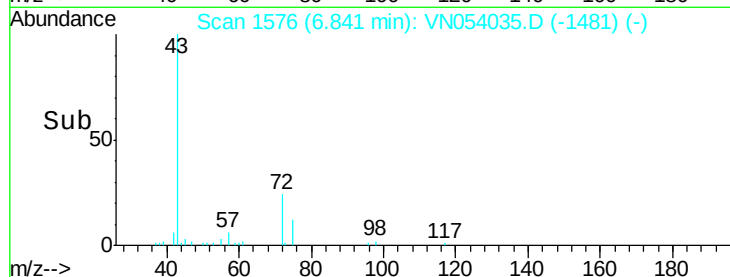
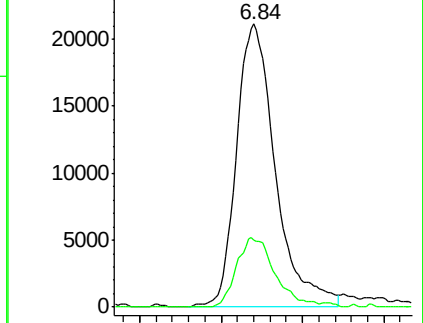
43 100

72 23.8 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 57.465 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054035.D

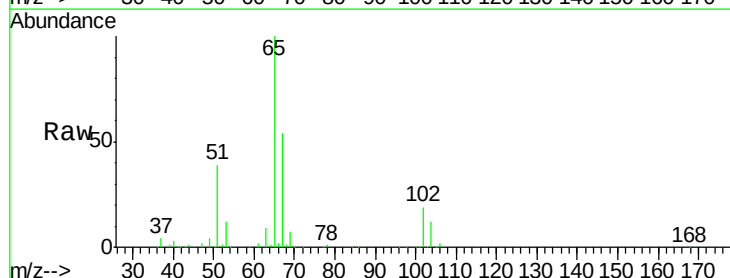
Acq: 1 Mar 2019 17:55

Tgt Ion: 65 Resp: 376292

Ion Ratio Lower Upper

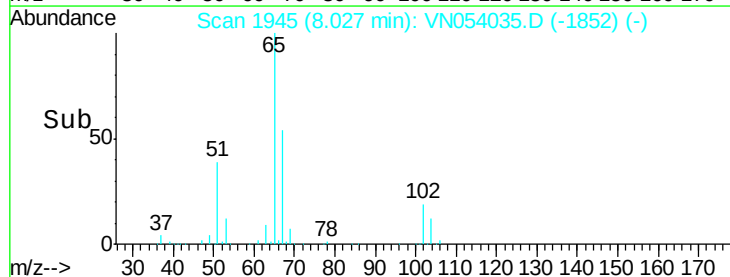
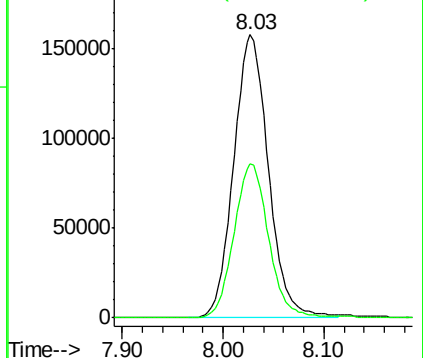
65 100

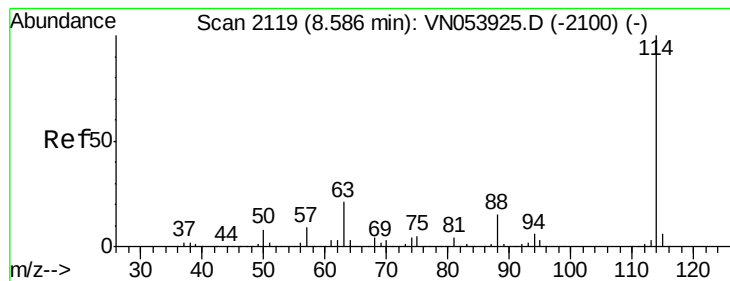
67 54.2 0.0 111.8



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: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054035.D

Acq: 1 Mar 2019 17:55

Instrument :

MSVOA_N

ClientSampleId :

NB-21841-21842

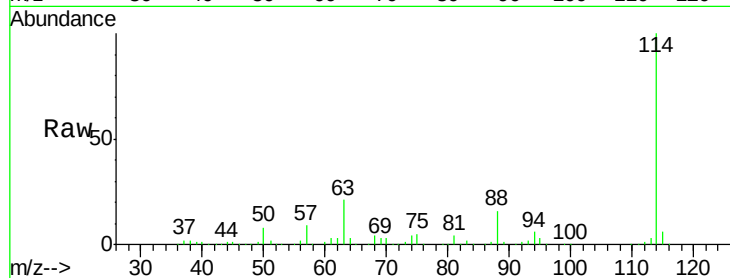
Tot Ion:114 Resp: 1051720

Ion Ratio Lower Upper

114 100

63 20.9 0.0 37.4

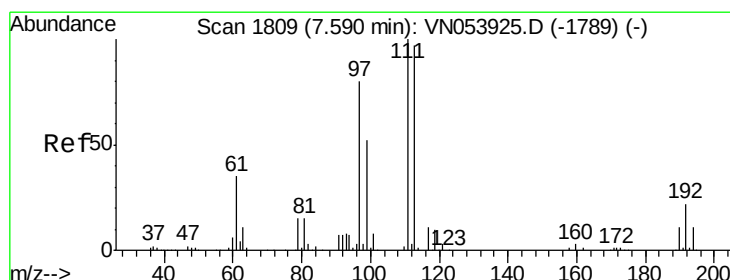
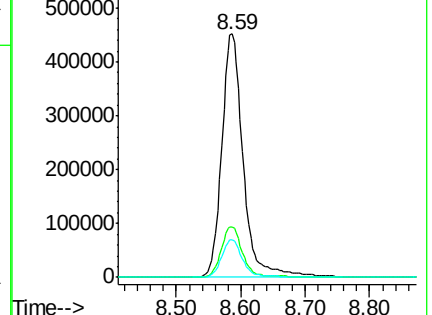
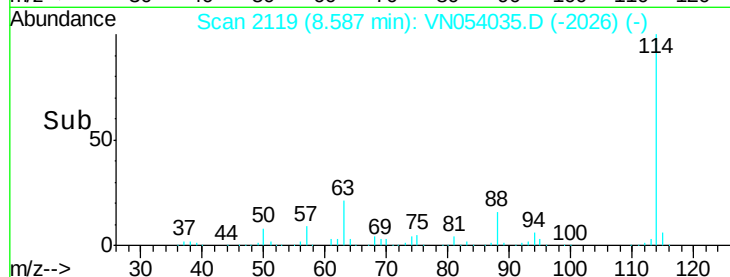
88 15.6 0.0 30.4



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: 50.610 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054035.D

Acq: 1 Mar 2019 17:55

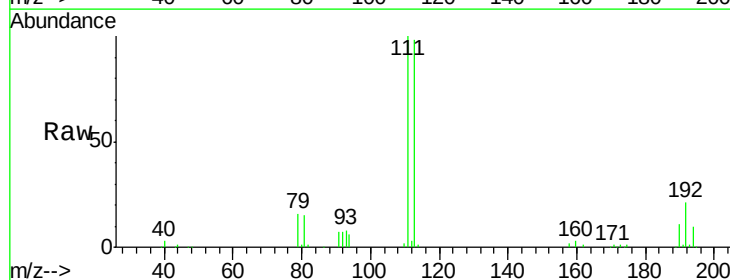
Tgt Ion:113 Resp: 344198

Ion Ratio Lower Upper

113 100

111 103.1 81.1 121.7

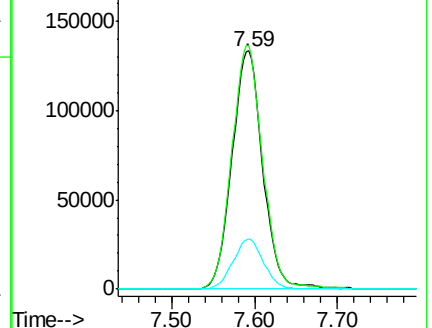
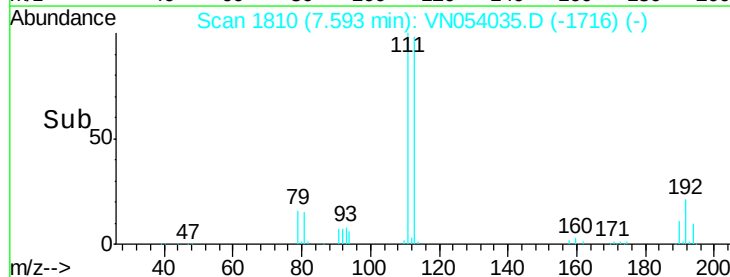
192 21.0 18.8 28.2

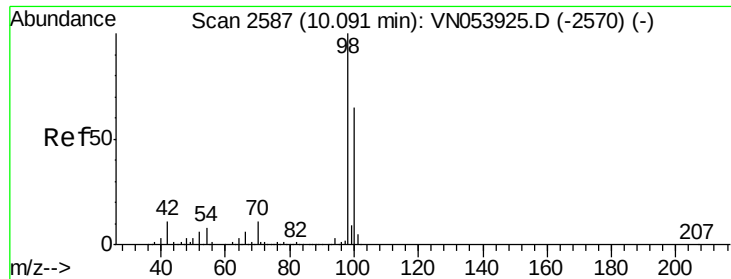


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 52.443 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054035.D

Acq: 1 Mar 2019 17:55

Instrument :

MSVOA_N

ClientSampleId :

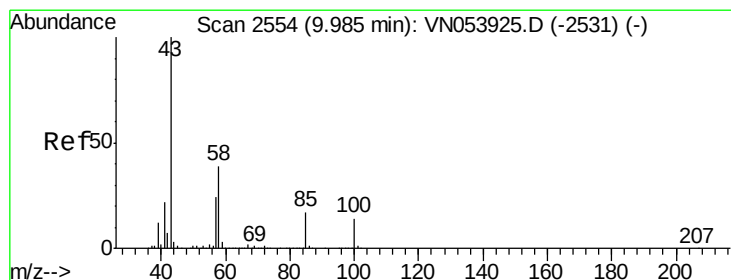
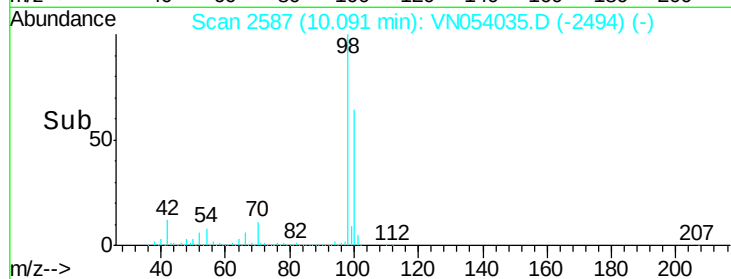
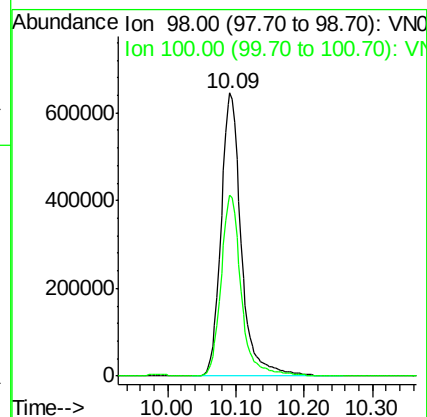
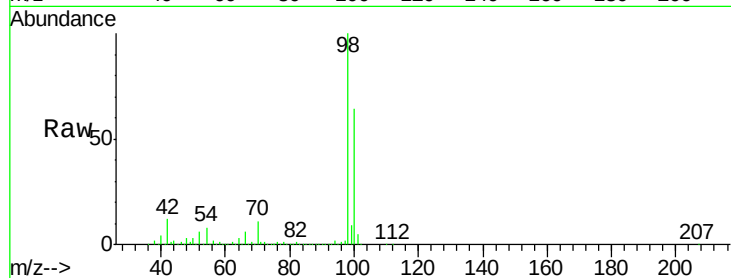
NB-21841-21842

Tot Ion: 98 Resp: 1327712

Ion Ratio Lower Upper

98 100

100 63.9 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 13.735 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054035.D

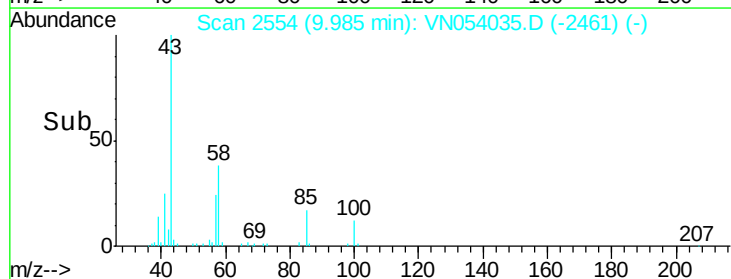
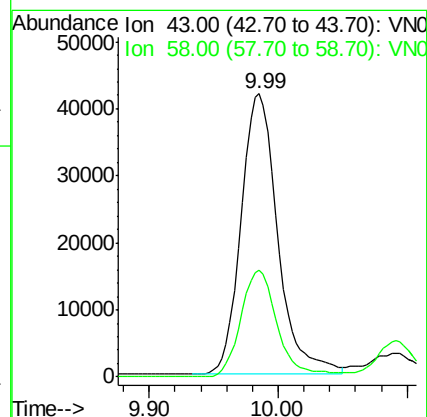
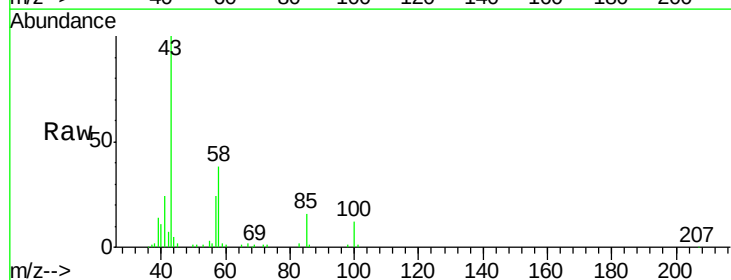
Acq: 1 Mar 2019 17:55

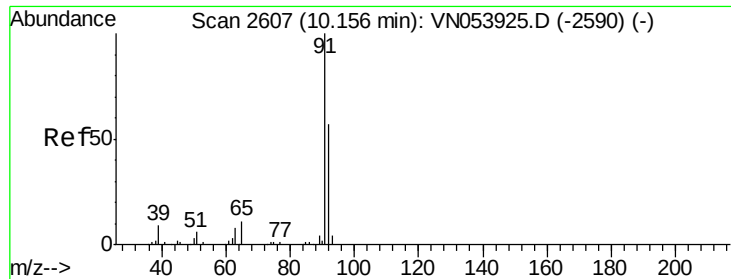
Tgt Ion: 43 Resp: 83225

Ion Ratio Lower Upper

43 100

58 37.9 32.7 49.1





#52

Toluene

Concen: 2.712 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054035.D

Acq: 1 Mar 2019 17:55

Instrument :

MSVOA_N

ClientSampleId :

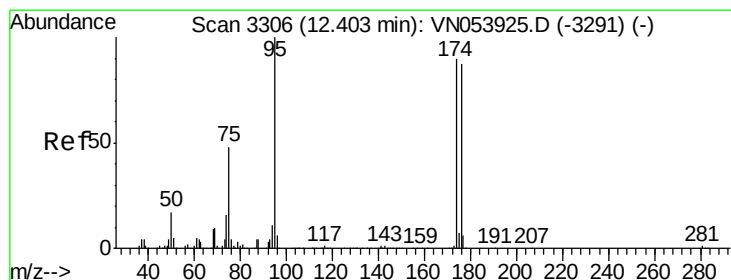
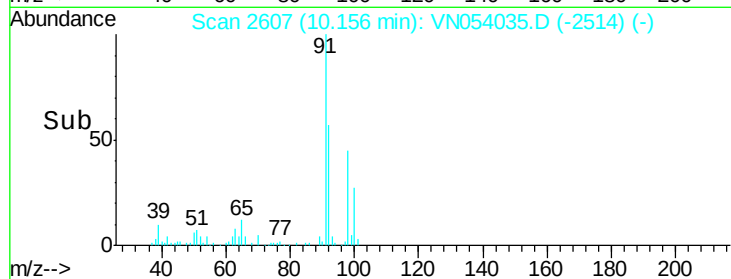
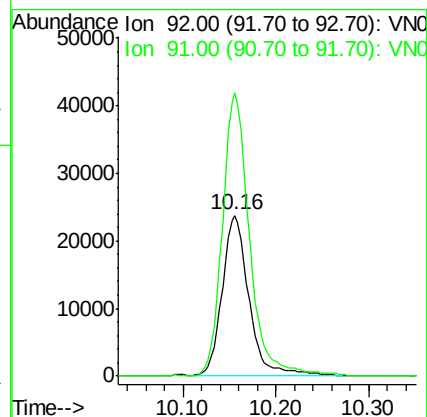
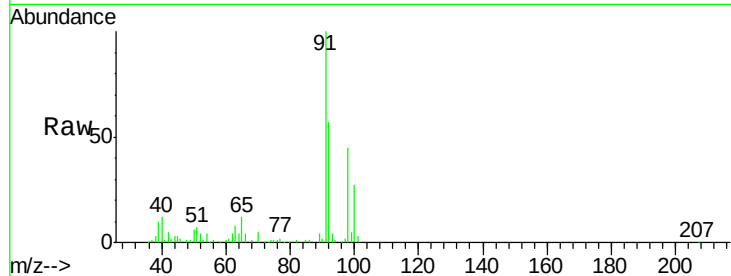
NB-21841-21842

Tot Ion: 92 Resp: 47978

Ion Ratio Lower Upper

92 100

91 177.5 138.4 207.6



#62

4-Bromofluorobenzene

Concen: 53.499 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054035.D

Acq: 1 Mar 2019 17:55

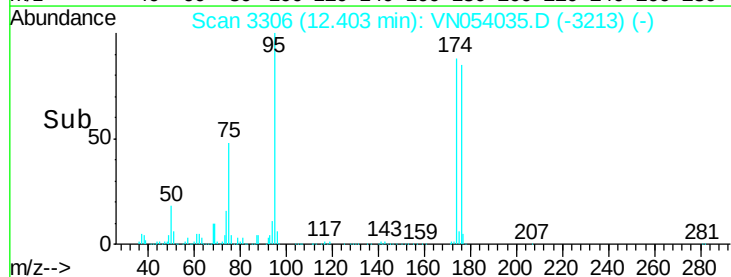
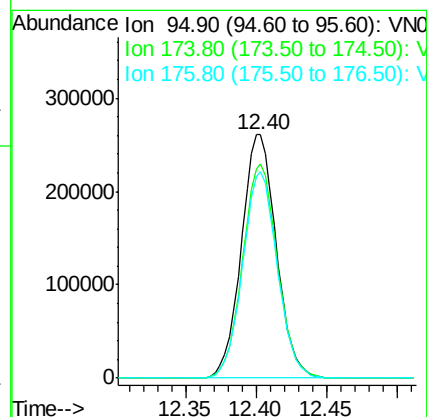
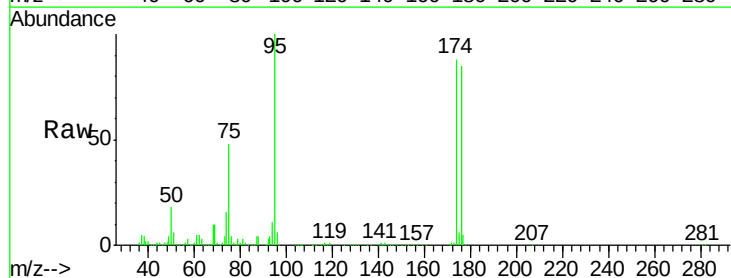
Tgt Ion: 95 Resp: 451264

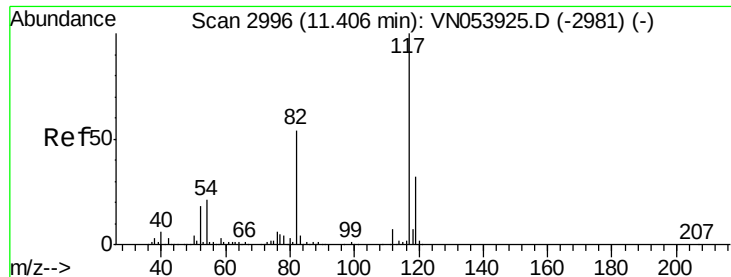
Ion Ratio Lower Upper

95 100

174 88.1 0.0 188.8

176 84.3 0.0 182.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN054035.D

Acq: 1 Mar 2019 17:55

Instrument :

MSVOA_N

ClientSampled :

NB-21841-21842

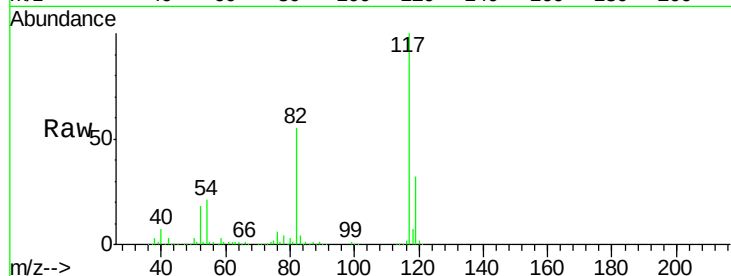
Tot Ion:117 Resp: 1005152

Ion Ratio Lower Upper

117 100

82 54.8 41.4 62.2

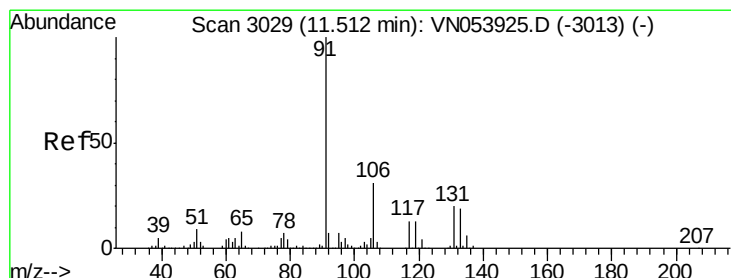
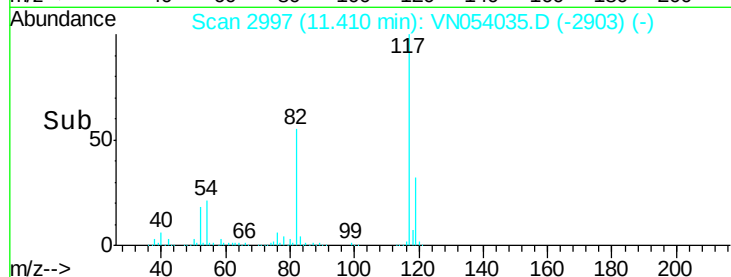
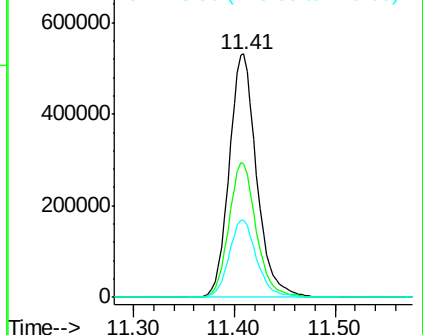
119 31.7 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VNO

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 0.577 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN054035.D

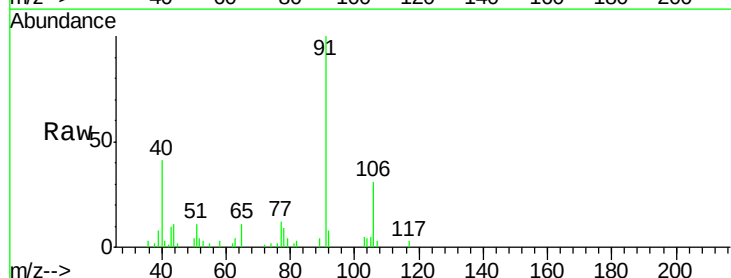
Acq: 1 Mar 2019 17:55

Tgt Ion: 91 Resp: 20519

Ion Ratio Lower Upper

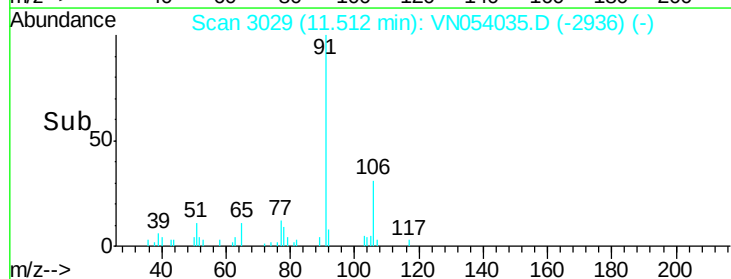
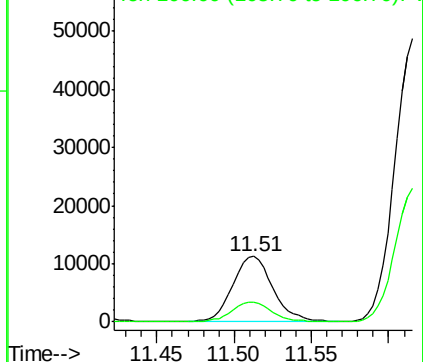
91 100

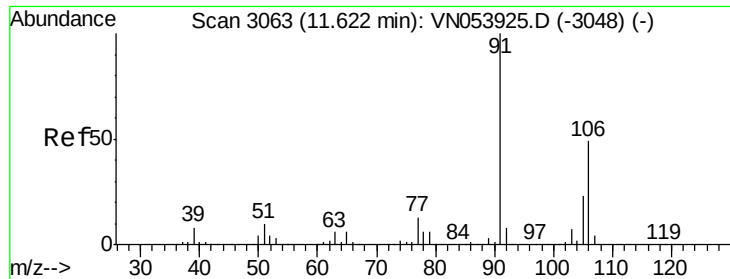
106 31.1 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 106.00 (105.70 to 106.70): V

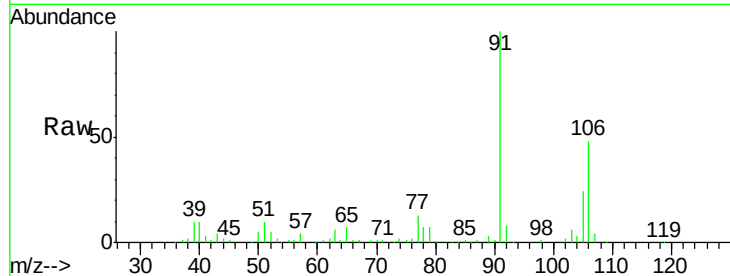




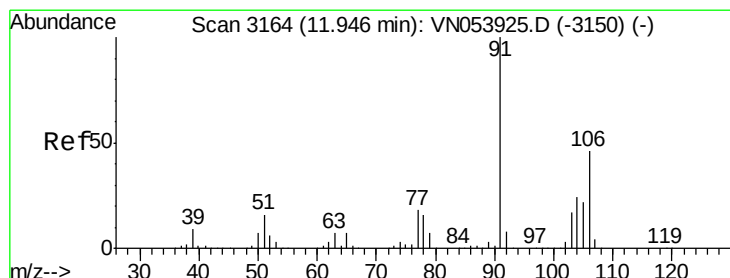
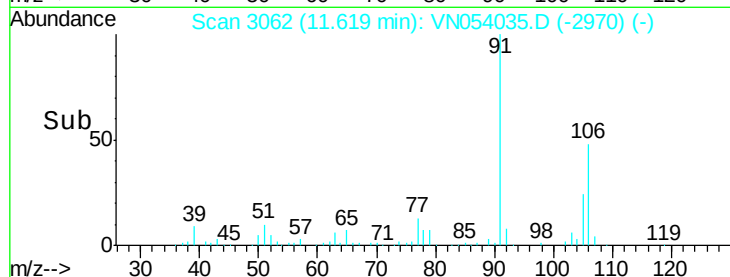
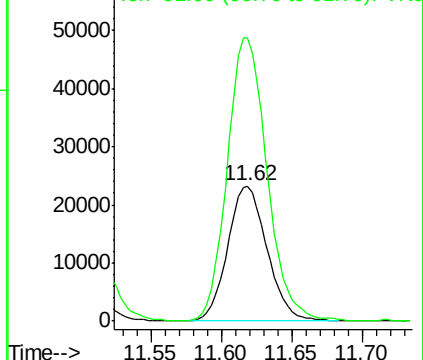
#68
m/p-Xylenes
Concen: 3.387 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054035.D
Acq: 1 Mar 2019 17:55

Instrument :
MSVOA_N
ClientSampleId :
NB-21841-21842

Tot Ion:106 Resp: 45464
Ion Ratio Lower Upper
106 100
91 211.5 158.9 238.3

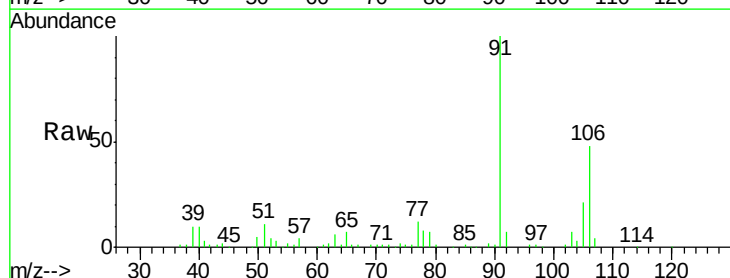


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

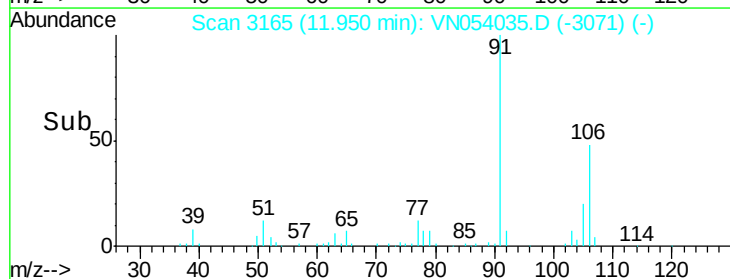
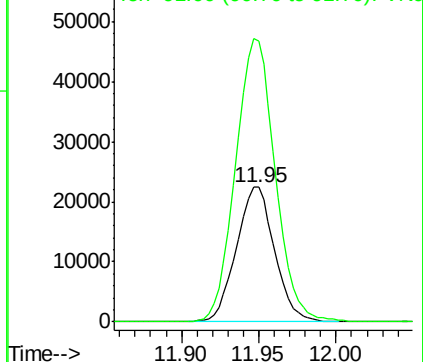


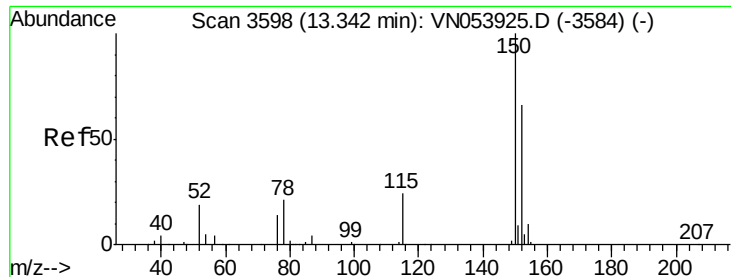
#69
o-Xylene
Concen: 2.922 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN054035.D
Acq: 1 Mar 2019 17:55

Tgt Ion:106 Resp: 38540
Ion Ratio Lower Upper
106 100
91 217.5 106.0 318.0



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054035.D

Acq: 1 Mar 2019 17:55

Instrument :

MSVOA_N

ClientSampleId :

NB-21841-21842

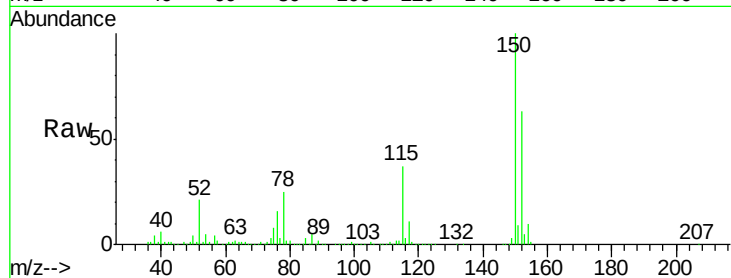
Tot Ion:152 Resp: 404716

Ion Ratio Lower Upper

152 100

115 60.3 27.2 81.6

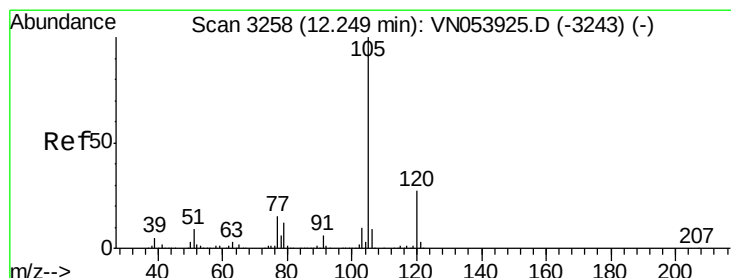
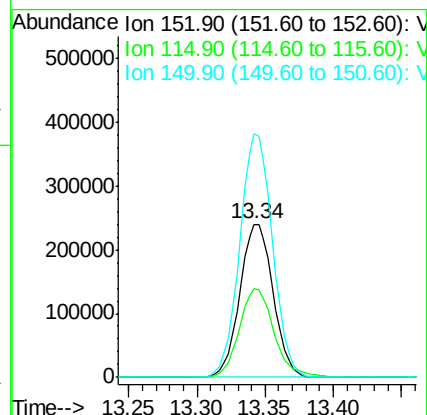
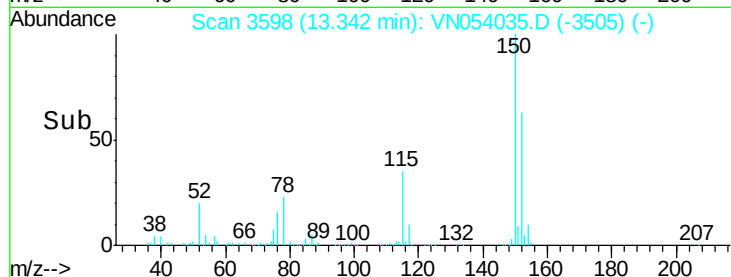
150 157.0 0.0 348.2



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



#73

Isopropylbenzene

Concen: 0.329 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054035.D

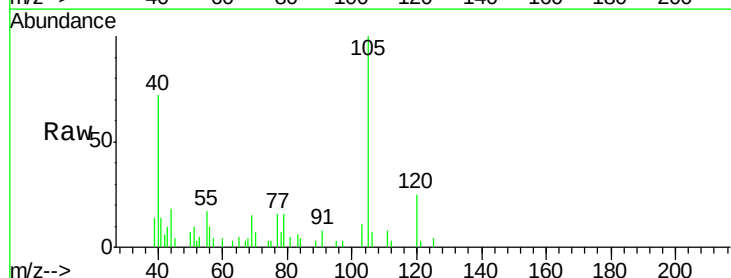
Acq: 1 Mar 2019 17:55

Tgt Ion:105 Resp: 10364

Ion Ratio Lower Upper

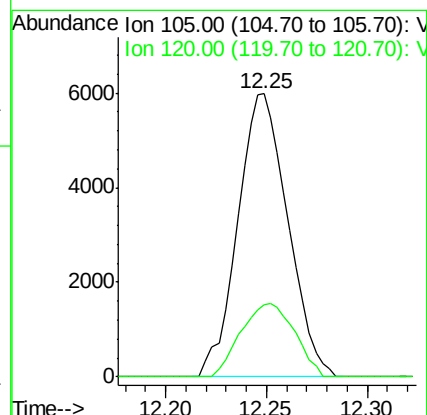
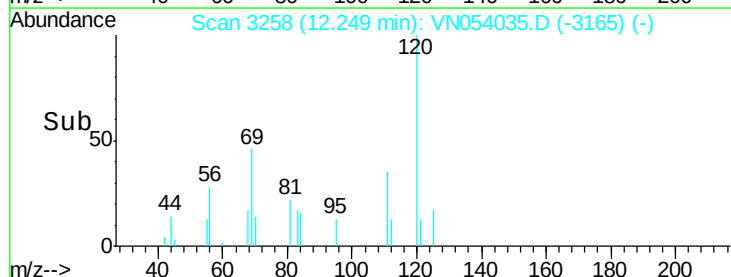
105 100

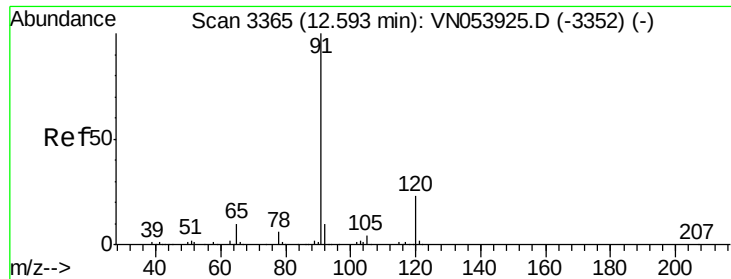
120 27.8 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 0.932 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054035.D

Acq: 1 Mar 2019 17:55

Instrument :

MSVOA_N

ClientSampled :

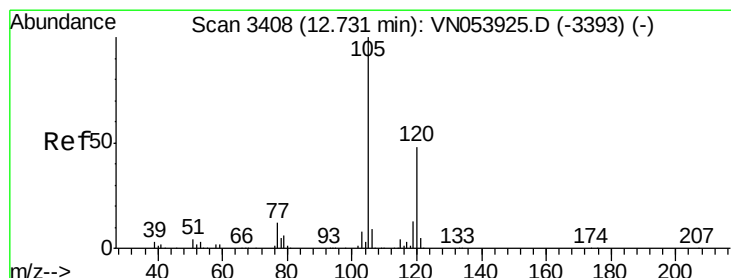
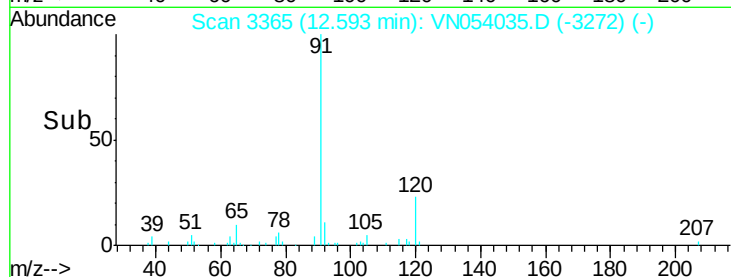
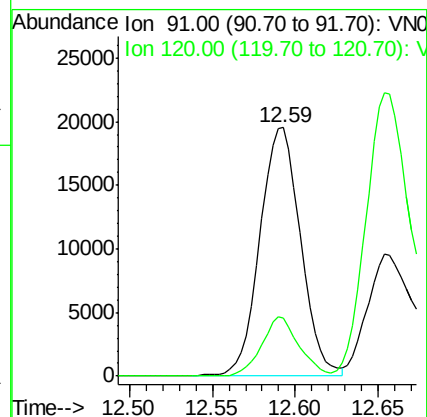
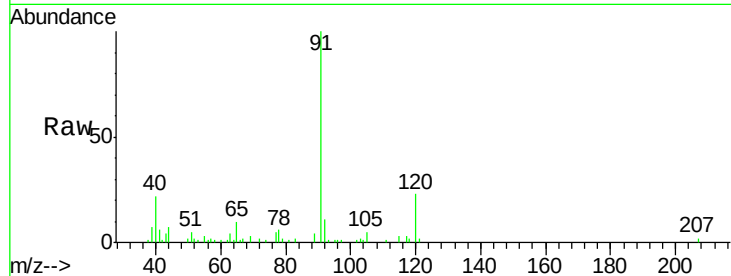
NB-21841-21842

Tot Ion: 91 Resp: 33403

Ion Ratio Lower Upper

91 100

120 21.9 11.9 35.9



#80

1,3,5-Trimethylbenzene

Concen: 2.674 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054035.D

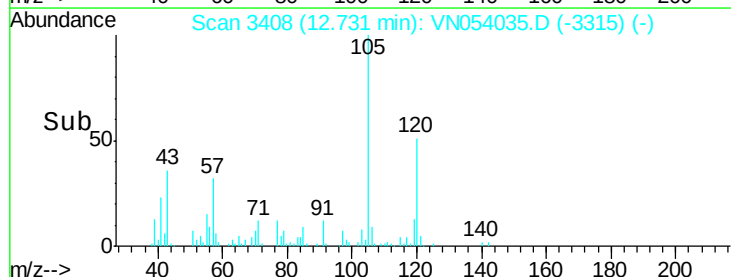
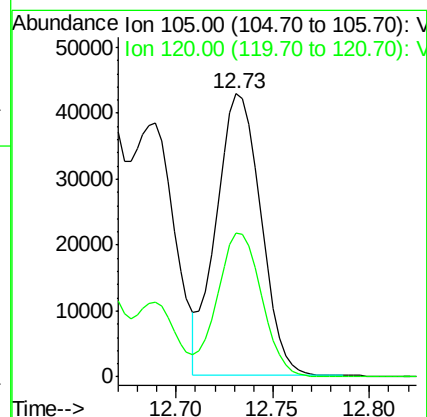
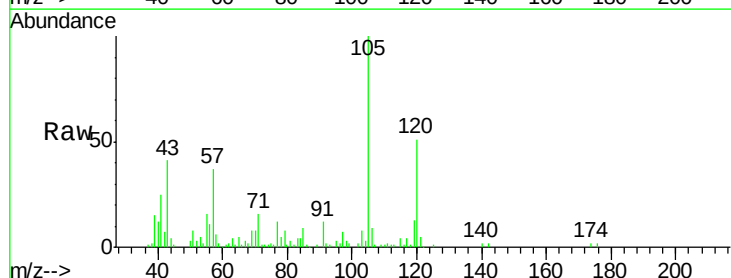
Acq: 1 Mar 2019 17:55

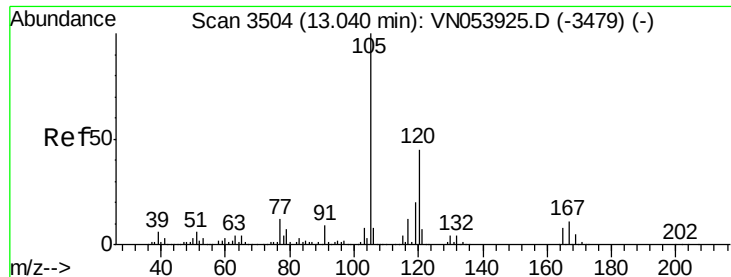
Tgt Ion: 105 Resp: 68956

Ion Ratio Lower Upper

105 100

120 50.6 25.1 75.2

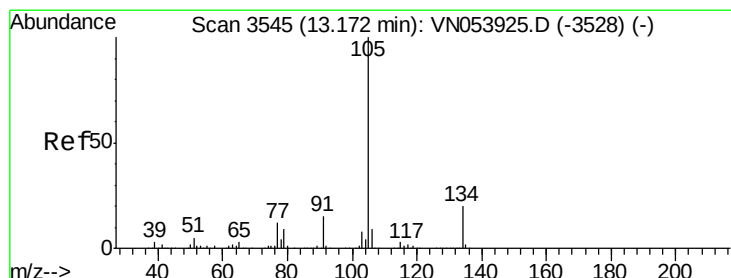
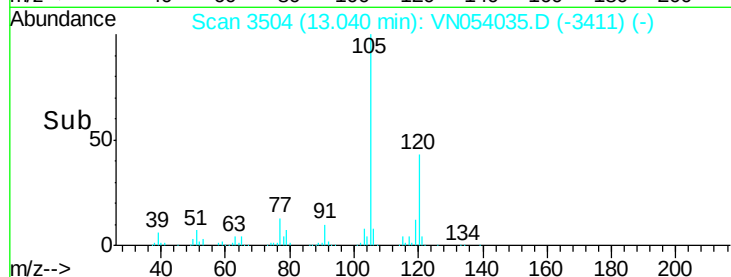
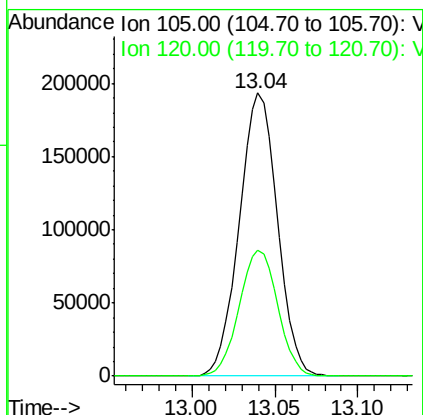
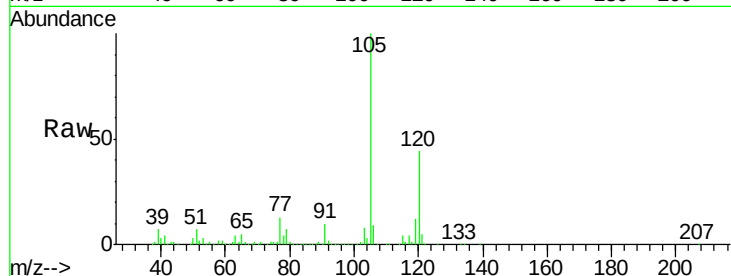




#84
 1,2,4-Trimethylbenzene
 Concen: 12.004 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054035.D
 Acq: 1 Mar 2019 17:55

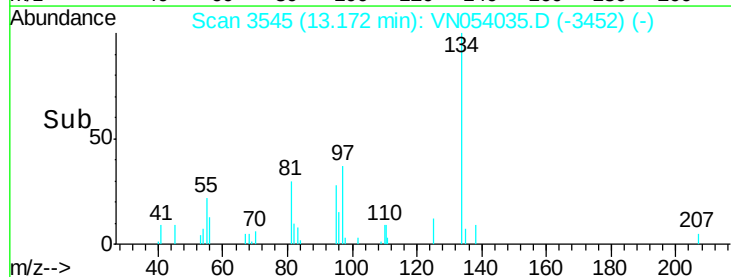
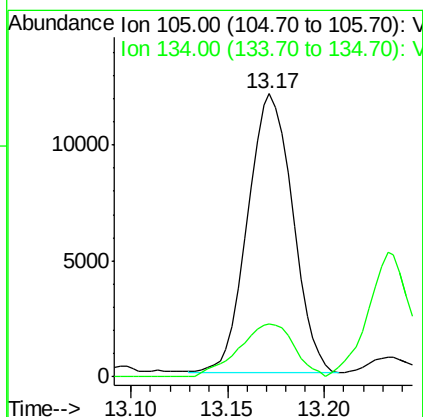
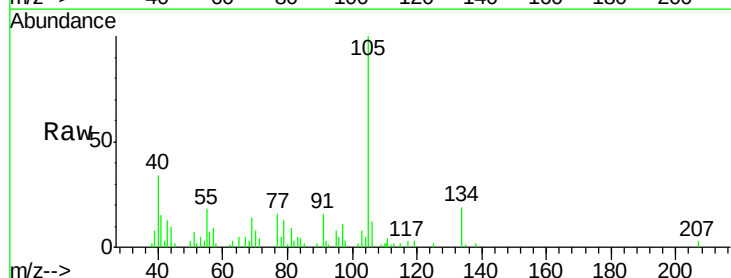
Instrument :
 MSVOA_N
 ClientSampled :
 NB-21841-21842

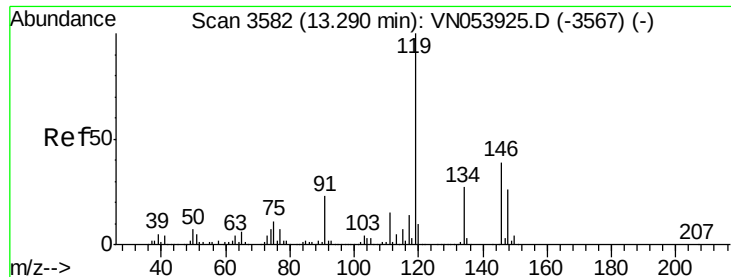
Tot Ion:105 Resp: 309082
 Ion Ratio Lower Upper
 105 100
 120 45.0 23.2 69.5



#85
 sec-Butylbenzene
 Concen: 0.624 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054035.D
 Acq: 1 Mar 2019 17:55

Tgt Ion:105 Resp: 19444
 Ion Ratio Lower Upper
 105 100
 134 23.3 10.4 31.1

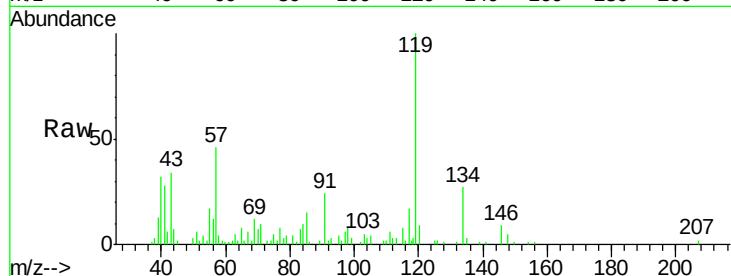




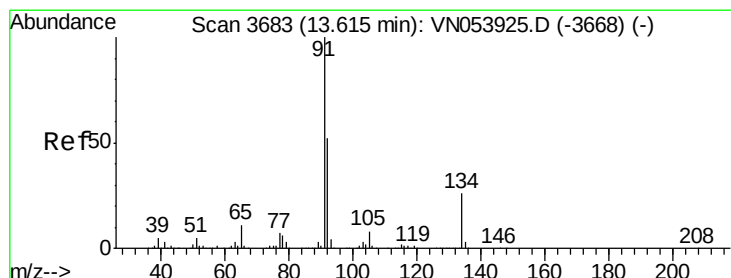
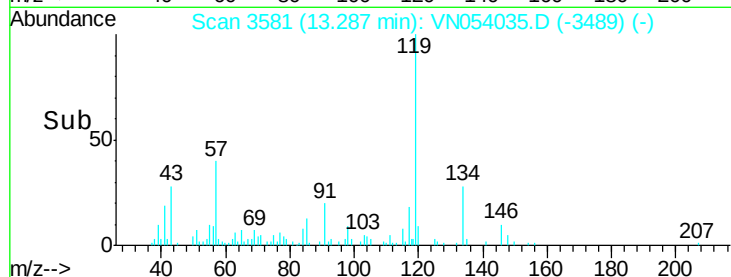
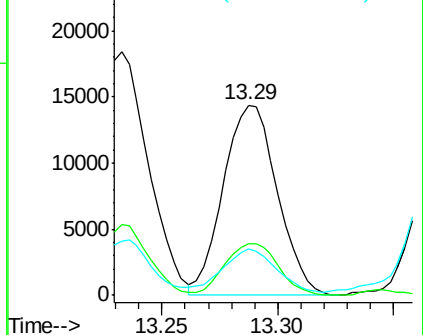
#86
 p-Isopropyltoluene
 Concen: 0.883 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN054035.D
 Acq: 1 Mar 2019 17:55

Instrument :
 MSVOA_N
 ClientSampleId :
 NB-21841-21842

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.5	40.4
91	21.6	10.9	32.6

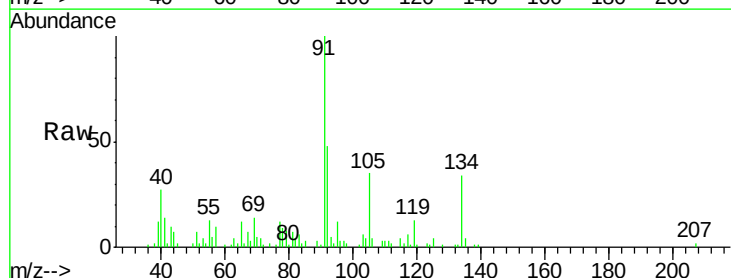


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

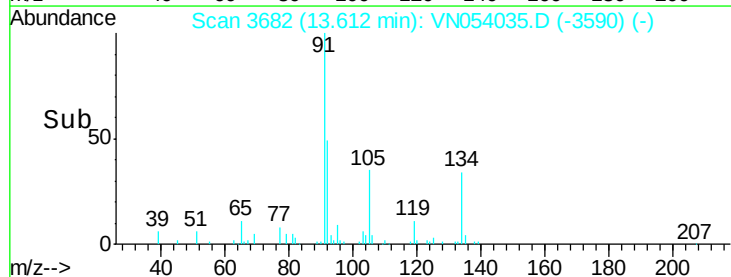
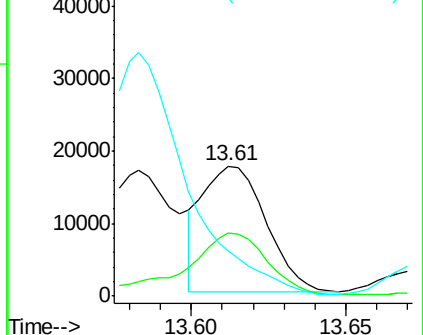


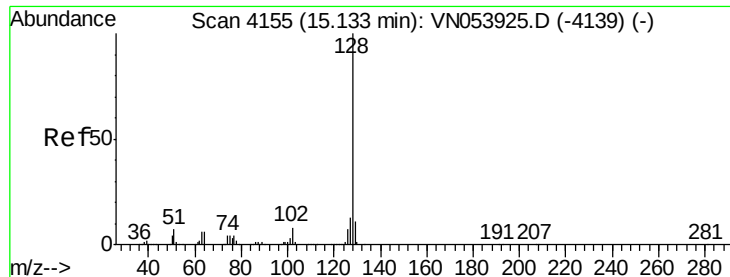
#89
 n-Butylbenzene
 Concen: 1.104 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. -0.00 min
 Lab File: VN054035.D
 Acq: 1 Mar 2019 17:55

Tgt Ion	Ratio	Lower	Upper
91	100		
92	68.1	26.1	78.2
134	0.0	13.6	40.8#



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





#95

Naphthalene

Concen: 12.029 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054035.D

Acq: 1 Mar 2019 17:55

Instrument :

MSVOA_N

ClientSampleId :

NB-21841-21842

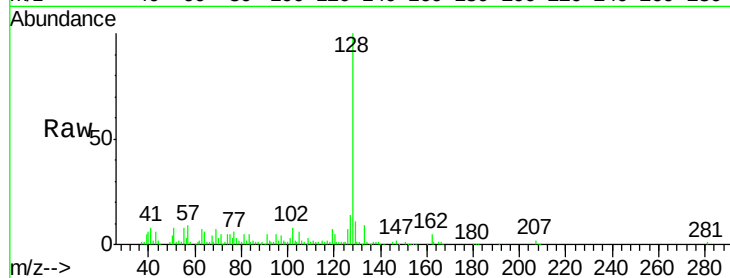
Tot Ion:128 Resp: 150989

Ion Ratio Lower Upper

128 100

127 13.9 10.2 15.2

129 11.4 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

