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 Data File : VN061776.D
 Acq On : 12 Jun 2020 8:01
 Operator : JC/MD
 Sample : L2810-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CL-02-060920

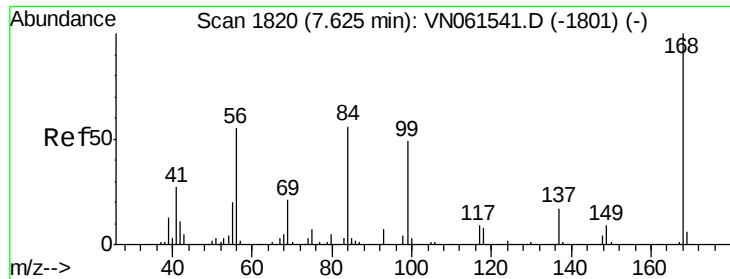
Quant Time: Jun 12 08:46:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	291056	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	491789	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	519351	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	234282	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	163365	47.11	ug/l	0.00
Spiked Amount			Recovery	=	94.22%	
35) Dibromofluoromethane	7.55	113	147822	59.25	ug/l	0.00
Spiked Amount			Recovery	=	118.50%	
50) Toluene-d8	10.06	98	608927	52.67	ug/l	0.00
Spiked Amount			Recovery	=	105.34%	
62) 4-Bromofluorobenzene	12.38	95	218397	51.78	ug/l	0.00
Spiked Amount			Recovery	=	103.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	44978	41.90	ug/l	97
18) Methyl Acetate	4.29	43	1094	0.35	ug/l #	56
20) Methylene Chloride	4.51	84	9808	1.42	ug/l	94
25) 2-Butanone	6.79	43	1209	0.74	ug/l	89
31) Cyclohexane	7.63	56	5278	1.08	ug/l #	3
36) 1,1-Dichloropropene	7.63	75	20128	4.62	ug/l #	47
38) Carbon Tetrachloride	7.63	117	26749	6.37	ug/l #	18
43) Isopropyl Acetate	8.13	43	20943	3.32	ug/l #	89
48) Methyl methacrylate	9.15	41	2447	0.86	ug/l #	19
51) 4-Methyl-2-Pentanone	9.95	43	4410	1.24	ug/l #	84
54) cis-1,3-Dichloropropene	9.88	75	21317	3.80	ug/l #	67
56) Ethyl methacrylate	10.52	69	1264	0.26	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	2134	0.38	ug/l #	42
59) 2-Hexanone	10.74	43	24120	9.45	ug/l #	51
71) Bromoform	12.38	173	1885	0.61	ug/l #	1
74) N-amyl acetate	12.01	43	1681	0.31	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	104456	24.52	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	104456	62.70	ug/l #	15
95) Naphthalene	15.11	128	8466	0.64	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

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MSVOA_N

ClientSampled :

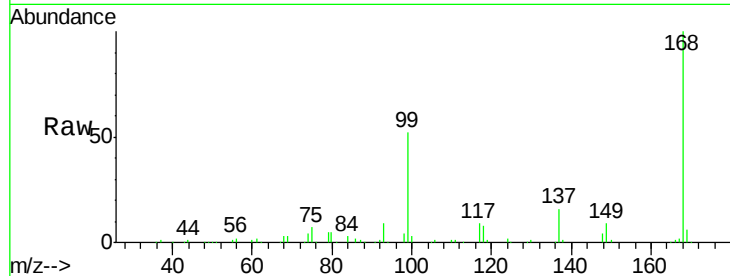
CL-02-060920

Tgt Ion: 168 Resp: 291056

Ion Ratio Lower Upper

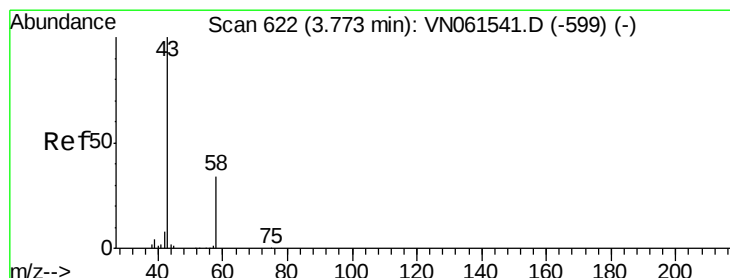
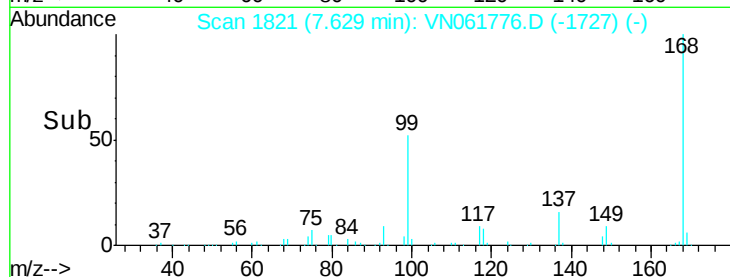
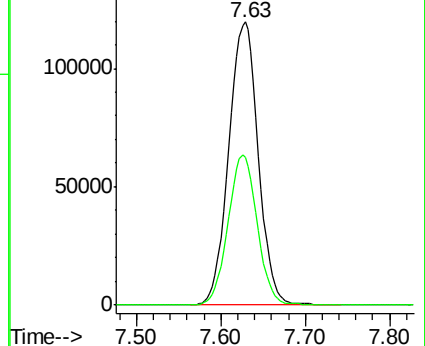
168 100

99 52.1 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 41.90 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN061776.D

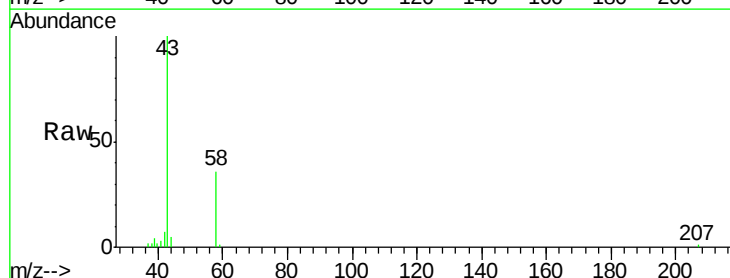
Acq: 12 Jun 2020 8:01

Tgt Ion: 43 Resp: 44978

Ion Ratio Lower Upper

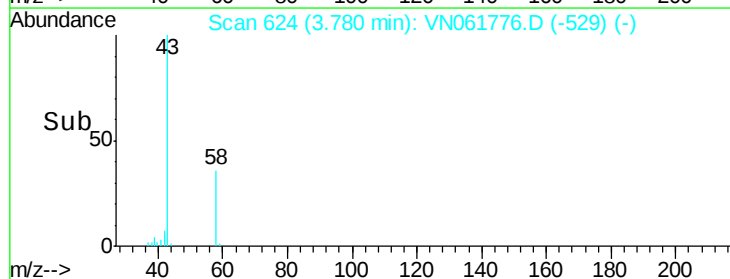
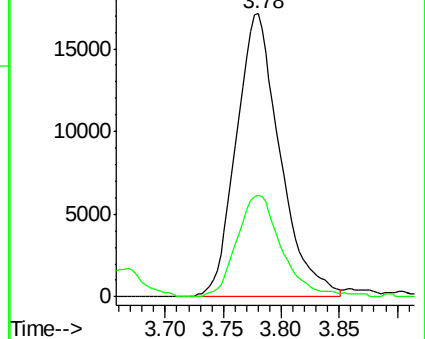
43 100

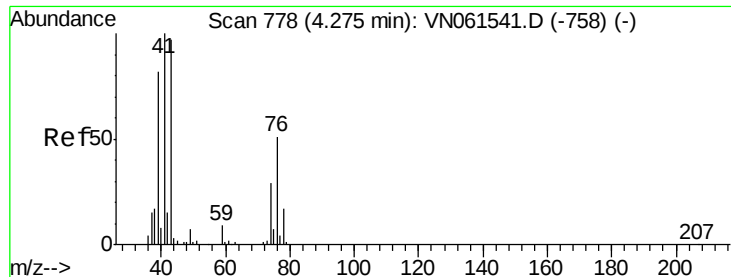
58 35.8 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

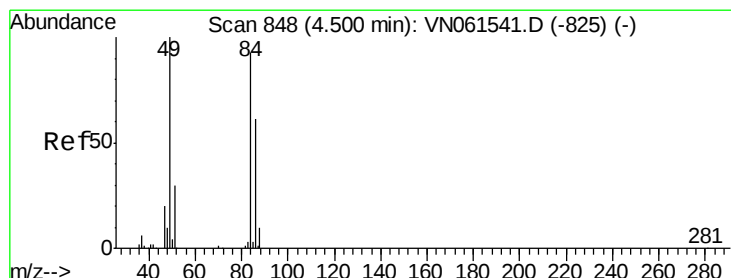
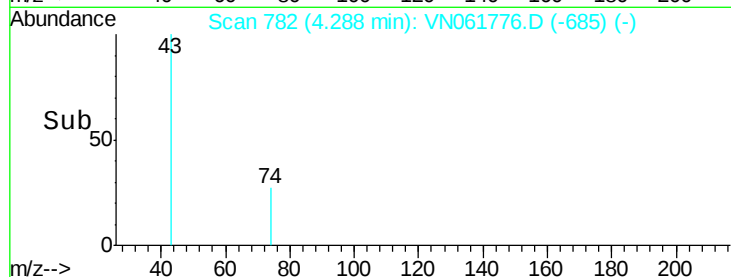
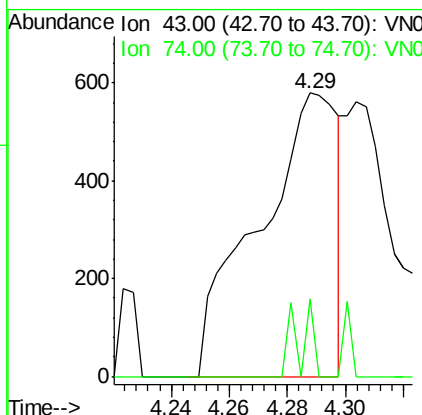
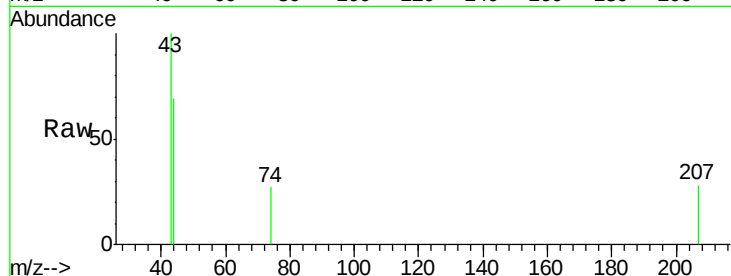




#18
Methyl Acetate
Concen: 0.35 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.01 min
Lab File: VN061776.D
Acq: 12 Jun 2020 8:01

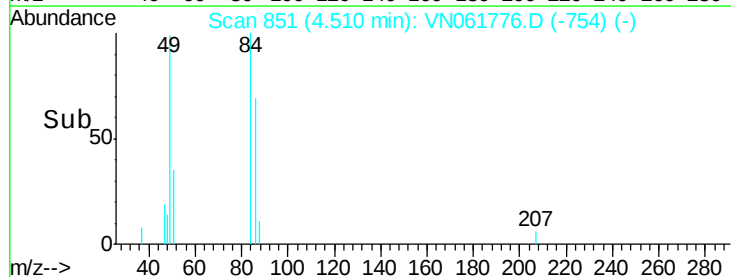
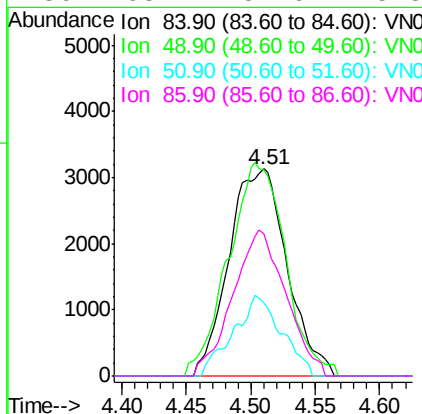
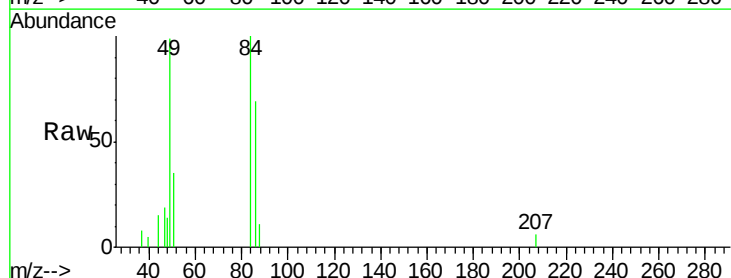
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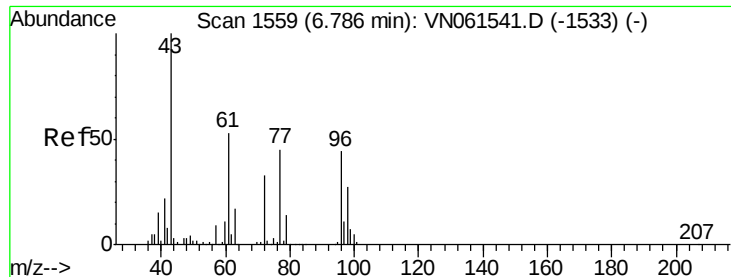
Tgt Ion: 43 Resp: 1094
Ion Ratio Lower Upper
43 100
74 5.5 23.2 34.8#



#20
Methylene Chloride
Concen: 1.42 ug/l
RT: 4.51 min Scan# 851
Delta R.T. 0.01 min
Lab File: VN061776.D
Acq: 12 Jun 2020 8:01

Tgt Ion: 84 Resp: 9808
Ion Ratio Lower Upper
84 100
49 99.3 85.8 128.8
51 35.1 26.2 39.2
86 68.7 52.6 78.8

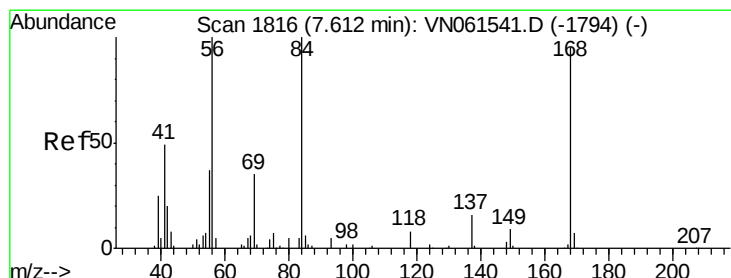
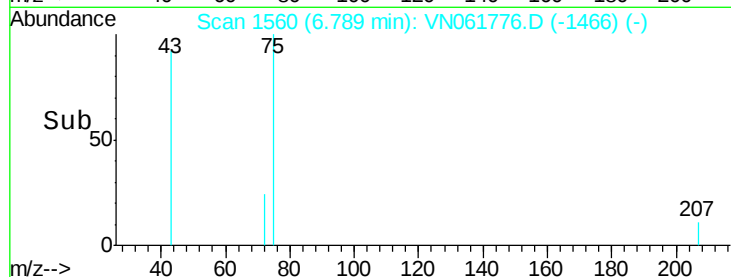
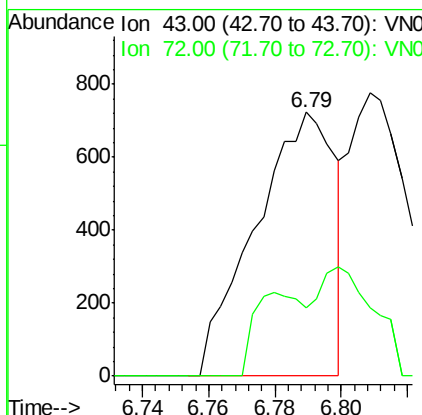
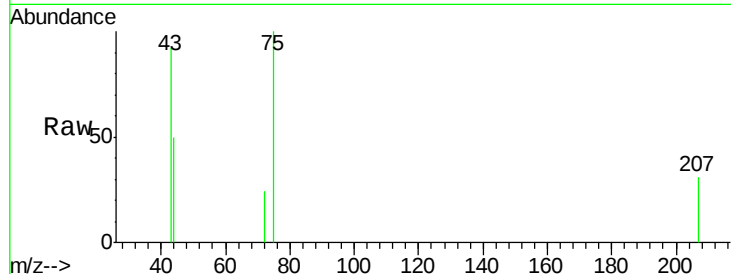




#25
2-Butanone
Concen: 0.74 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VN061776.D
Acq: 12 Jun 2020 8:01

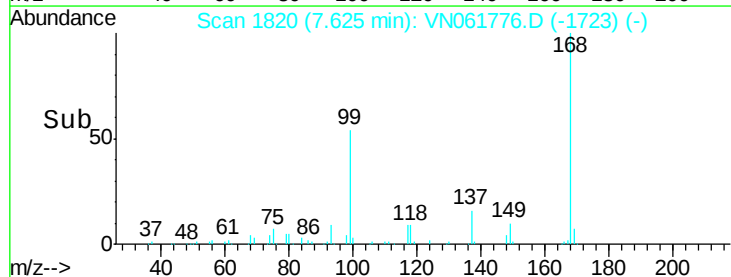
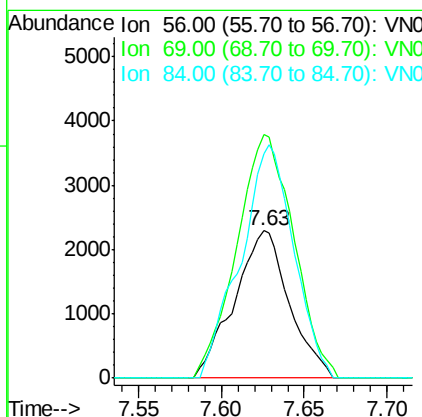
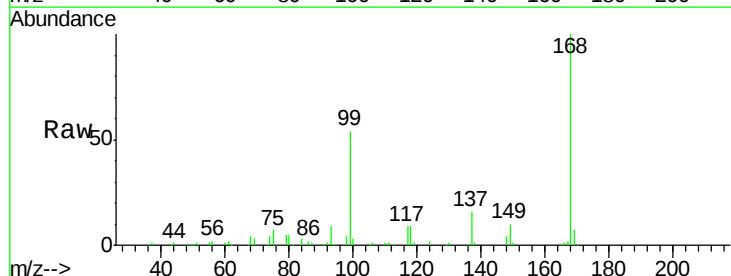
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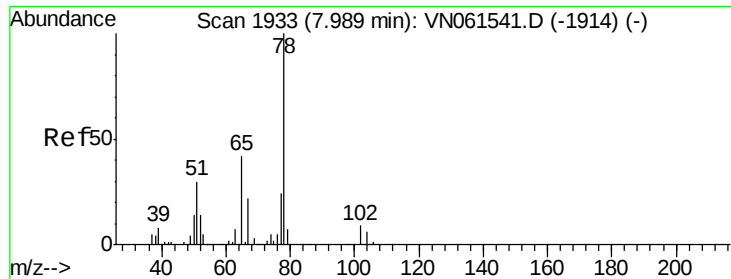
Tgt Ion: 43 Resp: 1209
Ion Ratio Lower Upper
43 100
72 26.1 26.0 39.0



#31
Cyclohexane
Concen: 1.08 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN061776.D
Acq: 12 Jun 2020 8:01

Tgt Ion: 56 Resp: 5278
Ion Ratio Lower Upper
56 100
69 165.2 27.8 41.8#
84 152.6 79.9 119.9#

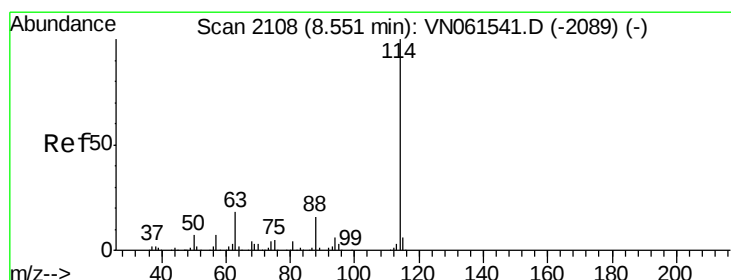
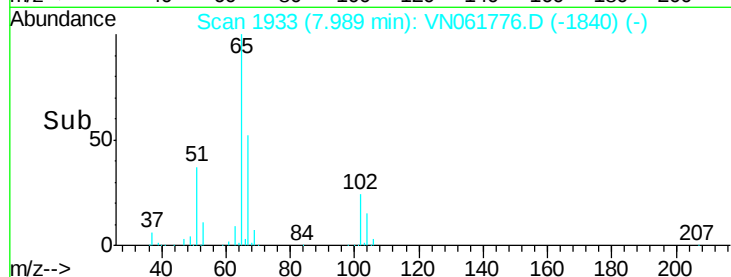
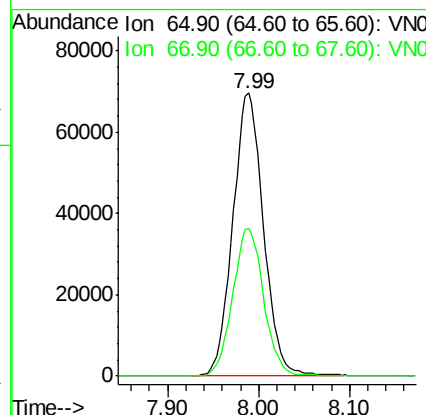
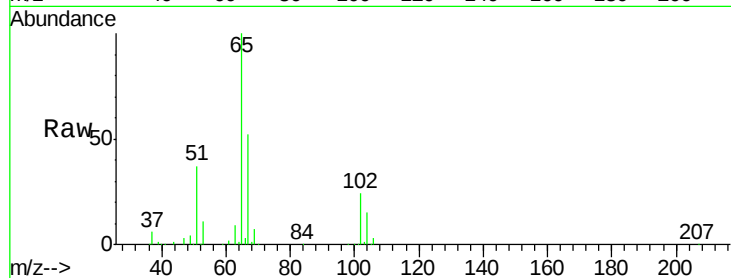




#33
 1,2-Dichloroethane-d4
 Concen: 47.11 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061776.D
 Acq: 12 Jun 2020 8:01

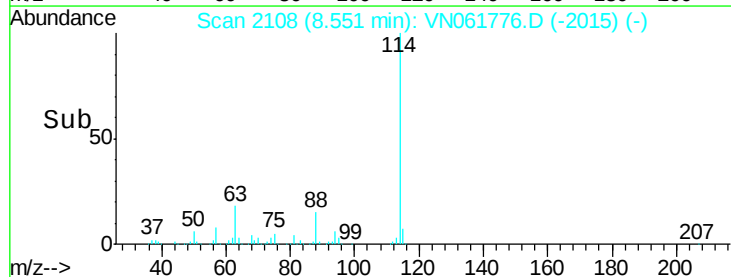
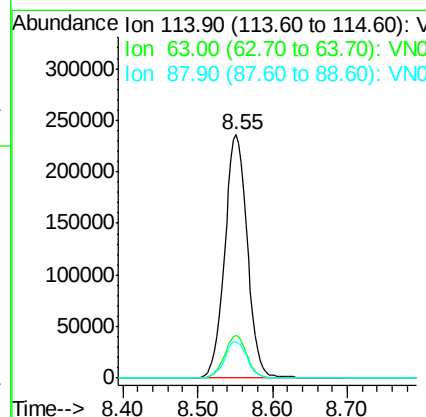
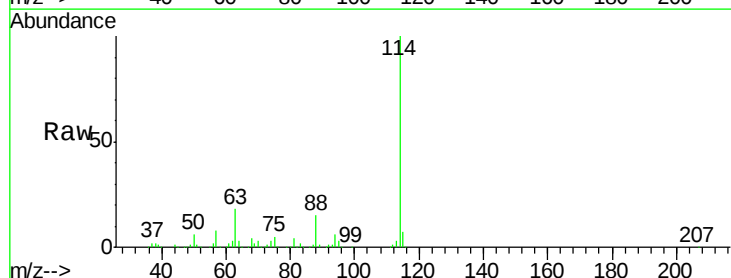
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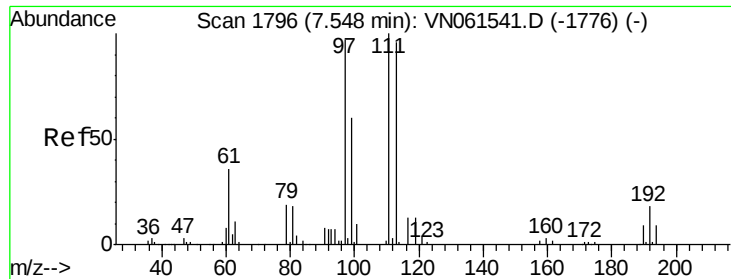
Tgt Ion: 65 Resp: 163365
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061776.D
 Acq: 12 Jun 2020 8:01

Tgt Ion: 114 Resp: 491789
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 35.8
 88 15.1 0.0 31.0

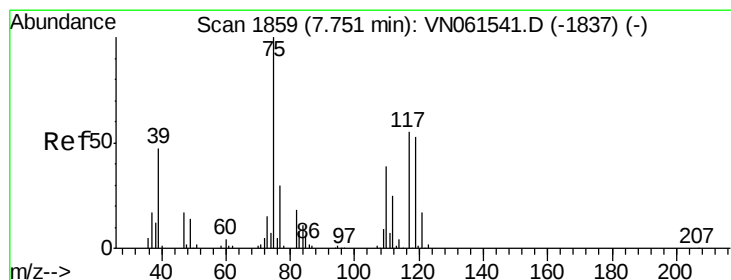
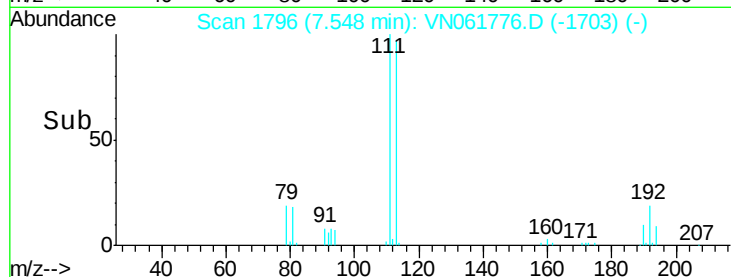
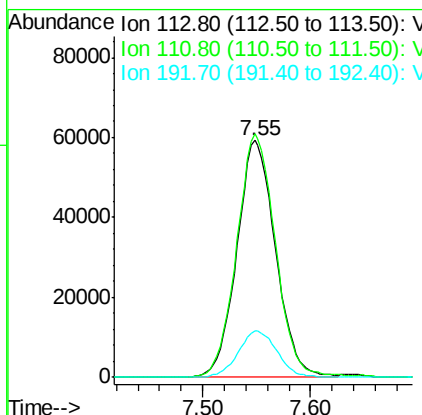
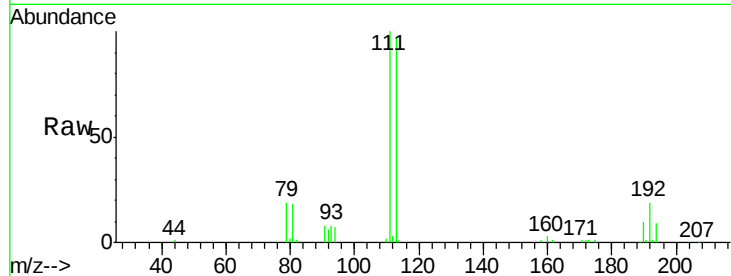




#35
 Dibromofluoromethane
 Concen: 59.25 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061776.D
 Acq: 12 Jun 2020 8:01

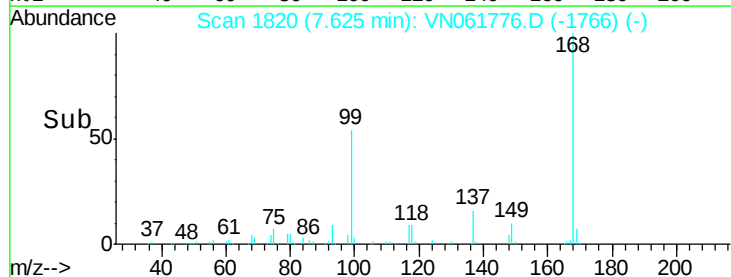
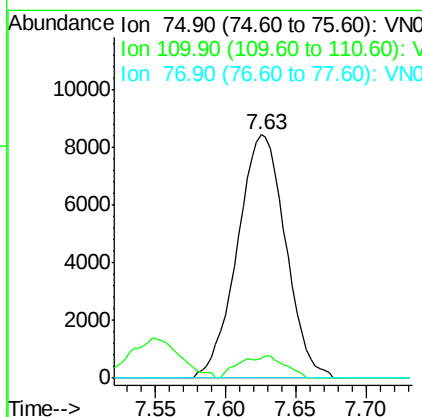
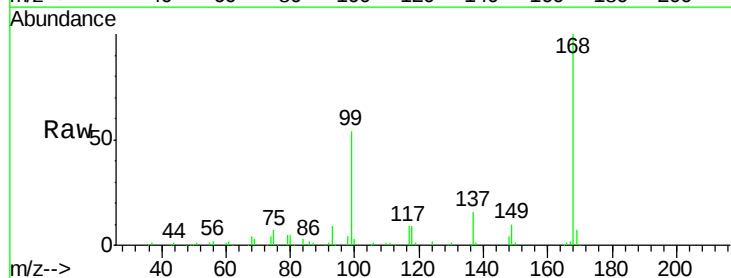
Instrument :
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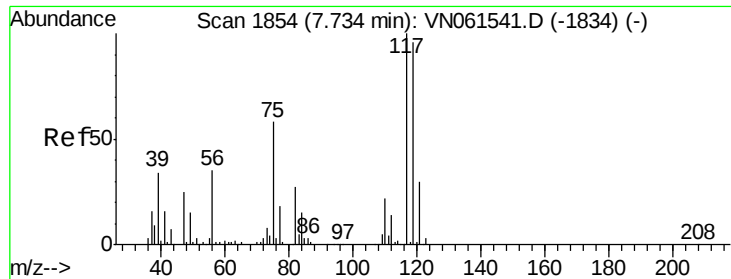
Tgt Ion: 113 Resp: 147822
 Ion Ratio Lower Upper
 113 100
 111 103.1 83.4 125.0
 192 19.8 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 4.62 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061776.D
 Acq: 12 Jun 2020 8:01

Tgt Ion: 75 Resp: 20128
 Ion Ratio Lower Upper
 75 100
 110 8.8 19.5 58.5#
 77 0.0 24.7 37.1#

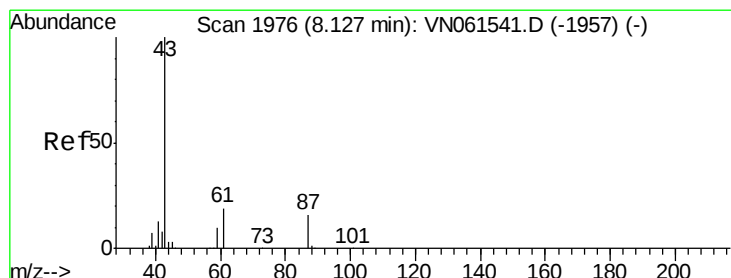
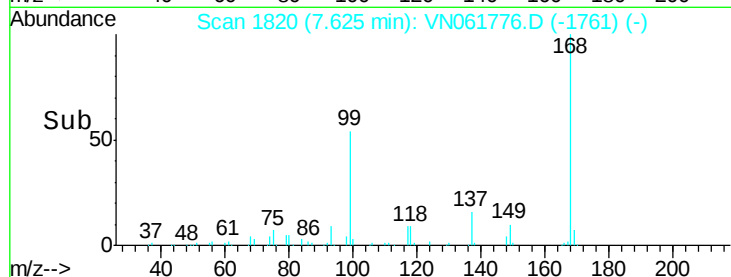
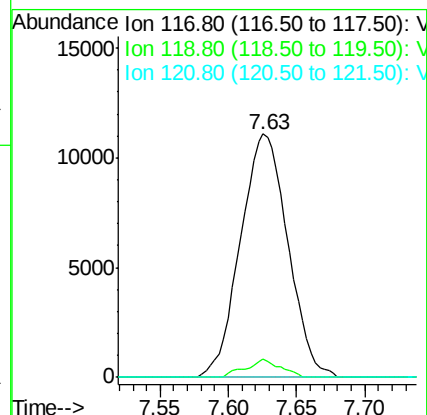
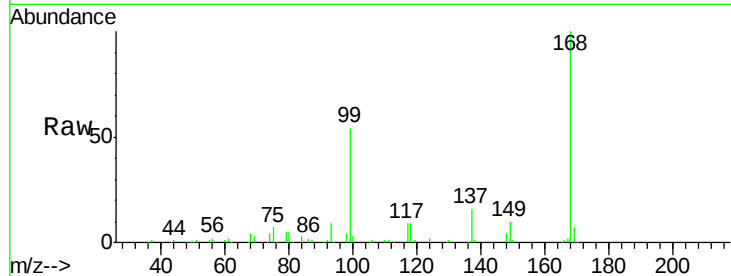




#38
Carbon Tetrachloride
Concen: 6.37 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.11 min
Lab File: VN061776.D
Acq: 12 Jun 2020 8:01

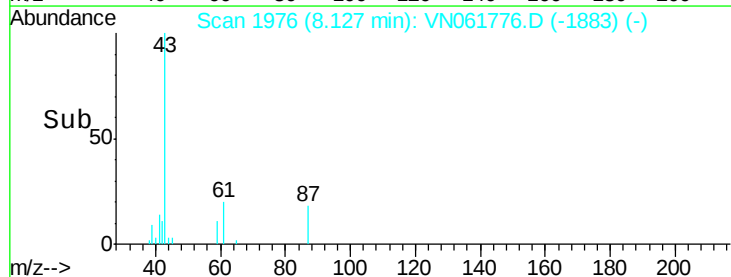
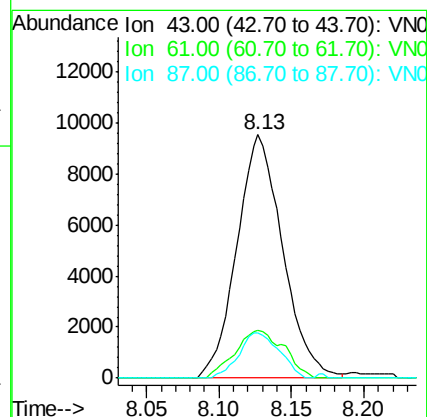
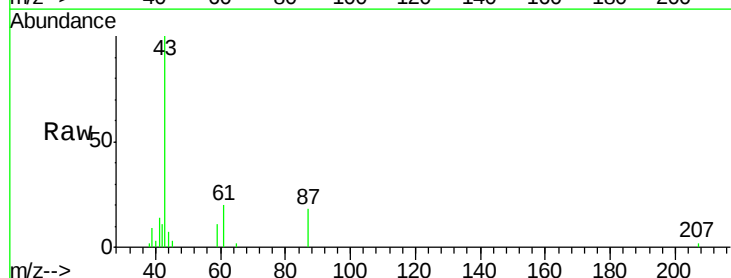
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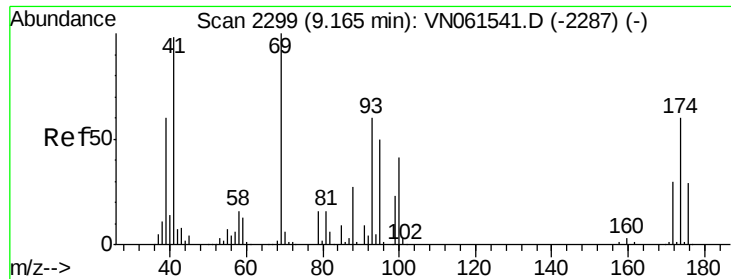
Tgt Ion: 117 Resp: 26749
Ion Ratio Lower Upper
117 100
119 7.3 76.5 114.7#
121 0.0 24.1 36.1#



#43
Isopropyl Acetate
Concen: 3.32 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN061776.D
Acq: 12 Jun 2020 8:01

Tgt Ion: 43 Resp: 20943
Ion Ratio Lower Upper
43 100
61 20.8 23.6 35.4#
87 16.5 13.0 19.6

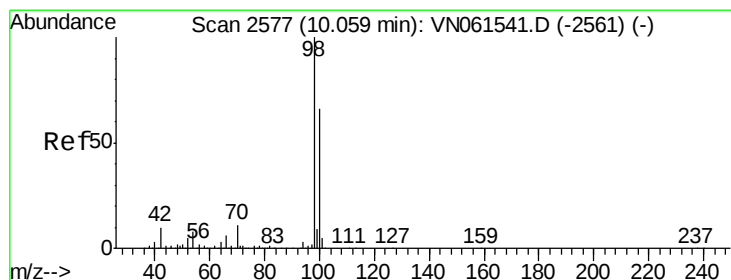
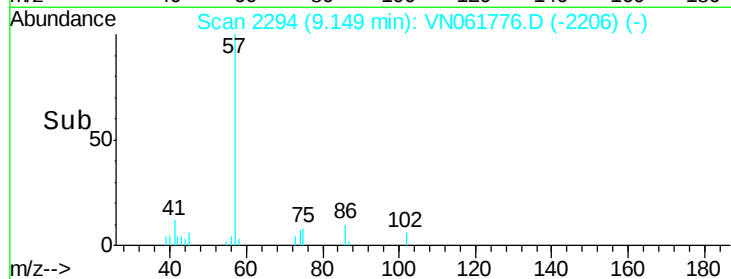
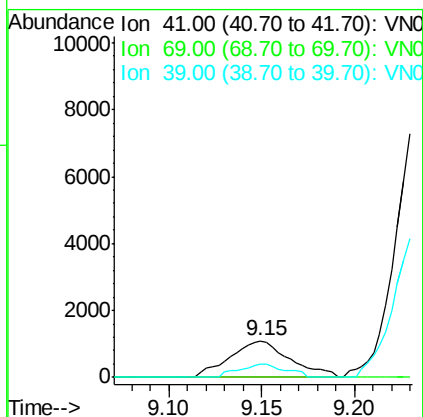
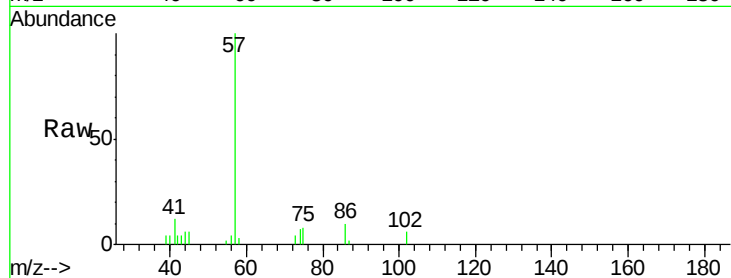




#48
Methyl methacrylate
Concen: 0.86 ug/l
RT: 9.15 min Scan# 2294
Delta R.T. -0.02 min
Lab File: VN061776.D
Acq: 12 Jun 2020 8:01

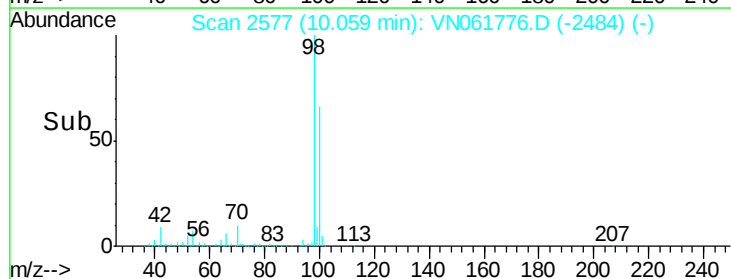
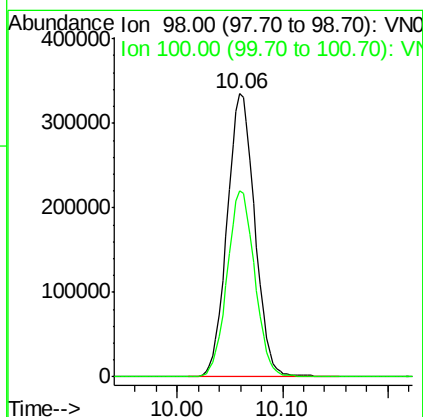
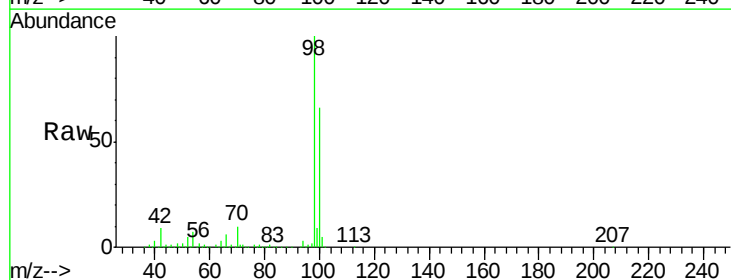
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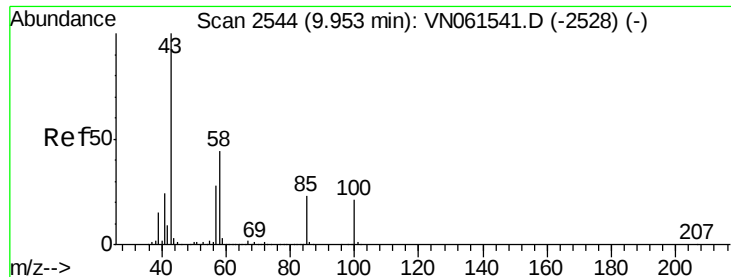
Tgt Ion: 41 Resp: 2447
Ion Ratio Lower Upper
41 100
69 0.0 83.9 125.9#
39 28.2 52.1 78.1#



#50
Toluene-d8
Concen: 52.67 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN061776.D
Acq: 12 Jun 2020 8:01

Tgt Ion: 98 Resp: 608927
Ion Ratio Lower Upper
98 100
100 65.7 52.8 79.2

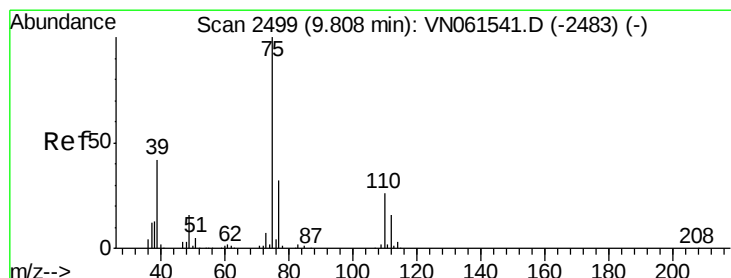
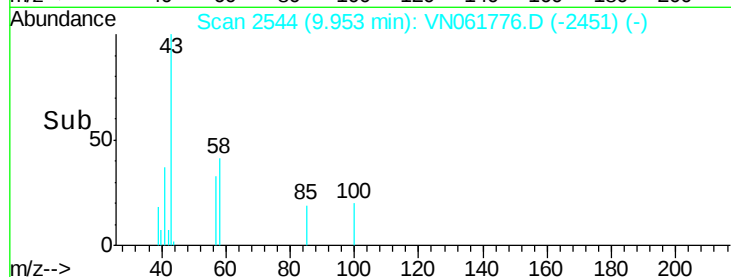
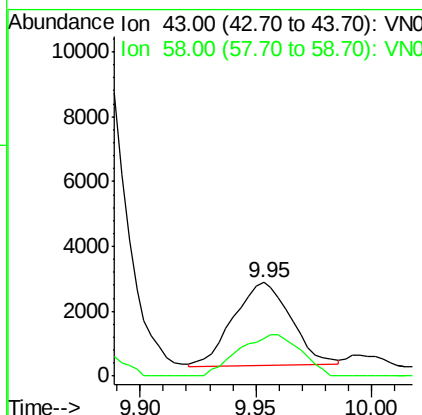
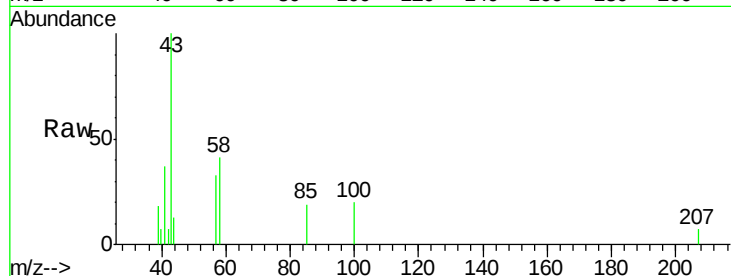




#51
 4-Methyl-2-Pentanone
 Concen: 1.24 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. 0.00 min
 Lab File: VN061776.D
 Acq: 12 Jun 2020 8:01

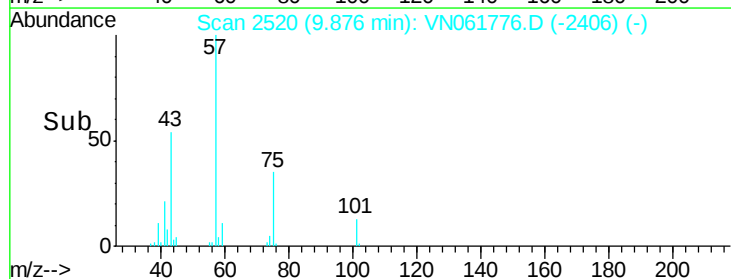
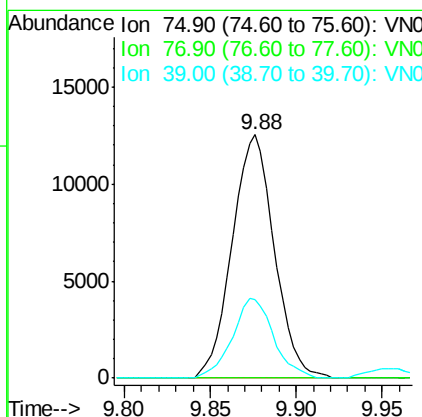
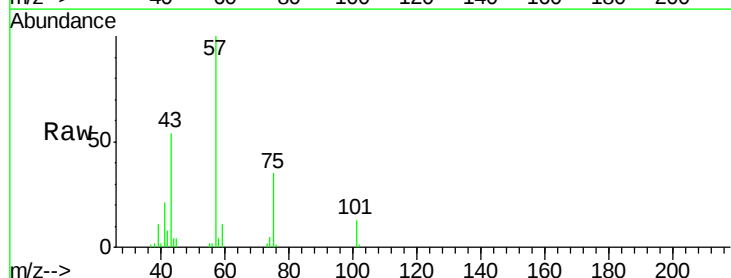
Instrument :
 MSVOA_N
 ClientSampleId :
 CL-02-060920

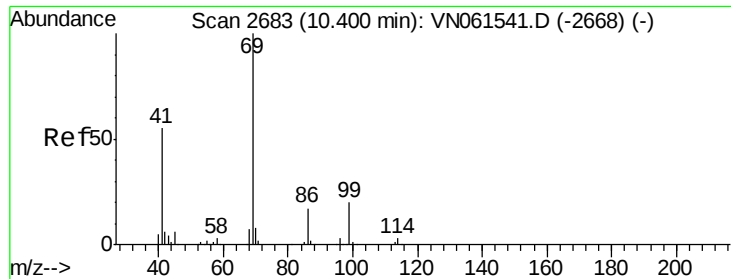
Tgt Ion: 43 Resp: 4410
 Ion Ratio Lower Upper
 43 100
 58 54.1 35.0 52.6#



#54
 cis-1,3-Dichloropropene
 Concen: 3.80 ug/l
 RT: 9.88 min Scan# 2520
 Delta R.T. 0.07 min
 Lab File: VN061776.D
 Acq: 12 Jun 2020 8:01

Tgt Ion: 75 Resp: 21317
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#
 39 32.3 33.8 50.6#





#56

Ethyl methacrylate

Concen: 0.26 ug/l

RT: 10.52 min Scan# 2720

Delta R.T. 0.12 min

Lab File: VN061776.D

Acq: 12 Jun 2020 8:01

Instrument :

MSVOA_N

ClientSampleId :

CL-02-060920

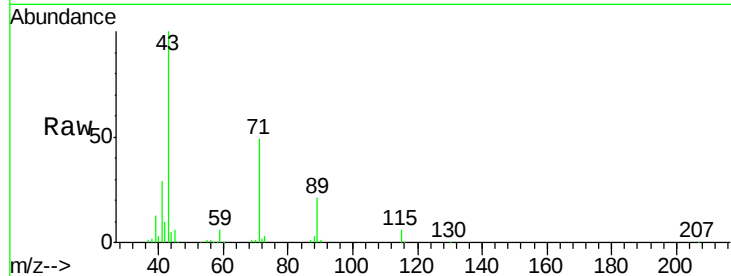
Tgt Ion: 69 Resp: 1264

Ion Ratio Lower Upper

69 100

41 3687.4 43.5 65.3#

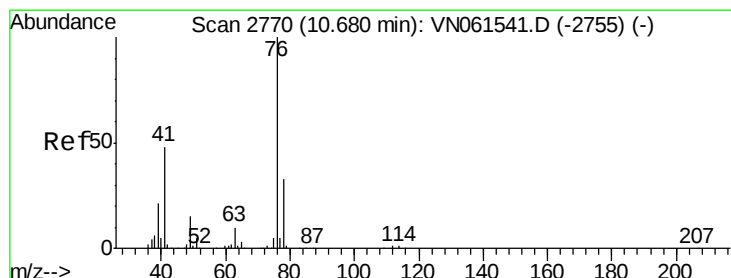
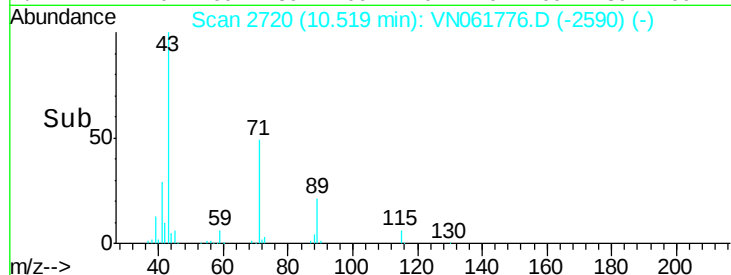
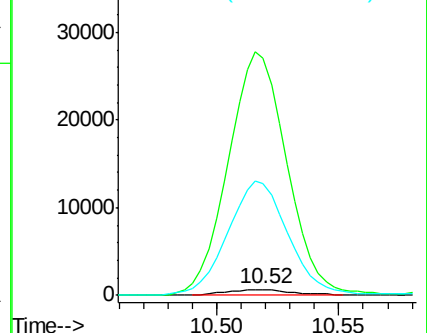
39 1776.2 27.0 40.6#



Abundance Ion 69.00 (68.70 to 69.70): VN061776.D (-2720) (-)

Ion 41.00 (40.70 to 41.70): VN061776.D (-2720) (-)

Ion 39.00 (38.70 to 39.70): VN061776.D (-2720) (-)



#57

1,3-Dichloropropane

Concen: 0.38 ug/l

RT: 10.73 min Scan# 2787

Delta R.T. 0.05 min

Lab File: VN061776.D

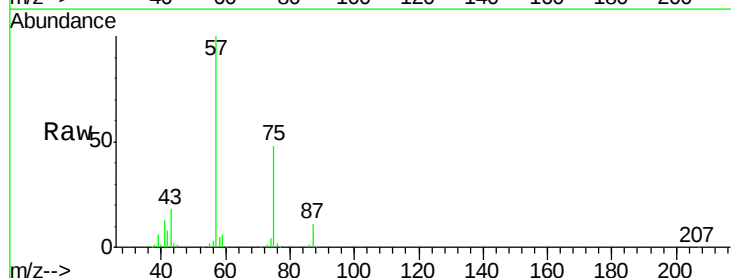
Acq: 12 Jun 2020 8:01

Tgt Ion: 76 Resp: 2134

Ion Ratio Lower Upper

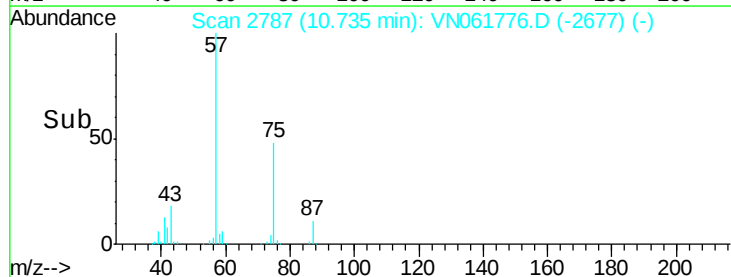
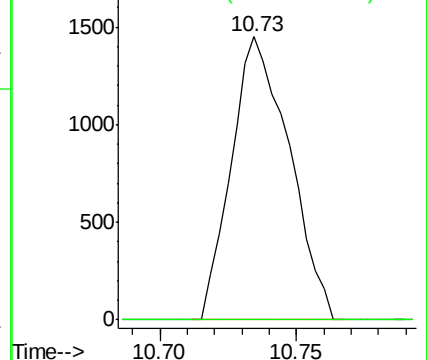
76 100

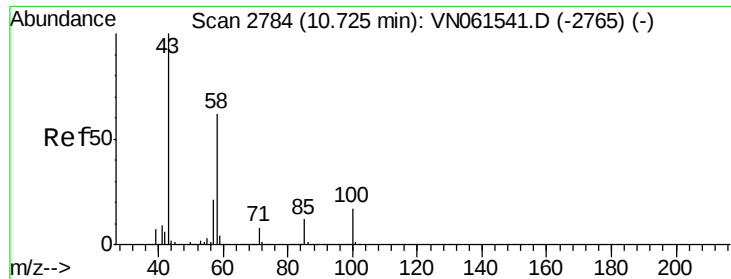
78 0.0 26.3 39.5#



Abundance Ion 75.90 (75.60 to 76.60): VN061776.D (-2787) (-)

Ion 77.90 (77.60 to 78.60): VN061776.D (-2787) (-)

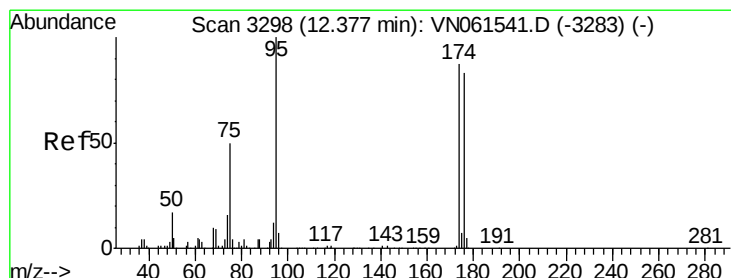
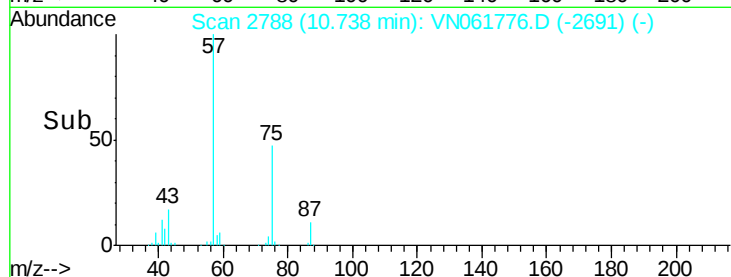
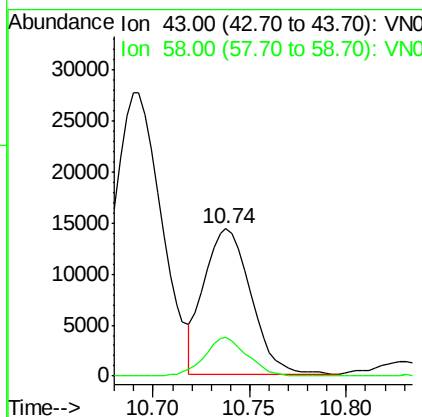
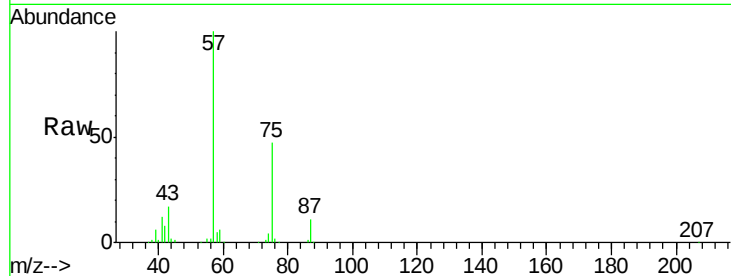




#59
 2-Hexanone
 Concen: 9.45 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.01 min
 Lab File: VN061776.D
 Acq: 12 Jun 2020 8:01

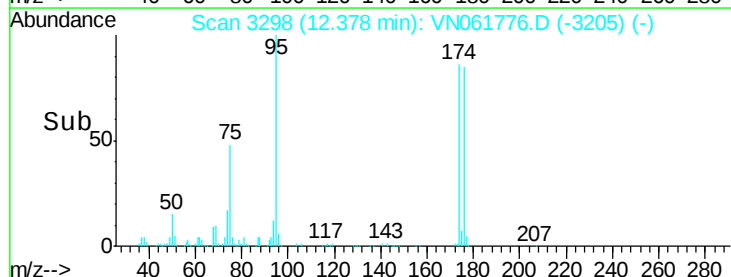
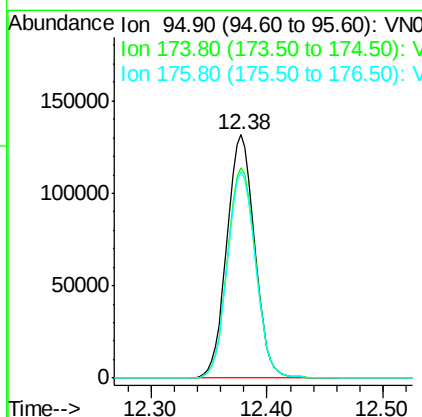
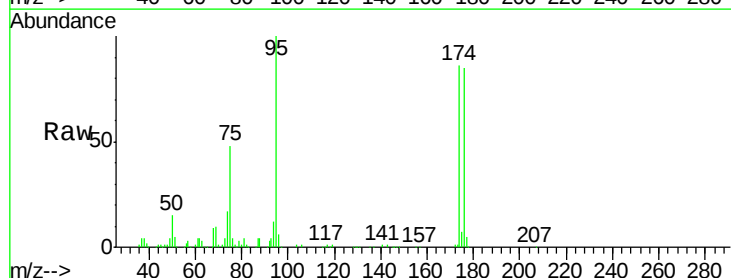
Instrument :
 MSVOA_N
 ClientSampleId :
 CL-02-060920

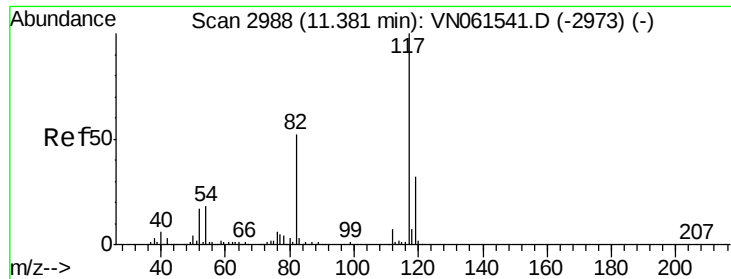
Tgt Ion: 43 Resp: 24120
 Ion Ratio Lower Upper
 43 100
 58 24.2 30.7 92.1#



#62
 4-Bromofluorobenzene
 Concen: 51.78 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN061776.D
 Acq: 12 Jun 2020 8:01

Tgt Ion: 95 Resp: 218397
 Ion Ratio Lower Upper
 95 100
 174 88.0 0.0 172.8
 176 85.5 0.0 164.8

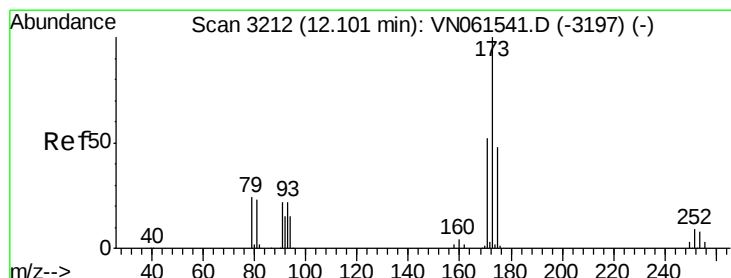
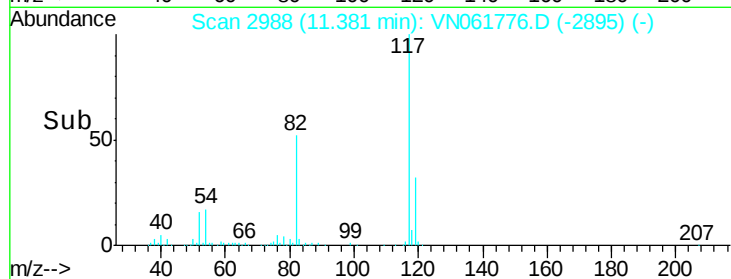
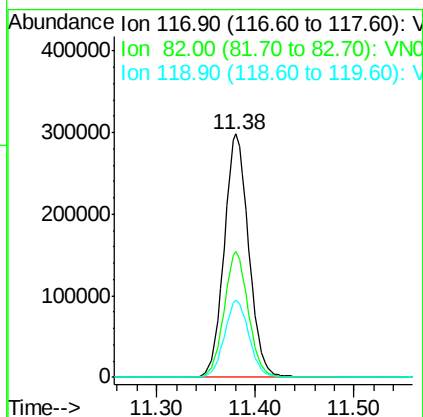
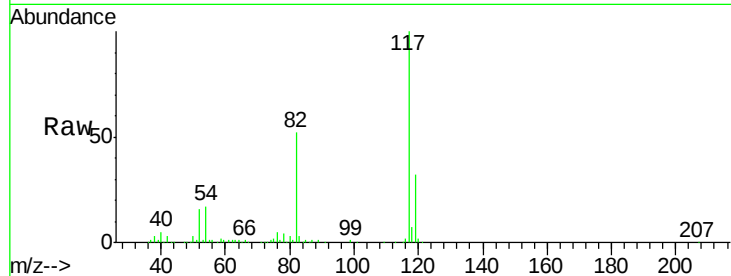




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061776.D
Acq: 12 Jun 2020 8:01

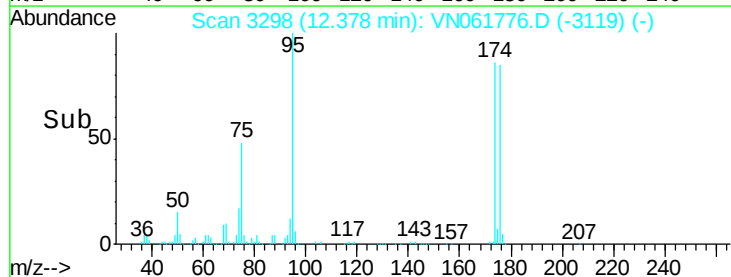
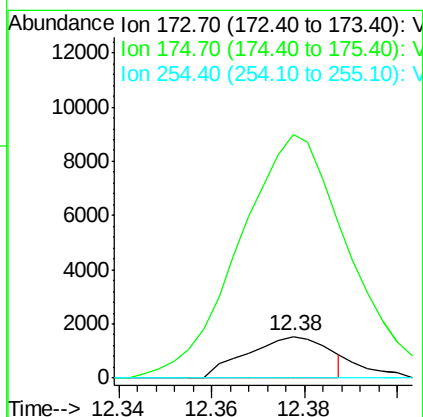
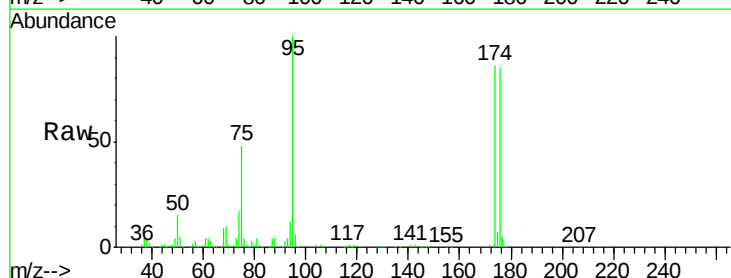
Instrument :
MSVOA_N
ClientSampleId :
CL-02-060920

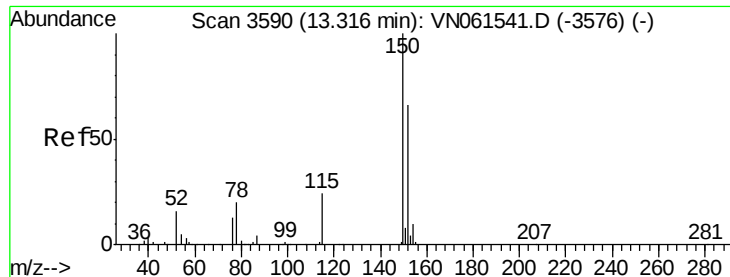
Tgt Ion:117 Resp: 519351
Ion Ratio Lower Upper
117 100
82 51.5 41.5 62.3
119 31.8 25.6 38.4



#71
Bromoform
Concen: 0.61 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN061776.D
Acq: 12 Jun 2020 8:01

Tgt Ion:173 Resp: 1885
Ion Ratio Lower Upper
173 100
175 649.5 24.4 73.2#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061776.D

Acq: 12 Jun 2020 8:01

Instrument :

MSVOA_N

ClientSampled :

CL-02-060920

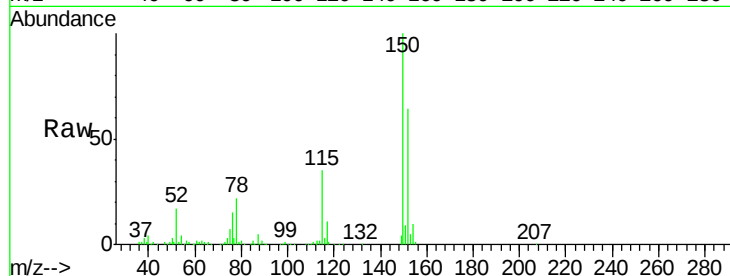
Tgt Ion:152 Resp: 234282

Ion Ratio Lower Upper

152 100

115 55.4 28.0 84.0

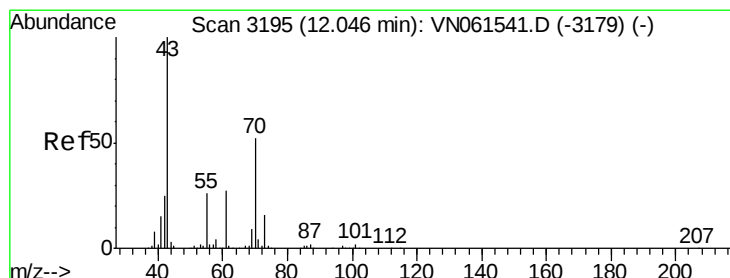
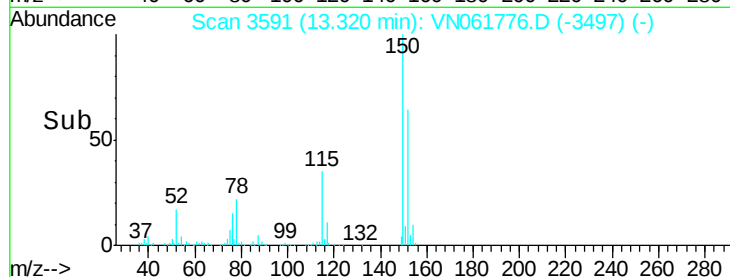
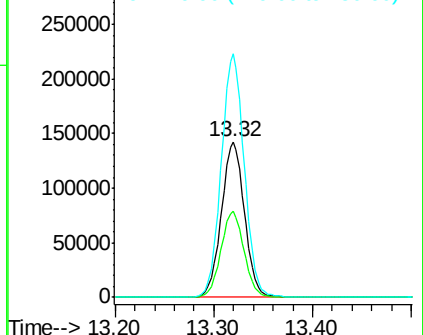
150 156.1 0.0 344.0



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: 0.31 ug/l

RT: 12.01 min Scan# 3183

Delta R.T. -0.04 min

Lab File: VN061776.D

Acq: 12 Jun 2020 8:01

Tgt Ion: 43 Resp: 1681

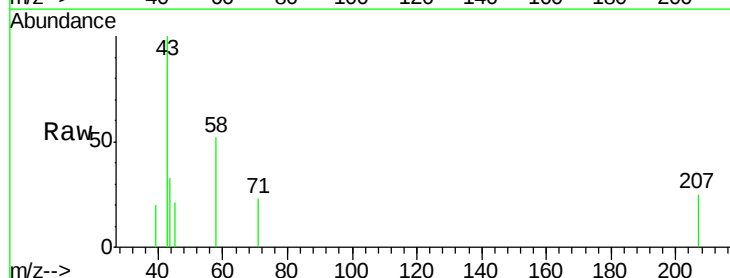
Ion Ratio Lower Upper

43 100

70 0.0 40.5 60.7#

55 0.0 20.6 31.0#

61 0.0 21.8 32.6#

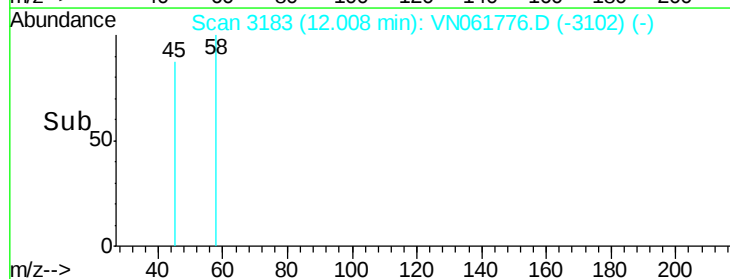
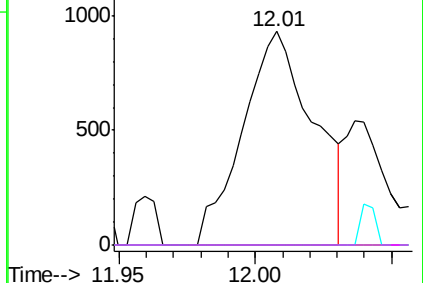


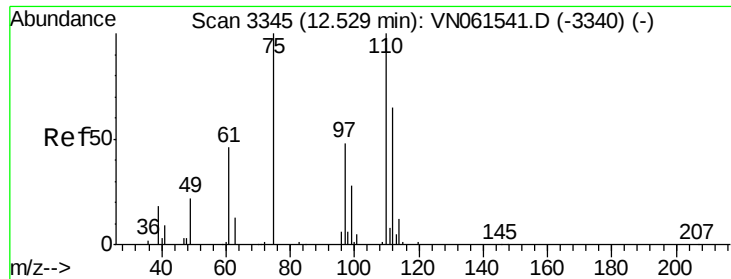
Abundance Ion 43.00 (42.70 to 43.70): V

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: 24.52 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061776.D

Acq: 12 Jun 2020 8:01

Instrument :

MSVOA_N

ClientSampleId :

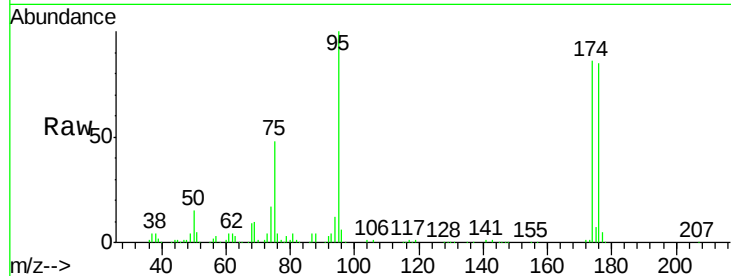
CL-02-060920

Tgt Ion: 75 Resp: 104456

Ion Ratio Lower Upper

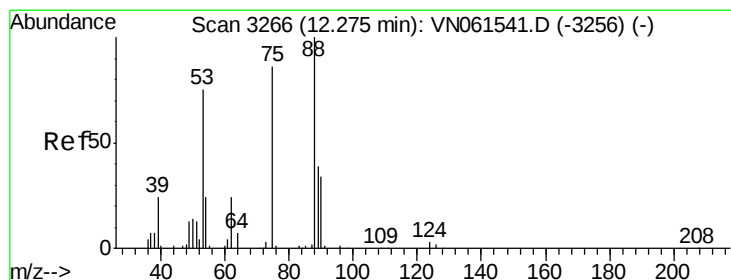
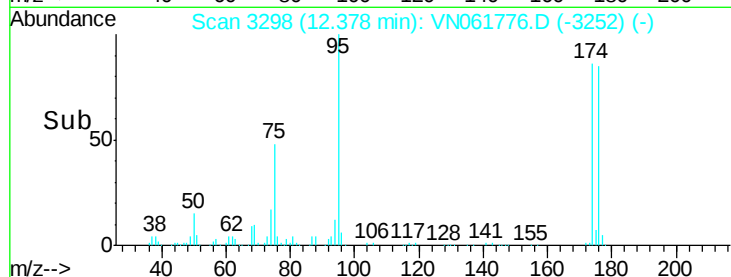
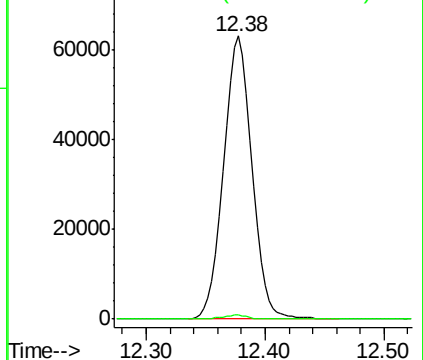
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 62.70 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061776.D

Acq: 12 Jun 2020 8:01

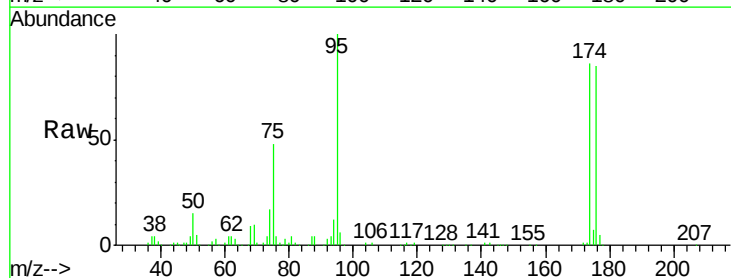
Tgt Ion: 75 Resp: 104456

Ion Ratio Lower Upper

75 100

53 0.0 67.8 101.8#

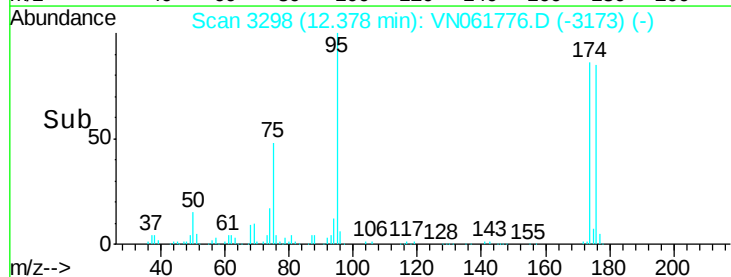
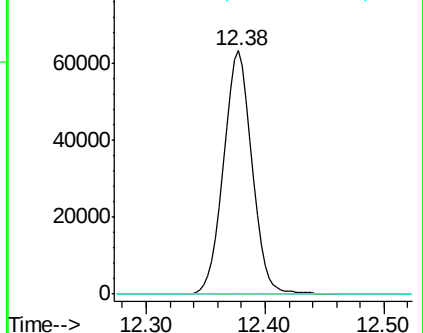
89 0.0 37.1 55.7#

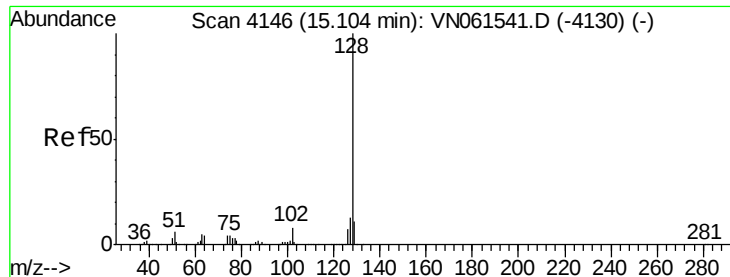


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#95

Naphthalene

Concen: 0.64 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN061776.D

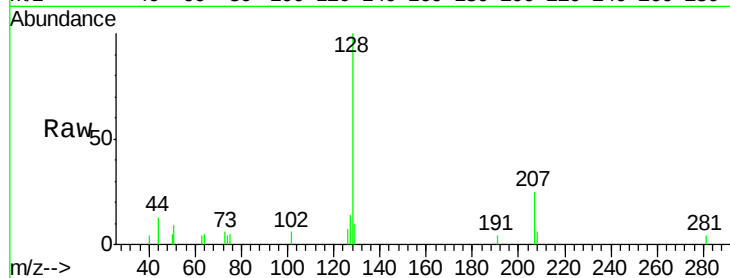
Acq: 12 Jun 2020 8:01

Instrument :

MSVOA_N

ClientSampleId :

CL-02-060920



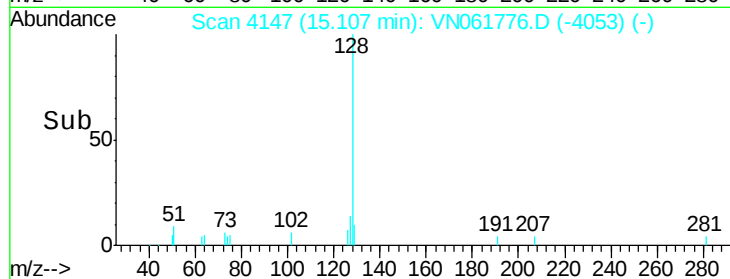
Tgt Ion:128 Resp: 8466

Ion Ratio Lower Upper

128 100

127 13.1 10.0 15.0

129 9.4 8.5 12.7



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

