

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032620\
 Data File : VN060719.D
 Acq On : 26 Mar 2020 17:22
 Operator : JC/MD
 Sample : L1754-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 NB-08-032420

Quant Time: Mar 27 05:34:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

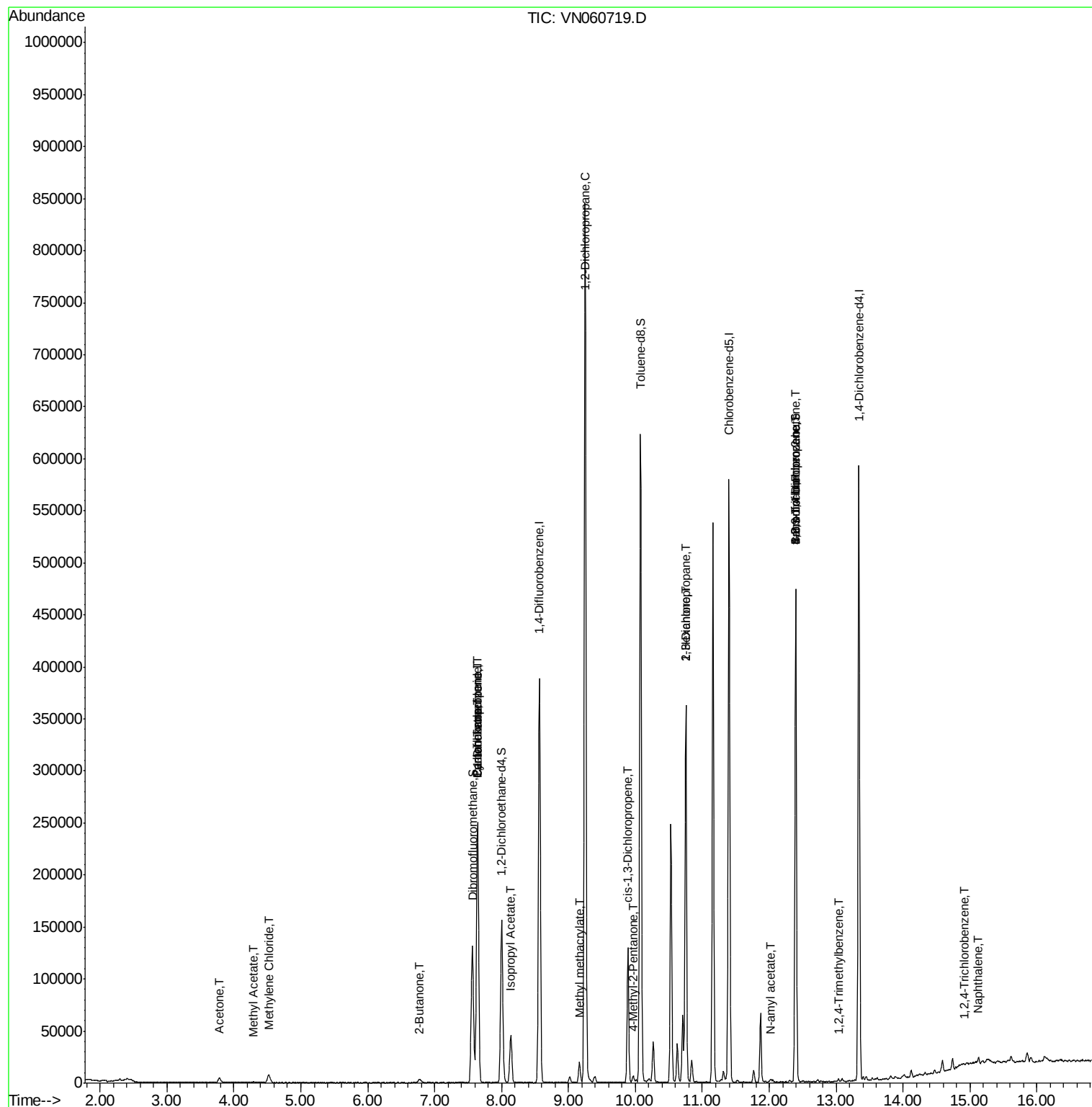
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	206252	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	345363	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	330248	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	154095	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	133440	47.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.26%	
35) Dibromofluoromethane	7.56	113	102362	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
50) Toluene-d8	10.08	98	427970	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
62) 4-Bromofluorobenzene	12.40	95	165072	52.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.60%	
Target Compounds						
					Qvalue	
16) Acetone	3.78	43	9002	8.976	ug/l	95
18) Methyl Acetate	4.29	43	1989	0.705	ug/l #	61
20) Methylene Chloride	4.52	84	3194	1.295	ug/l	98
25) 2-Butanone	6.79	43	546	0.336	ug/l #	50
31) Cyclohexane	7.64	56	4225	0.926	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	16175	4.837	ug/l #	49
38) Carbon Tetrachloride	7.64	117	19939	6.652	ug/l #	16
43) Isopropyl Acetate	8.14	43	54754	9.188	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	832	0.312	ug/l #	43
48) Methyl methacrylate	9.16	41	2964	1.117	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	4789	1.412	ug/l	95
54) cis-1,3-Dichloropropene	9.89	75	23089	5.475	ug/l #	60
57) 1,3-Dichloropropane	10.75	76	3592	0.883	ug/l #	42
59) 2-Hexanone	10.75	43	53059	21.721	ug/l #	51
71) Bromoform	12.40	173	640	1.994	ug/l #	1
74) N-amyl acetate	12.02	43	2384	0.446	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	83416	25.087	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	83416	64.431	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.03	105	2076	0.214	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	60	Below Cal	#	3
93) 1,2,4-Trichlorobenzene	14.91	180	584	0.202	ug/l	88
95) Naphthalene	15.13	128	4309	0.496	ug/l #	93

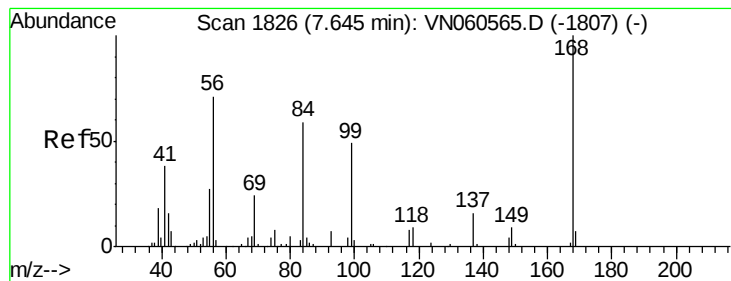
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN032620\
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ALS Vial : 15 Sample Multiplier: 1

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Quant Time: Mar 27 05:34:36 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060719.D

Acq: 26 Mar 2020 17:22

Instrument :

MSVOA_N

ClientSampleId :

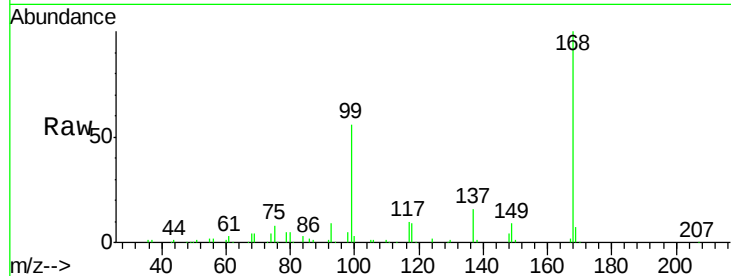
NB-08-032420

Tgt Ion:168 Resp: 206252

Ion Ratio Lower Upper

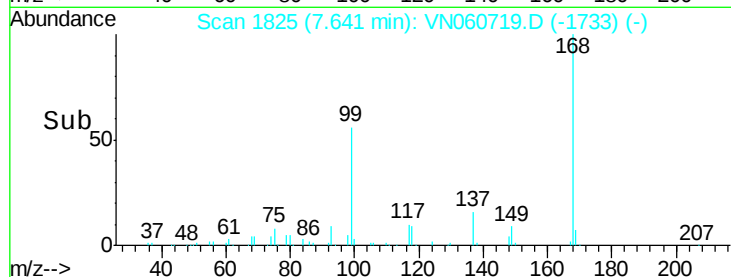
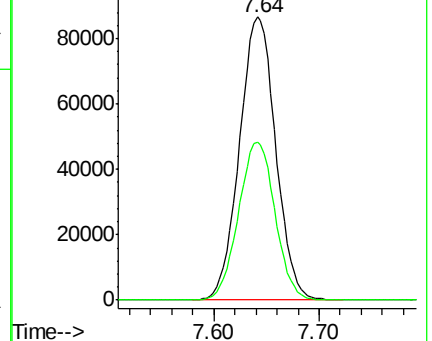
168 100

99 55.9 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 8.976 ug/l

RT: 3.78 min Scan# 624

Delta R.T. -0.00 min

Lab File: VN060719.D

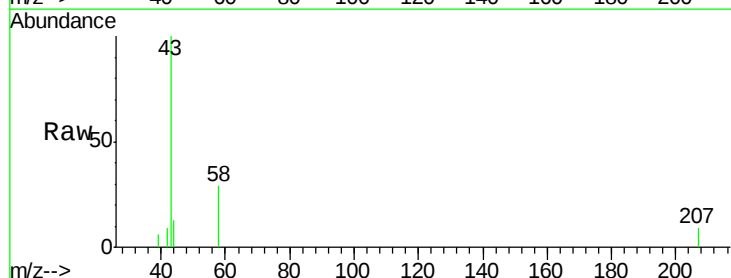
Acq: 26 Mar 2020 17:22

Tgt Ion: 43 Resp: 9002

Ion Ratio Lower Upper

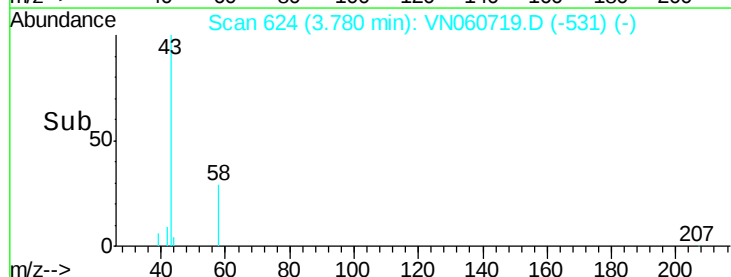
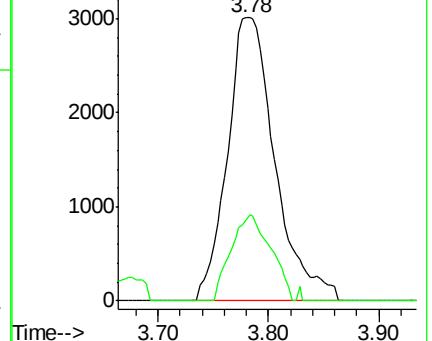
43 100

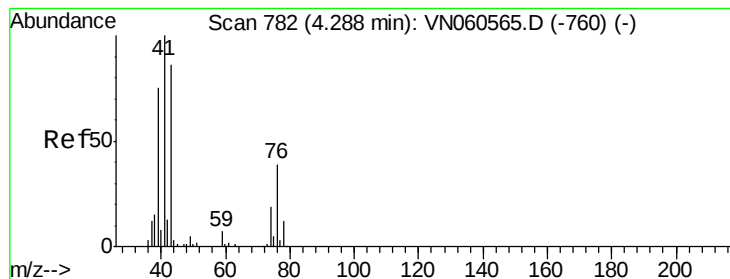
58 28.5 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#18

Methyl Acetate

Concen: 0.705 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.01 min

Lab File: VN060719.D

Acq: 26 Mar 2020 17:22

Instrument :

MSVOA_N

ClientSampleId :

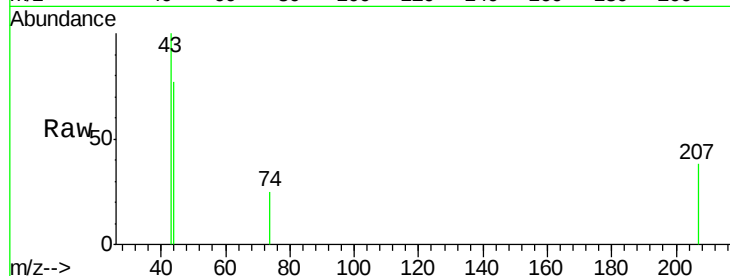
NB-08-032420

Tgt Ion: 43 Resp: 1989

Ion Ratio Lower Upper

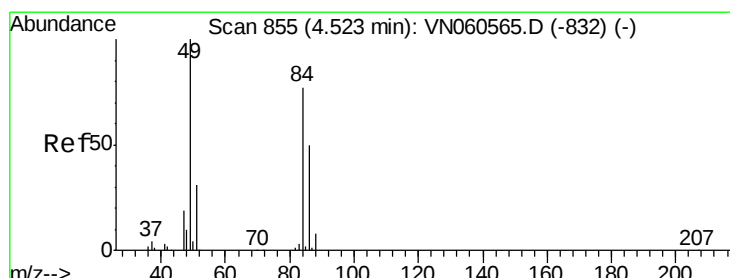
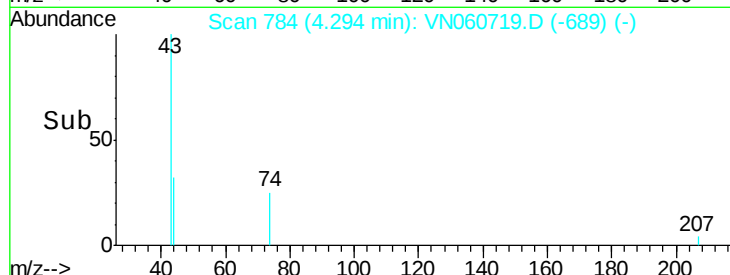
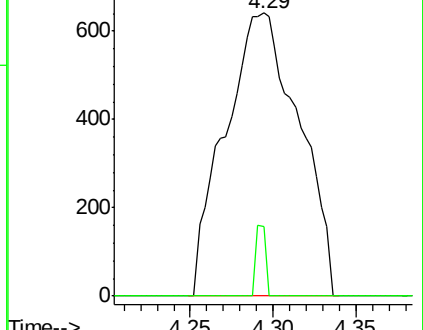
43 100

74 3.1 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VN060719.D (-689) (-)

Ion 74.00 (73.70 to 74.70): VN060719.D (-689) (-)



#20

Methylene Chloride

Concen: 1.295 ug/l

RT: 4.52 min Scan# 854

Delta R.T. -0.00 min

Lab File: VN060719.D

Acq: 26 Mar 2020 17:22

Tgt Ion: 84 Resp: 3194

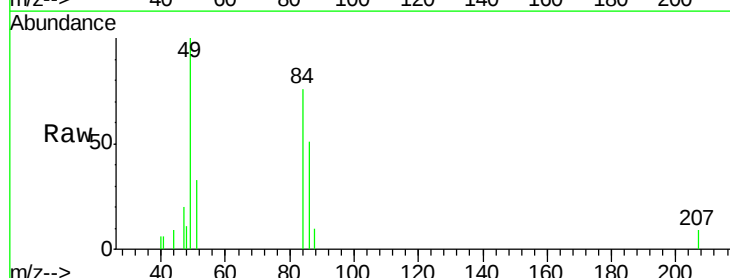
Ion Ratio Lower Upper

84 100

49 130.7 103.3 154.9

51 43.2 31.6 47.4

86 66.9 52.0 78.0

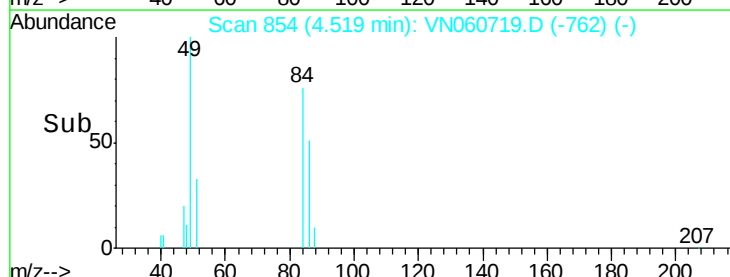
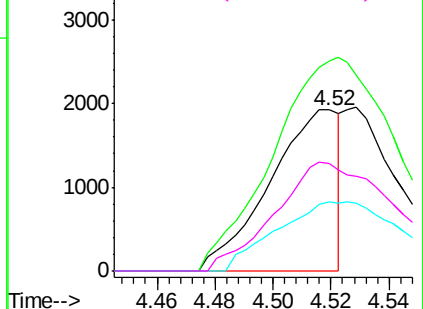


Abundance Ion 83.90 (83.60 to 84.60): VN060719.D (-762) (-)

Ion 48.90 (48.60 to 49.60): VN060719.D (-762) (-)

Ion 50.90 (50.60 to 51.60): VN060719.D (-762) (-)

Ion 85.90 (85.60 to 86.60): VN060719.D (-762) (-)

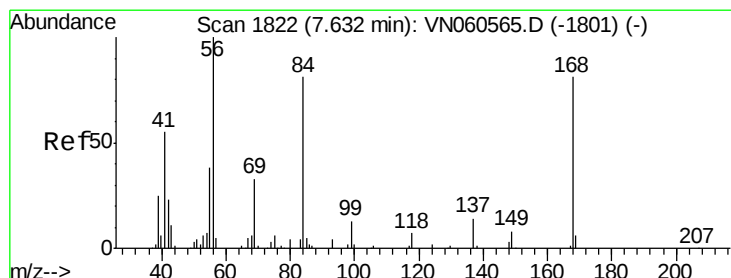
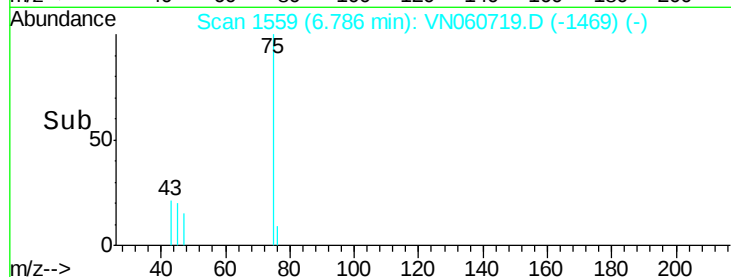
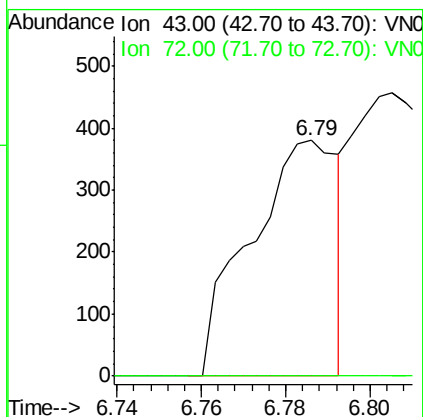
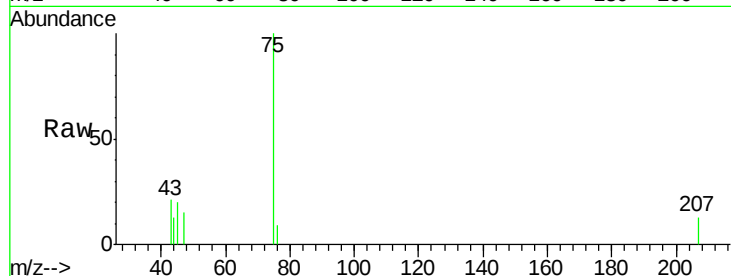




#25
2-Butanone
Concen: 0.336 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. -0.01 min
Lab File: VN060719.D
Acq: 26 Mar 2020 17:22

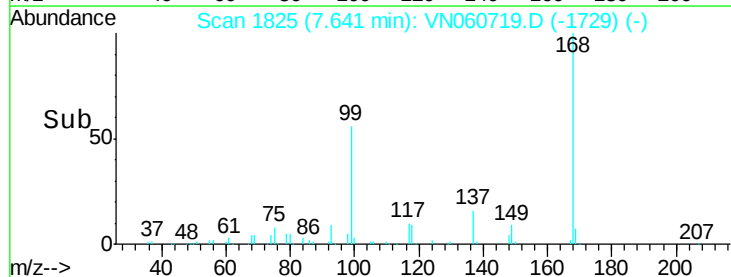
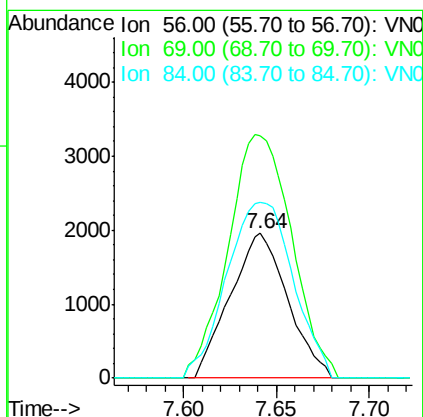
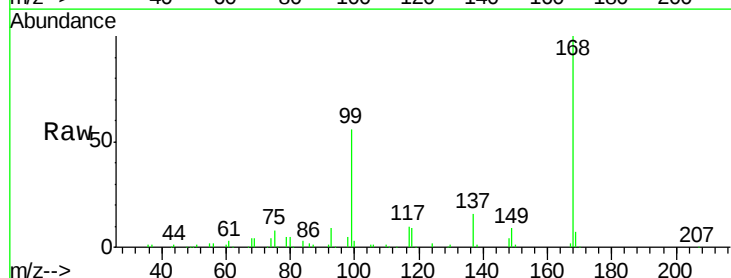
Instrument :
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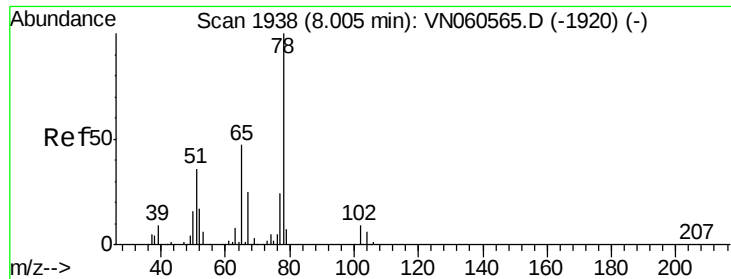
Tgt Ion: 43 Resp: 546
Ion Ratio Lower Upper
43 100
72 0.0 20.4 30.6#



#31
Cyclohexane
Concen: 0.926 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060719.D
Acq: 26 Mar 2020 17:22

Tgt Ion: 56 Resp: 4225
Ion Ratio Lower Upper
56 100
69 168.2 26.6 40.0#
84 122.0 64.3 96.5#

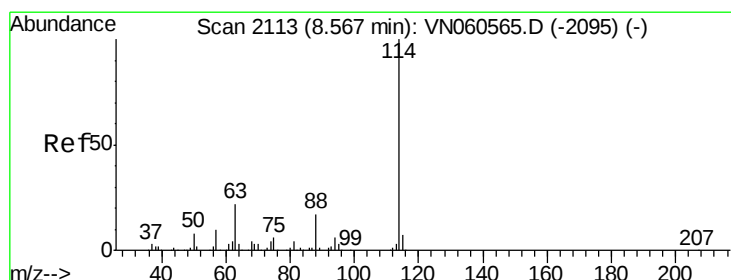
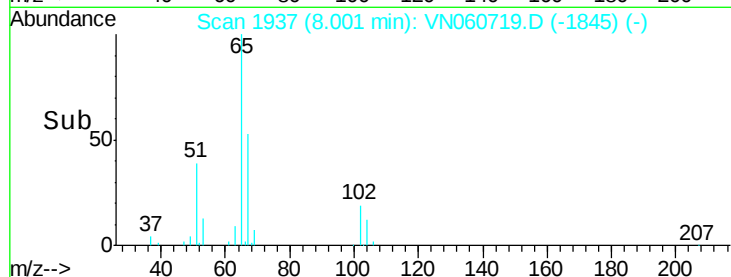
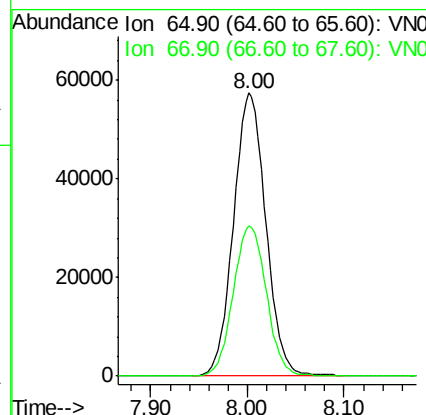
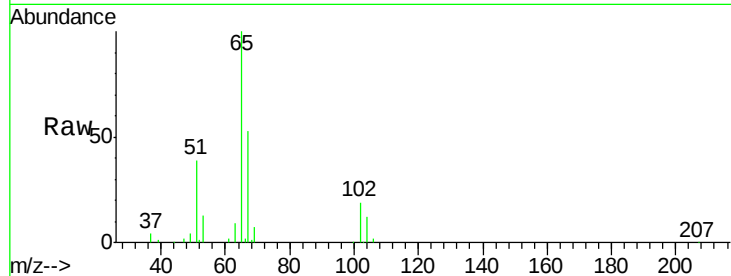




#33
 1,2-Dichloroethane-d4
 Concen: 47.129 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060719.D
 Acq: 26 Mar 2020 17:22

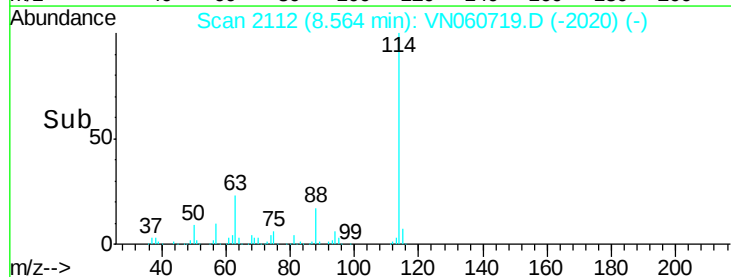
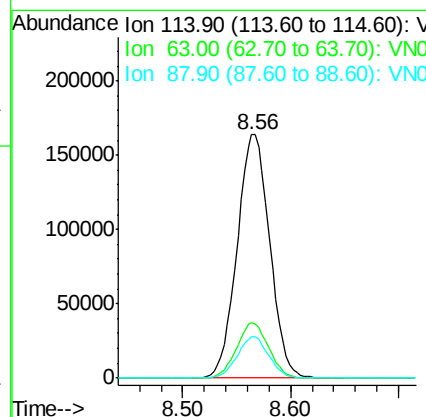
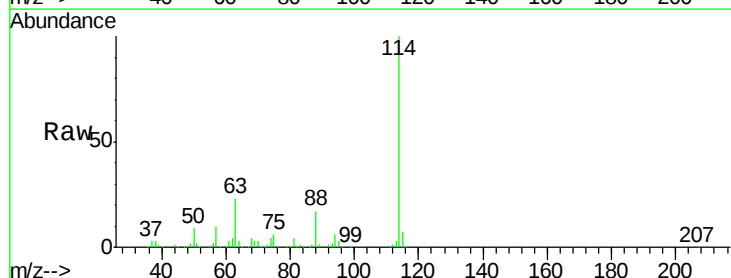
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 NB-08-032420

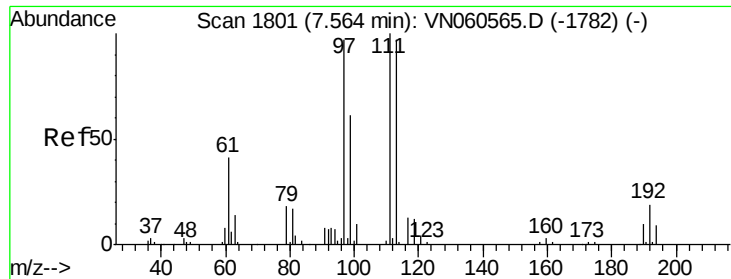
Tgt Ion: 65 Resp: 133440
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060719.D
 Acq: 26 Mar 2020 17:22

Tgt Ion: 114 Resp: 345363
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 43.8
 88 16.9 0.0 33.0

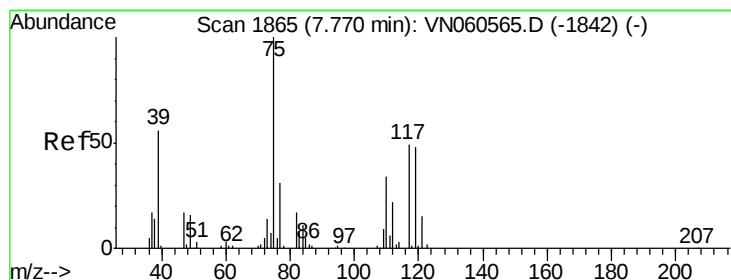
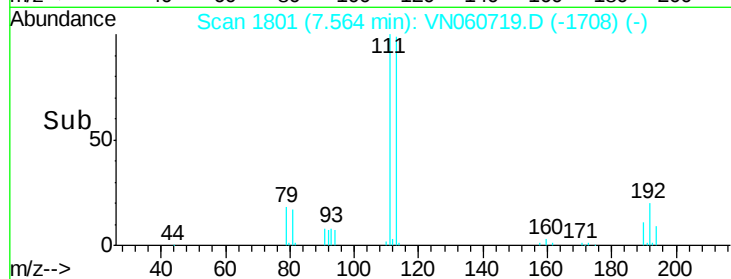
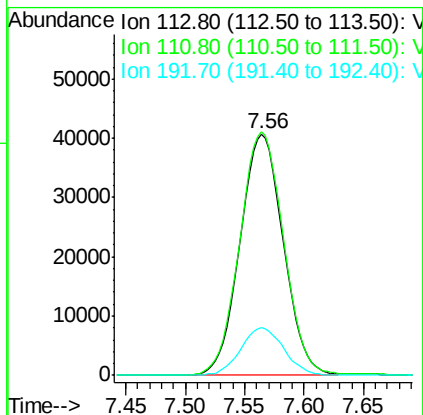
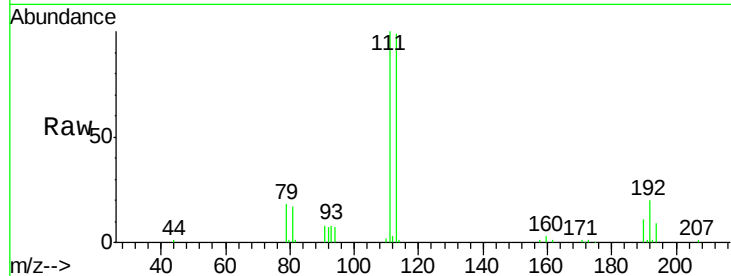




#35
 Dibromofluoromethane
 Concen: 49.017 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060719.D
 Acq: 26 Mar 2020 17:22

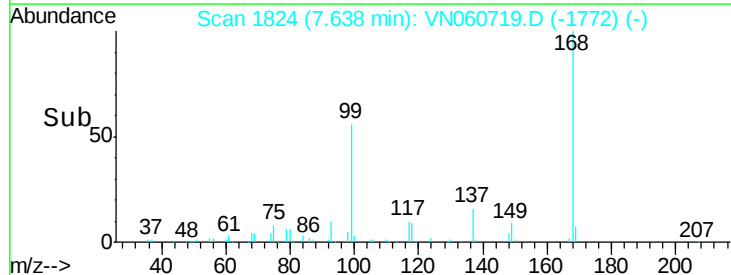
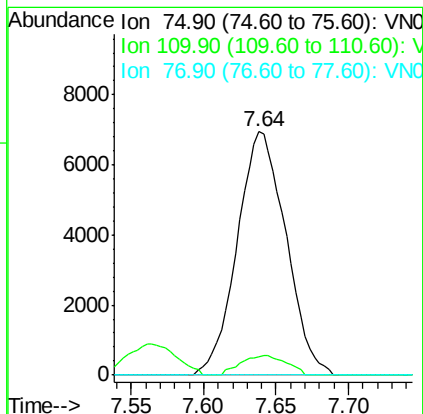
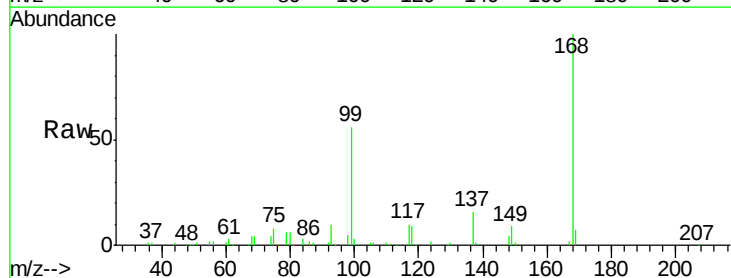
Instrument :
 MSVOA_N
 ClientSampled :
 NB-08-032420

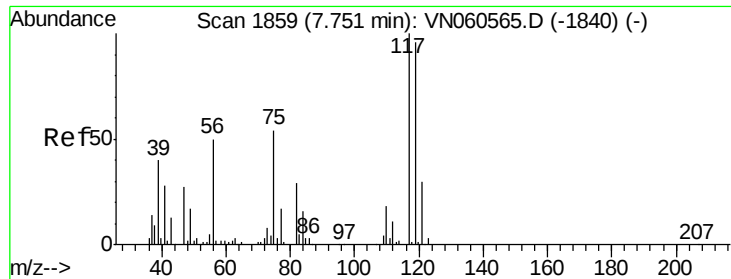
Tgt Ion:113 Resp: 102362
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.9 124.3
 192 19.5 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 4.837 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN060719.D
 Acq: 26 Mar 2020 17:22

Tgt Ion: 75 Resp: 16175
 Ion Ratio Lower Upper
 75 100
 110 7.5 16.9 50.6#
 77 0.0 24.6 36.8#

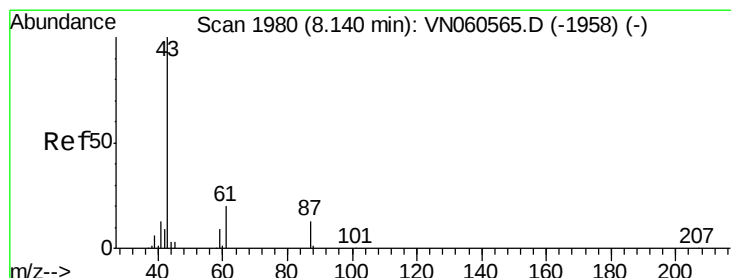
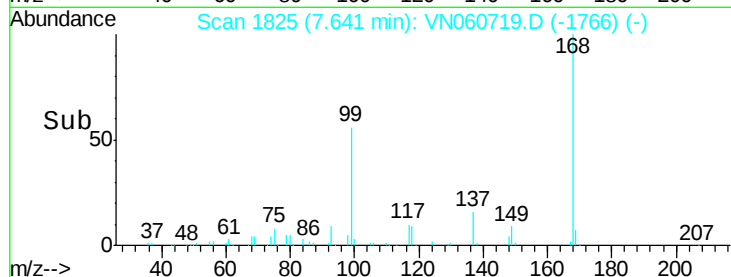
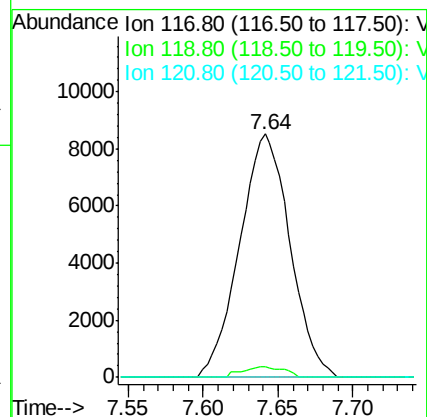
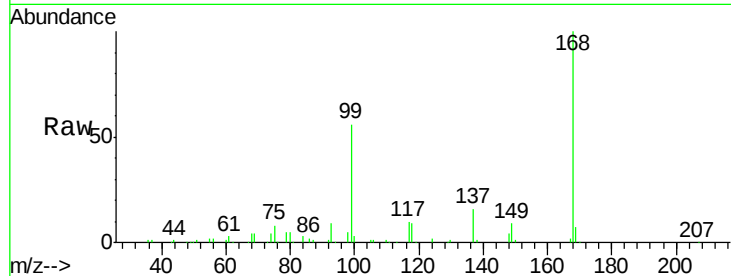




#38
Carbon Tetrachloride
Concen: 6.652 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN060719.D
Acq: 26 Mar 2020 17:22

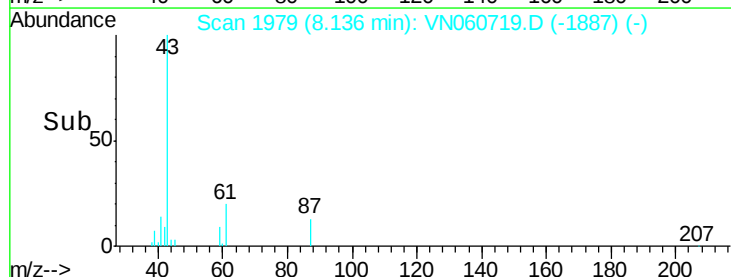
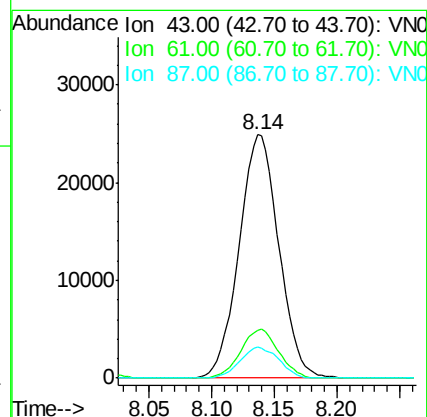
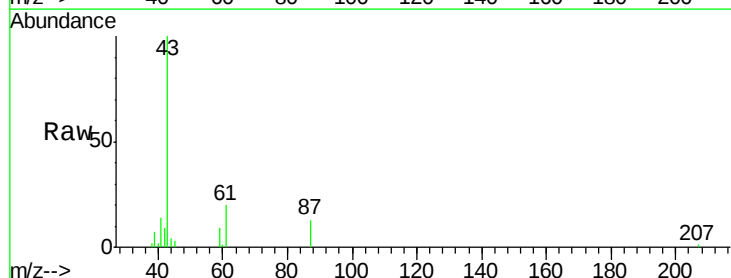
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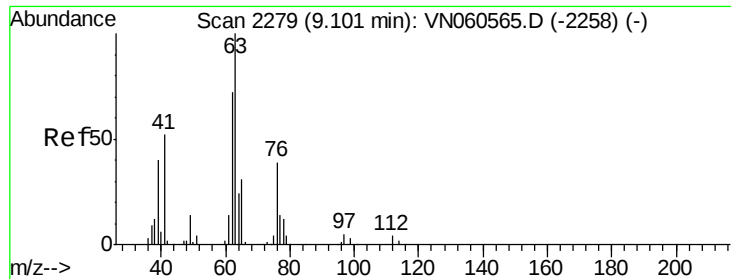
Tgt Ion: 117 Resp: 19939
Ion Ratio Lower Upper
117 100
119 4.6 76.2 114.2#
121 0.0 23.7 35.5#



#43
Isopropyl Acetate
Concen: 9.188 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VN060719.D
Acq: 26 Mar 2020 17:22

Tgt Ion: 43 Resp: 54754
Ion Ratio Lower Upper
43 100
61 19.2 20.7 31.1#
87 12.4 9.8 14.8





#45

1,2-Dichloropropane

Concen: 0.312 ug/l

RT: 9.25 min Scan# 2324

Delta R.T. 0.14 min

Lab File: VN060719.D

Acq: 26 Mar 2020 17:22

Instrument :

MSVOA_N

ClientSampled :

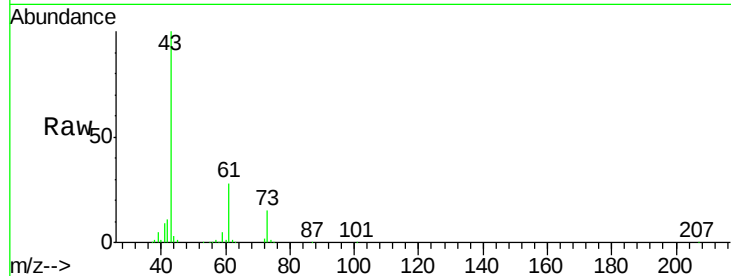
NB-08-032420

Tgt Ion: 63 Resp: 832

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.0#



Abundance Ion 62.90 (62.60 to 63.60): VN060719.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN060719.D (-2186) (-)

9.25

500

400

300

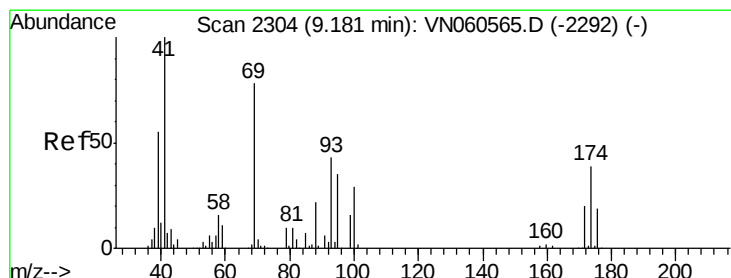
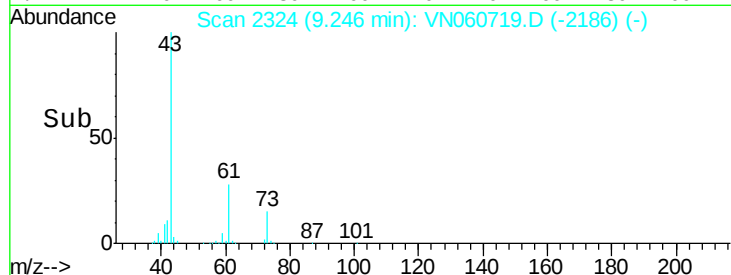
200

100

0

9.20 9.22 9.24 9.26 9.28

Time-->



#48

Methyl methacrylate

Concen: 1.117 ug/l

RT: 9.16 min Scan# 2297

Delta R.T. -0.02 min

Lab File: VN060719.D

Acq: 26 Mar 2020 17:22

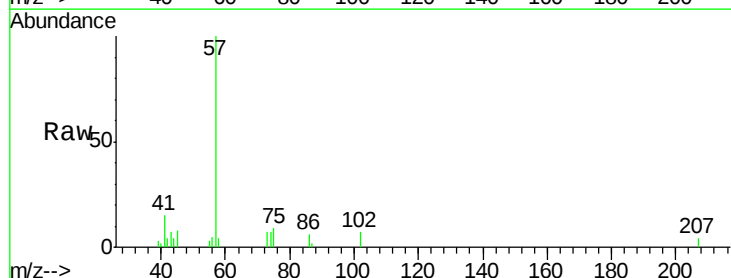
Tgt Ion: 41 Resp: 2964

Ion Ratio Lower Upper

41 100

69 0.0 65.4 98.0#

39 0.0 44.0 66.0#



Abundance Ion 41.00 (40.70 to 41.70): VN060719.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060719.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060719.D (-2211) (-)

40000

30000

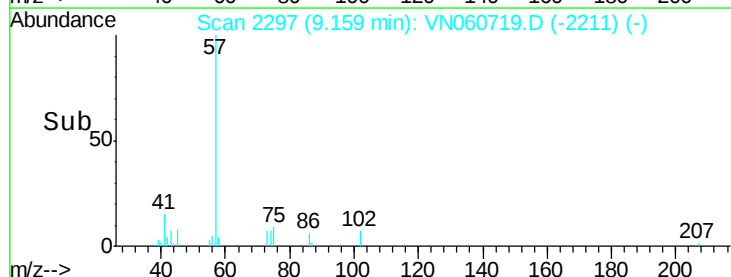
20000

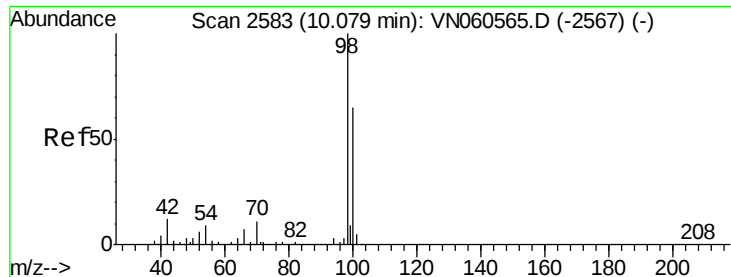
10000

0

9.10 9.15 9.20

Time-->





#50

Toluene-d8

Concen: 50.173 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060719.D

Acq: 26 Mar 2020 17:22

Instrument :

MSVOA_N

ClientSampleId :

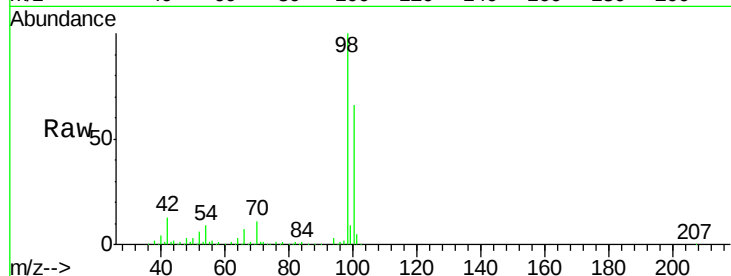
NB-08-032420

Tgt Ion: 98 Resp: 427970

Ion Ratio Lower Upper

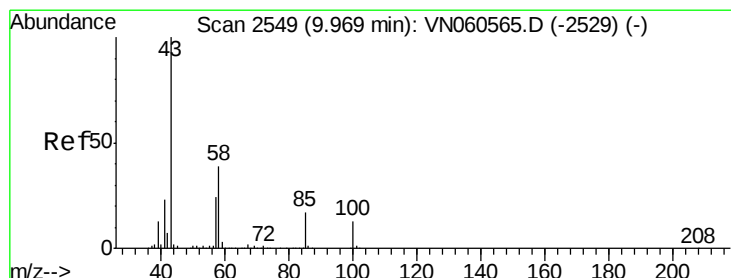
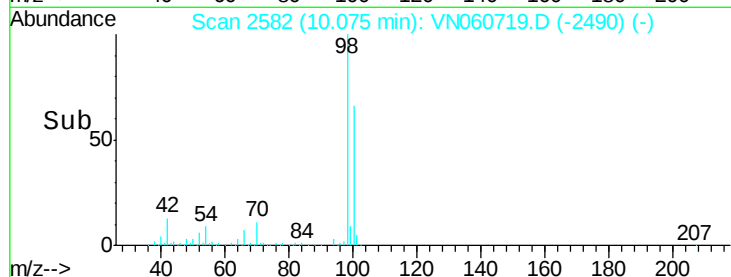
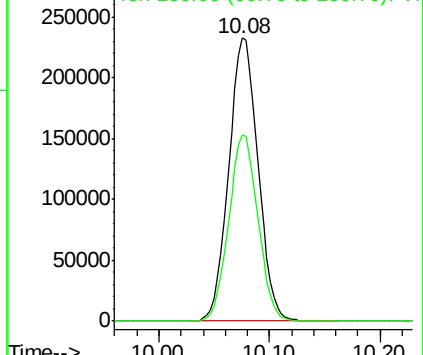
98 100

100 65.4 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 1.412 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060719.D

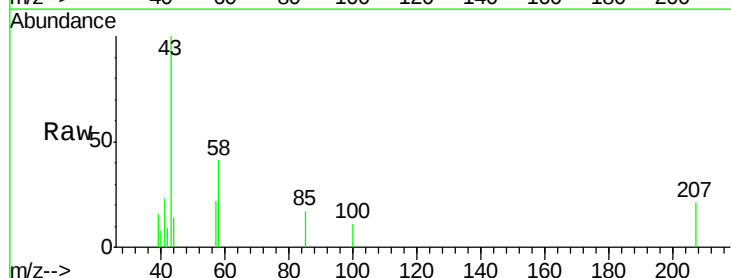
Acq: 26 Mar 2020 17:22

Tgt Ion: 43 Resp: 4789

Ion Ratio Lower Upper

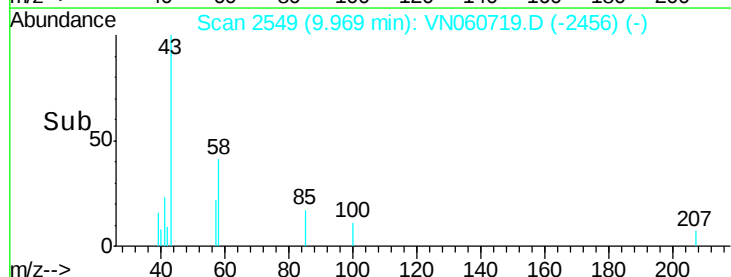
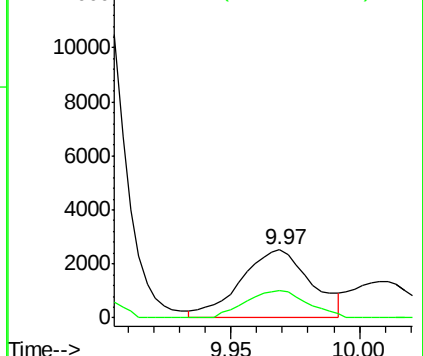
43 100

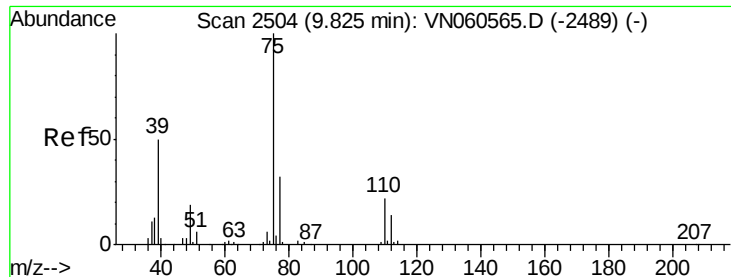
58 35.8 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#54

cis-1,3-Dichloropropene

Concen: 5.475 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060719.D

Acq: 26 Mar 2020 17:22

Instrument :

MSVOA_N

ClientSampleId :

NB-08-032420

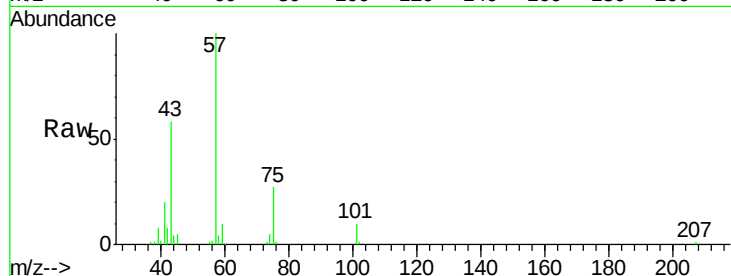
Tgt Ion: 75 Resp: 23089

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

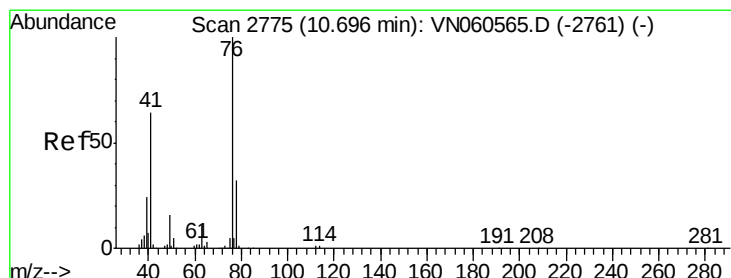
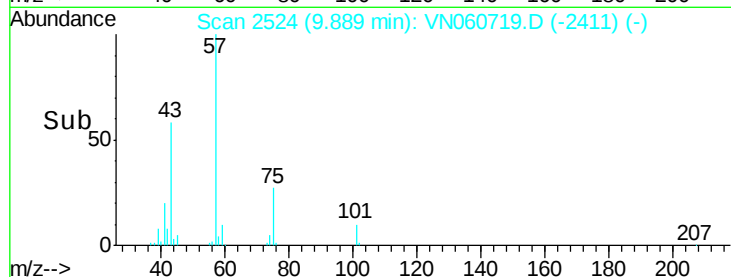
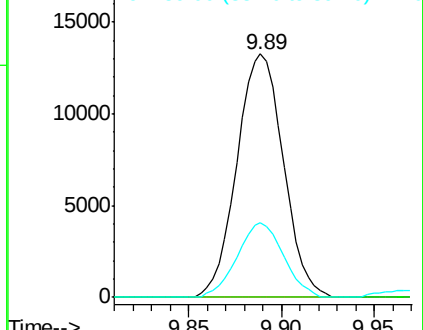
39 30.6 40.2 60.4#



Abundance Ion 74.90 (74.60 to 75.60): VN060719.D (-2411) (-)

Ion 76.90 (76.60 to 77.60): VN060719.D (-2411) (-)

Ion 39.00 (38.70 to 39.70): VN060719.D (-2411) (-)



#57

1,3-Dichloropropane

Concen: 0.883 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060719.D

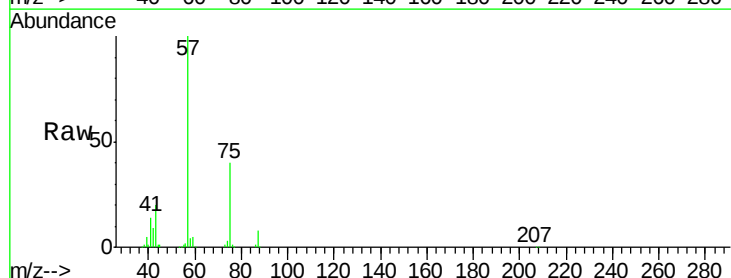
Acq: 26 Mar 2020 17:22

Tgt Ion: 76 Resp: 3592

Ion Ratio Lower Upper

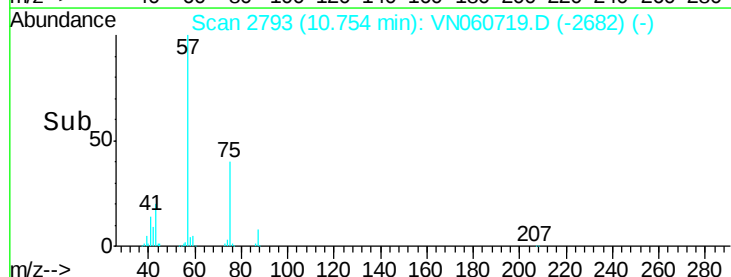
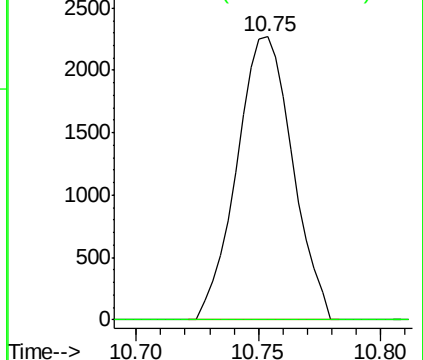
76 100

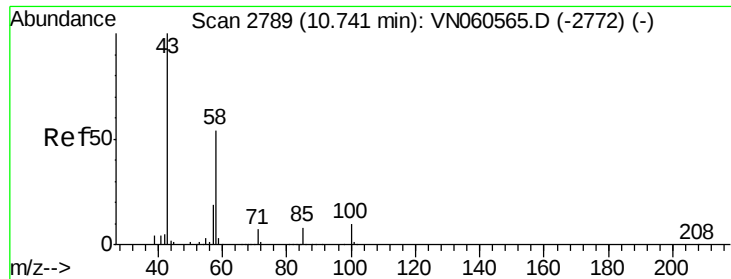
78 0.0 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VN060719.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060719.D (-2682) (-)

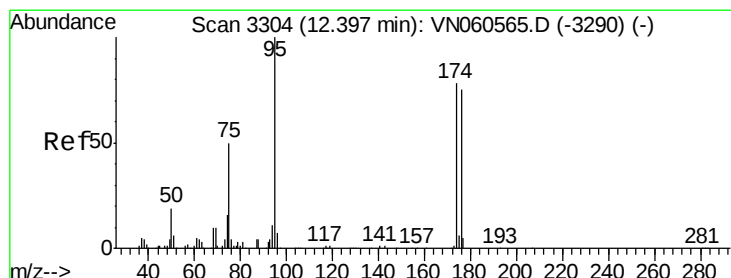
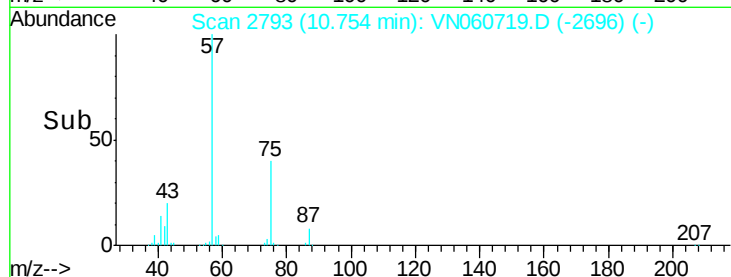
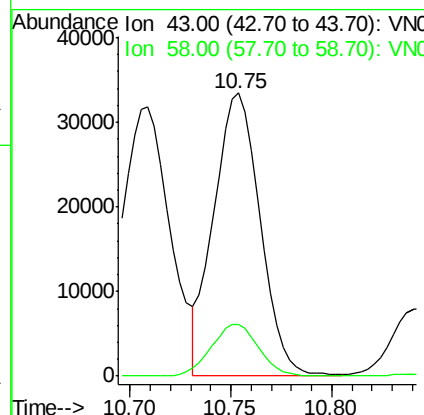
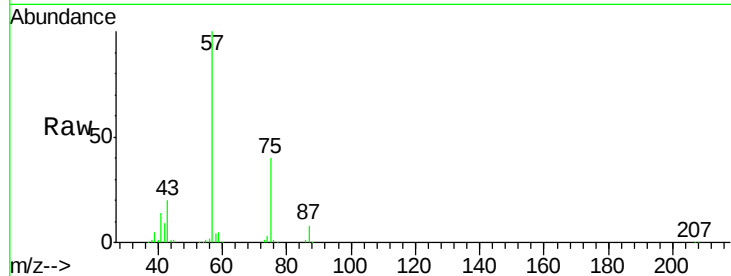




#59
2-Hexanone
Concen: 21.721 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060719.D
Acq: 26 Mar 2020 17:22

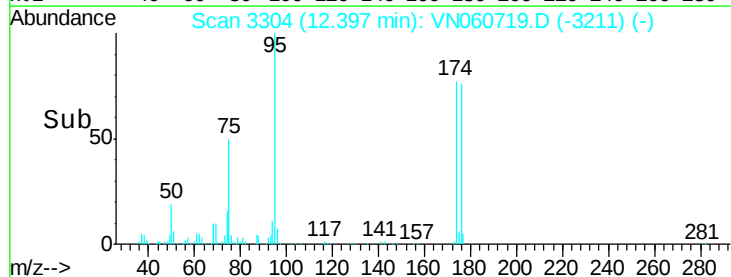
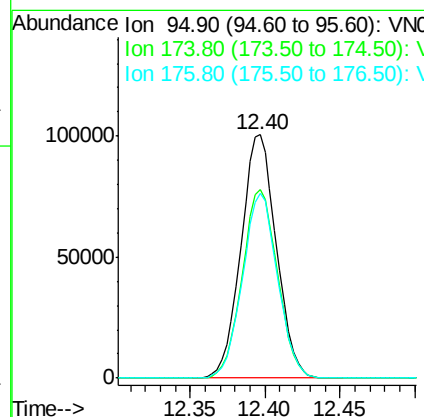
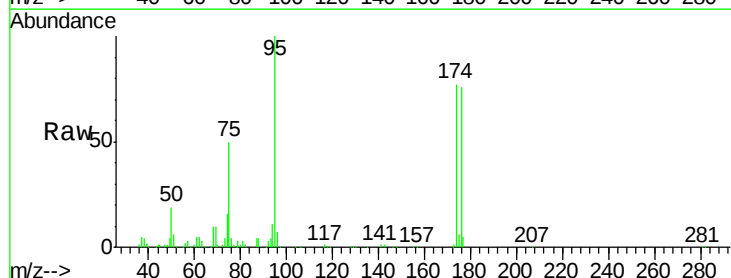
Instrument :
MSVOA_N
ClientSampleId :
NB-08-032420

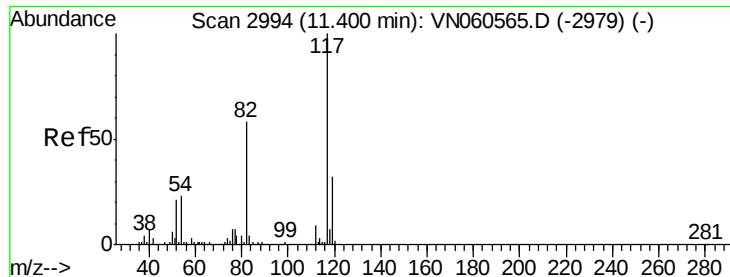
Tgt Ion: 43 Resp: 53059
Ion Ratio Lower Upper
43 100
58 18.9 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 52.805 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060719.D
Acq: 26 Mar 2020 17:22

Tgt Ion: 95 Resp: 165072
Ion Ratio Lower Upper
95 100
174 77.7 0.0 157.6
176 75.5 0.0 150.6

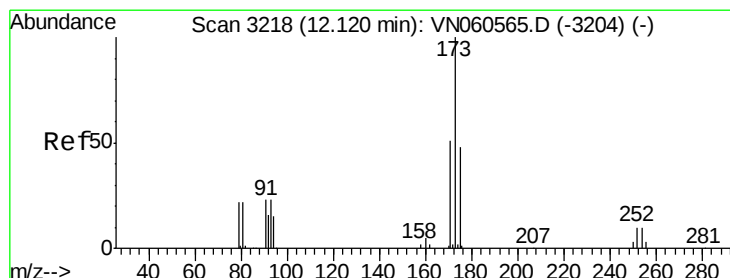
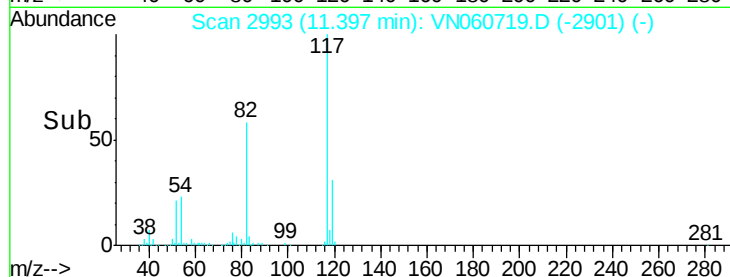
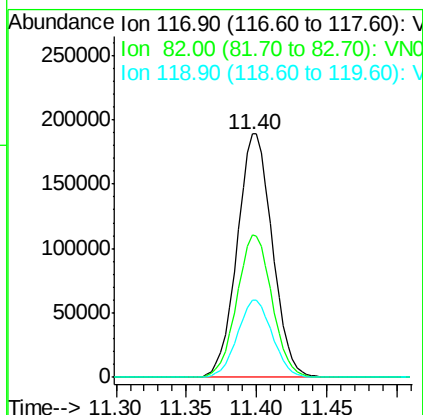
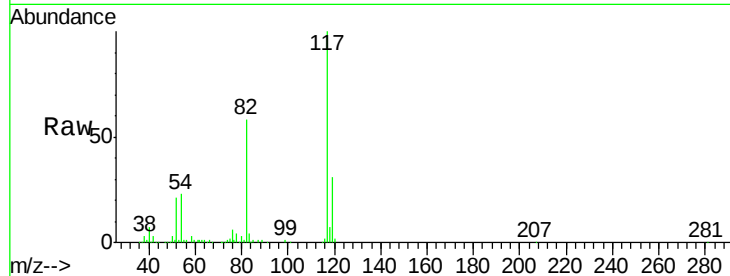




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060719.D
Acq: 26 Mar 2020 17:22

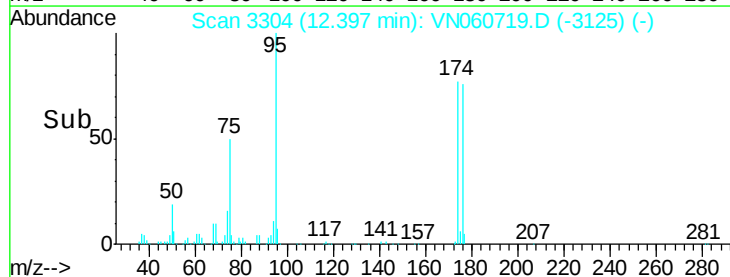
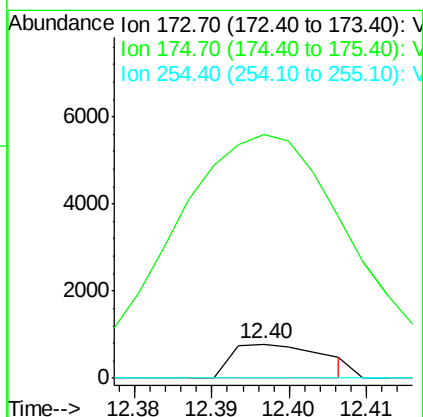
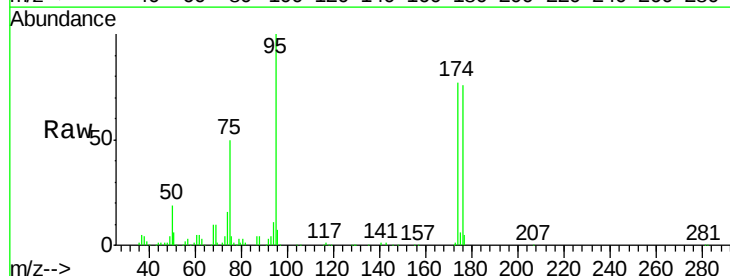
Instrument :
MSVOA_N
ClientSampleId :
NB-08-032420

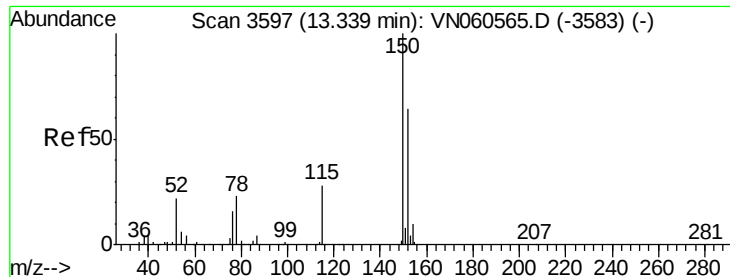
Tgt Ion:117 Resp: 330248
Ion Ratio Lower Upper
117 100
82 58.3 46.7 70.1
119 31.5 25.5 38.3



#71
Bromoform
Concen: 1.994 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.28 min
Lab File: VN060719.D
Acq: 26 Mar 2020 17:22

Tgt Ion:173 Resp: 640
Ion Ratio Lower Upper
173 100
175 1233.3 24.1 72.4#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060719.D

Acq: 26 Mar 2020 17:22

Instrument :

MSVOA_N

ClientSampleId :

NB-08-032420

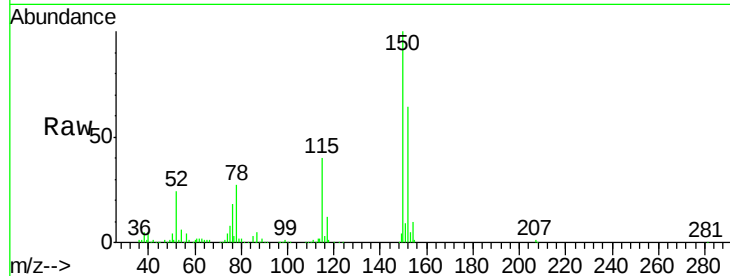
Tgt Ion: 152 Resp: 154095

Ion Ratio Lower Upper

152 100

115 61.1 30.2 90.6

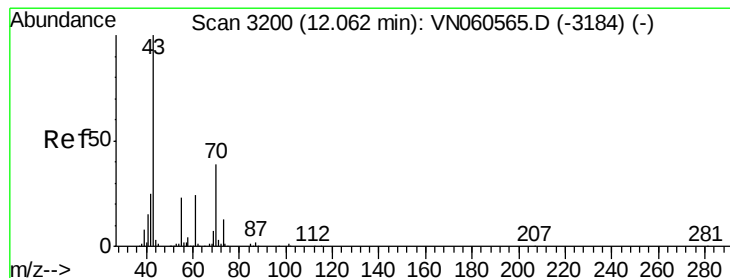
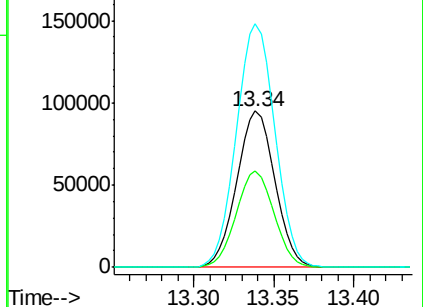
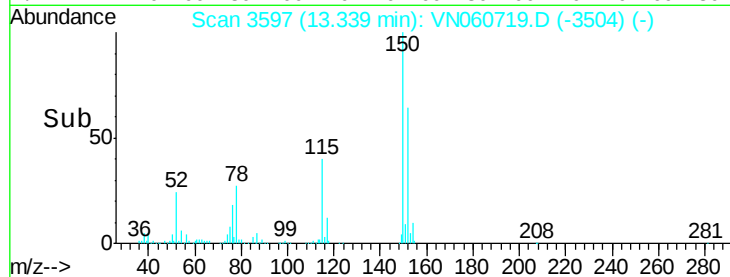
150 157.7 0.0 350.2



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: 0.446 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060719.D

Acq: 26 Mar 2020 17:22

Tgt Ion: 43 Resp: 2384

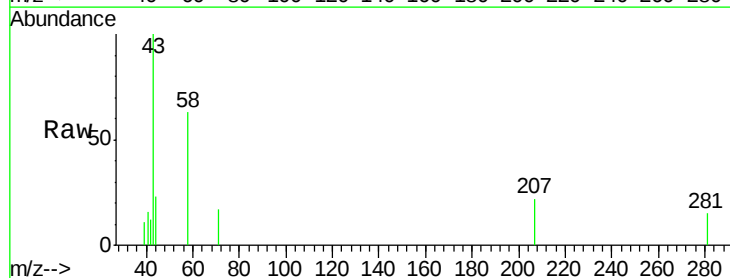
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

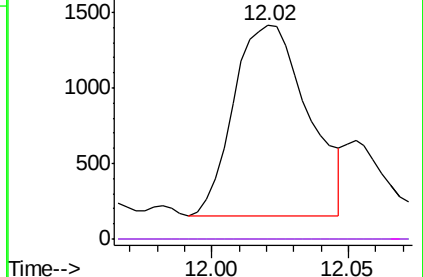
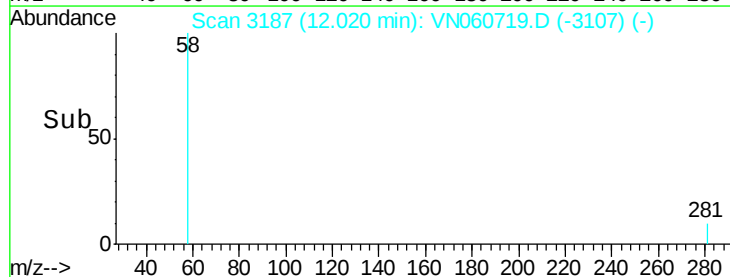


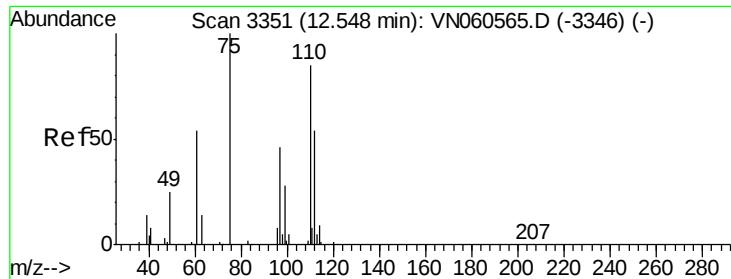
Abundance Ion 43.00 (42.70 to 43.70): V

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: 25.087 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060719.D

Acq: 26 Mar 2020 17:22

Instrument :

MSVOA_N

ClientSampleId :

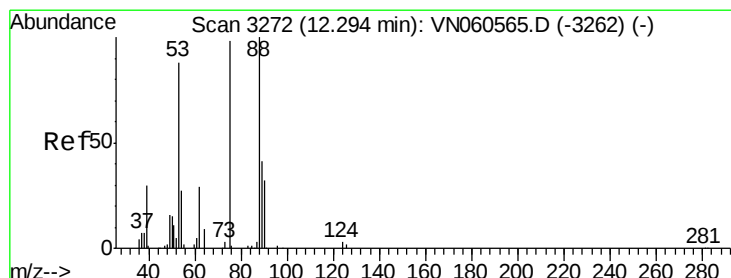
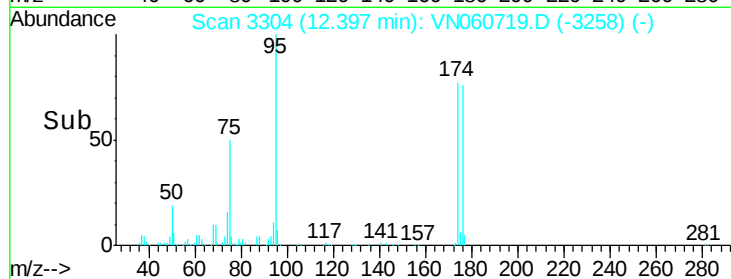
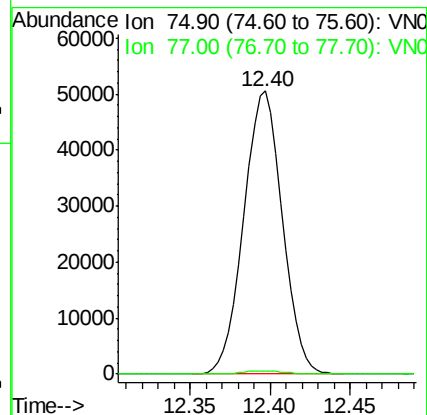
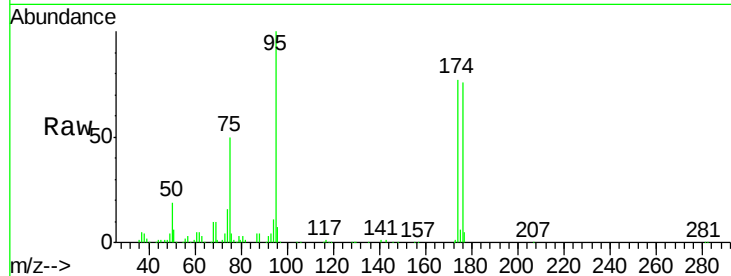
NB-08-032420

Tgt Ion: 75 Resp: 83416

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.431 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060719.D

Acq: 26 Mar 2020 17:22

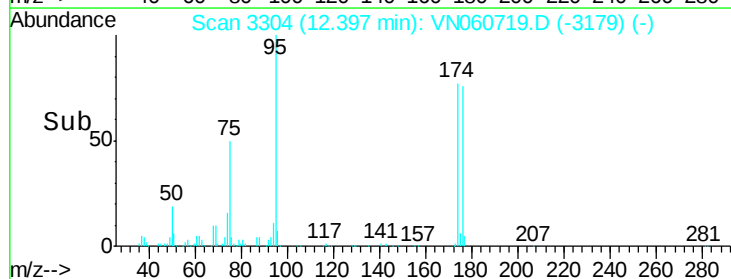
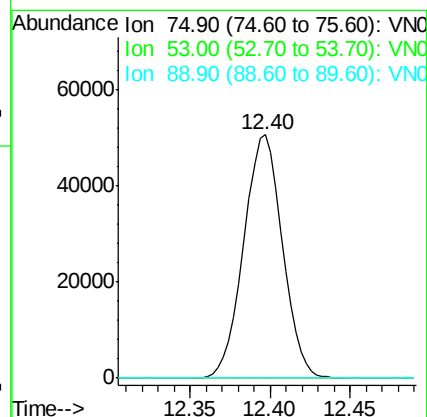
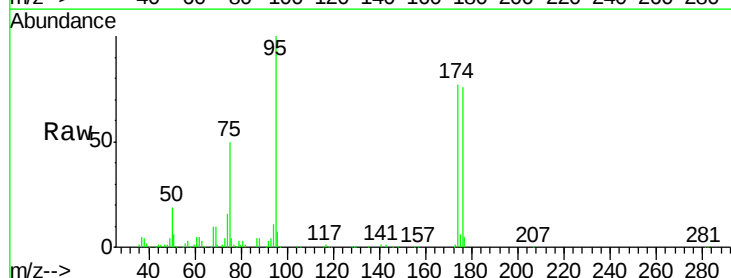
Tgt Ion: 75 Resp: 83416

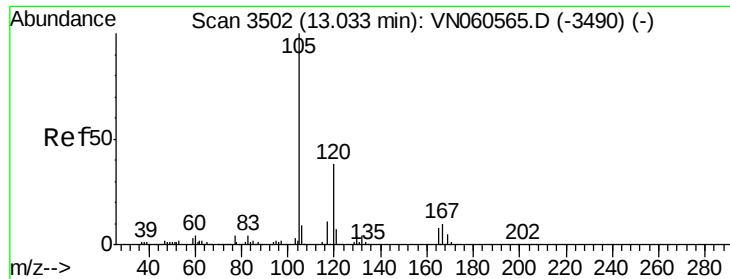
Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#

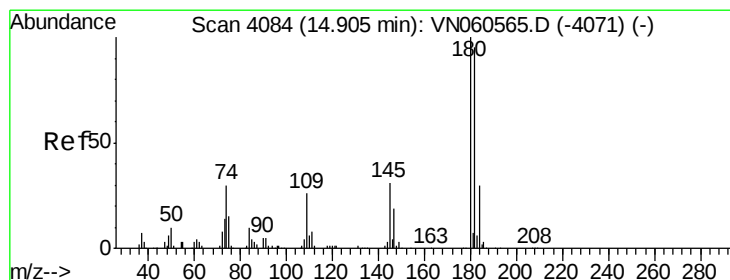
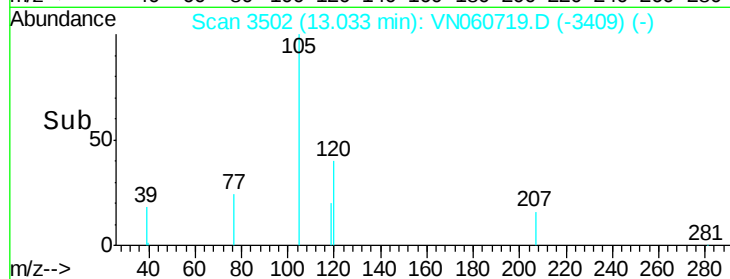
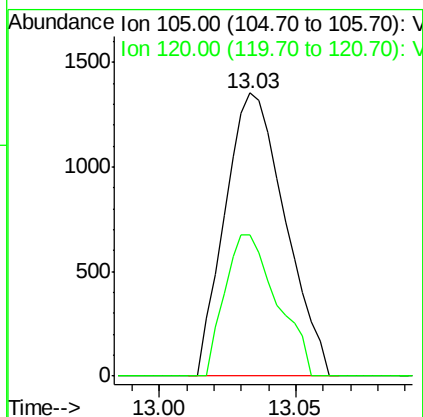
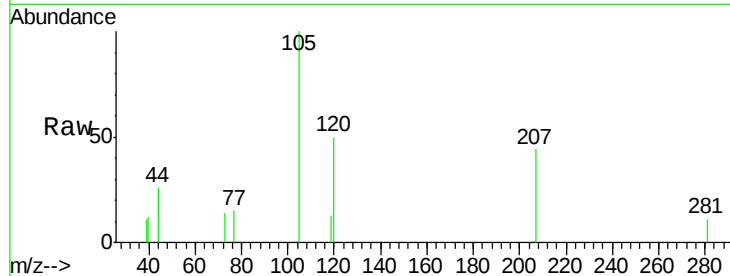




#84
 1,2,4-Trimethylbenzene
 Concen: 0.214 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.00 min
 Lab File: VN060719.D
 Acq: 26 Mar 2020 17:22

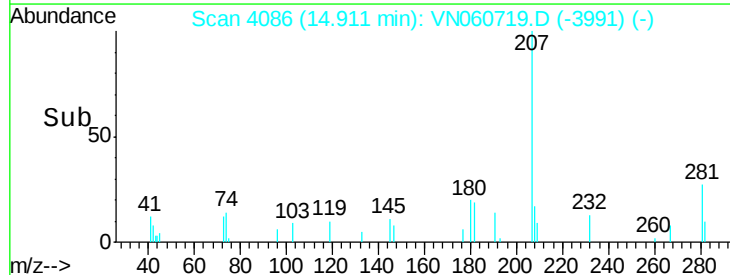
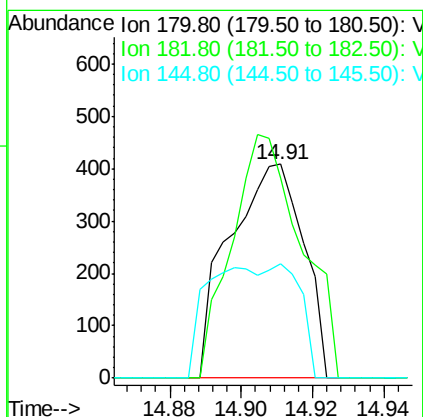
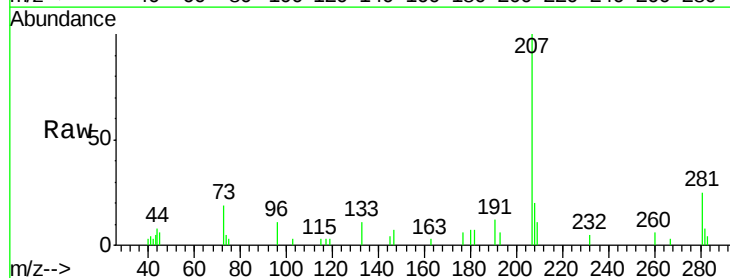
Instrument :
 MSVOA_N
 ClientSampleId :
 NB-08-032420

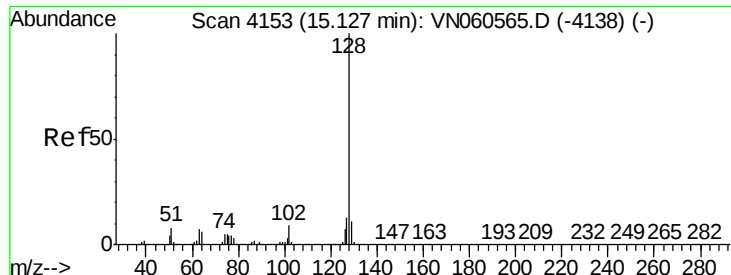
Tgt Ion:105 Resp: 2076
 Ion Ratio Lower Upper
 105 100
 120 43.4 22.1 66.5



#93
 1,2,4-Trichlorobenzene
 Concen: 0.202 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.01 min
 Lab File: VN060719.D
 Acq: 26 Mar 2020 17:22

Tgt Ion:180 Resp: 584
 Ion Ratio Lower Upper
 180 100
 182 107.2 47.9 143.8
 145 38.9 15.4 46.2





#95

Naphthalene

Concen: 0.496 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060719.D

Acq: 26 Mar 2020 17:22

Instrument :

MSVOA_N

ClientSampleId :

NB-08-032420

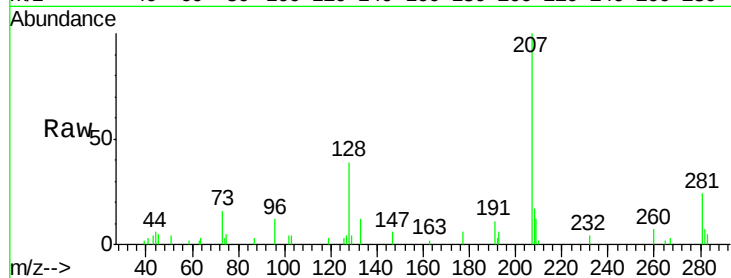
Tgt Ion:128 Resp: 4309

Ion Ratio Lower Upper

128 100

127 7.8 10.2 15.2#

129 11.3 8.8 13.2



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

