

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081420\
 Data File : VN062962.D
 Acq On : 15 Aug 2020 3:00
 Operator : JC/MD
 Sample : L3501-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 NB-08-081220

Quant Time: Aug 17 09:34:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	182268	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	341455	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	248578	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	86846	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	153238	50.84	ug/l	0.00
Spiked Amount			Recovery	=	101.68%	
35) Dibromofluoromethane	7.55	113	116190	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
50) Toluene-d8	10.06	98	308608	33.84	ug/l	0.00
Spiked Amount			Recovery	=	67.68%	
62) 4-Bromofluorobenzene	12.38	95	110904	32.18	ug/l	0.00
Spiked Amount			Recovery	=	64.36%	

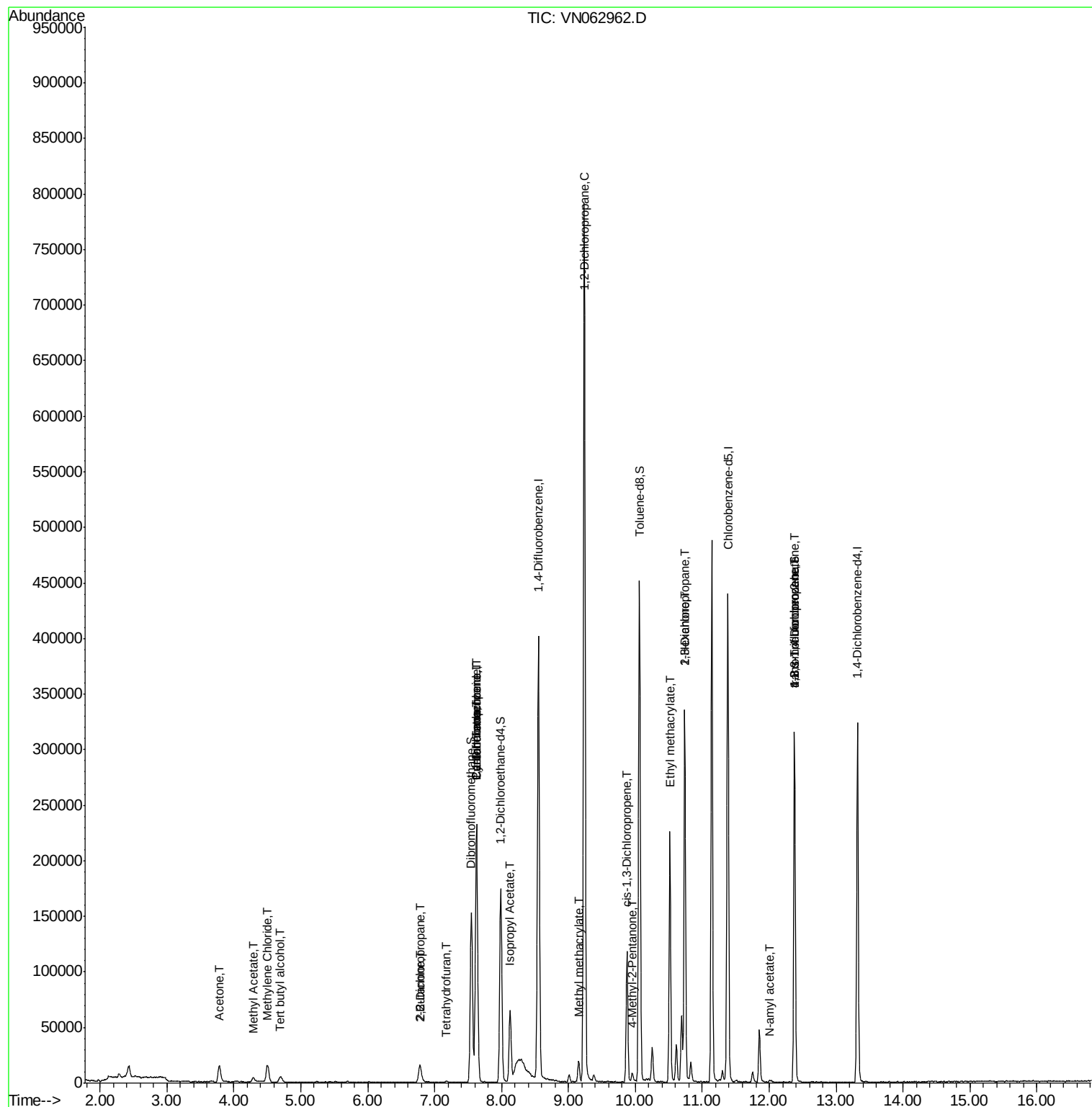
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.70	59	5448	11.028	ug/l #	72
16) Acetone	3.78	43	26103	23.967	ug/l	93
17) Carbon Disulfide	4.01	76	172	Below Cal	#	74
18) Methyl Acetate	4.29	43	9439	2.593	ug/l #	80
20) Methylene Chloride	4.51	84	11188	4.928	ug/l #	95
25) 2-Butanone	6.80	43	4337	2.812	ug/l #	86
26) 2,2-Dichloropropane	6.77	77	743	0.202	ug/l #	55
29) Tetrahydrofuran	7.18	42	544	0.543	ug/l #	43
31) Cyclohexane	7.63	56	4105	1.123	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	15348	4.616	ug/l #	50
38) Carbon Tetrachloride	7.62	117	17935	4.561	ug/l #	15
43) Isopropyl Acetate	8.13	43	75987	13.117	ug/l	99
45) 1,2-Dichloropropane	9.24	63	1050	0.391	ug/l #	45
48) Methyl methacrylate	9.14	41	2732	0.959	ug/l #	13
51) 4-Methyl-2-Pentanone	9.95	43	5653	1.508	ug/l	98
54) cis-1,3-Dichloropropene	9.88	75	20086	4.603	ug/l #	63
56) Ethyl methacrylate	10.52	69	1575	0.400	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	3329	0.749	ug/l #	43
59) 2-Hexanone	10.74	43	48395	17.309	ug/l #	54
74) N-amyl acetate	12.01	43	1740	0.657	ug/l #	44
76) 1,2,3-Trichloropropane	12.38	75	60207	25.706	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	60207	78.473	ug/l #	10

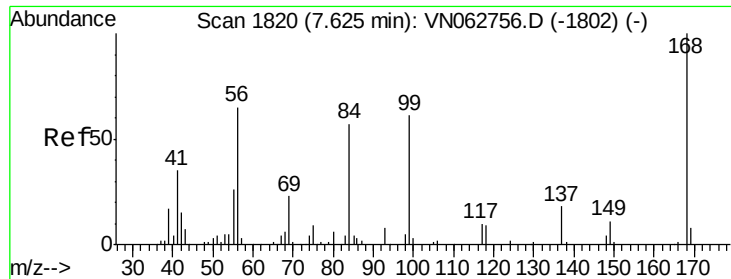
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN081420\
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Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:26:42 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062962.D

Acq: 15 Aug 2020 3:00

Instrument :

MSVOA_N

ClientSampleId :

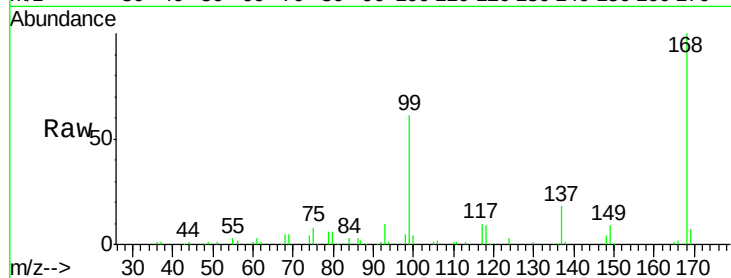
NB-08-081220

Tgt Ion:168 Resp: 182268

Ion Ratio Lower Upper

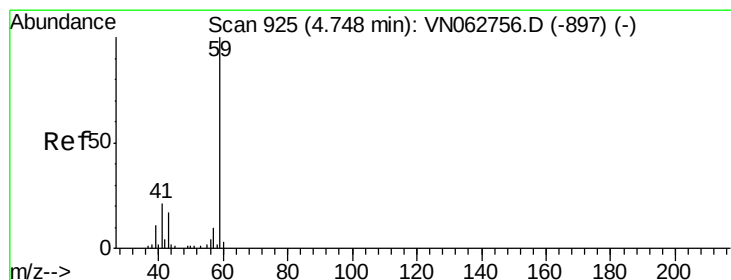
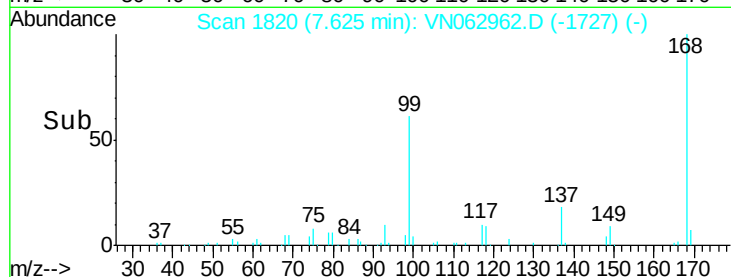
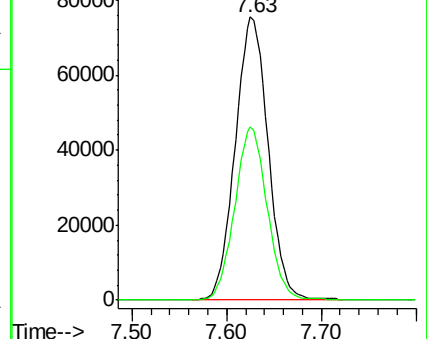
168 100

99 61.1 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#11

Tert butyl alcohol

Concen: 11.028 ug/l

RT: 4.70 min Scan# 909

Delta R.T. -0.05 min

Lab File: VN062962.D

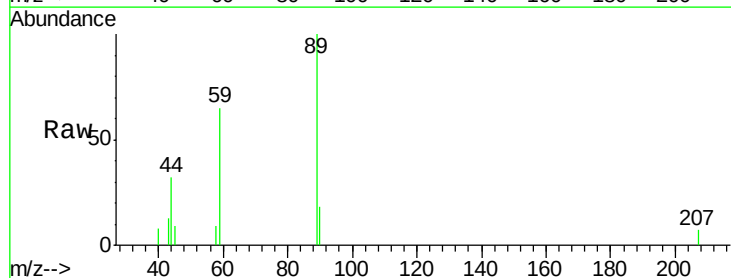
Acq: 15 Aug 2020 3:00

Tgt Ion: 59 Resp: 5448

Ion Ratio Lower Upper

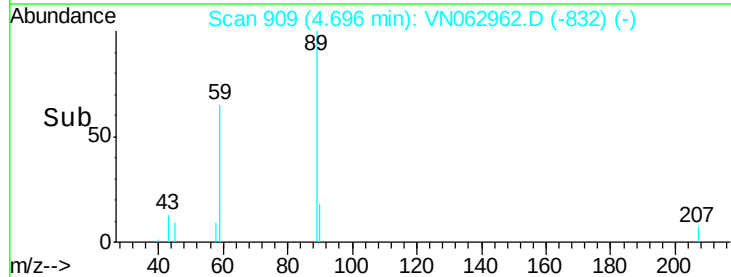
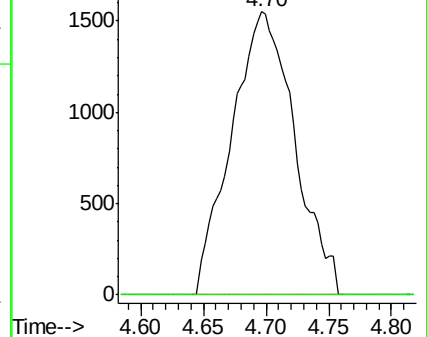
59 100

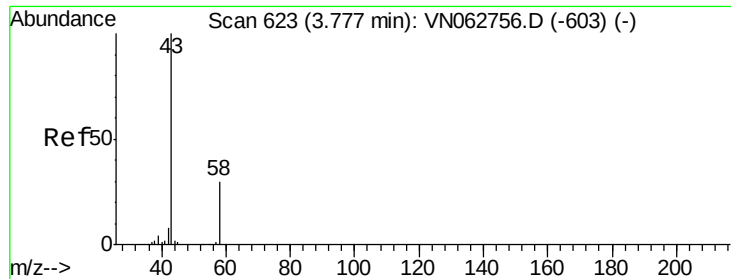
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#16

Acetone

Concen: 23.967 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN062962.D

Acq: 15 Aug 2020 3:00

Instrument :

MSVOA_N

ClientSampled :

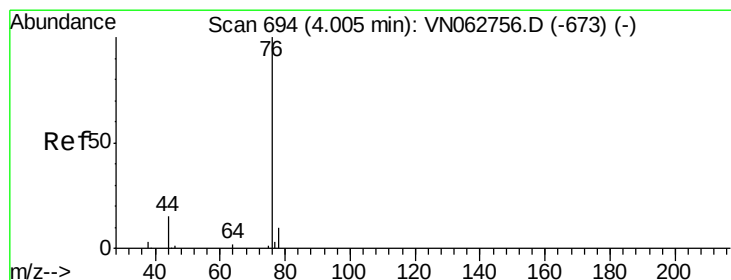
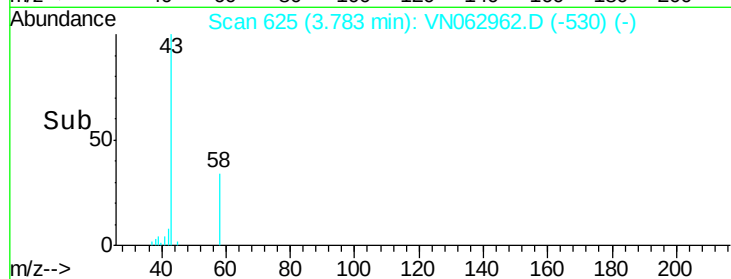
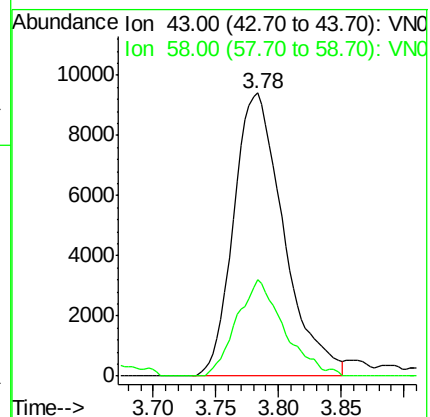
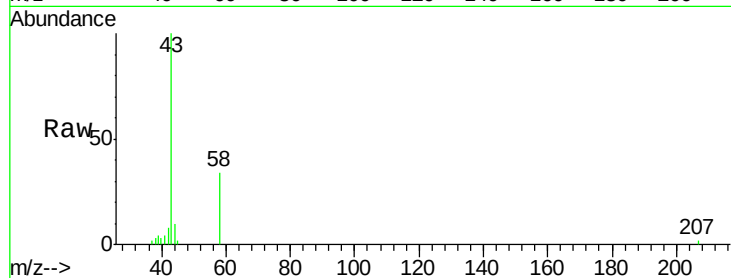
NB-08-081220

Tgt Ion: 43 Resp: 26103

Ion Ratio Lower Upper

43 100

58 34.2 24.1 36.1



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.01 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN062962.D

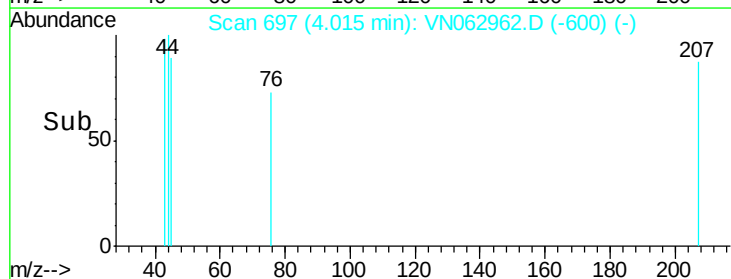
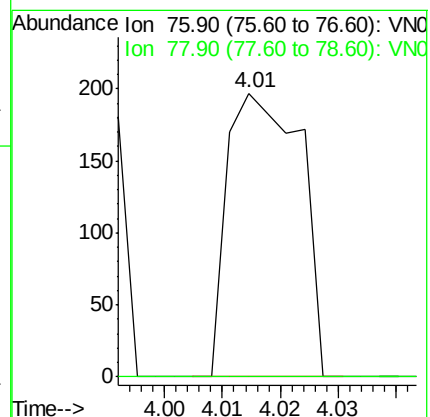
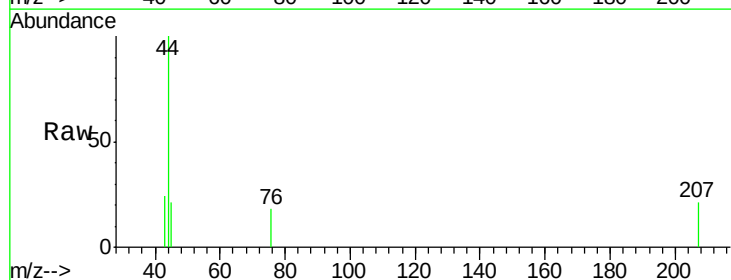
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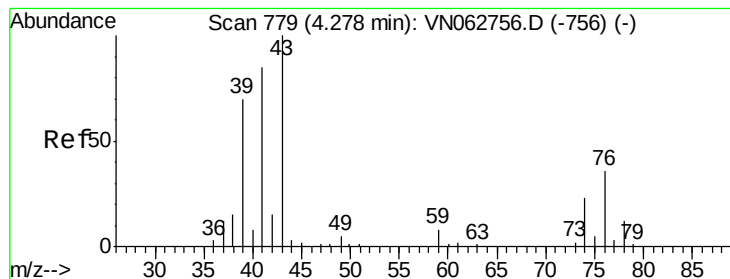
Tgt Ion: 76 Resp: 172

Ion Ratio Lower Upper

76 100

78 0.0 7.7 11.5#





#18

Methyl Acetate

Concen: 2.593 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.01 min

Lab File: VN062962.D

Acq: 15 Aug 2020 3:00

Instrument :

MSVOA_N

ClientSampleId :

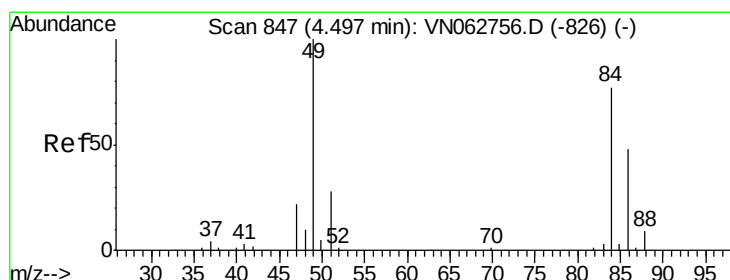
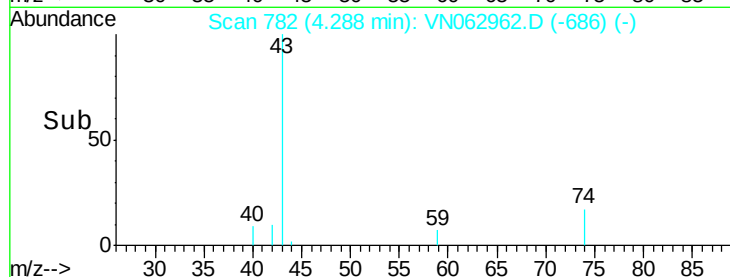
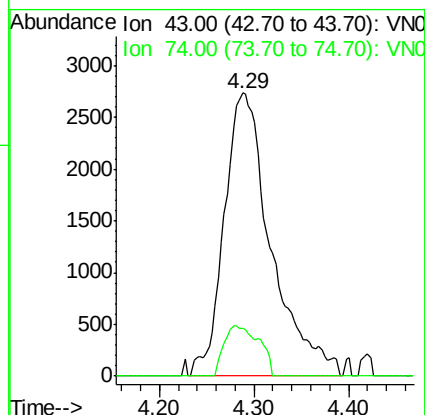
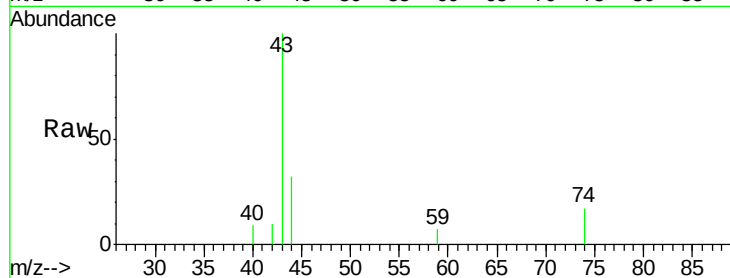
NB-08-081220

Tgt Ion: 43 Resp: 9439

Ion Ratio Lower Upper

43 100

74 13.3 18.6 28.0#



#20

Methylene Chloride

Concen: 4.928 ug/l

RT: 4.51 min Scan# 850

Delta R.T. 0.01 min

Lab File: VN062962.D

Acq: 15 Aug 2020 3:00

Tgt Ion: 84 Resp: 11188

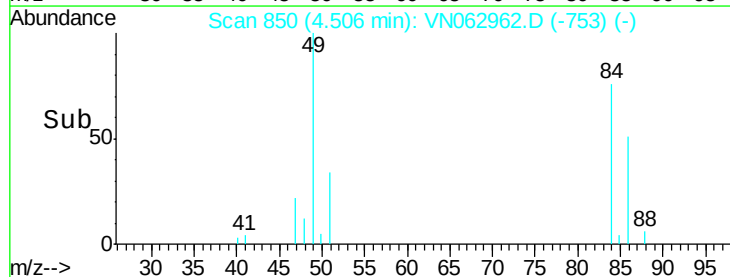
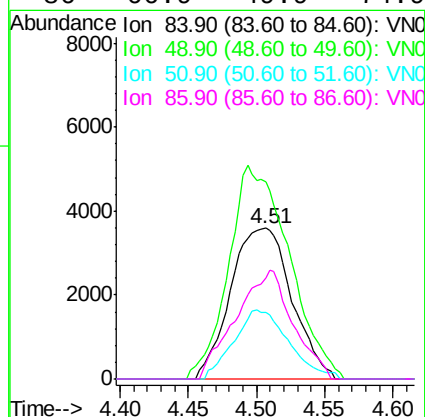
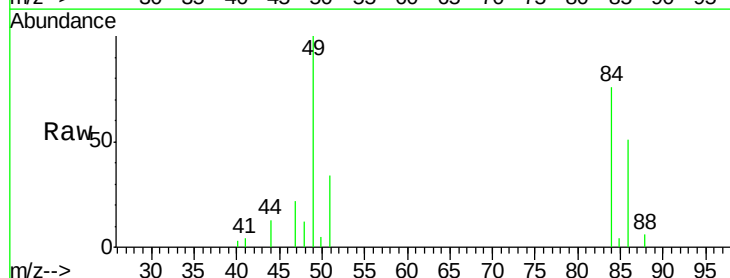
Ion Ratio Lower Upper

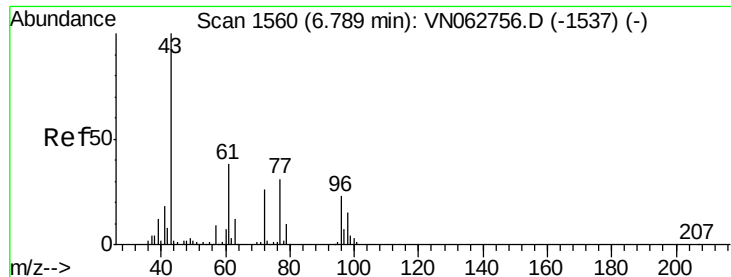
84 100

49 126.5 103.4 155.2

51 44.5 29.3 43.9#

86 66.9 49.9 74.9

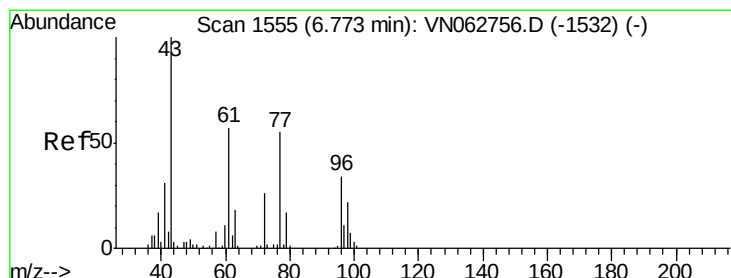
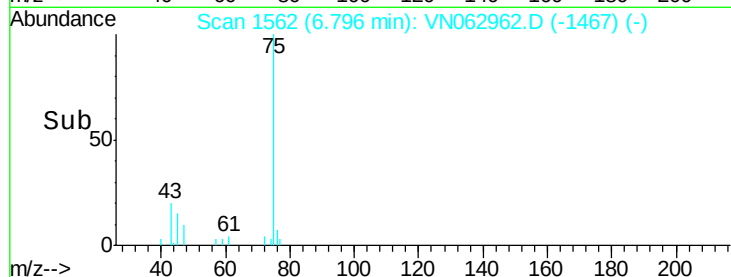
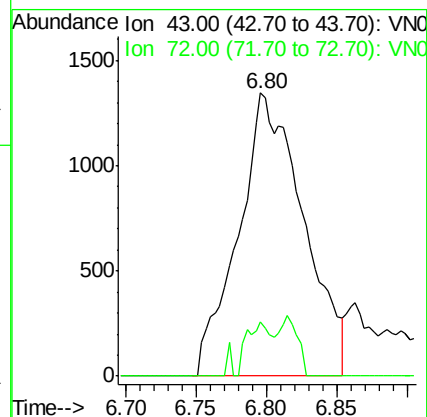
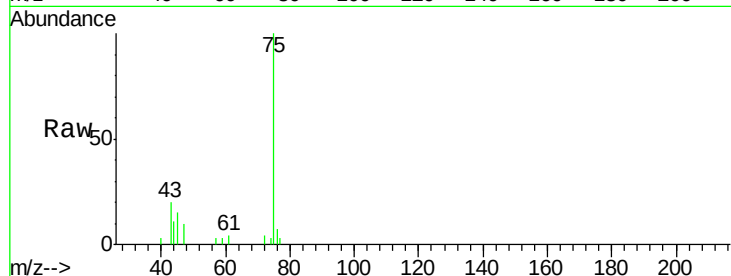




#25
2-Butanone
Concen: 2.812 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.01 min
Lab File: VN062962.D
Acq: 15 Aug 2020 3:00

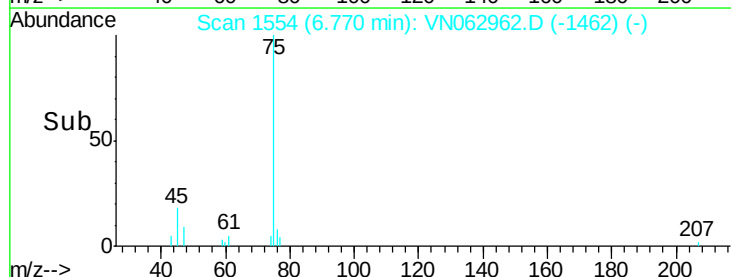
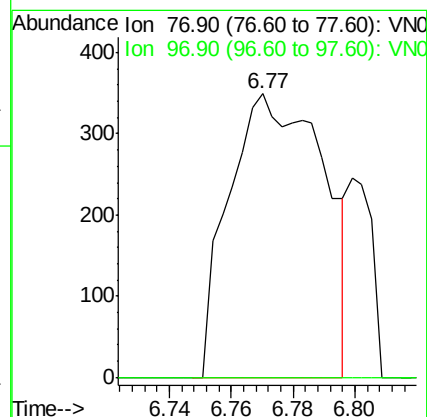
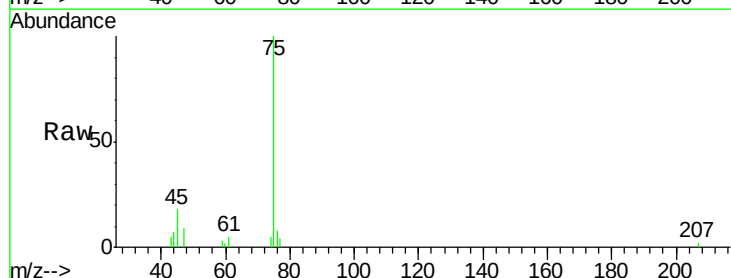
Instrument :
MSVOA_N
ClientSampleId :
NB-08-081220

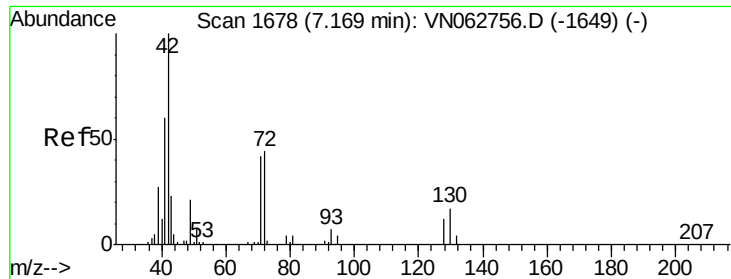
Tgt Ion: 43 Resp: 4337
Ion Ratio Lower Upper
43 100
72 19.0 21.1 31.7#



#26
2,2-Dichloropropane
Concen: 0.202 ug/l
RT: 6.77 min Scan# 1554
Delta R.T. -0.00 min
Lab File: VN062962.D
Acq: 15 Aug 2020 3:00

Tgt Ion: 77 Resp: 743
Ion Ratio Lower Upper
77 100
97 0.0 10.5 31.6#

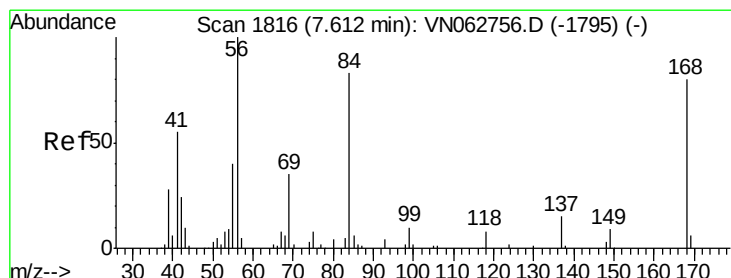
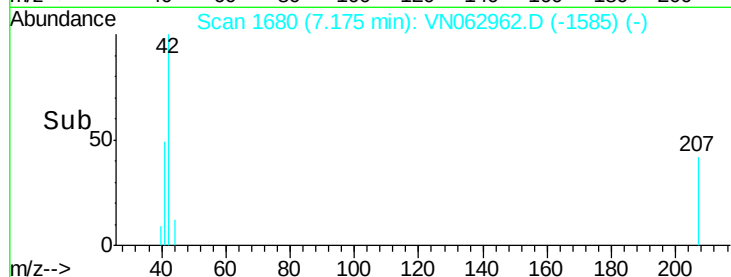
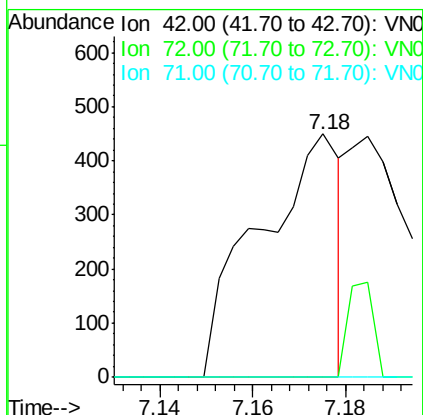
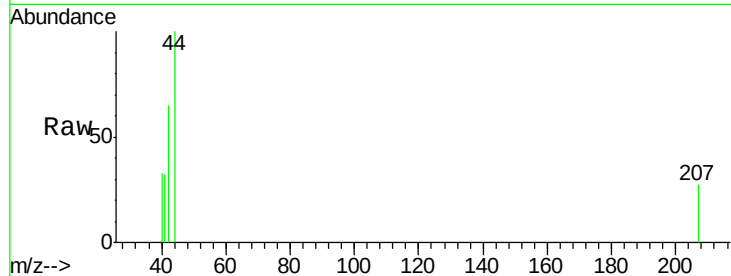




#29
Tetrahydrofuran
Concen: 0.543 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN062962.D
Acq: 15 Aug 2020 3:00

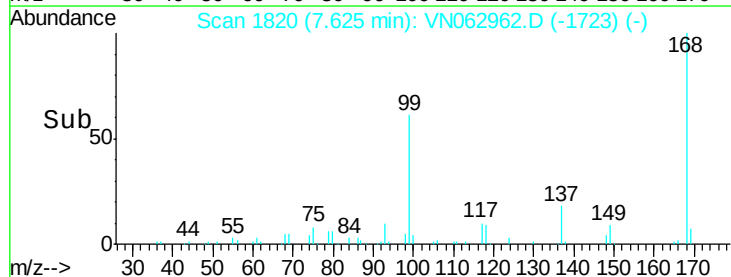
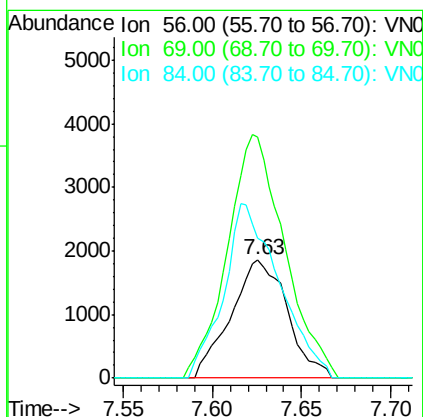
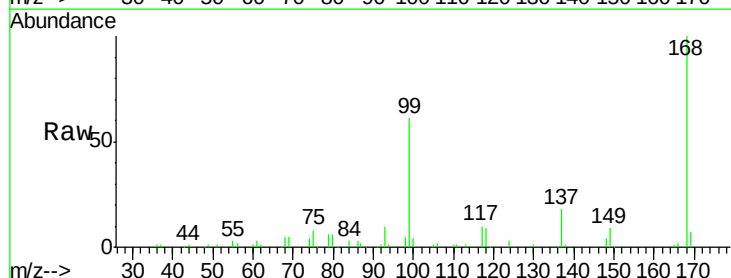
Instrument :
MSVOA_N
ClientSampled :
NB-08-081220

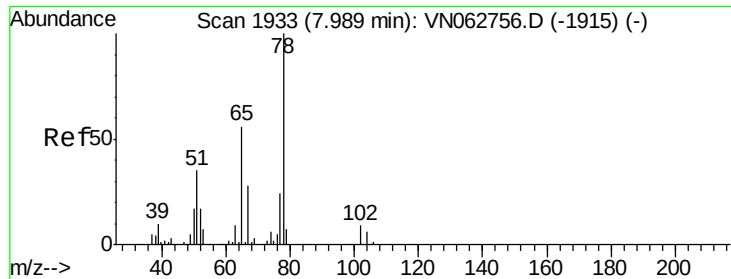
Tgt Ion: 42 Resp: 544
Ion Ratio Lower Upper
42 100
72 12.1 35.0 52.4#
71 0.0 33.2 49.8#



#31
Cyclohexane
Concen: 1.123 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN062962.D
Acq: 15 Aug 2020 3:00

Tgt Ion: 56 Resp: 4105
Ion Ratio Lower Upper
56 100
69 203.5 28.1 42.1#
84 118.6 66.8 100.2#

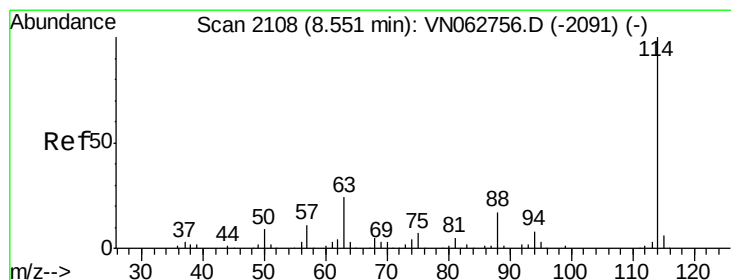
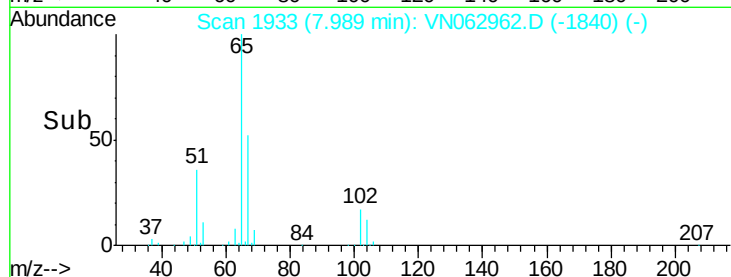
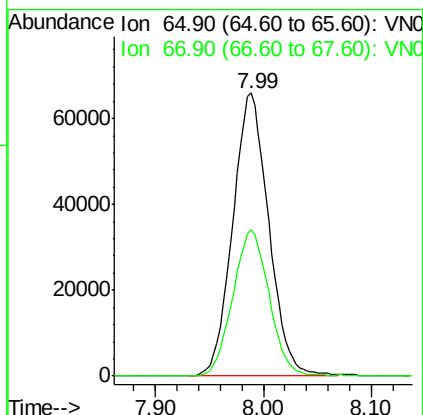
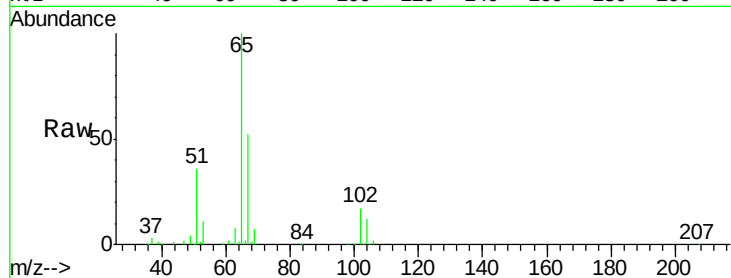




#33
 1,2-Dichloroethane-d4
 Concen: 50.840 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062962.D
 Acq: 15 Aug 2020 3:00

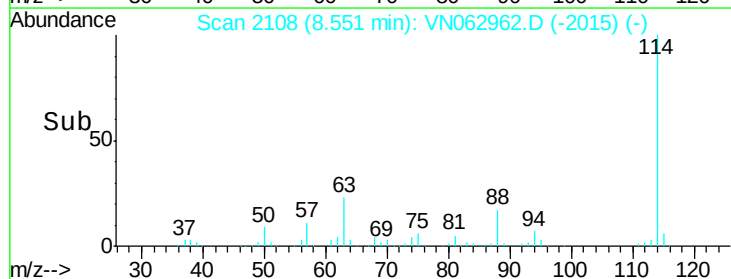
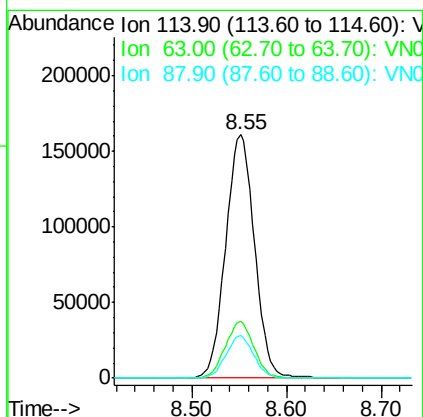
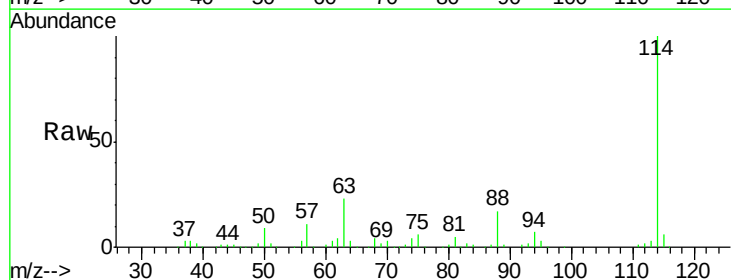
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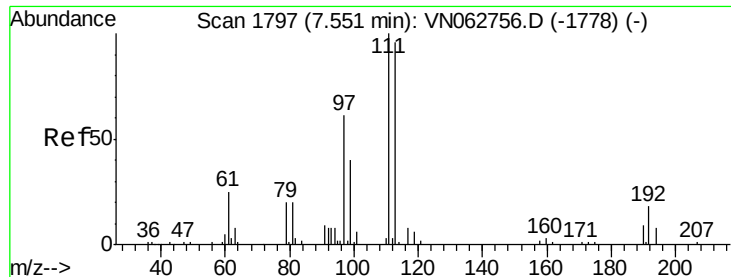
Tgt Ion: 65 Resp: 153238
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062962.D
 Acq: 15 Aug 2020 3:00

Tgt Ion: 114 Resp: 341455
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 47.6
 88 17.4 0.0 34.4

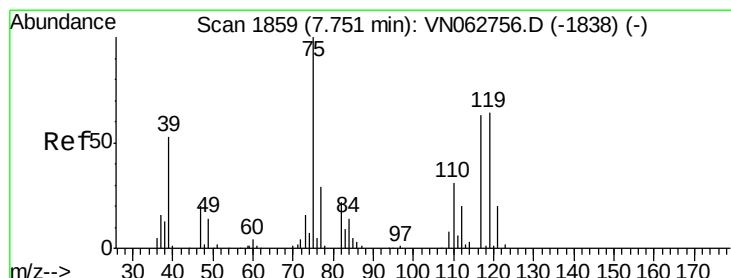
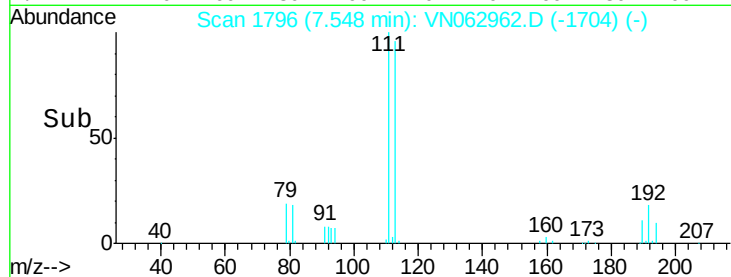
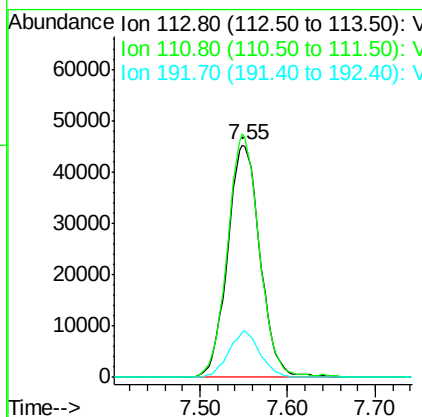
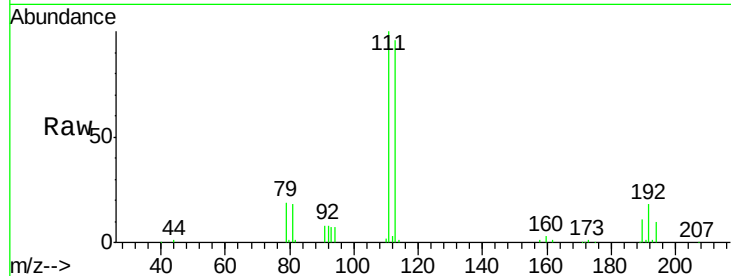




#35
 Dibromofluoromethane
 Concen: 49.744 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062962.D
 Acq: 15 Aug 2020 3:00

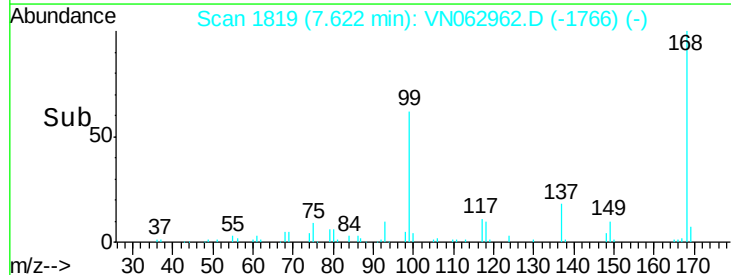
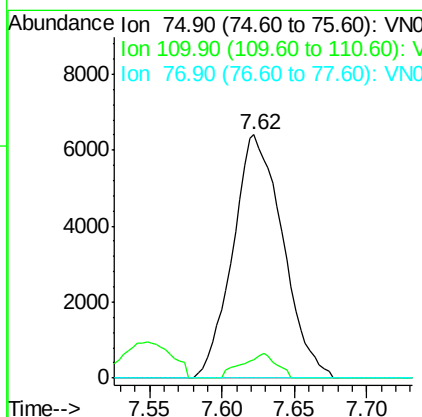
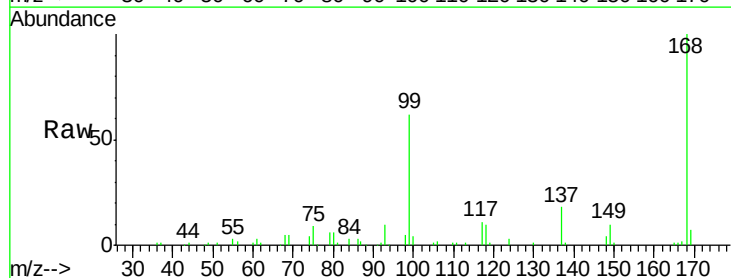
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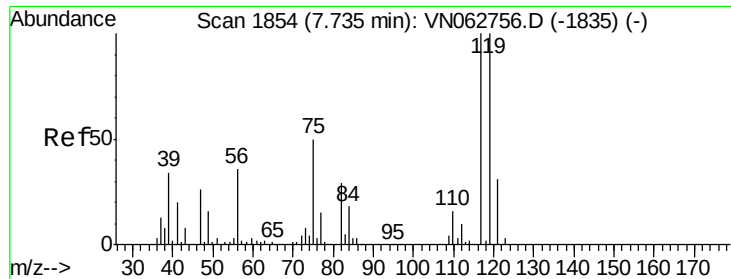
Tgt Ion: 113 Resp: 116190
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.8 122.6
 192 19.1 15.0 22.4



#36
 1,1-Dichloropropene
 Concen: 4.616 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN062962.D
 Acq: 15 Aug 2020 3:00

Tgt Ion: 75 Resp: 15348
 Ion Ratio Lower Upper
 75 100
 110 7.0 15.6 46.7#
 77 0.0 24.1 36.1#





#38

Carbon Tetrachloride

Concen: 4.561 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.11 min

Lab File: VN062962.D

Acq: 15 Aug 2020 3:00

Instrument :

MSVOA_N

ClientSampleId :

NB-08-081220

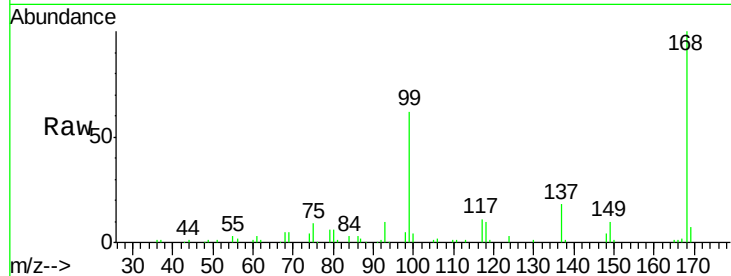
Tgt Ion: 117 Resp: 17935

Ion Ratio Lower Upper

117 100

119 5.6 79.4 119.2#

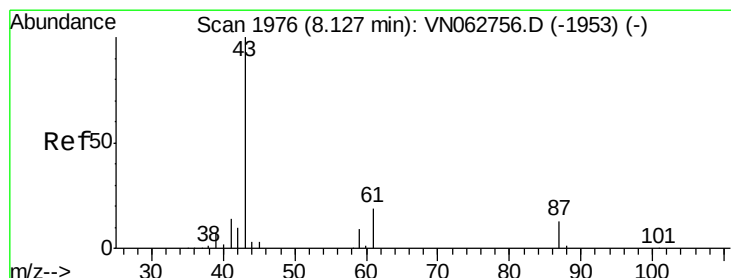
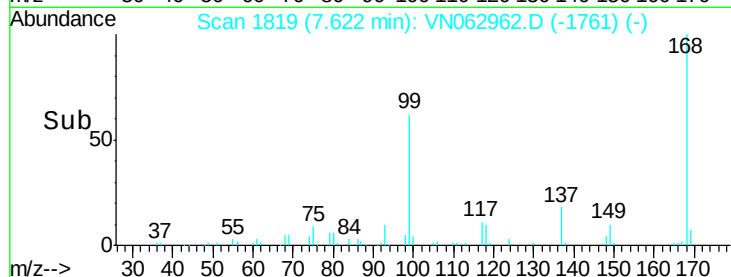
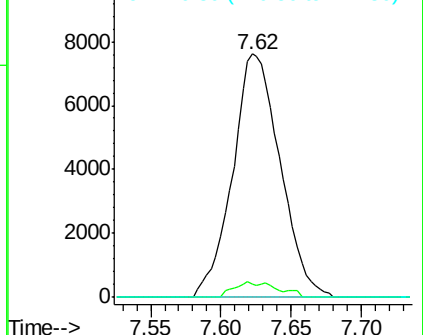
121 0.0 24.9 37.3#



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: 13.117 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN062962.D

Acq: 15 Aug 2020 3:00

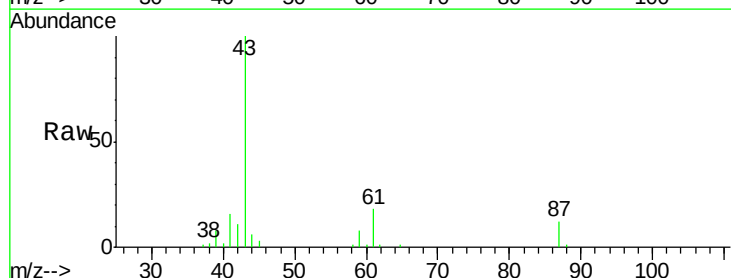
Tgt Ion: 43 Resp: 75987

Ion Ratio Lower Upper

43 100

61 19.6 15.8 23.6

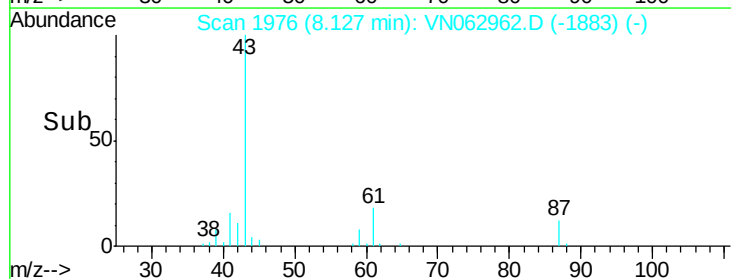
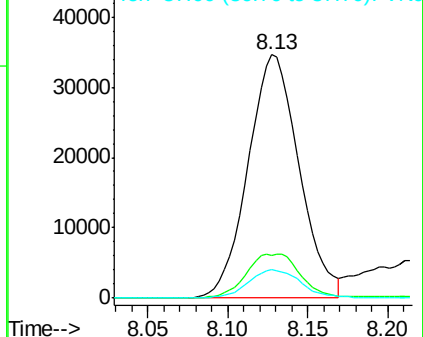
87 12.0 9.9 14.9

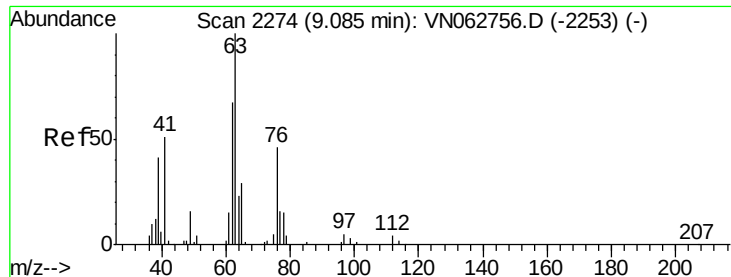


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

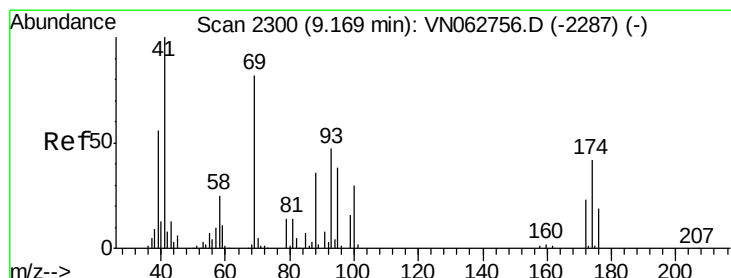
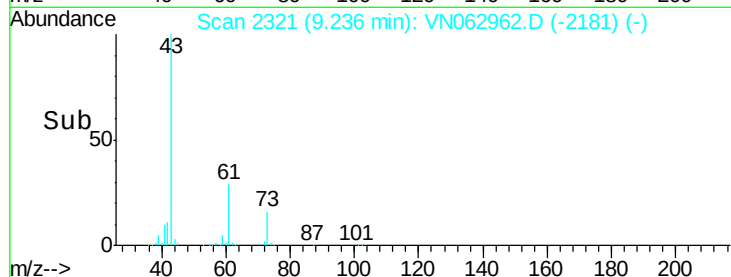
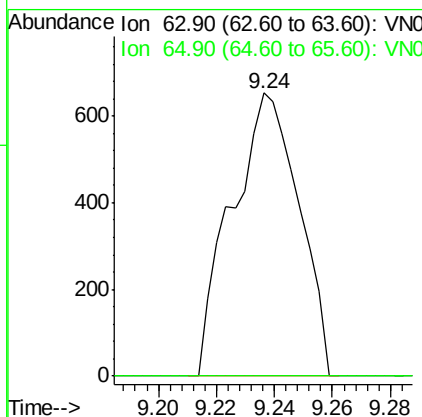
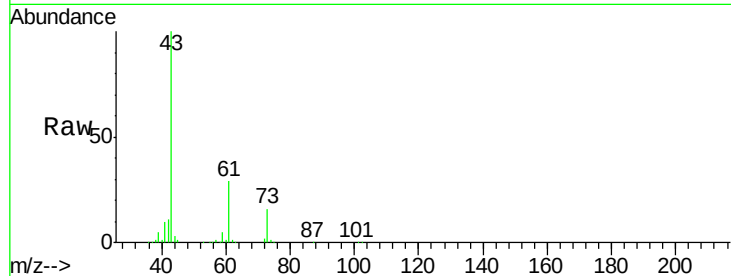




#45
 1,2-Dichloropropane
 Concen: 0.391 ug/l
 RT: 9.24 min Scan# 2321
 Delta R.T. 0.15 min
 Lab File: VN062962.D
 Acq: 15 Aug 2020 3:00

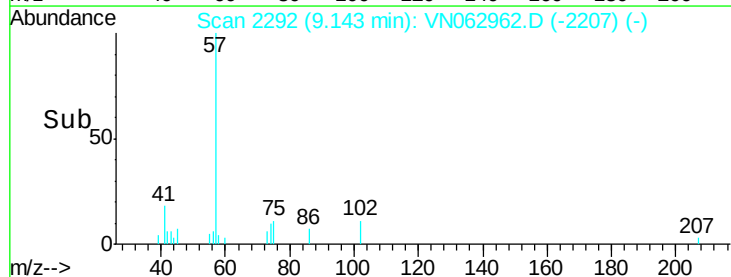
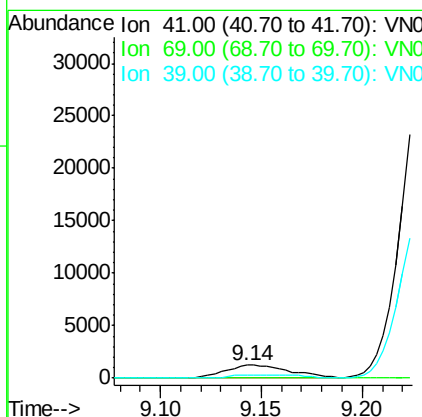
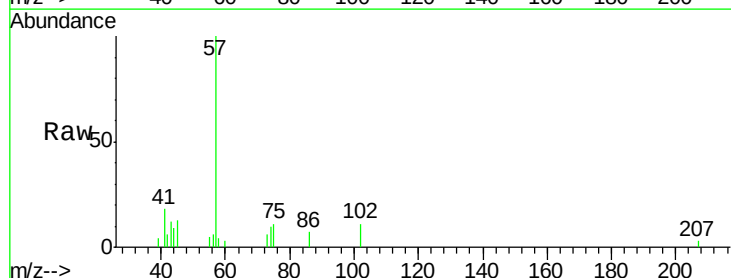
Instrument :
 MSVOA_N
 ClientSampleId :
 NB-08-081220

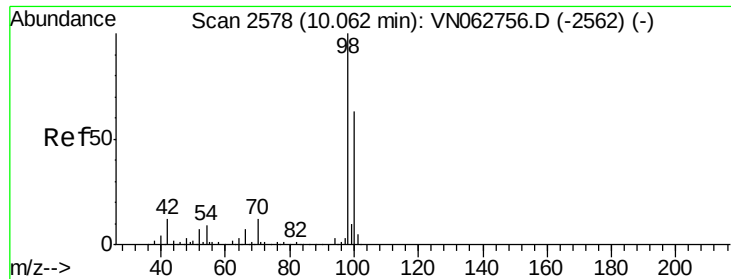
Tgt Ion: 63 Resp: 1050
 Ion Ratio Lower Upper
 63 100
 65 0.0 23.5 35.3#



#48
 Methyl methacrylate
 Concen: 0.959 ug/l
 RT: 9.14 min Scan# 2292
 Delta R.T. -0.03 min
 Lab File: VN062962.D
 Acq: 15 Aug 2020 3:00

Tgt Ion: 41 Resp: 2732
 Ion Ratio Lower Upper
 41 100
 69 0.0 67.4 101.2#
 39 0.0 47.6 71.4#

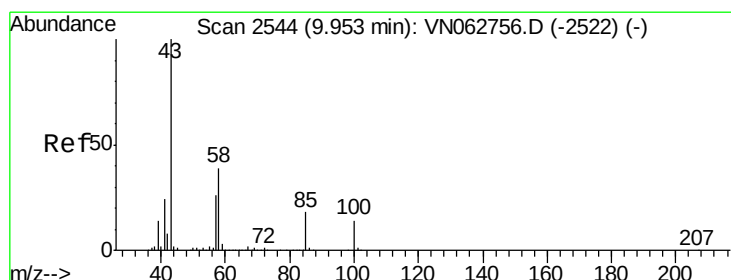
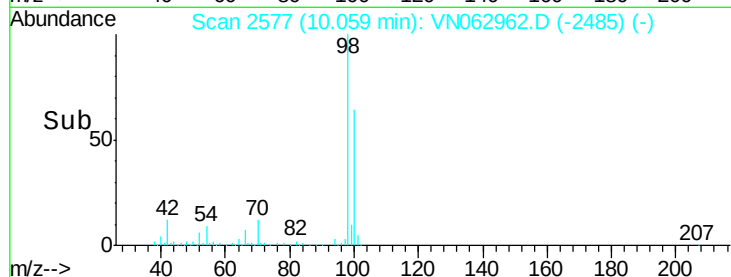
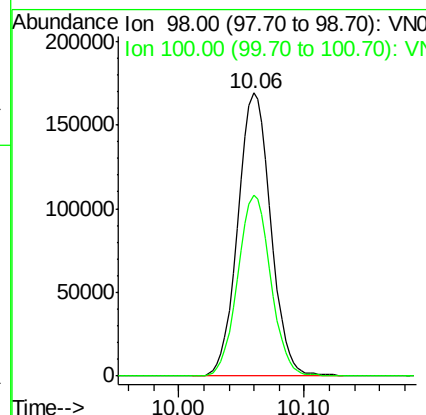
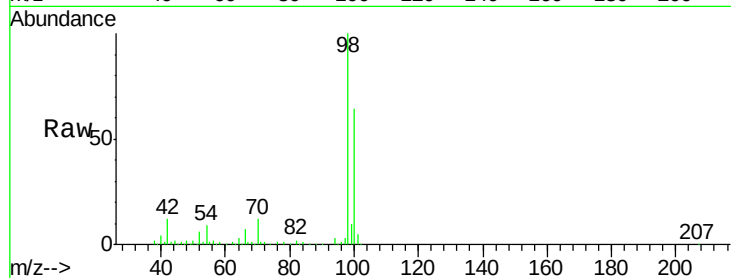




#50
Toluene-d8
Concen: 33.843 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062962.D
Acq: 15 Aug 2020 3:00

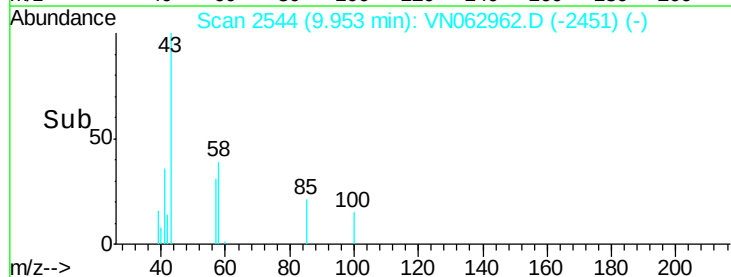
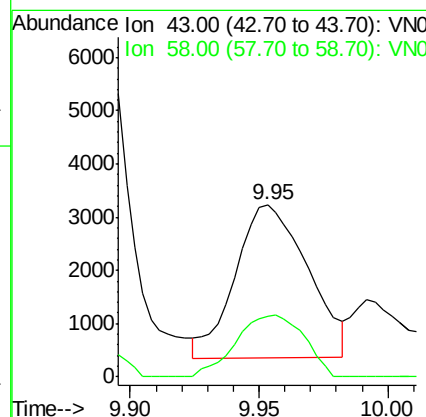
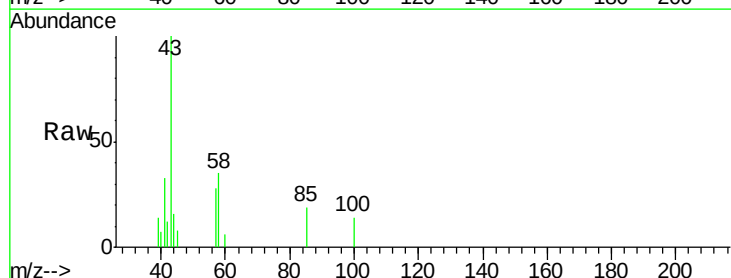
Instrument :
MSVOA_N
ClientSampleId :
NB-08-081220

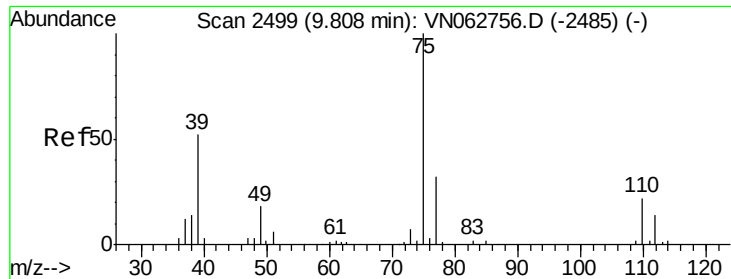
Tgt Ion: 98 Resp: 308608
Ion Ratio Lower Upper
98 100
100 64.2 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 1.508 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN062962.D
Acq: 15 Aug 2020 3:00

Tgt Ion: 43 Resp: 5653
Ion Ratio Lower Upper
43 100
58 37.9 31.1 46.7

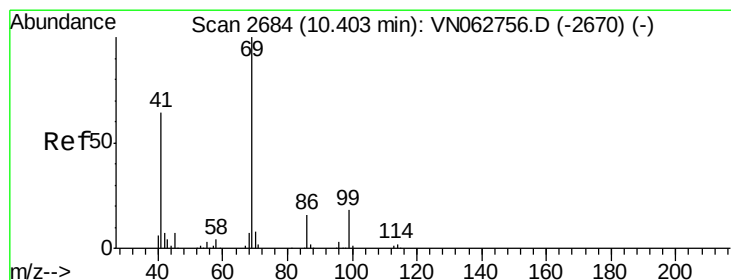
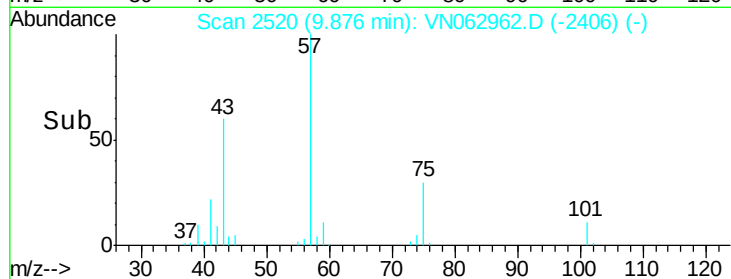
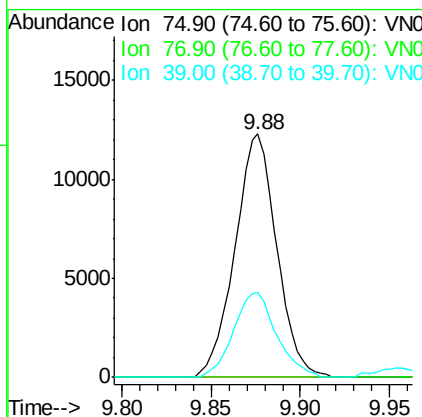
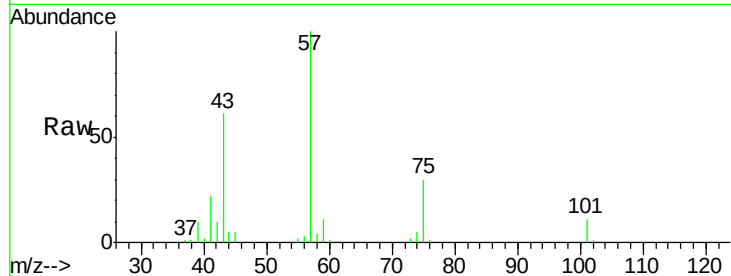




#54
 cis-1,3-Dichloropropene
 Concen: 4.603 ug/l
 RT: 9.88 min Scan# 2520
 Delta R.T. 0.07 min
 Lab File: VN062962.D
 Acq: 15 Aug 2020 3:00

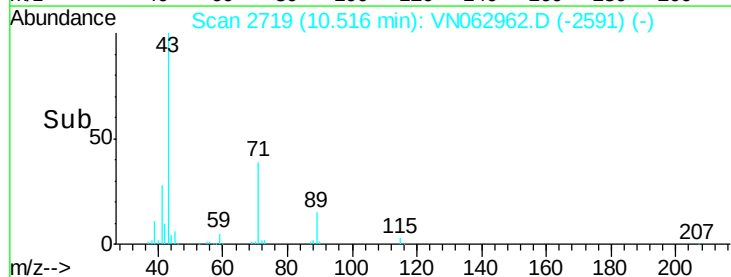
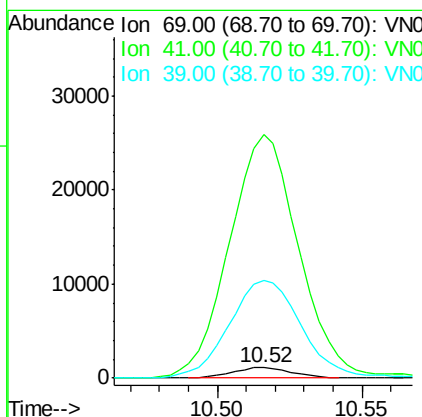
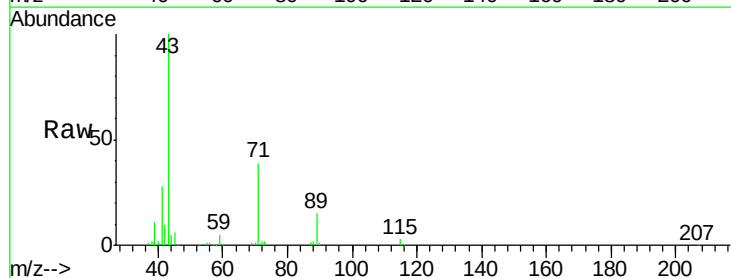
Instrument :
 MSVOA_N
 ClientSampleId :
 NB-08-081220

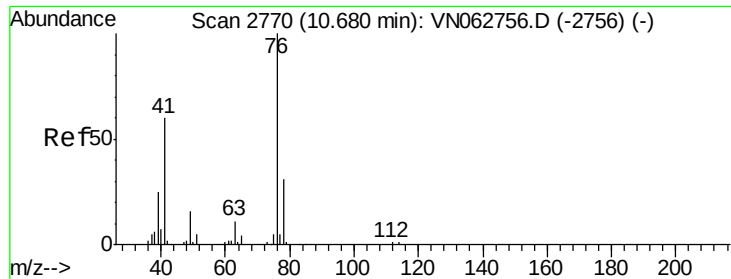
Tgt Ion: 75 Resp: 20086
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#
 39 34.6 41.9 62.9#



#56
 Ethyl methacrylate
 Concen: 0.400 ug/l
 RT: 10.52 min Scan# 2719
 Delta R.T. 0.11 min
 Lab File: VN062962.D
 Acq: 15 Aug 2020 3:00

Tgt Ion: 69 Resp: 1575
 Ion Ratio Lower Upper
 69 100
 41 2726.7 52.2 78.2#
 39 1150.4 30.9 46.3#

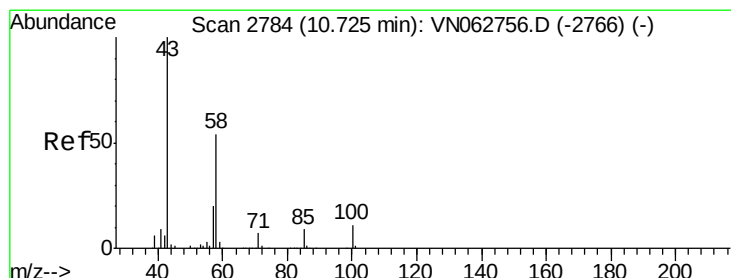
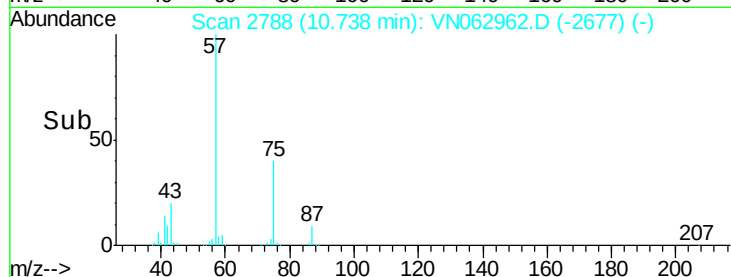
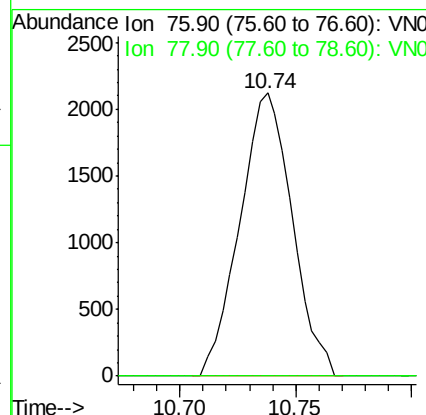
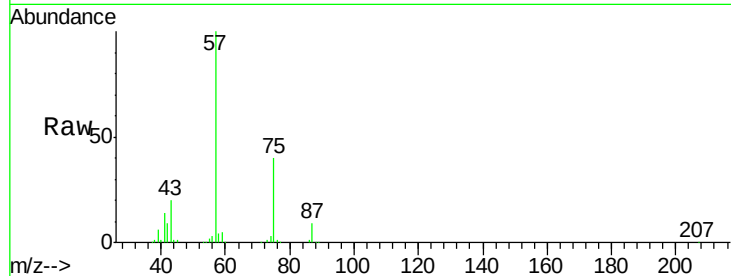




#57
 1,3-Dichloropropane
 Concen: 0.749 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.06 min
 Lab File: VN062962.D
 Acq: 15 Aug 2020 3:00

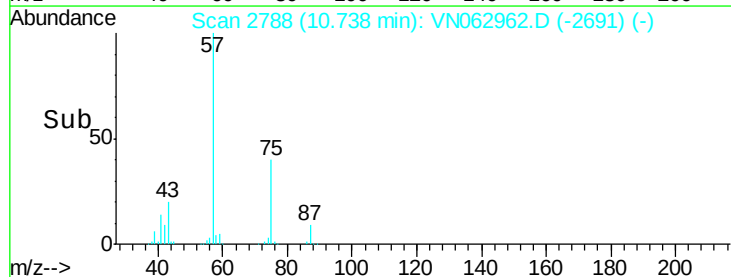
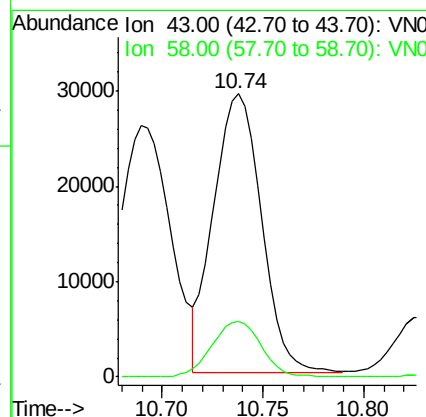
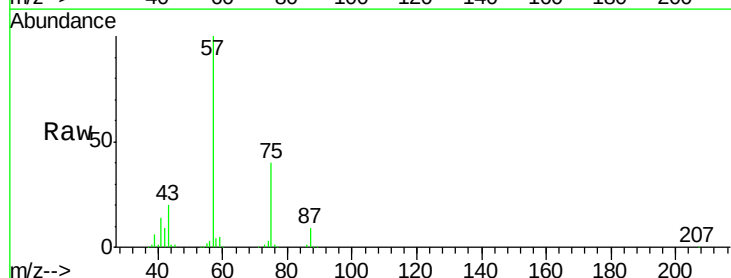
Instrument :
 MSVOA_N
 ClientSampleId :
 NB-08-081220

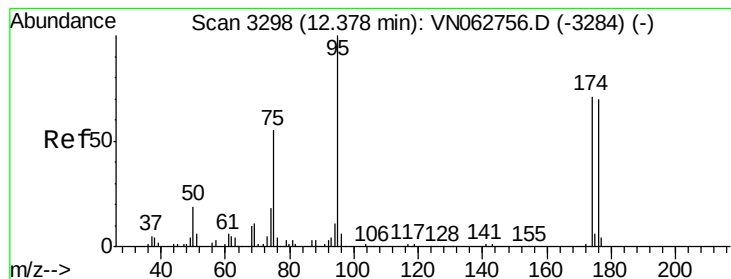
Tgt Ion: 76 Resp: 3329
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.4 38.0#



#59
 2-Hexanone
 Concen: 17.309 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.01 min
 Lab File: VN062962.D
 Acq: 15 Aug 2020 3:00

Tgt Ion: 43 Resp: 48395
 Ion Ratio Lower Upper
 43 100
 58 20.5 26.7 80.1#





#62

4-Bromofluorobenzene

Concen: 32.183 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062962.D

Acq: 15 Aug 2020 3:00

Instrument :

MSVOA_N

ClientSampleId :

NB-08-081220

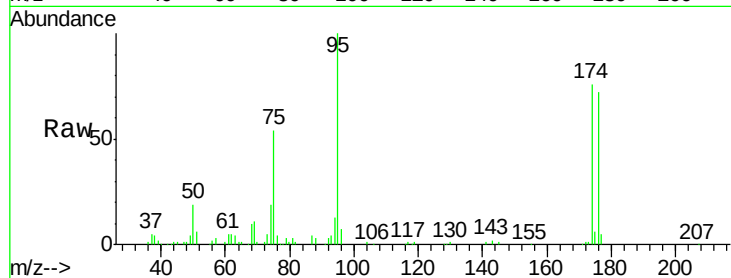
Tgt Ion: 95 Resp: 110904

Ion Ratio Lower Upper

95 100

174 76.0 0.0 144.8

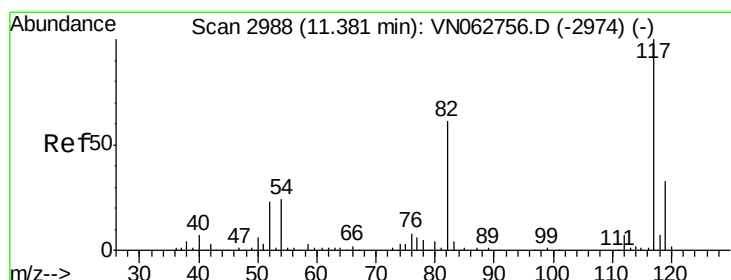
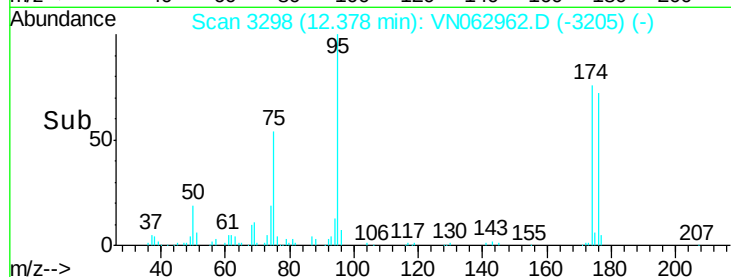
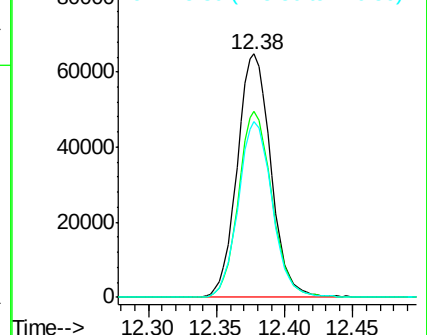
176 72.6 0.0 142.2



Abundance Ion 94.90 (94.60 to 95.60): VN062962.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN062962.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN062962.D (-3205) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN062962.D

Acq: 15 Aug 2020 3:00

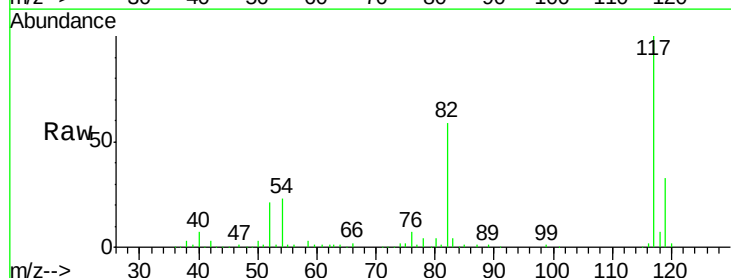
Tgt Ion: 117 Resp: 248578

Ion Ratio Lower Upper

117 100

82 58.6 49.0 73.4

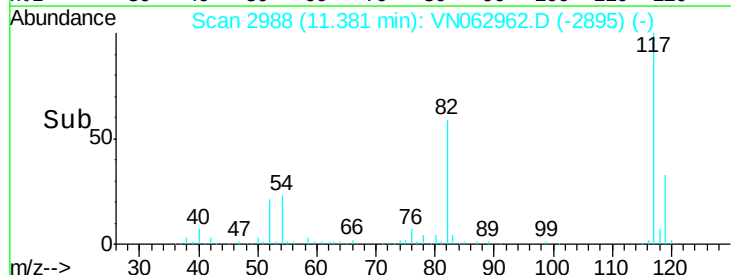
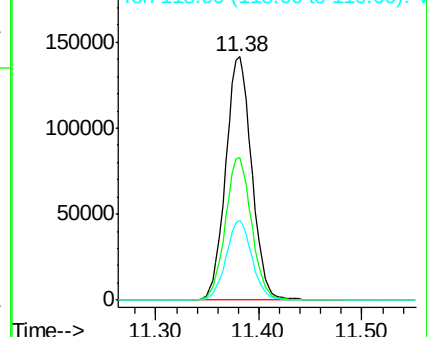
119 32.6 26.2 39.2

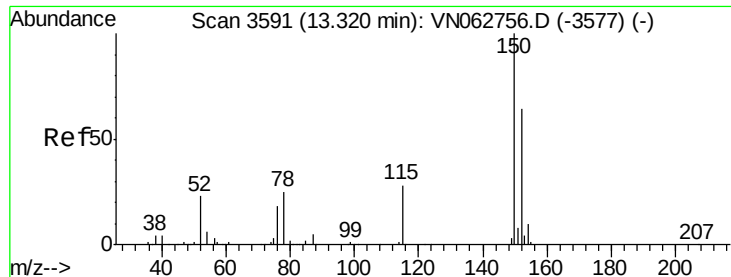


Abundance Ion 116.90 (116.60 to 117.60): VN062962.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN062962.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062962.D (-2895) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062962.D

Acq: 15 Aug 2020 3:00

Instrument :

MSVOA_N

ClientSampled :

NB-08-081220

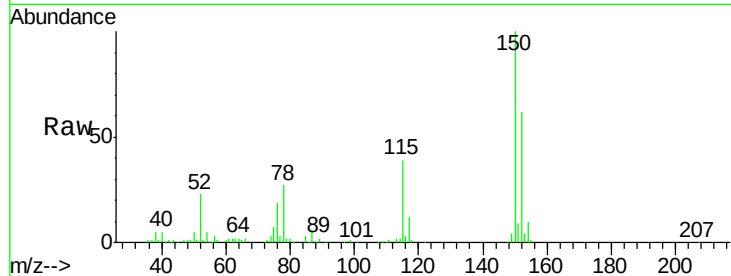
Tgt Ion:152 Resp: 86846

Ion Ratio Lower Upper

152 100

115 62.2 31.6 94.8

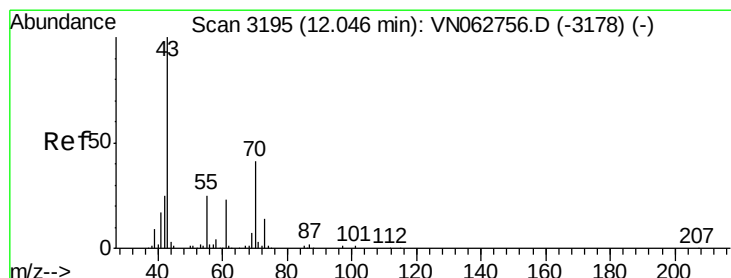
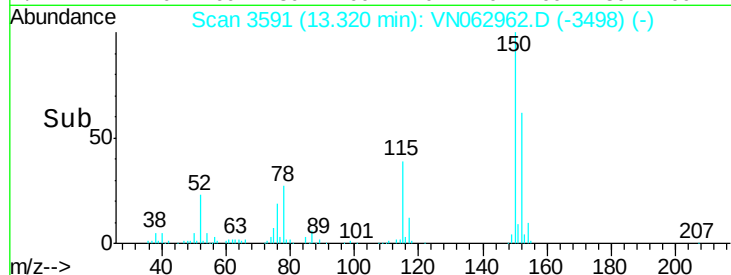
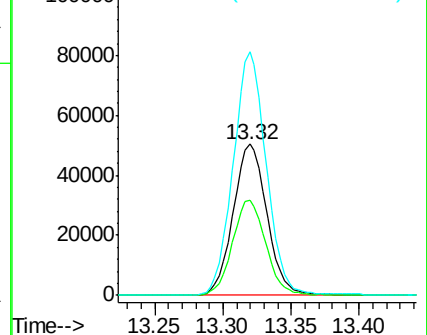
150 157.1 0.0 349.2



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-ethyl acetate

Concen: 0.657 ug/l

RT: 12.01 min Scan# 3184

Delta R.T. -0.04 min

Lab File: VN062962.D

Acq: 15 Aug 2020 3:00

Tgt Ion: 43 Resp: 1740

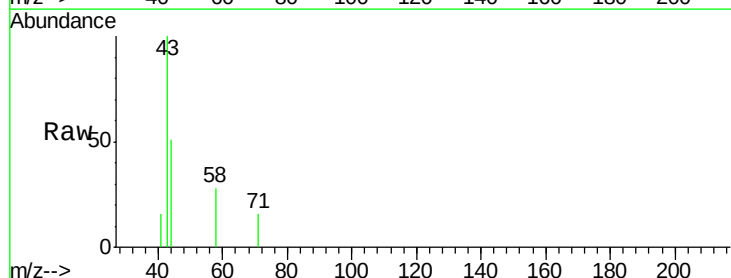
Ion Ratio Lower Upper

43 100

70 0.0 32.3 48.5#

55 0.0 20.2 30.2#

61 0.0 18.2 27.4#

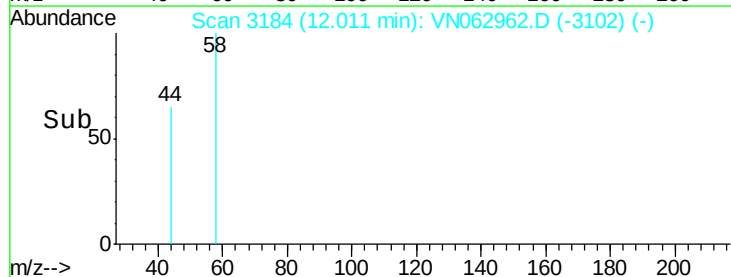
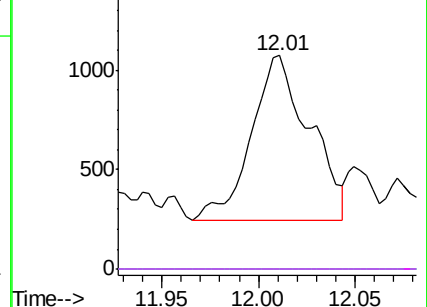


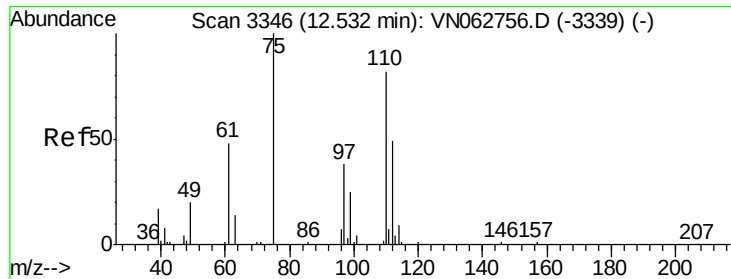
Abundance Ion 43.00 (42.70 to 43.70): V

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

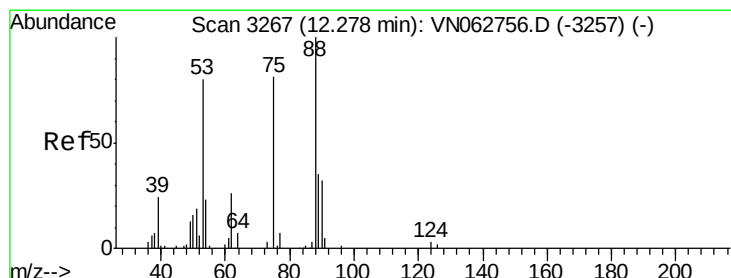
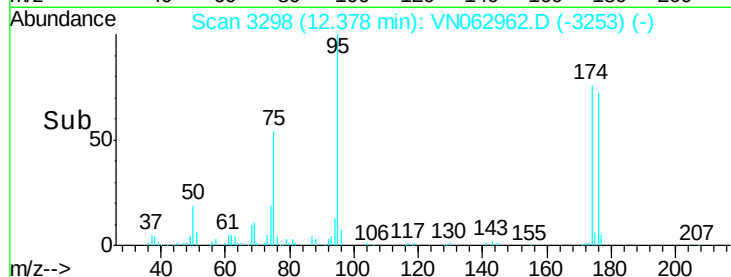
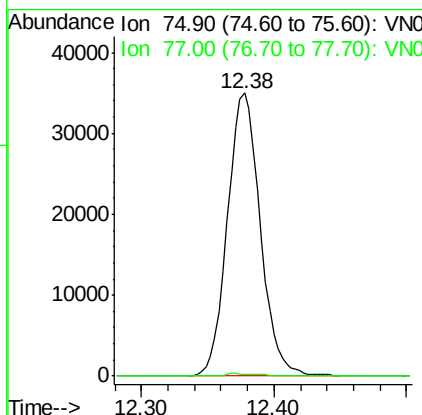
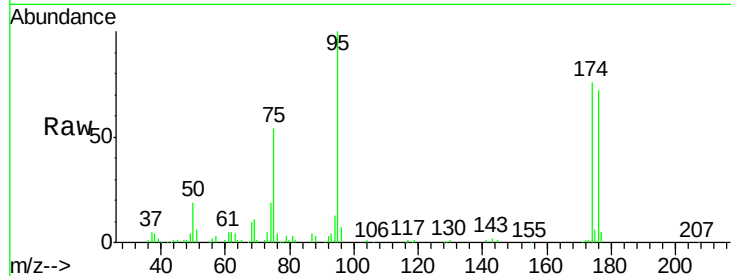




#76
 1,2,3-Trichloropropane
 Concen: 25.706 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062962.D
 Acq: 15 Aug 2020 3:00

Instrument :
 MSVOA_N
 ClientSampleId :
 NB-08-081220

Tgt Ion: 75 Resp: 60207
 Ion Ratio Lower Upper
 75 100
 77 0.8 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.473 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062962.D
 Acq: 15 Aug 2020 3:00

Tgt Ion: 75 Resp: 60207
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.1 118.7#
 89 0.0 36.2 54.2#

