

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN022520\
 Data File : VN060226.D
 Acq On : 25 Feb 2020 12:11
 Operator : JC/MD
 Sample : L1666-01 100X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 NB-21944

Quant Time: Feb 25 15:46:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	174838	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	273443	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	254123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	112830	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	103399	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	
35) Dibromofluoromethane	7.57	113	82727	49.22	ug/l	0.00
Spiked Amount			Recovery	=	98.44%	
50) Toluene-d8	10.08	98	328913	49.69	ug/l	0.00
Spiked Amount			Recovery	=	99.38%	
62) 4-Bromofluorobenzene	12.40	95	118074	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	

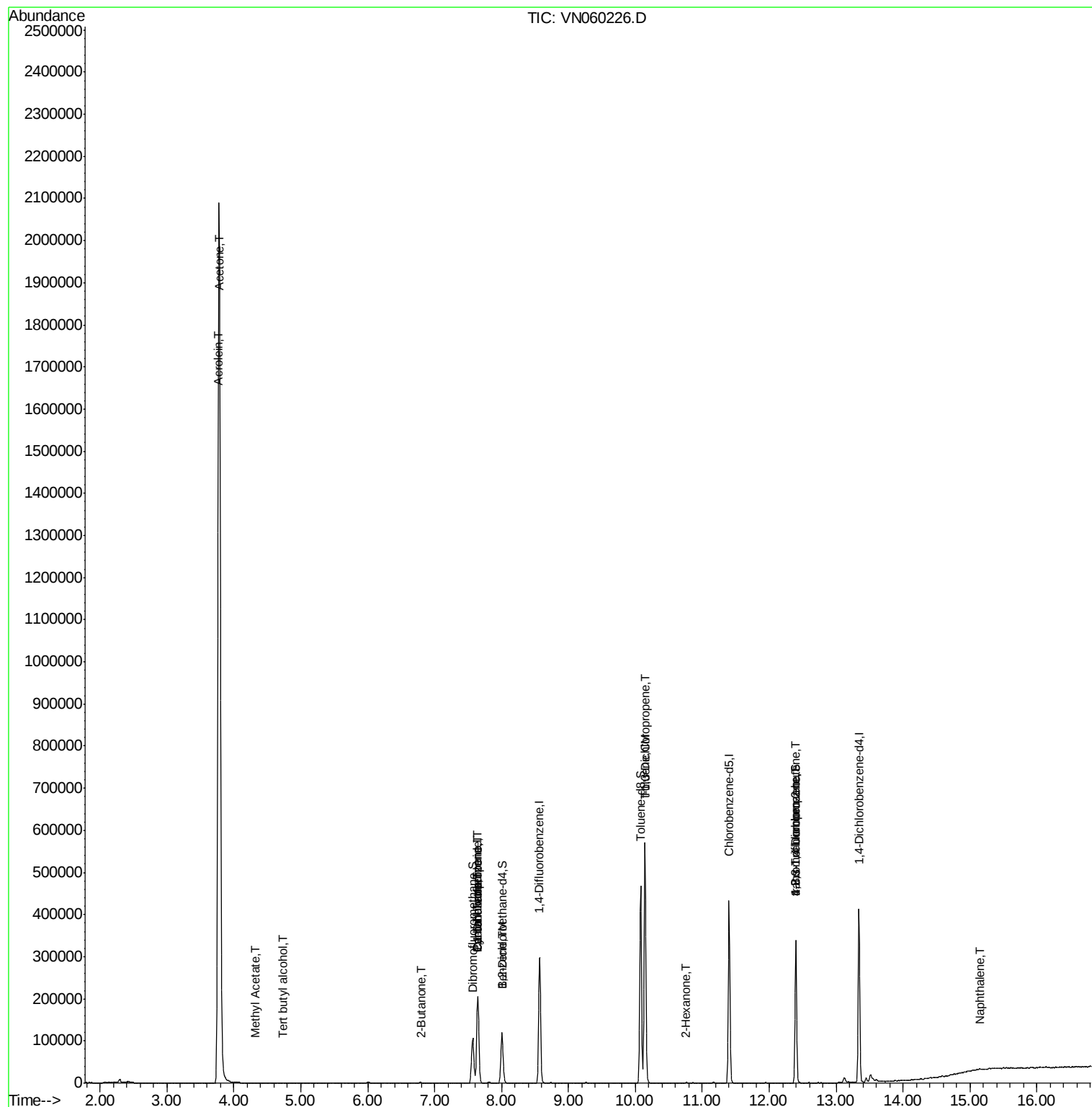
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	443	1.39	ug/l #	72
13) Acrolein	3.76	56	63	0.20	ug/l #	16
16) Acetone	3.78	43	3421044	3686.49	ug/l	99
18) Methyl Acetate	4.32	43	417	0.24	ug/l #	50
25) 2-Butanone	6.81	43	306	0.26	ug/l #	46
31) Cyclohexane	7.64	56	3486	1.16	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	12692	5.01	ug/l #	48
38) Carbon Tetrachloride	7.64	117	15925	5.79	ug/l #	15
40) Benzene	8.02	78	1790	0.24	ug/l	97
52) Toluene	10.14	92	254143	52.75	ug/l	99
53) t-1,3-Dichloropropene	10.14	75	3052	1.01	ug/l #	1
59) 2-Hexanone	10.76	43	774	0.44	ug/l #	24
76) 1,2,3-Trichloropropane	12.40	75	59401	27.52	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	59401	67.38	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.26	75	29	Below Cal	#	1
95) Naphthalene	15.14	128	1826	0.32	ug/l #	89

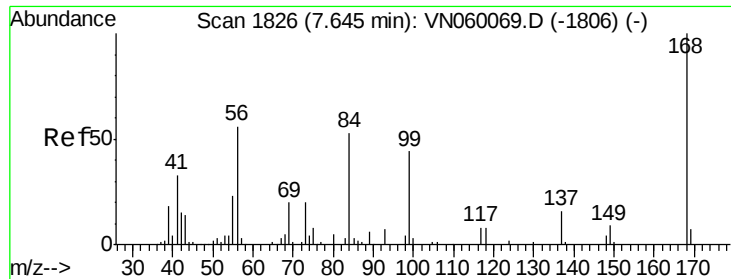
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060226.D

Acq: 25 Feb 2020 12:11

Instrument :

MSVOA_N

ClientSampleId :

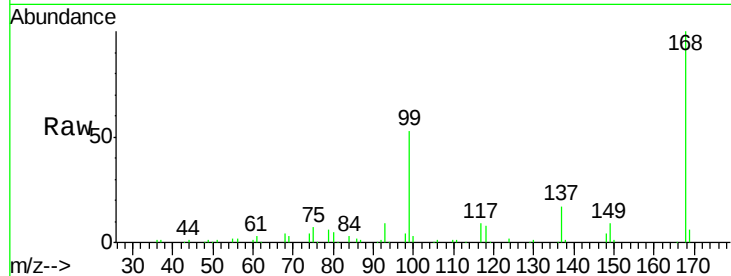
NB-21944

Tgt Ion:168 Resp: 174838

Ion Ratio Lower Upper

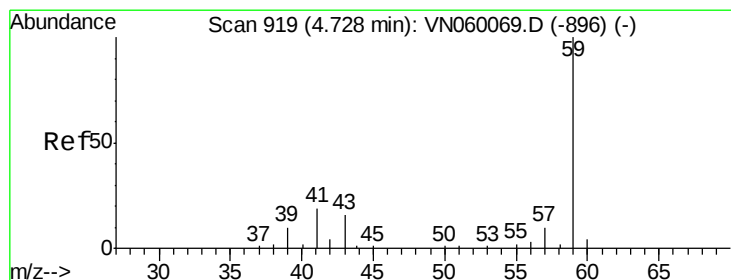
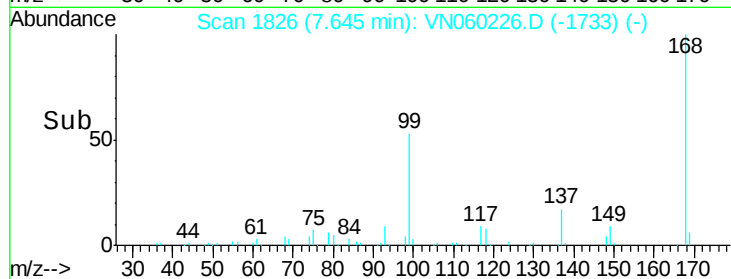
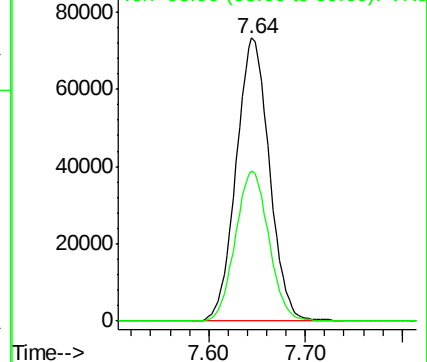
168 100

99 53.1 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 1.39 ug/l

RT: 4.73 min Scan# 919

Delta R.T. 0.00 min

Lab File: VN060226.D

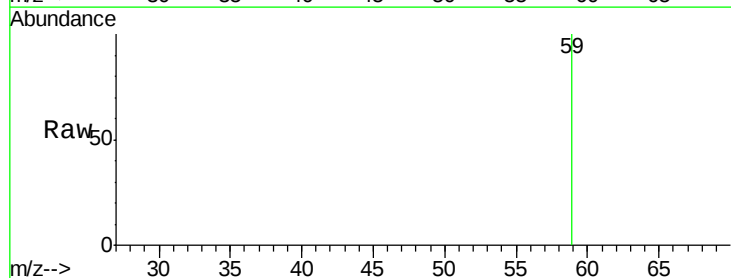
Acq: 25 Feb 2020 12:11

Tgt Ion: 59 Resp: 443

Ion Ratio Lower Upper

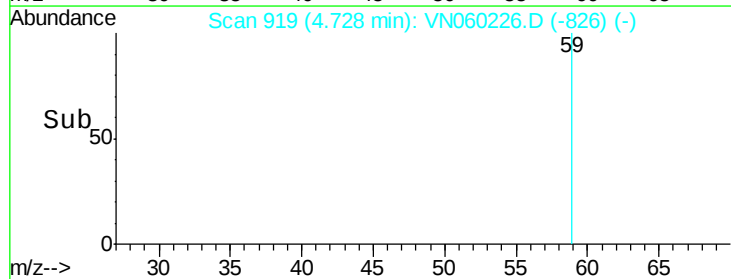
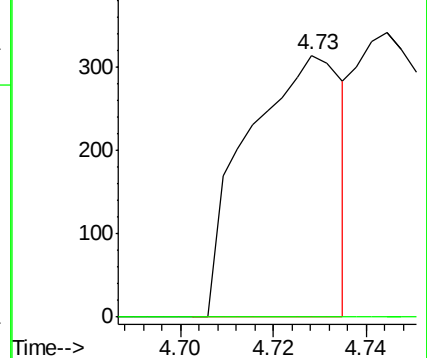
59 100

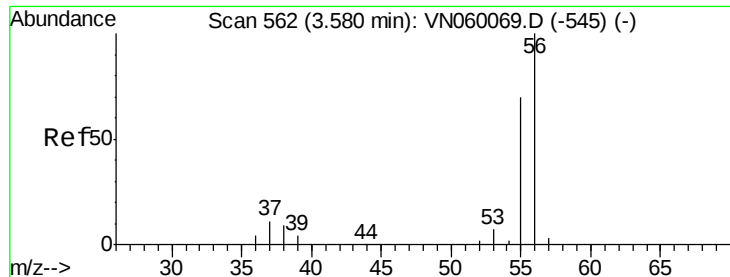
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#13

Acrolein

Concen: 0.20 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.18 min

Lab File: VN060226.D

Acq: 25 Feb 2020 12:11

Instrument :

MSVOA_N

ClientSampled :

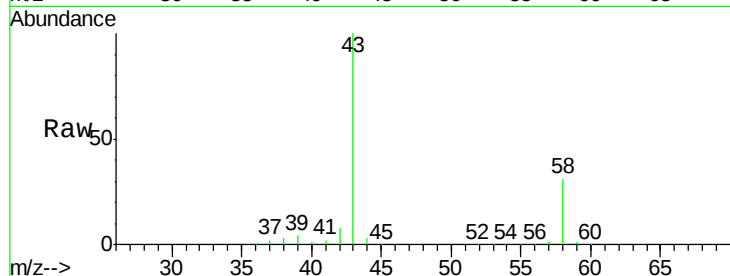
NB-21944

Tgt Ion: 56 Resp: 63

Ion Ratio Lower Upper

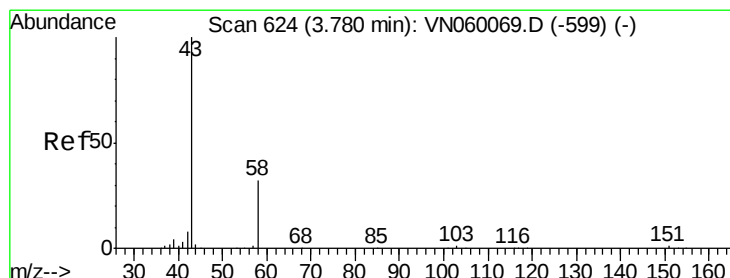
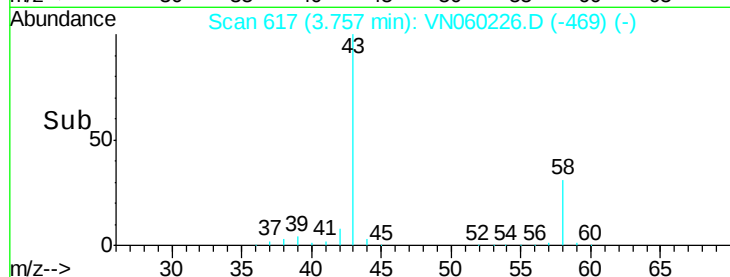
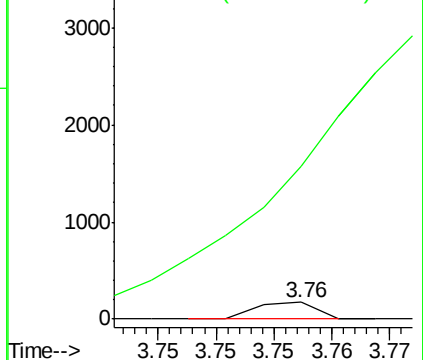
56 100

55 0.0 54.8 82.2#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 3686.49 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN060226.D

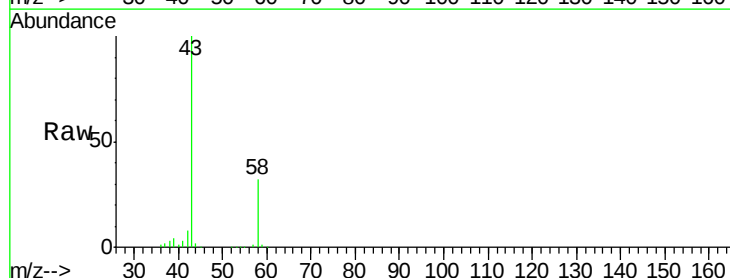
Acq: 25 Feb 2020 12:11

Tgt Ion: 43 Resp: 3421044

Ion Ratio Lower Upper

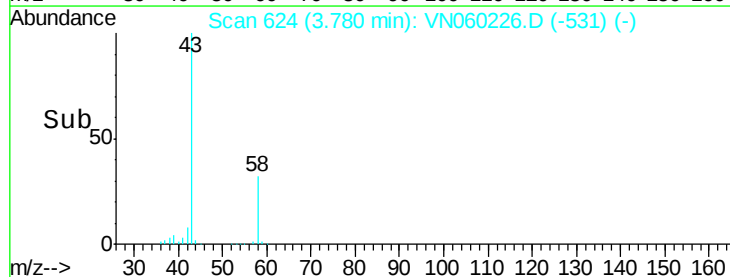
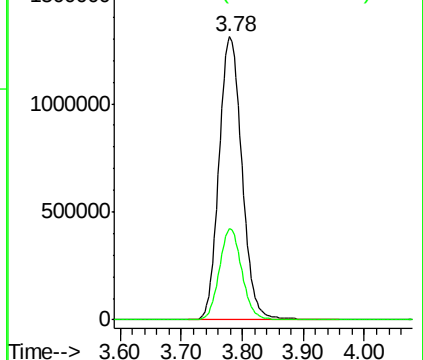
43 100

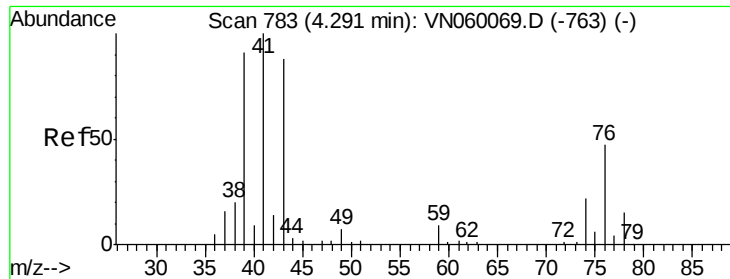
58 32.1 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

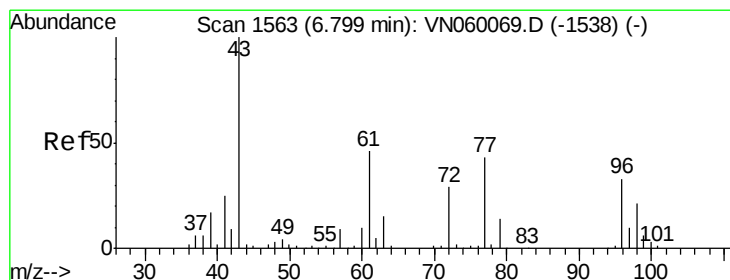
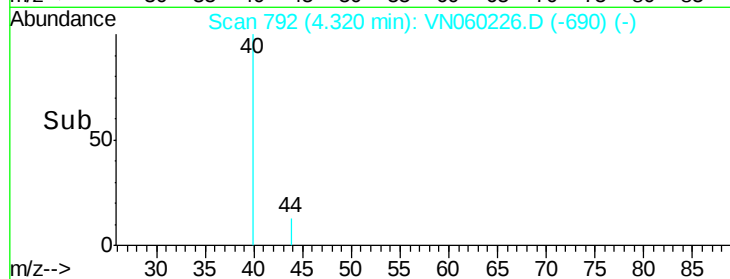
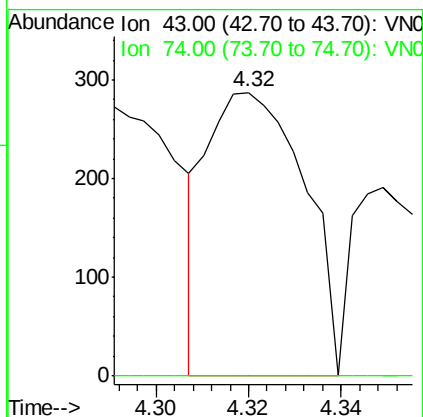
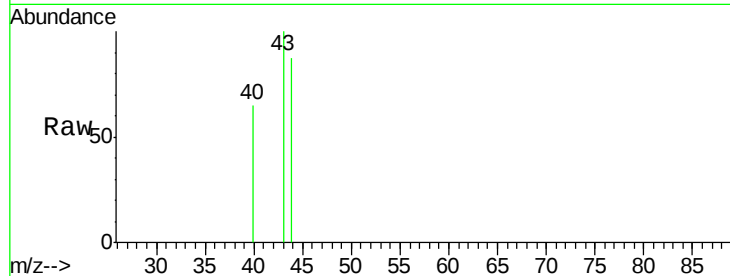




#18
Methyl Acetate
Concen: 0.24 ug/l
RT: 4.32 min Scan# 792
Delta R.T. 0.03 min
Lab File: VN060226.D
Acq: 25 Feb 2020 12:11

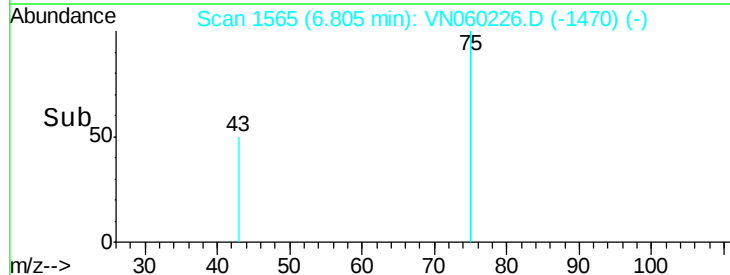
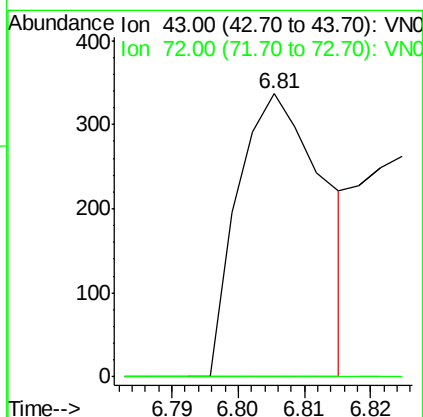
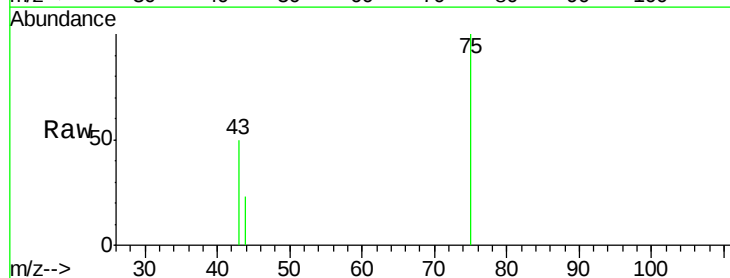
Instrument :
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NB-21944

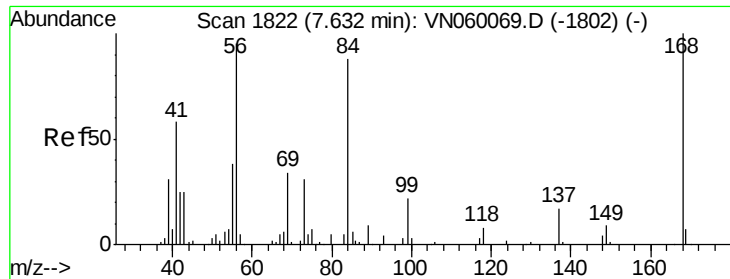
Tgt Ion: 43 Resp: 417
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#25
2-Butanone
Concen: 0.26 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.01 min
Lab File: VN060226.D
Acq: 25 Feb 2020 12:11

Tgt Ion: 43 Resp: 306
Ion Ratio Lower Upper
43 100
72 0.0 23.3 34.9#

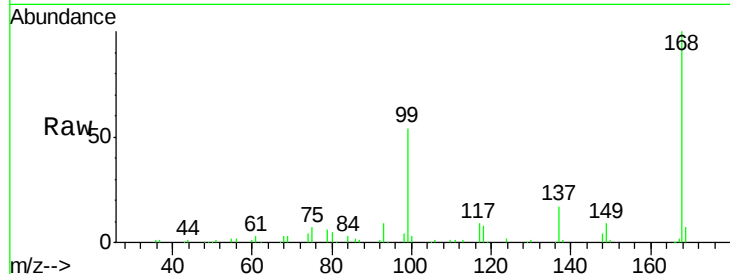




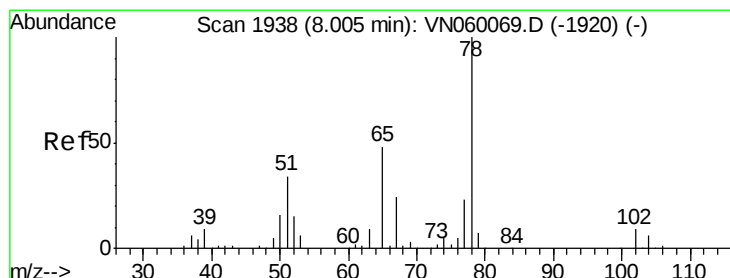
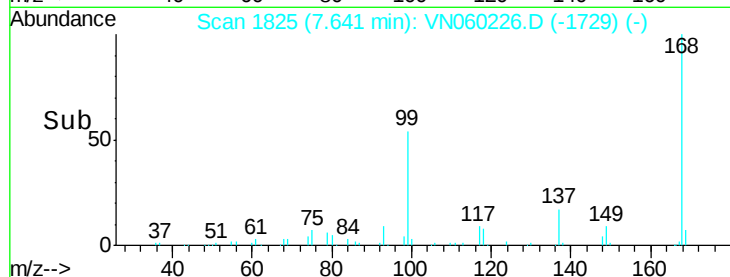
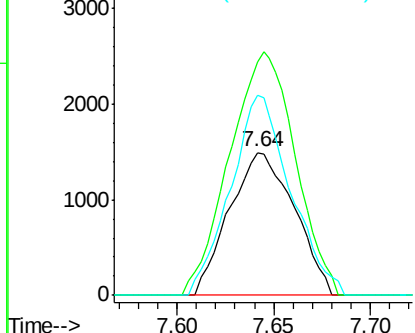
#31
Cyclohexane
Concen: 1.16 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060226.D
Acq: 25 Feb 2020 12:11

Instrument :
MSVOA_N
ClientSampleId :
NB-21944

Tgt Ion: 56 Resp: 3486
Ion Ratio Lower Upper
56 100
69 163.2 28.3 42.5#
84 140.2 72.6 108.8#

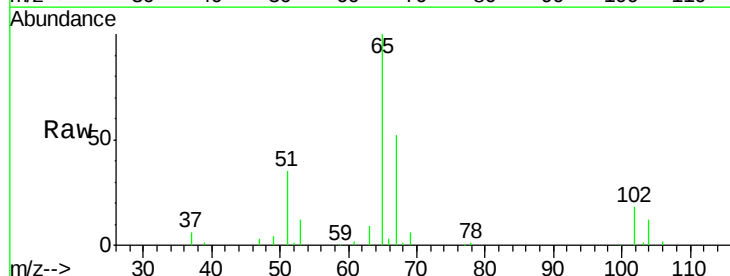


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

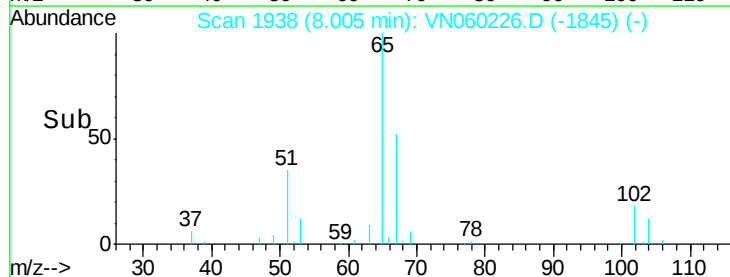
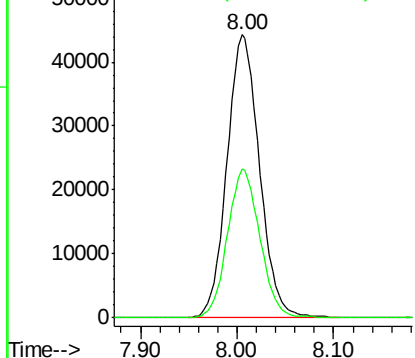


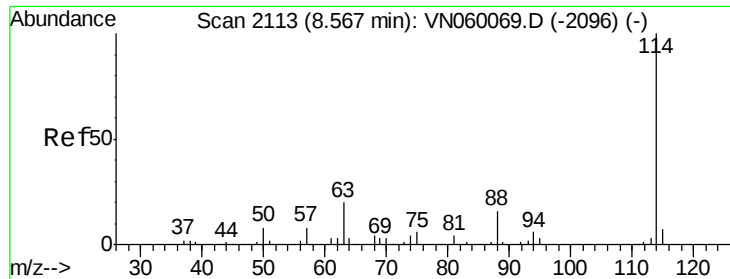
#33
1,2-Dichloroethane-d4
Concen: 48.60 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN060226.D
Acq: 25 Feb 2020 12:11

Tgt Ion: 65 Resp: 103399
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

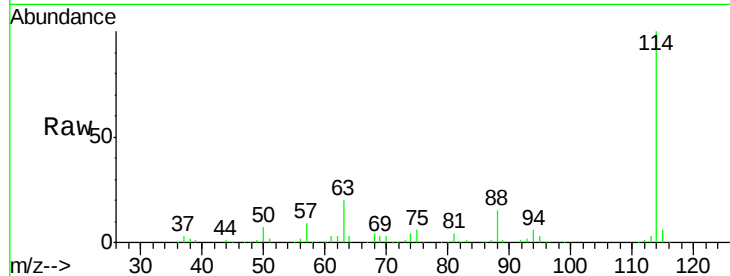




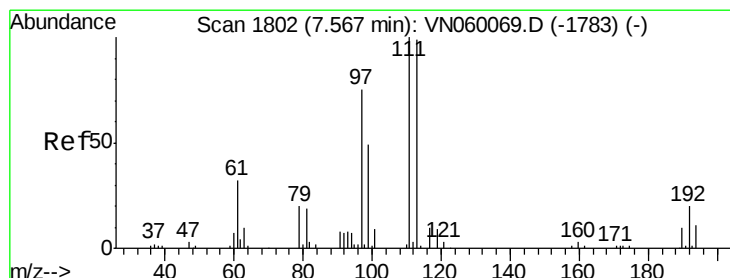
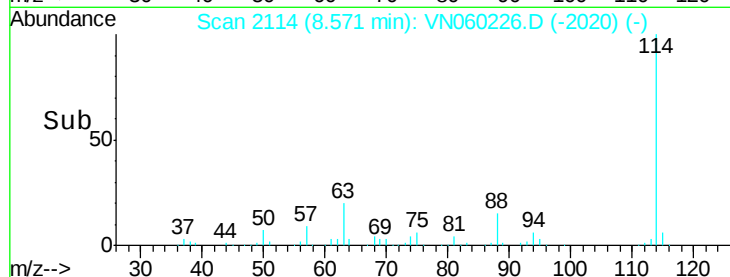
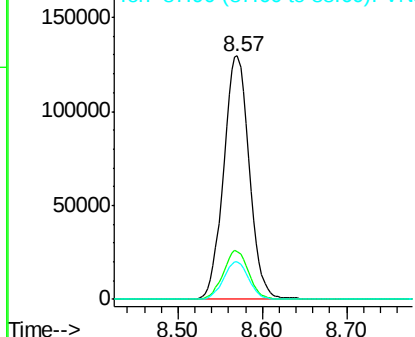
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.57 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VN060226.D
Acq: 25 Feb 2020 12:11

Instrument :
MSVOA_N
ClientSampleId :
NB-21944

Tgt Ion:114 Resp: 273443
Ion Ratio Lower Upper
114 100
63 19.9 0.0 40.0
88 15.2 0.0 31.6

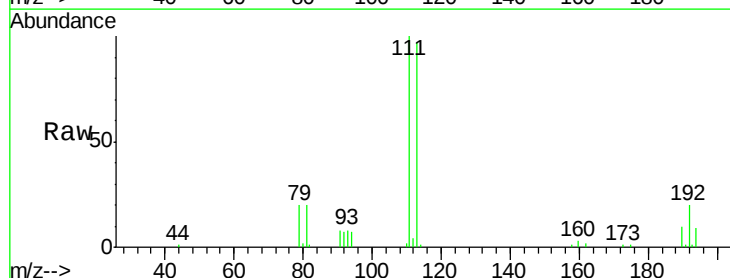


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

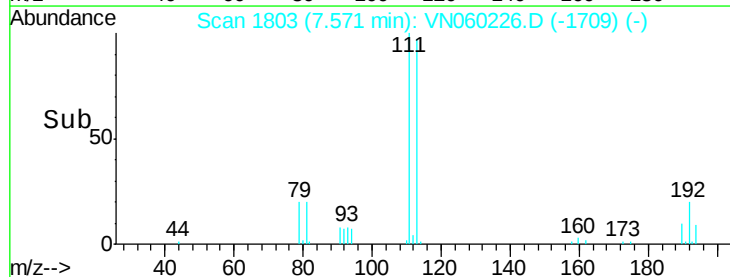
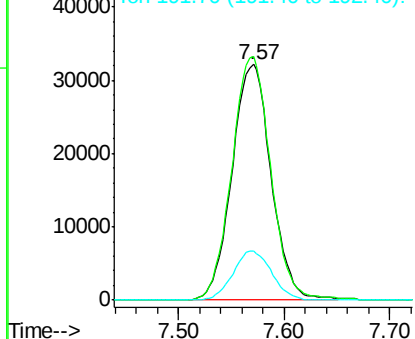


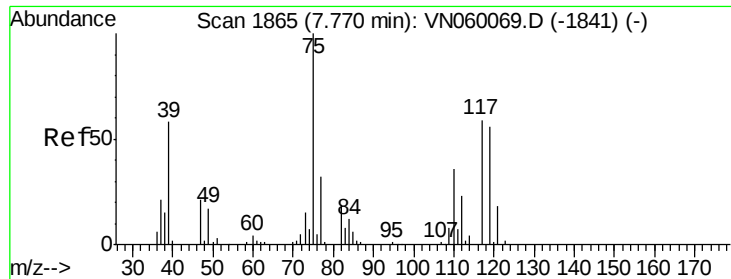
#35
Dibromofluoromethane
Concen: 49.22 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN060226.D
Acq: 25 Feb 2020 12:11

Tgt Ion:113 Resp: 82727
Ion Ratio Lower Upper
113 100
111 103.2 81.4 122.2
192 20.4 16.2 24.2



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

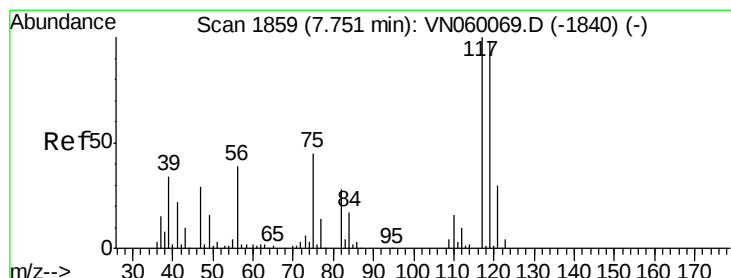
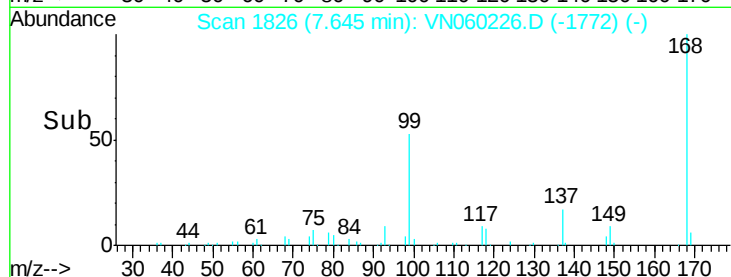
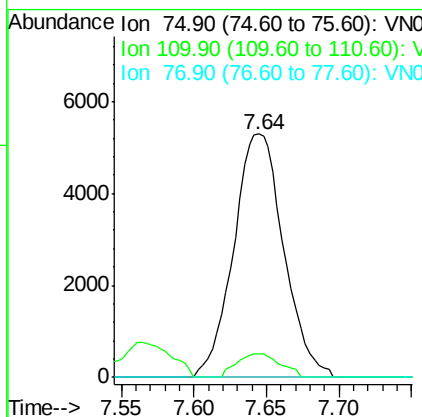
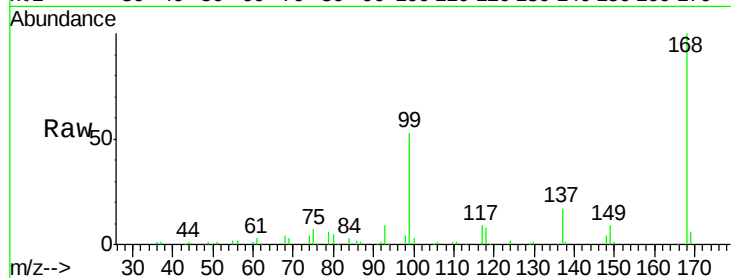




#36
 1,1-Dichloropropene
 Concen: 5.01 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN060226.D
 Acq: 25 Feb 2020 12:11

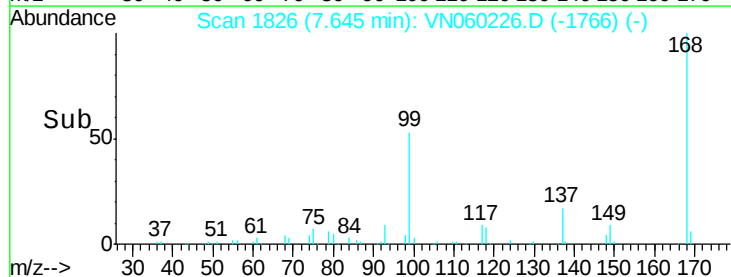
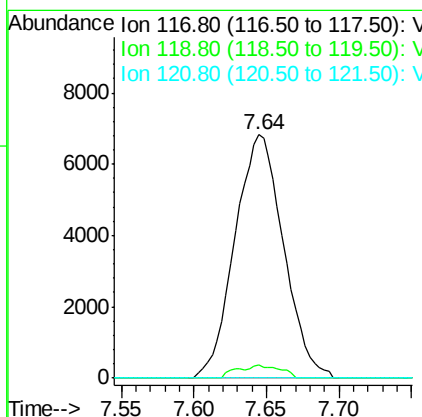
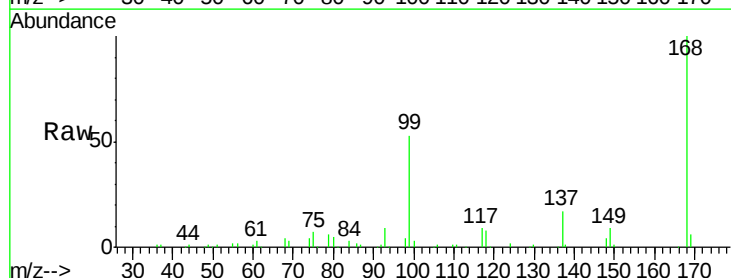
Instrument :
 MSVOA_N
 ClientSampled :
 NB-21944

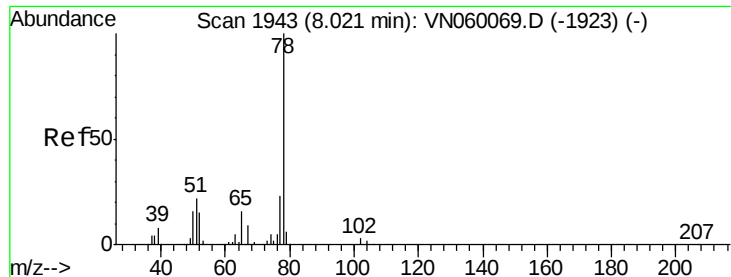
Tgt Ion: 75 Resp: 12692
 Ion Ratio Lower Upper
 75 100
 110 8.4 18.1 54.3#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 5.79 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN060226.D
 Acq: 25 Feb 2020 12:11

Tgt Ion: 117 Resp: 15925
 Ion Ratio Lower Upper
 117 100
 119 5.2 78.2 117.4#
 121 0.0 24.2 36.2#





#40

Benzene

Concen: 0.24 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN060226.D

Acq: 25 Feb 2020 12:11

Instrument :

MSVOA_N

ClientSampleId :

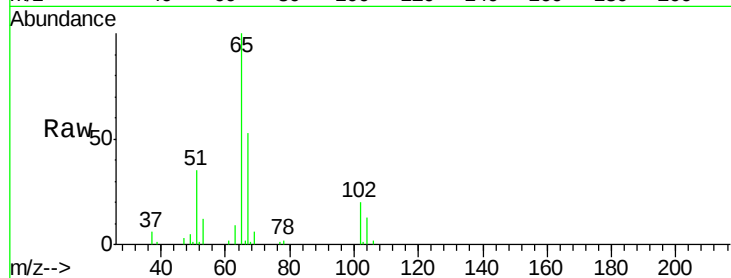
NB-21944

Tgt Ion: 78 Resp: 1790

Ion Ratio Lower Upper

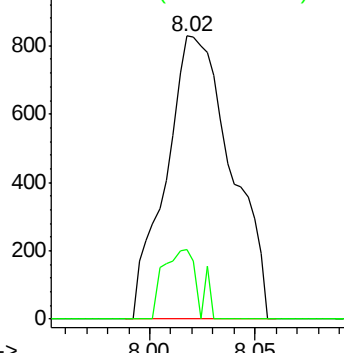
78 100

77 24.8 18.8 28.2

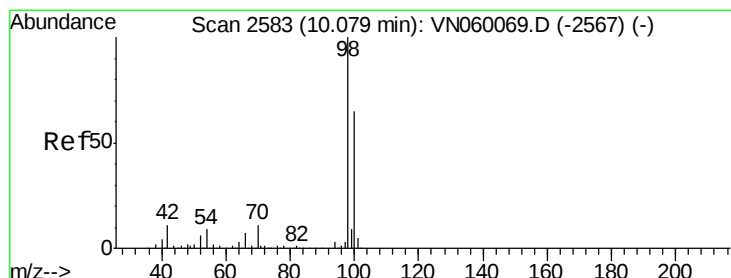
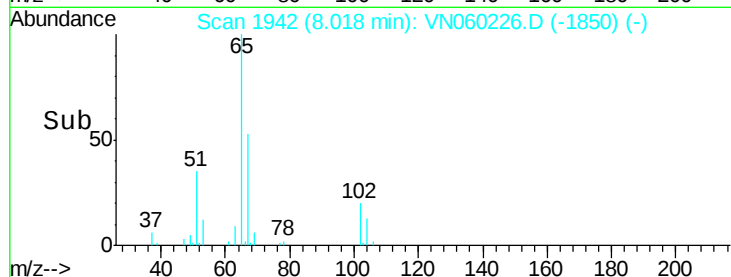


Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



Time-->



#50

Toluene-d8

Concen: 49.69 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060226.D

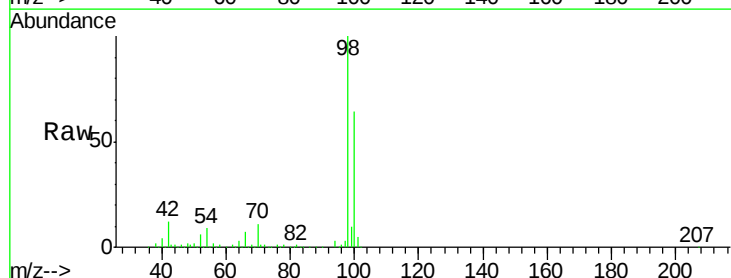
Acq: 25 Feb 2020 12:11

Tgt Ion: 98 Resp: 328913

Ion Ratio Lower Upper

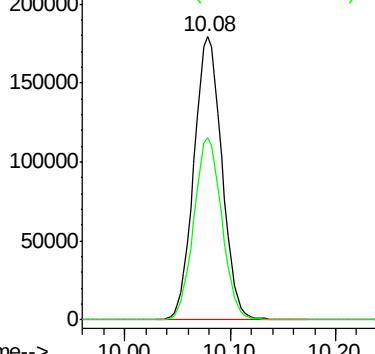
98 100

100 64.5 51.7 77.5

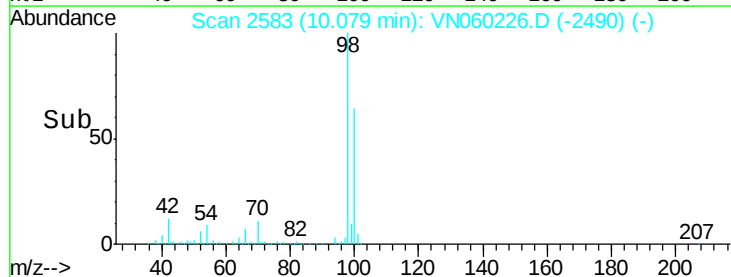


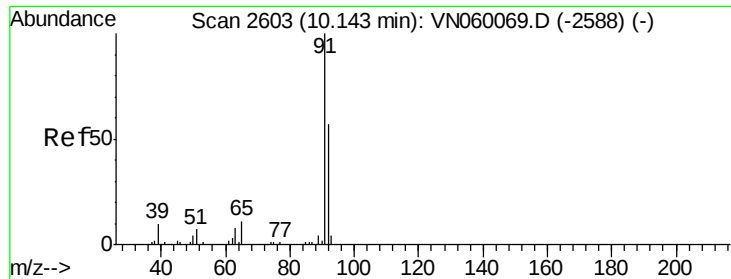
Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0



Time-->





#52

Toluene

Concen: 52.75 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060226.D

Acq: 25 Feb 2020 12:11

Instrument :

MSVOA_N

ClientSampled :

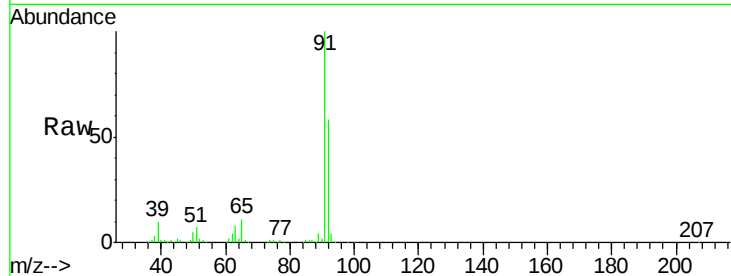
NB-21944

Tgt Ion: 92 Resp: 254143

Ion Ratio Lower Upper

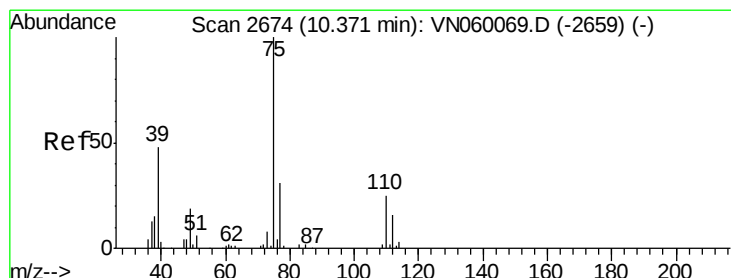
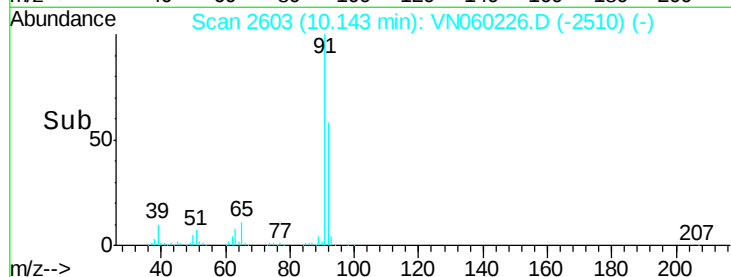
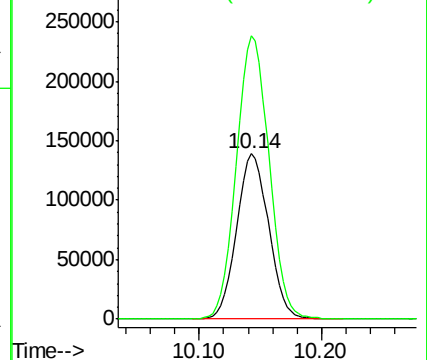
92 100

91 174.5 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#53

t-1,3-Dichloropropene

Concen: 1.01 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.23 min

Lab File: VN060226.D

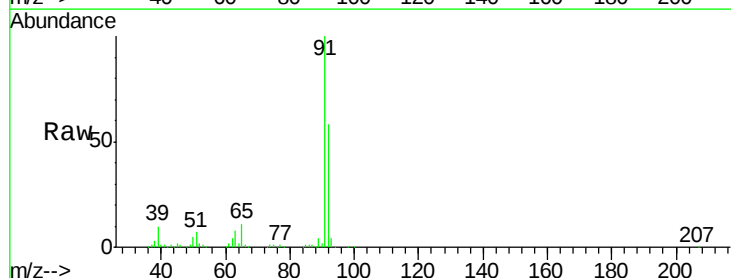
Acq: 25 Feb 2020 12:11

Tgt Ion: 75 Resp: 3052

Ion Ratio Lower Upper

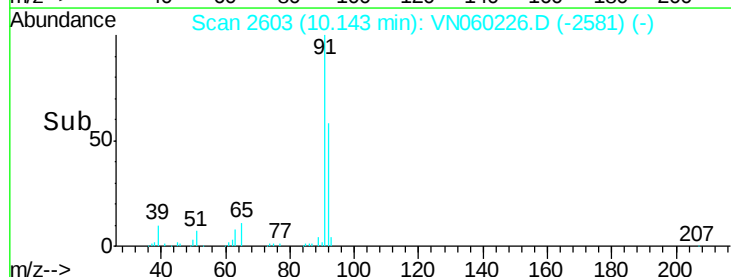
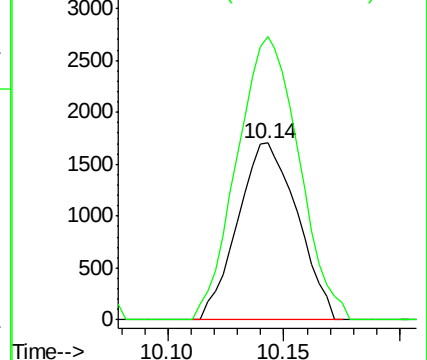
75 100

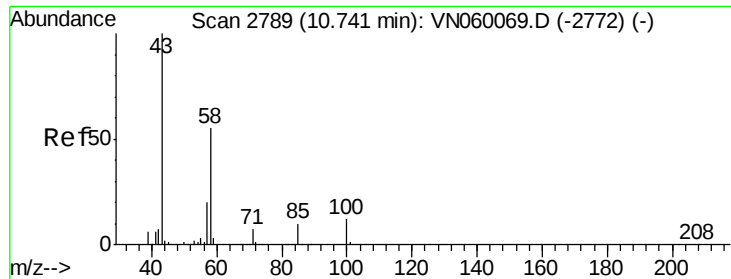
77 160.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

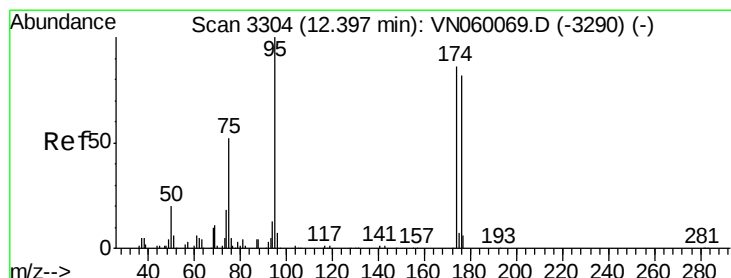
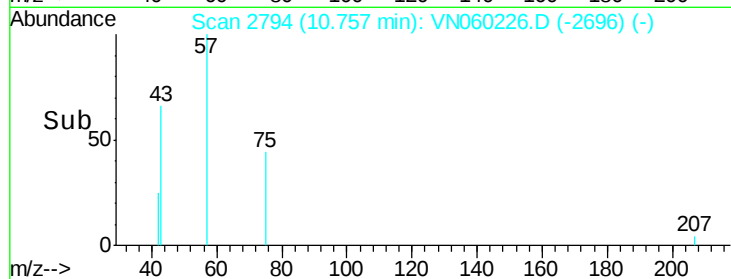
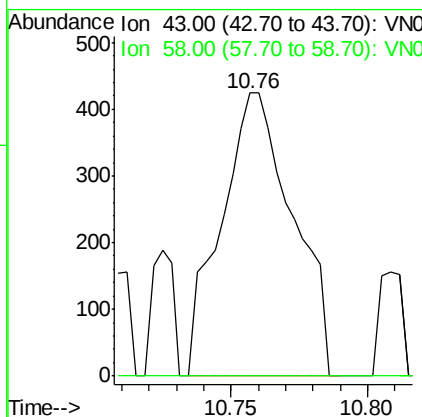
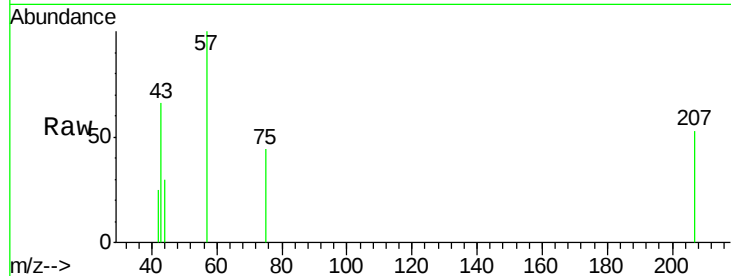




#59
 2-Hexanone
 Concen: 0.44 ug/l
 RT: 10.76 min Scan# 2794
 Delta R.T. 0.02 min
 Lab File: VN060226.D
 Acq: 25 Feb 2020 12:11

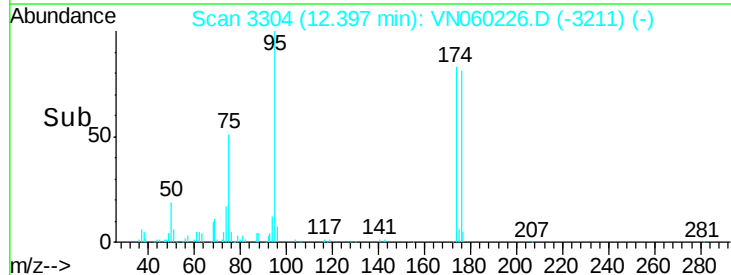
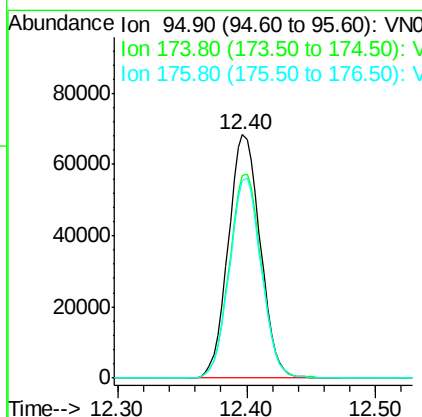
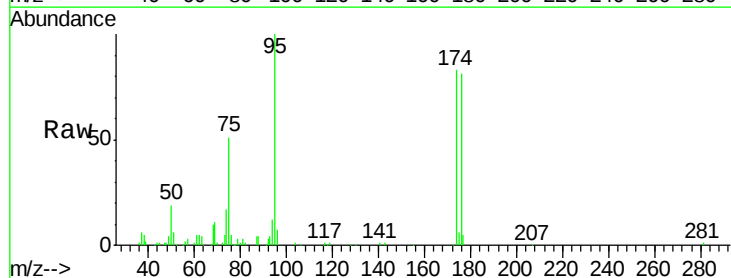
Instrument :
 MSVOA_N
 ClientSampled :
 NB-21944

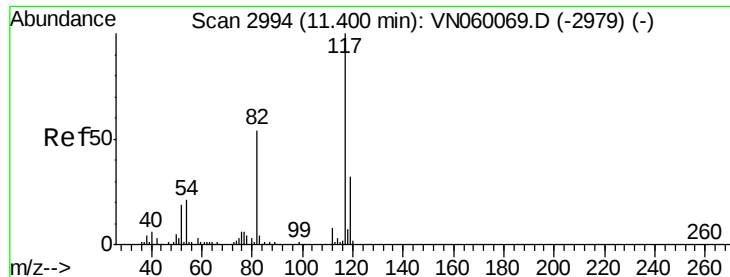
Tgt Ion: 43 Resp: 774
 Ion Ratio Lower Upper
 43 100
 58 0.0 27.5 82.4#



#62
 4-Bromofluorobenzene
 Concen: 48.55 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060226.D
 Acq: 25 Feb 2020 12:11

Tgt Ion: 95 Resp: 118074
 Ion Ratio Lower Upper
 95 100
 174 84.3 0.0 169.8
 176 81.9 0.0 164.8

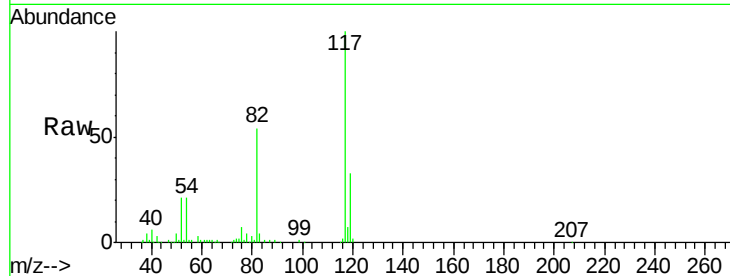




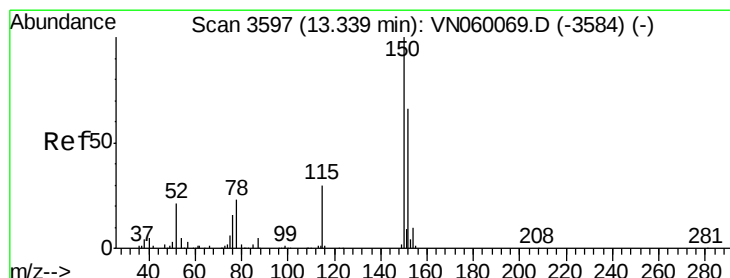
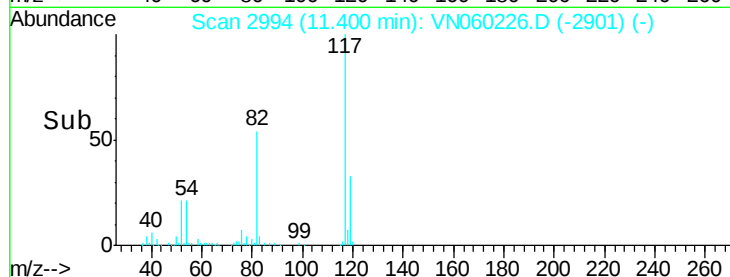
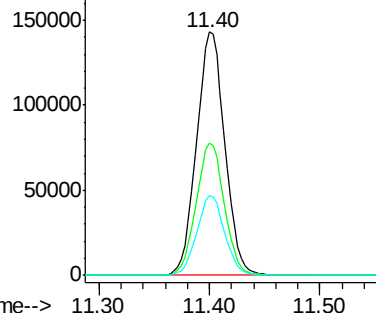
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060226.D
Acq: 25 Feb 2020 12:11

Instrument :
MSVOA_N
ClientSampleId :
NB-21944

Tgt Ion:117 Resp: 254123
Ion Ratio Lower Upper
117 100
82 54.3 43.4 65.0
119 32.6 25.8 38.6

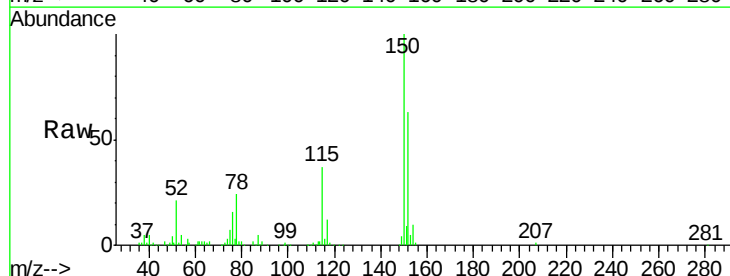


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

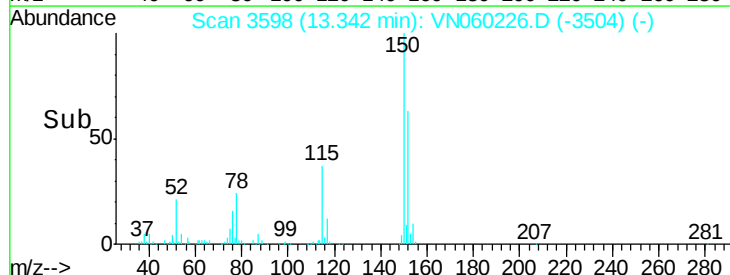
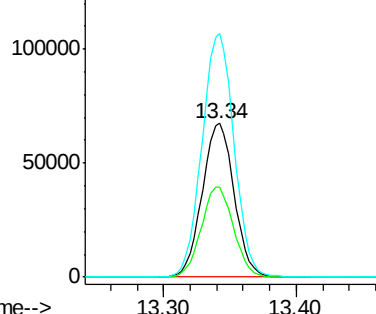


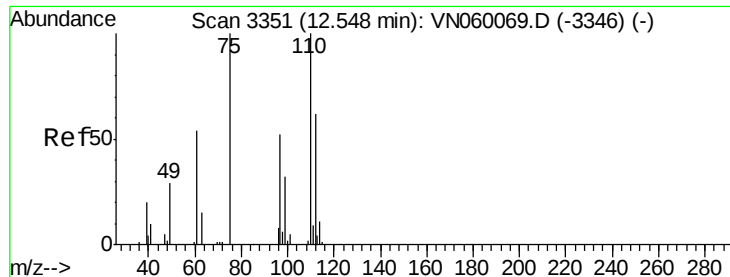
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN060226.D
Acq: 25 Feb 2020 12:11

Tgt Ion:152 Resp: 112830
Ion Ratio Lower Upper
152 100
115 59.0 28.9 86.8
150 158.9 0.0 342.4



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





#76

1,2,3-Trichloropropane

Concen: 27.52 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060226.D

Acq: 25 Feb 2020 12:11

Instrument :

MSVOA_N

ClientSampleId :

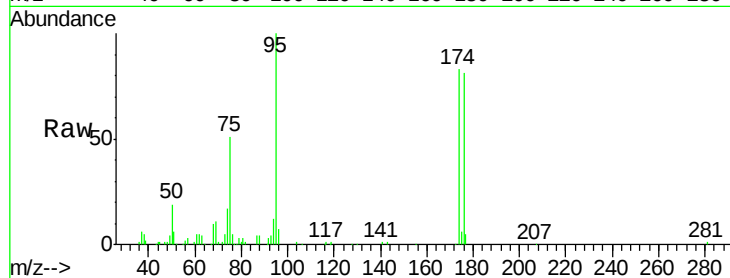
NB-21944

Tgt Ion: 75 Resp: 59401

Ion Ratio Lower Upper

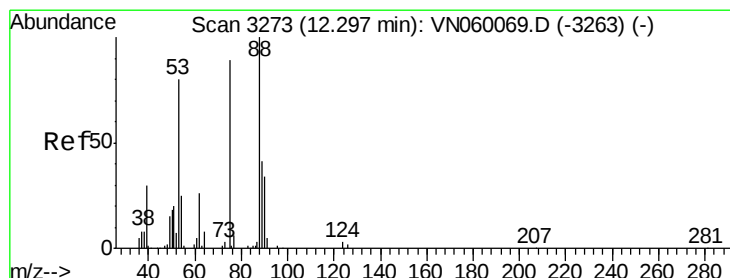
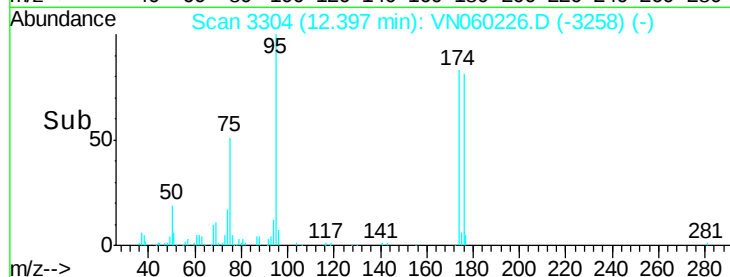
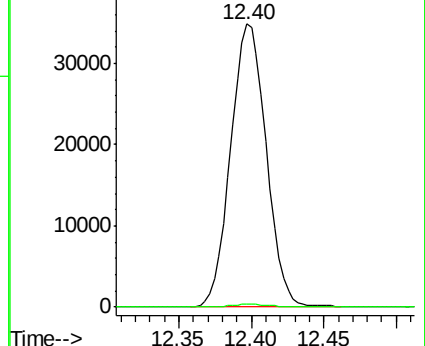
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 67.38 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060226.D

Acq: 25 Feb 2020 12:11

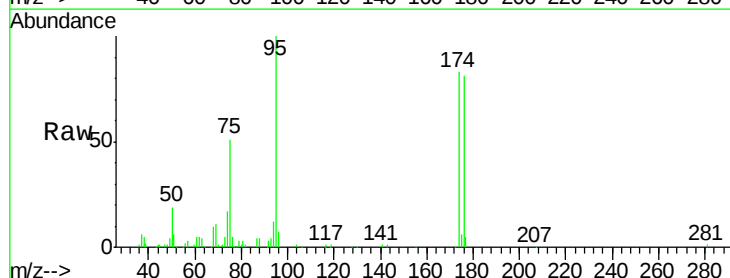
Tgt Ion: 75 Resp: 59401

Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

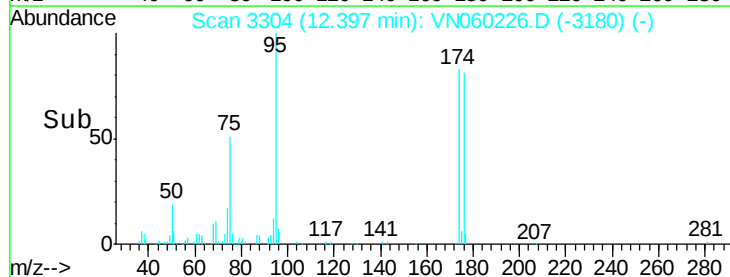
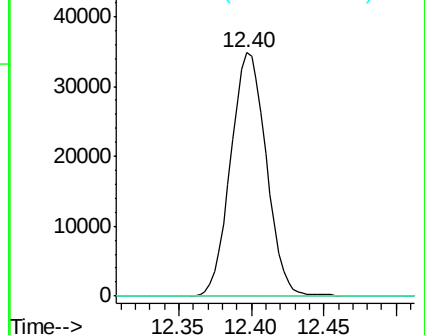
89 0.0 37.0 55.4#

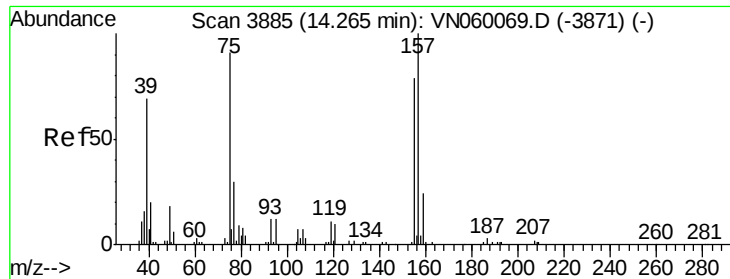


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

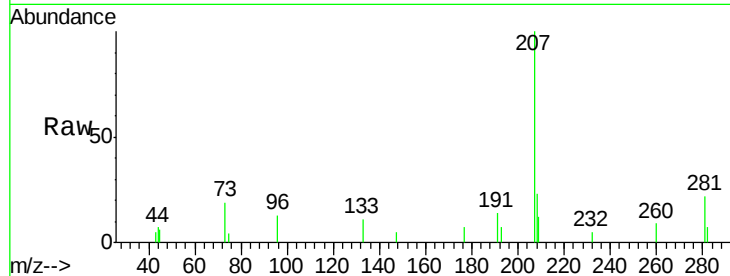




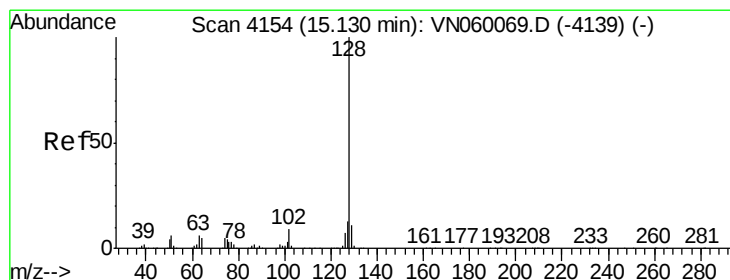
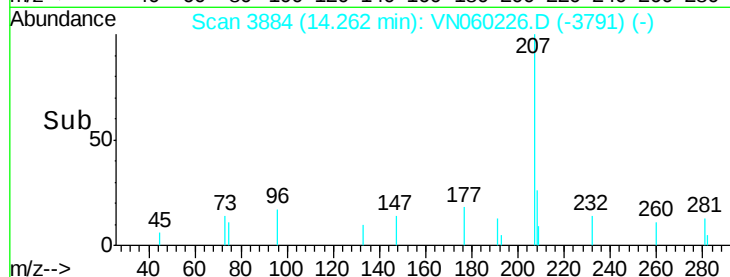
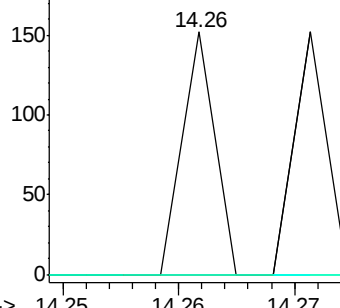
#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.26 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VN060226.D
 Acq: 25 Feb 2020 12:11

Instrument :
 MSVOA_N
 ClientSampled :
 NB-21944

Tgt Ion: 75 Resp: 29
 Ion Ratio Lower Upper
 75 100
 155 0.0 43.0 129.0#
 157 0.0 54.9 164.5#

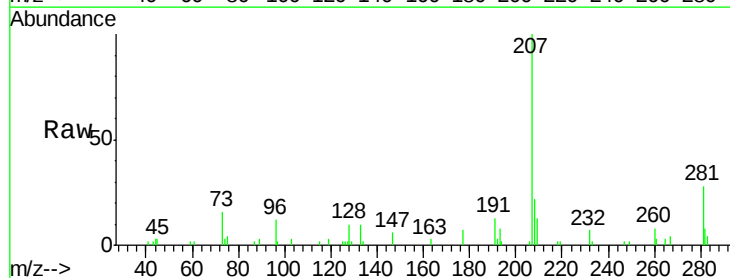


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V



#95
 Naphthalene
 Concen: 0.32 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.01 min
 Lab File: VN060226.D
 Acq: 25 Feb 2020 12:11

Tgt Ion: 128 Resp: 1826
 Ion Ratio Lower Upper
 128 100
 127 7.5 10.3 15.5#
 129 8.0 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

