

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080620\
 Data File : VN062772.D
 Acq On : 6 Aug 2020 17:31
 Operator : JC/MD
 Sample : L3553-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 JB-1A

Quant Time: Aug 07 03:10:00 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	132341	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	242048	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	247652	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	89275	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	112336	51.33	ug/l	0.00
Spiked Amount			Recovery	=	102.66%	
35) Dibromofluoromethane	7.55	113	78560	47.45	ug/l	0.00
Spiked Amount			Recovery	=	94.90%	
50) Toluene-d8	10.06	98	315545	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	
62) 4-Bromofluorobenzene	12.38	95	114253	46.77	ug/l	0.00
Spiked Amount			Recovery	=	93.54%	

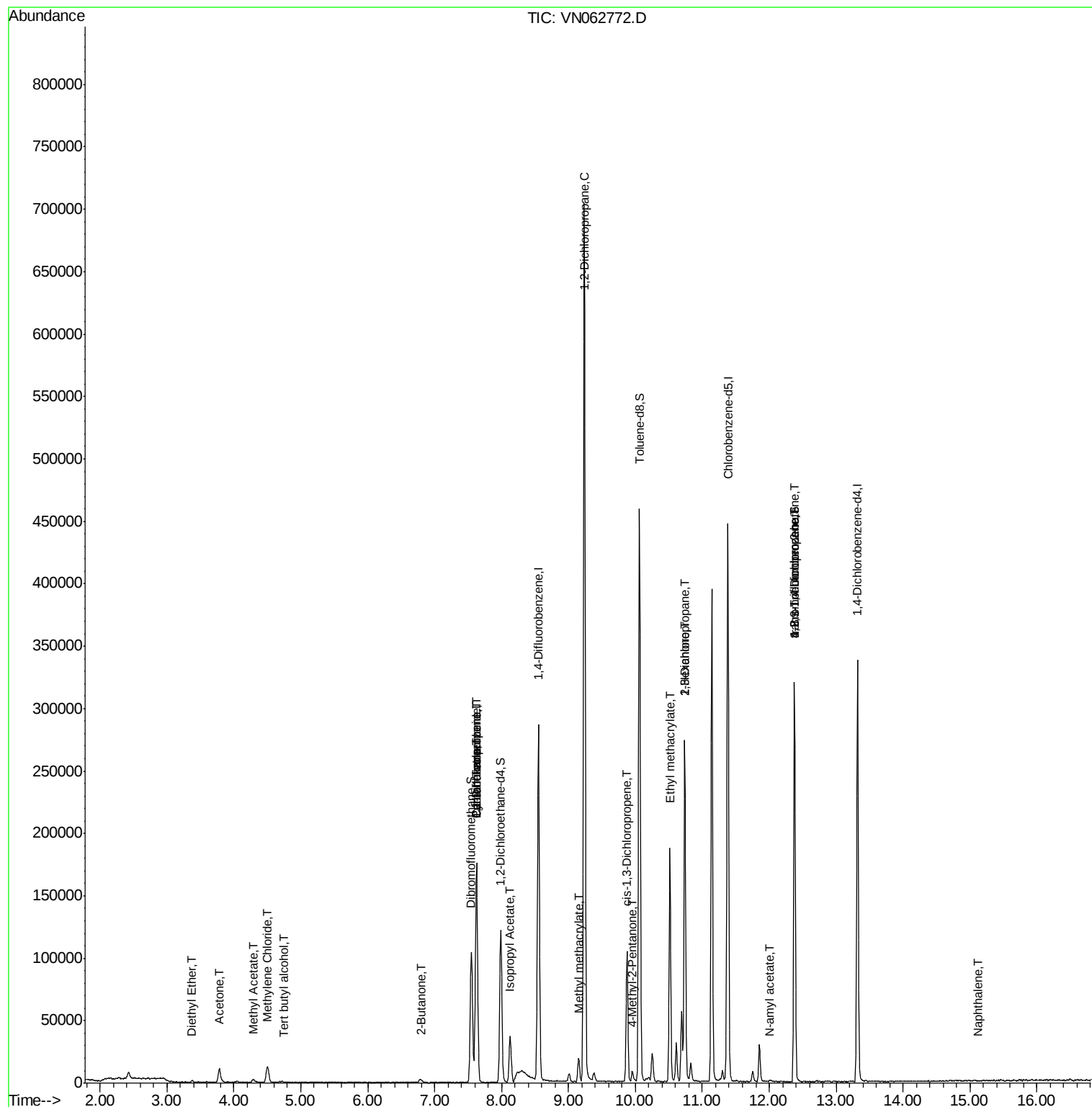
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.37	74	235	0.274	ug/l #	1
11) Tert butyl alcohol	4.74	59	150	0.418	ug/l #	72
16) Acetone	3.78	43	18763	23.727	ug/l	98
17) Carbon Disulfide	4.00	76	185	Below Cal	#	74
18) Methyl Acetate	4.28	43	5634	1.926	ug/l #	79
20) Methylene Chloride	4.50	84	9077	5.597	ug/l	96
25) 2-Butanone	6.81	43	2577	2.301	ug/l	97
31) Cyclohexane	7.62	56	1539	0.580	ug/l #	17
36) 1,1-Dichloropropene	7.62	75	11649	4.943	ug/l #	53
38) Carbon Tetrachloride	7.63	117	14596	5.236	ug/l #	15
43) Isopropyl Acetate	8.13	43	44453	10.825	ug/l	99
45) 1,2-Dichloropropane	9.24	63	945	0.496	ug/l #	45
48) Methyl methacrylate	9.14	41	2718	1.346	ug/l #	13
51) 4-Methyl-2-Pentanone	9.95	43	5799	2.183	ug/l	95
54) cis-1,3-Dichloropropene	9.88	75	18085	5.846	ug/l #	61
56) Ethyl methacrylate	10.51	69	1065	0.382	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	2882	0.915	ug/l #	43
59) 2-Hexanone	10.74	43	40265	20.316	ug/l #	52
74) N-amyl acetate	12.00	43	668	0.245	ug/l #	49
76) 1,2,3-Trichloropropane	12.38	75	60633	25.184	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	60633	76.878	ug/l #	10
95) Naphthalene	15.11	128	102	3.731	ug/l #	68

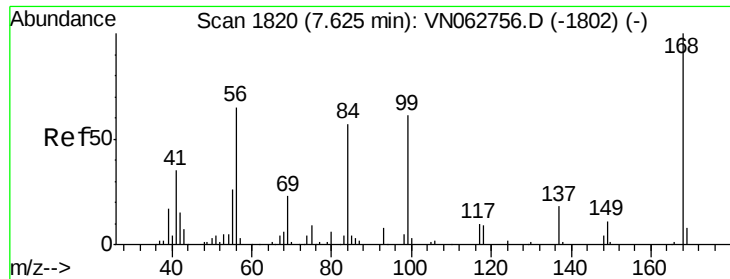
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN080620\
Data File : VN062772.D
Acq On : 6 Aug 2020 17:31
Operator : JC/MD
Sample : L3553-04
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
JB-1A

Quant Time: Aug 07 03:10:00 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
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: VN062772.D

Acq: 6 Aug 2020 17:31

Instrument :

MSVOA_N

ClientSampled :

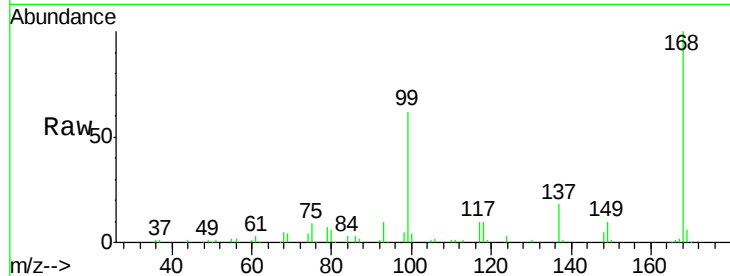
JB-1A

Tot Ion:168 Resp: 132341

Ion Ratio Lower Upper

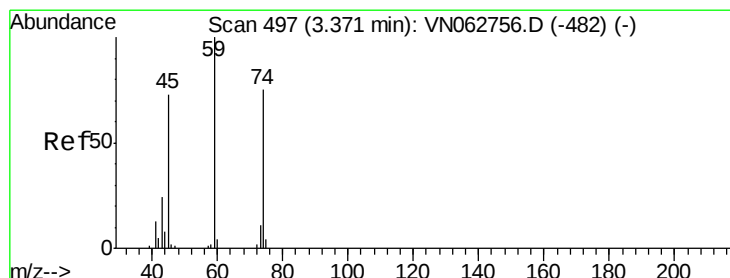
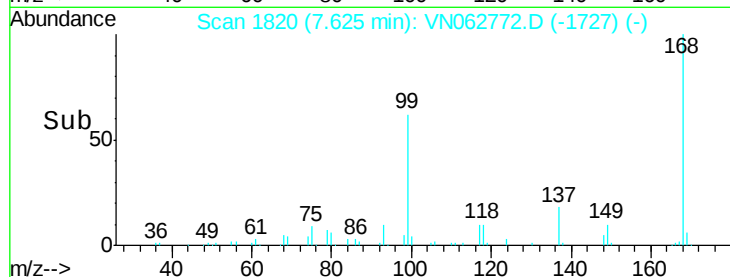
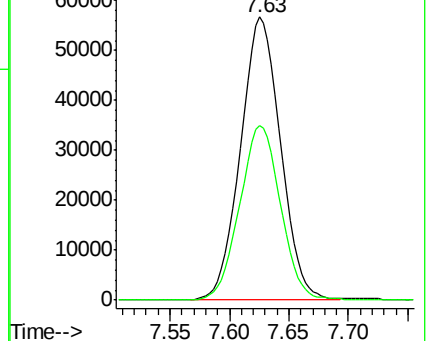
168 100

99 61.6 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#8

Diethyl Ether

Concen: 0.274 ug/l

RT: 3.37 min Scan# 497

Delta R.T. 0.00 min

Lab File: VN062772.D

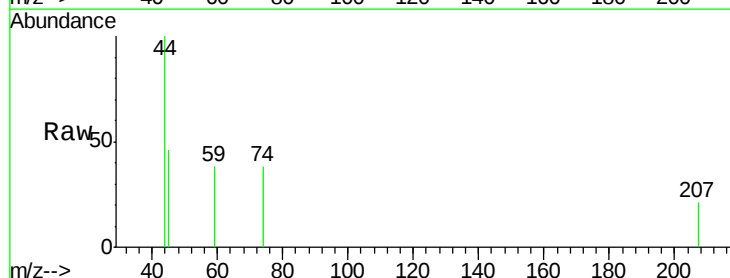
Acq: 6 Aug 2020 17:31

Tgt Ion: 74 Resp: 235

Ion Ratio Lower Upper

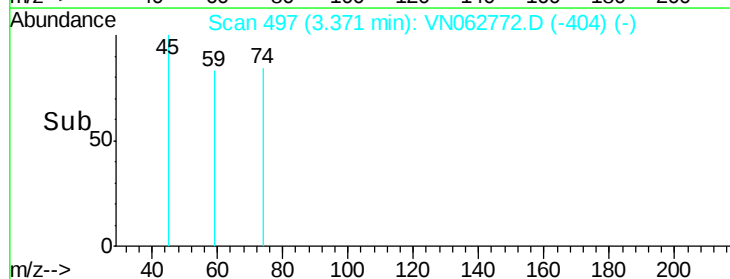
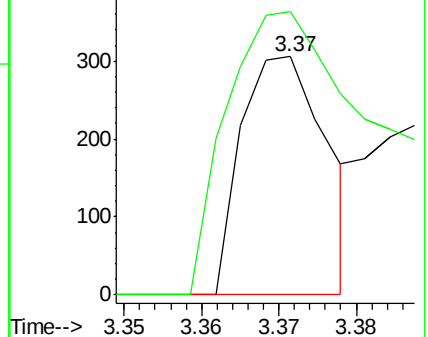
74 100

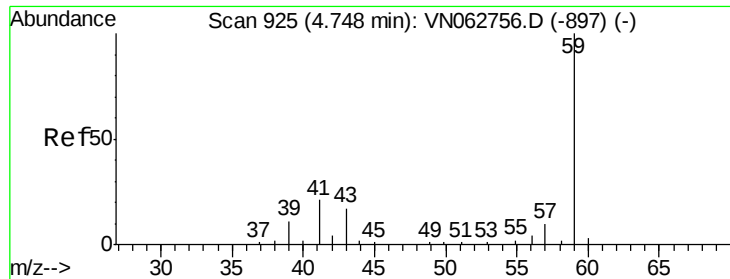
45 212.8 48.7 146.1#



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

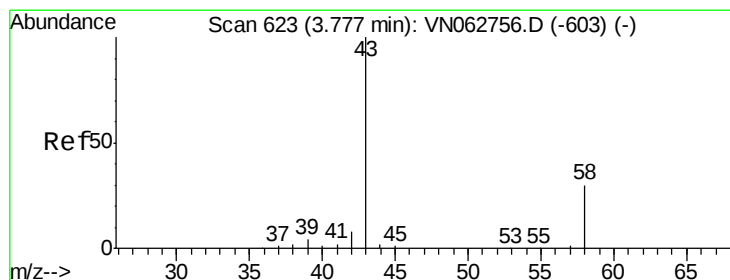
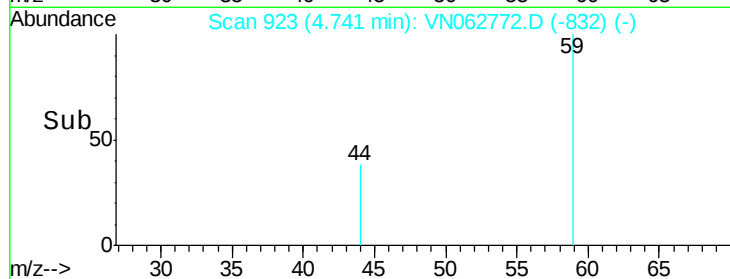
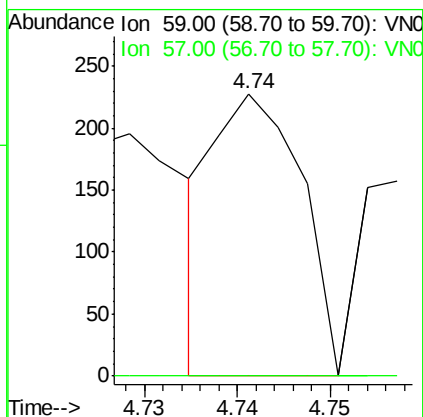
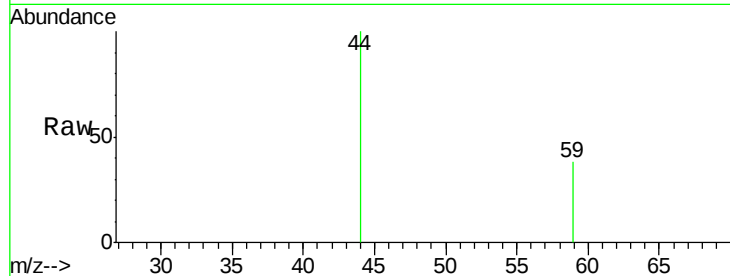




#11
Tert butyl alcohol
Concen: 0.418 ug/l
RT: 4.74 min Scan# 923
Delta R.T. -0.01 min
Lab File: VN062772.D
Acq: 6 Aug 2020 17:31

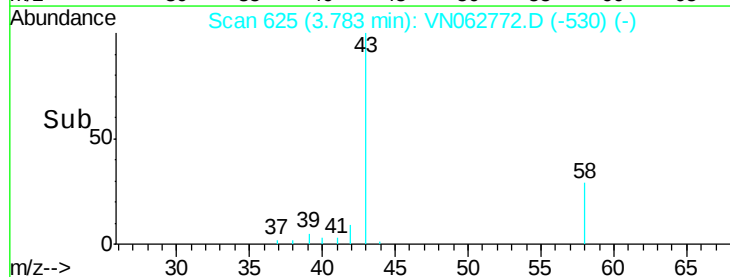
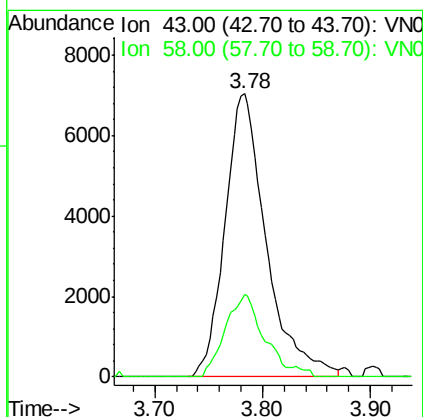
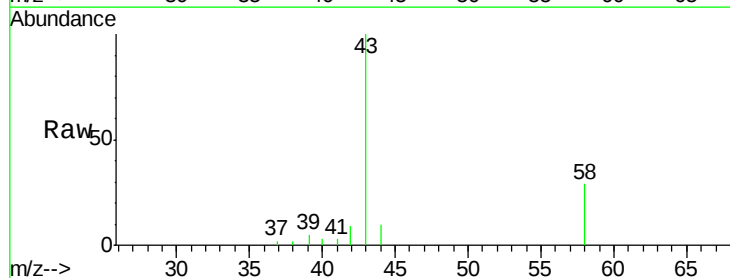
Instrument :
MSVOA_N
ClientSampleId :
JB-1A

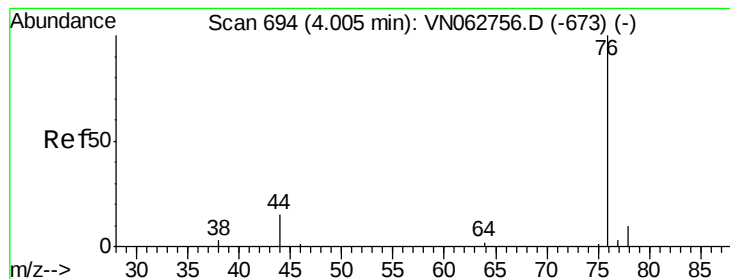
Tot Ion: 59 Resp: 150
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 23.727 ug/l
RT: 3.78 min Scan# 625
Delta R.T. 0.01 min
Lab File: VN062772.D
Acq: 6 Aug 2020 17:31

Tgt Ion: 43 Resp: 18763
Ion Ratio Lower Upper
43 100
58 29.3 24.1 36.1





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.00 min Scan# 691

Delta R.T. -0.01 min

Lab File: VN062772.D

Acq: 6 Aug 2020 17:31

Instrument :

MSVOA_N

ClientSampled :

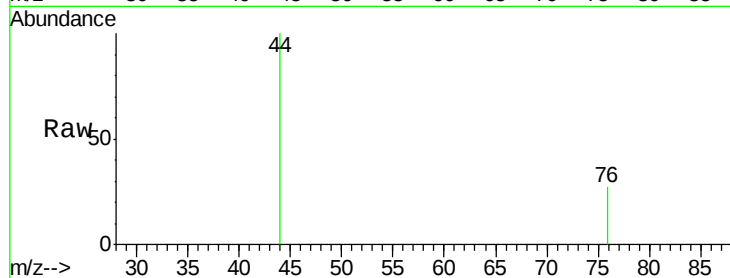
JB-1A

Tot Ion: 76 Resp: 185

Ion Ratio Lower Upper

76 100

78 0.0 7.7 11.5#

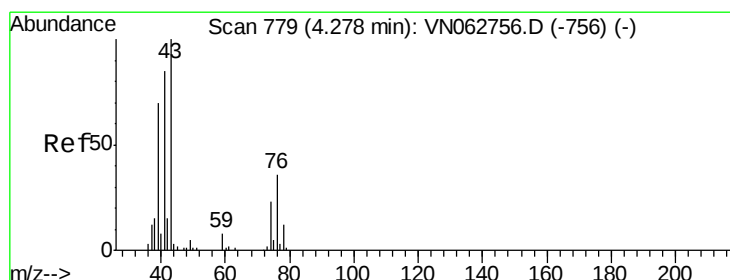
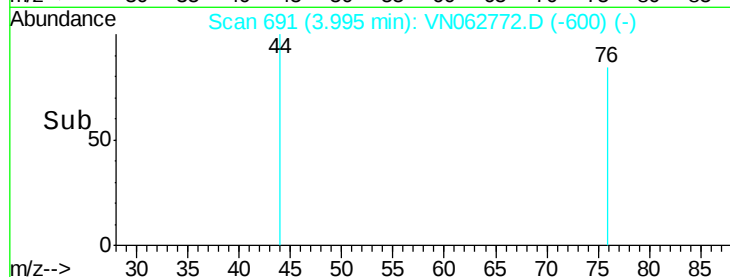


Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.00

Time-->



#18

Methyl Acetate

Concen: 1.926 ug/l

RT: 4.28 min Scan# 781

Delta R.T. 0.01 min

Lab File: VN062772.D

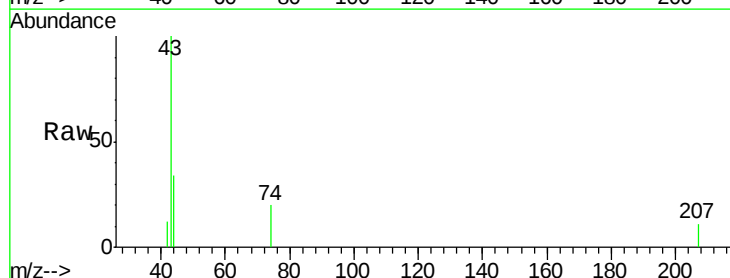
Acq: 6 Aug 2020 17:31

Tgt Ion: 43 Resp: 5634

Ion Ratio Lower Upper

43 100

74 13.0 18.6 28.0#

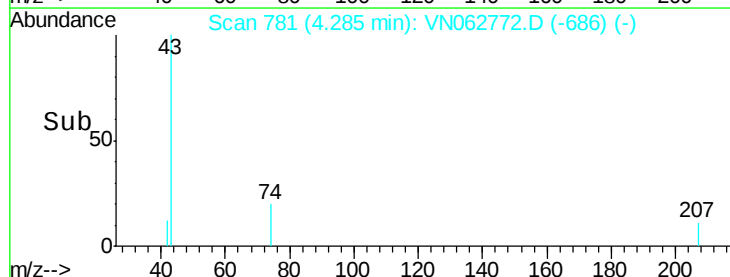


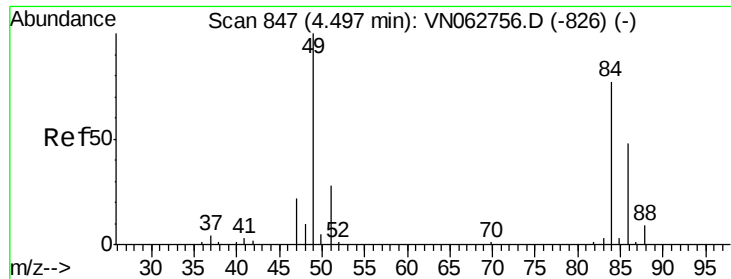
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.28

Time-->

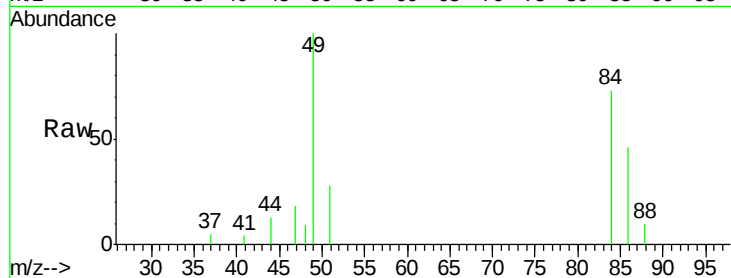




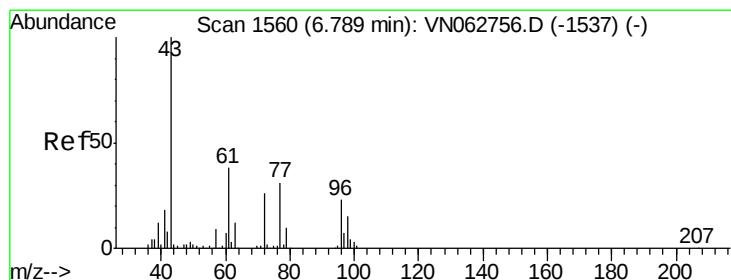
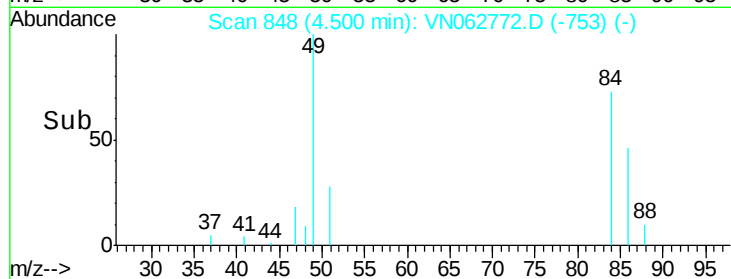
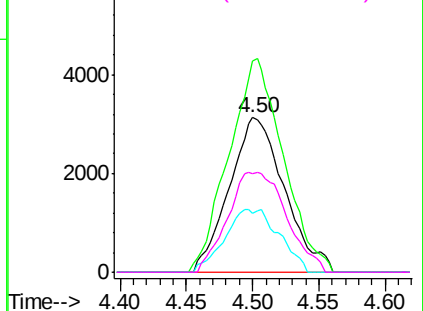
#20
Methvlene Chloride
Concen: 5.597 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN062772.D
Acq: 6 Aug 2020 17:31

Instrument :
MSVOA_N
ClientSampleId :
JB-1A

Tot Ion:	84	Resp:	9077
Ion	Ratio	Lower	Upper
84	100		
49	136.1	103.4	155.2
51	38.2	29.3	43.9
86	63.3	49.9	74.9

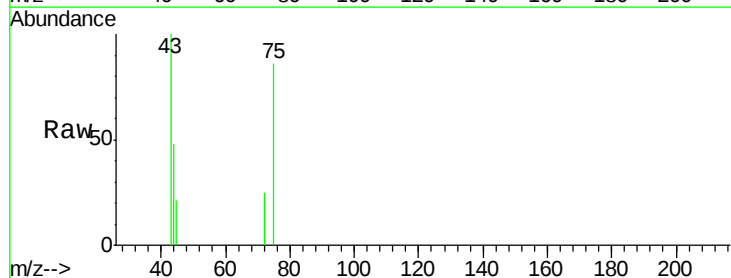


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

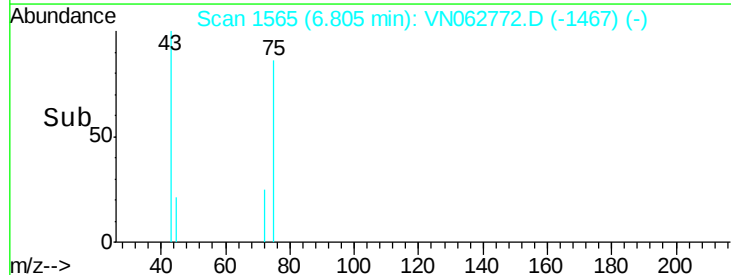
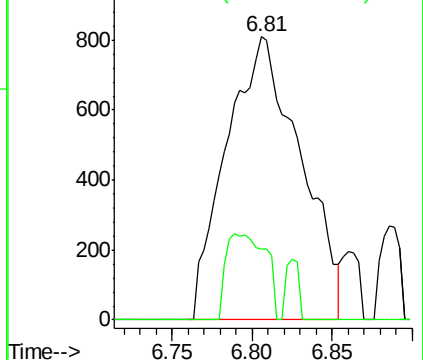


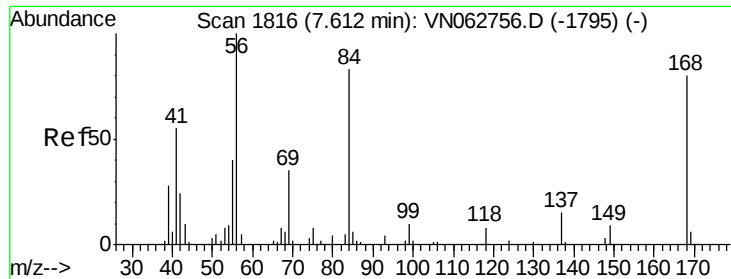
#25
2-Butanone
Concen: 2.301 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.02 min
Lab File: VN062772.D
Acq: 6 Aug 2020 17:31

Tgt Ion:	43	Resp:	2577
Ion	Ratio	Lower	Upper
43	100		
72	25.0	21.1	31.7



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0

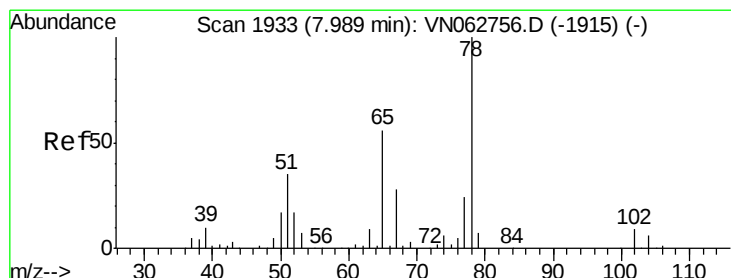
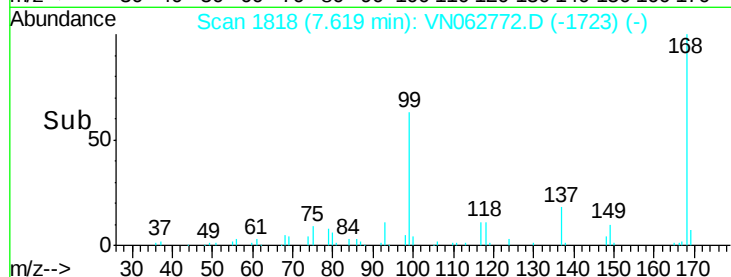
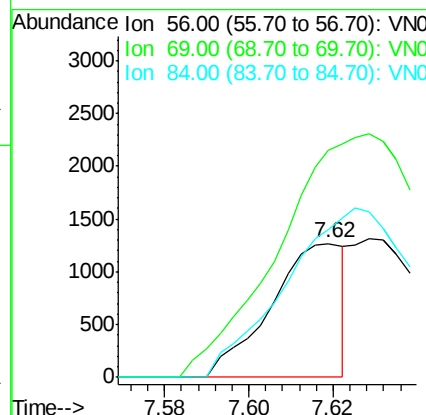
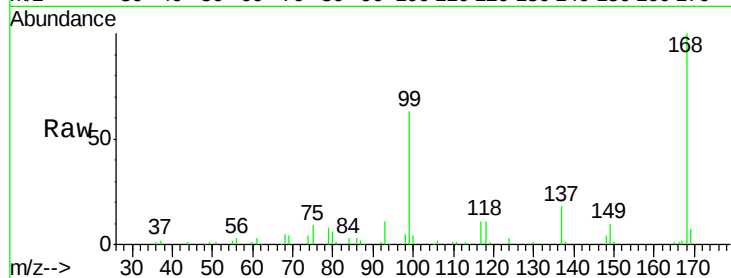




#31
Cyclohexane
Concen: 0.580 ug/l
RT: 7.62 min Scan# 1816
Delta R.T. 0.01 min
Lab File: VN062772.D
Acq: 6 Aug 2020 17:31

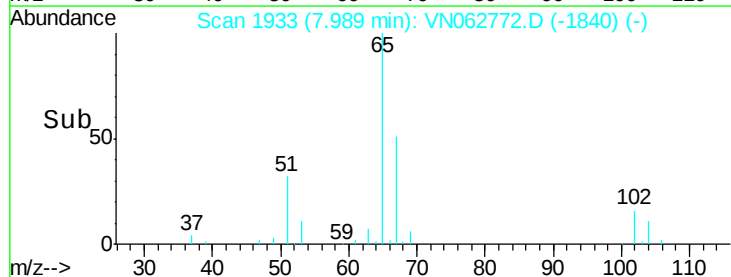
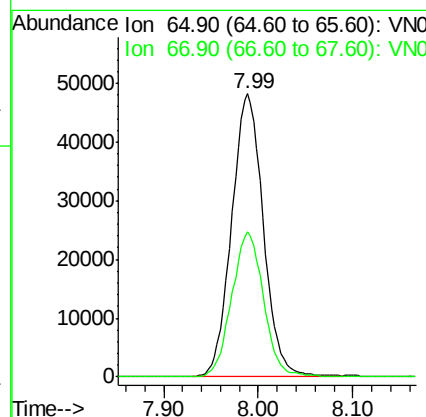
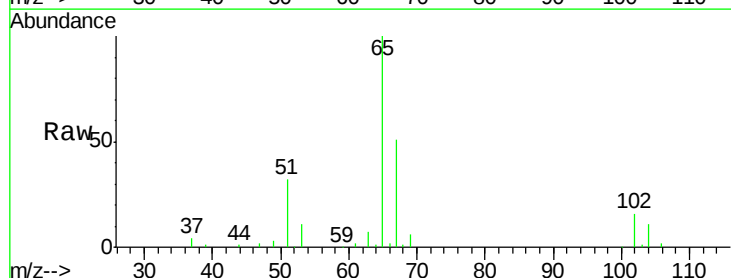
Instrument :
MSVOA_N
ClientSampled :
JB-1A

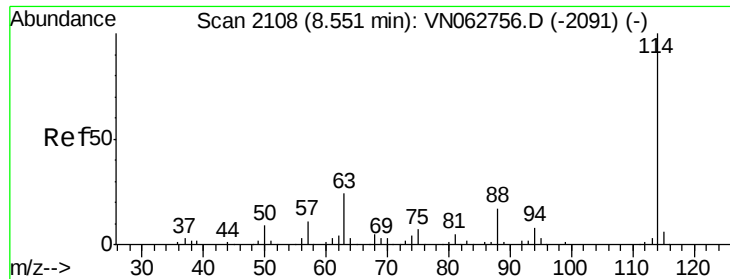
Tot Ion: 56 Resp: 1539
Ion Ratio Lower Upper
56 100
69 156.5 28.1 42.1#
84 110.3 66.8 100.2#



#33
1,2-Dichloroethane-d4
Concen: 51.330 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. 0.00 min
Lab File: VN062772.D
Acq: 6 Aug 2020 17:31

Tgt Ion: 65 Resp: 112336
Ion Ratio Lower Upper
65 100
67 51.2 0.0 101.4

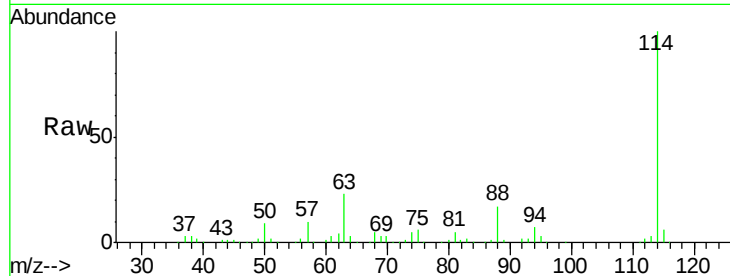




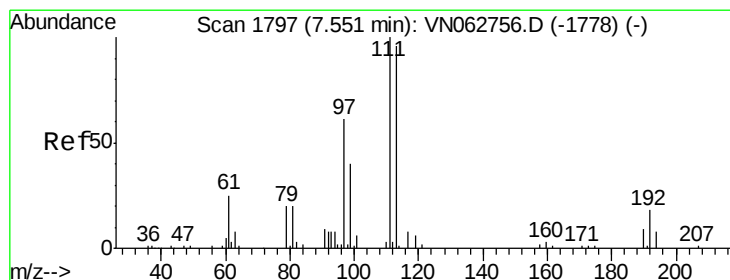
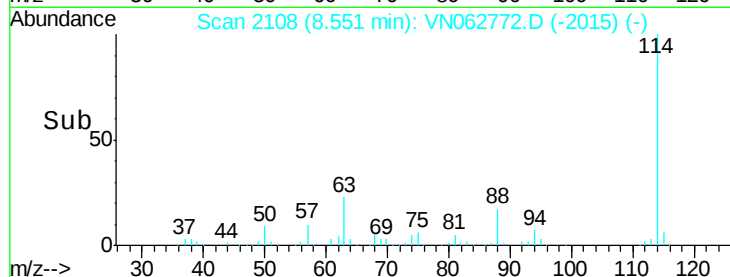
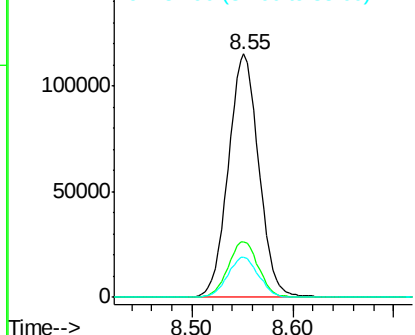
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062772.D
 Acq: 6 Aug 2020 17:31

Instrument :
 MSVOA_N
 ClientSampled :
 JB-1A

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	47.6
88	16.7	0.0	34.4

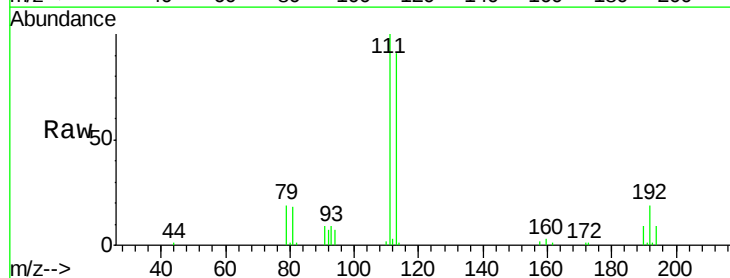


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

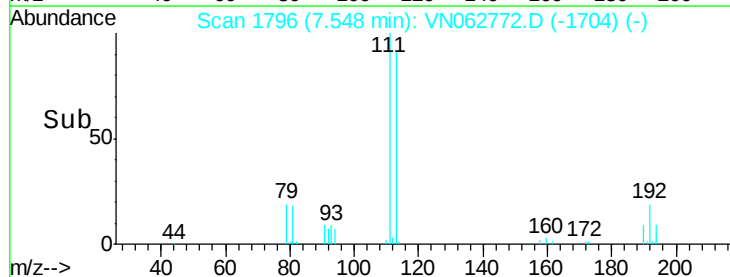
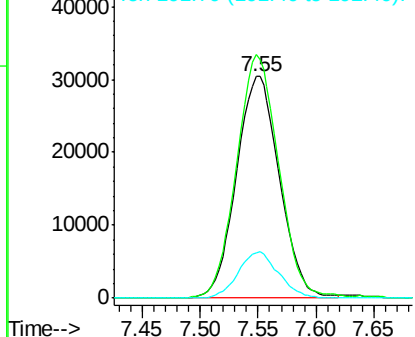


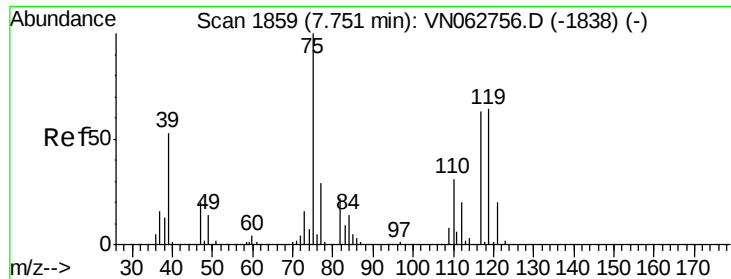
#35
 Dibromofluoromethane
 Concen: 47.447 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062772.D
 Acq: 6 Aug 2020 17:31

Tgt Ion	Ratio	Lower	Upper
113	100		
111	107.6	81.8	122.6
192	19.5	15.0	22.4



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

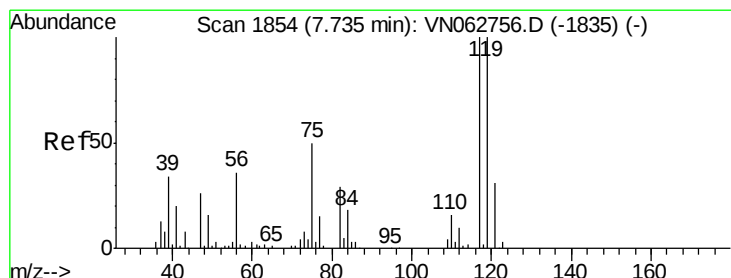
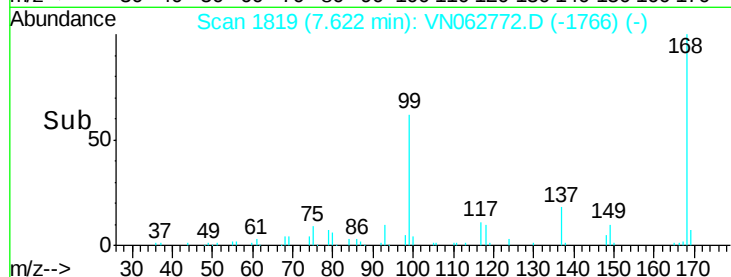
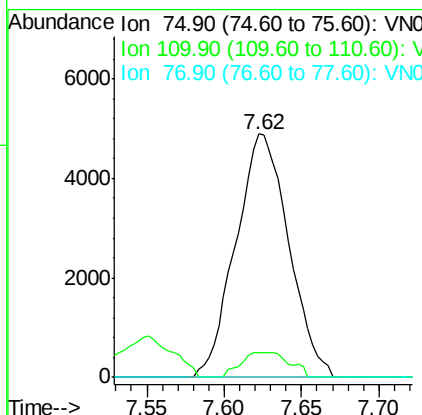
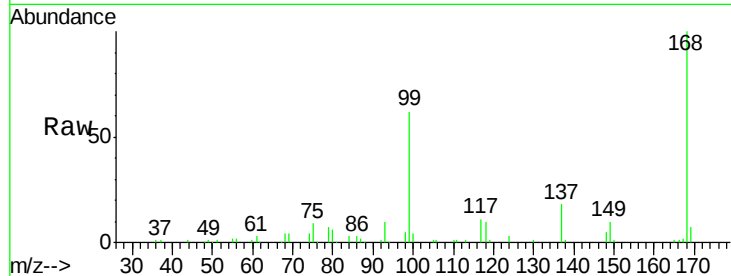




#36
 1,1-Dichloropropene
 Concen: 4.943 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN062772.D
 Acq: 6 Aug 2020 17:31

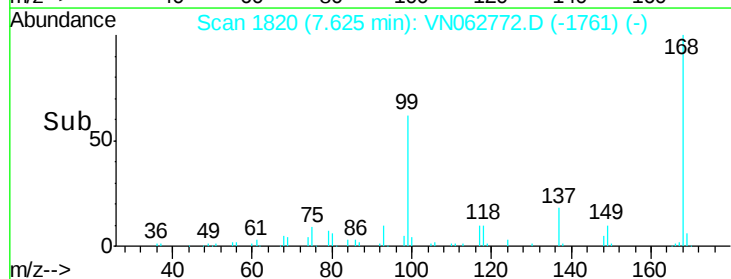
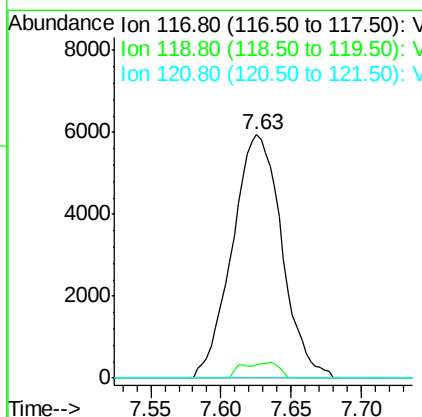
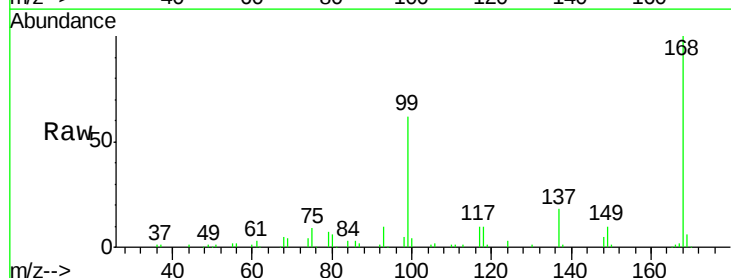
Instrument :
 MSVOA_N
 ClientSampleId :
 JB-1A

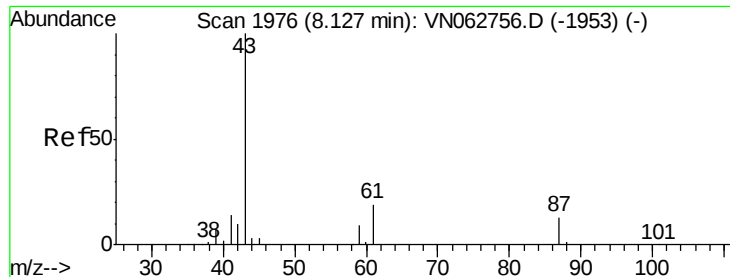
Tot Ion: 75 Resp: 11649
 Ion Ratio Lower Upper
 75 100
 110 9.4 15.6 46.7#
 77 0.0 24.1 36.1#



#38
 Carbon Tetrachloride
 Concen: 5.236 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN062772.D
 Acq: 6 Aug 2020 17:31

Tgt Ion: 117 Resp: 14596
 Ion Ratio Lower Upper
 117 100
 119 5.2 79.4 119.2#
 121 0.0 24.9 37.3#



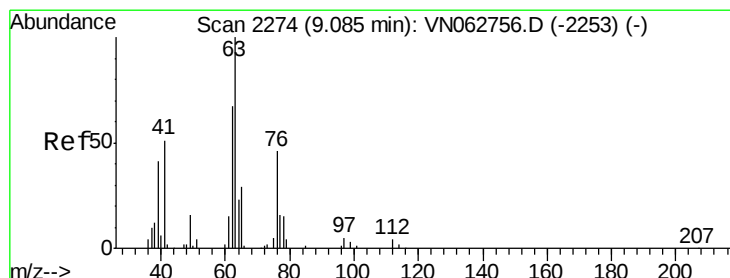
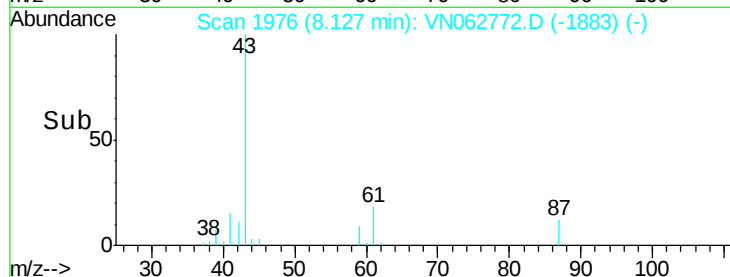
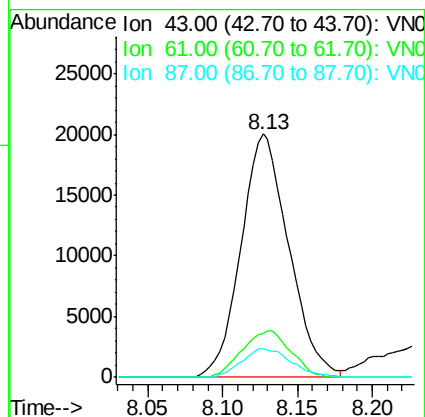
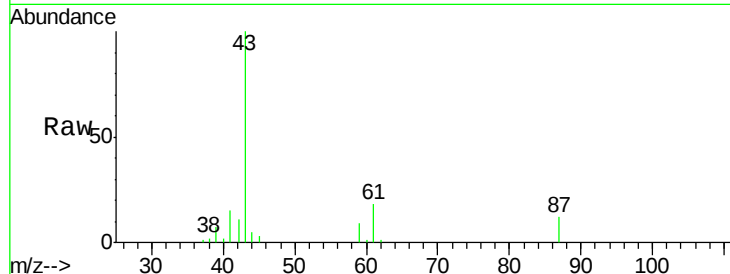


#43

Isopropyl Acetate
 Concen: 10.825 ug/l
 RT: 8.13 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VN062772.D
 Acq: 6 Aug 2020 17:31

Instrument :
 MSVOA_N
 ClientSampled :
 JB-1A

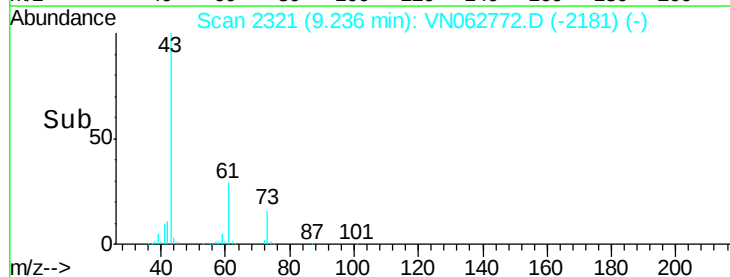
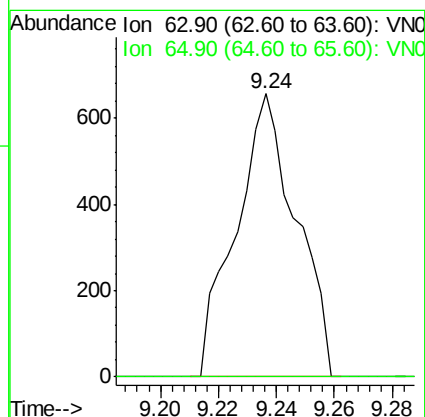
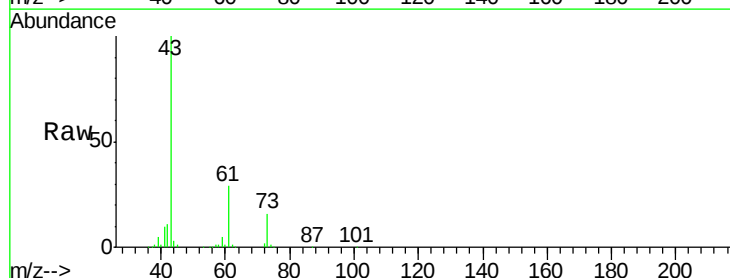
Tot Ion	43	Resp	44453
Ion Ratio	Lower	Upper	
43	100		
61	19.5	15.8	23.6
87	12.1	9.9	14.9

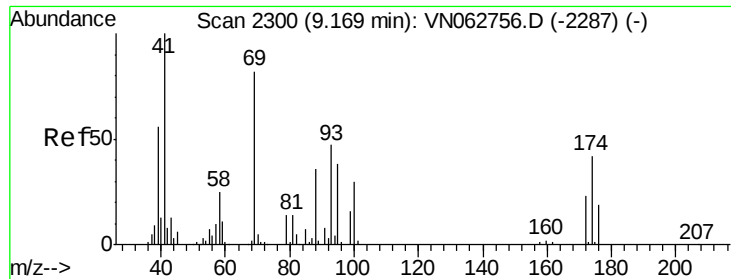


#45

1,2-Dichloropropane
 Concen: 0.496 ug/l
 RT: 9.24 min Scan# 2321
 Delta R.T. 0.15 min
 Lab File: VN062772.D
 Acq: 6 Aug 2020 17:31

Tgt Ion	63	Resp	945
Ion Ratio	Lower	Upper	
63	100		
65	0.0	23.5	35.3#

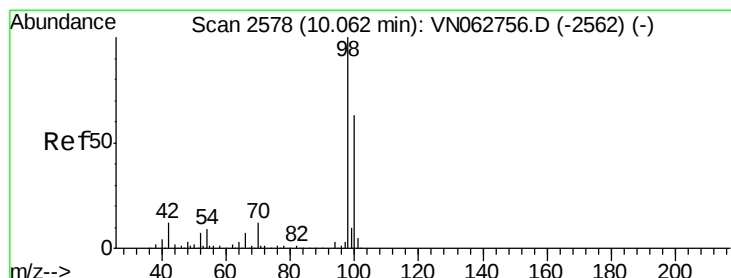
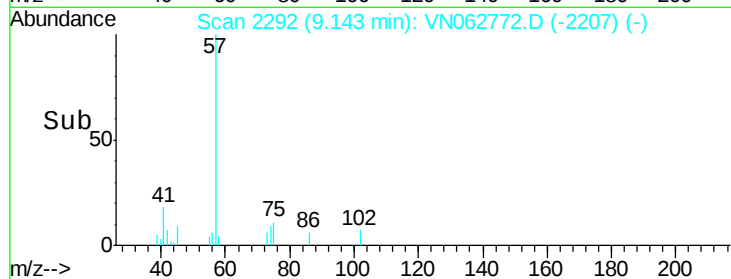
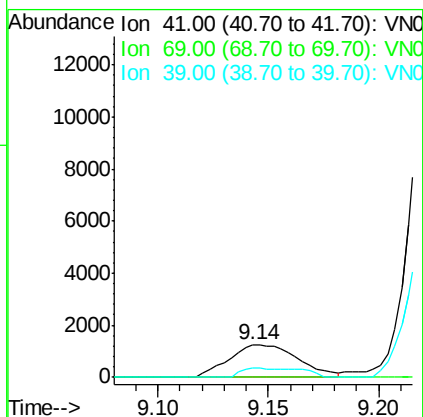
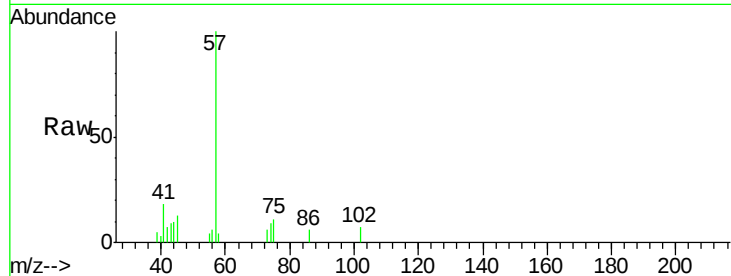




#48
Methvl methacrylate
Concen: 1.346 ug/l
RT: 9.14 min Scan# 2292
Delta R.T. -0.03 min
Lab File: VN062772.D
Acq: 6 Aug 2020 17:31

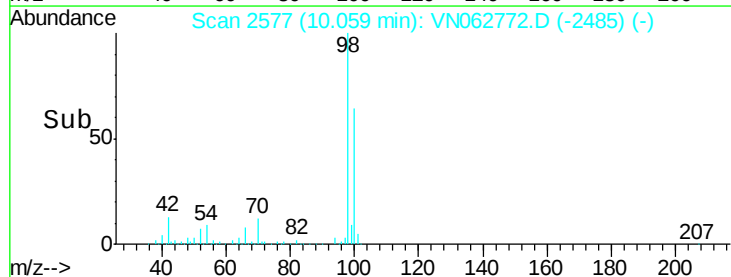
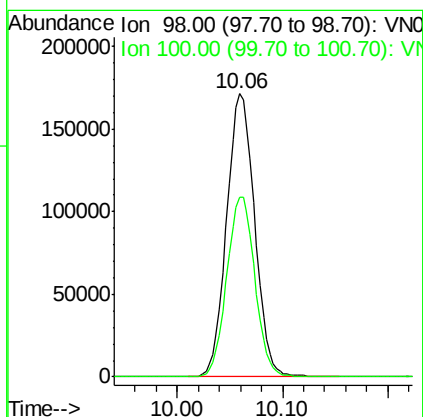
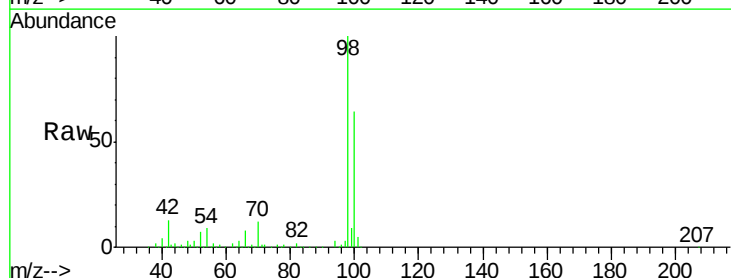
Instrument :
MSVOA_N
ClientSampleId :
JB-1A

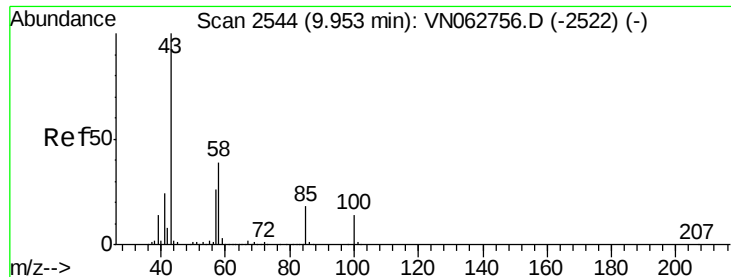
Tot Ion: 41 Resp: 2718
Ion Ratio Lower Upper
41 100
69 0.0 67.4 101.2#
39 0.0 47.6 71.4#



#50
Toluene-d8
Concen: 48.815 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062772.D
Acq: 6 Aug 2020 17:31

Tgt Ion: 98 Resp: 315545
Ion Ratio Lower Upper
98 100
100 63.8 50.9 76.3

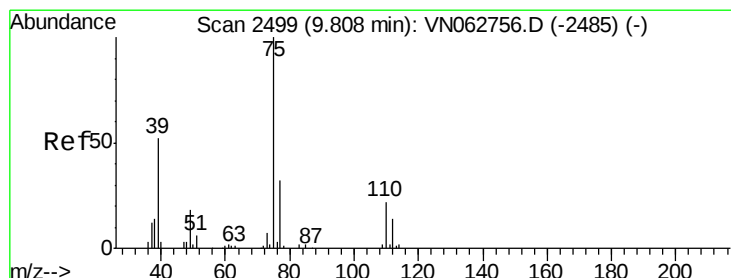
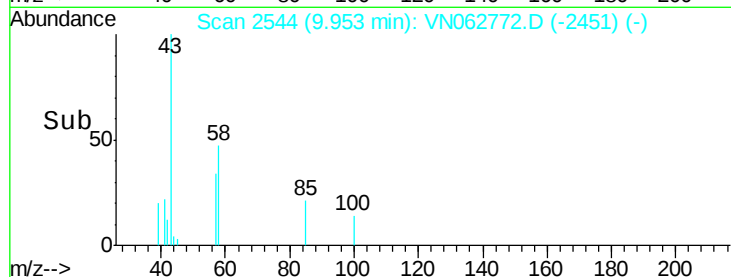
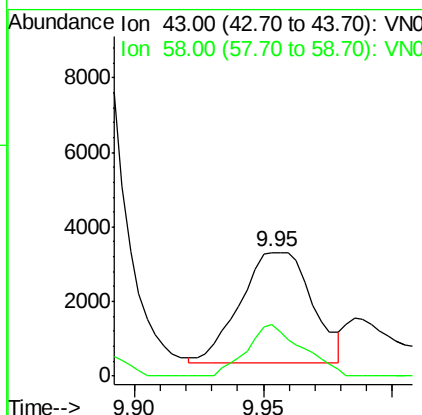
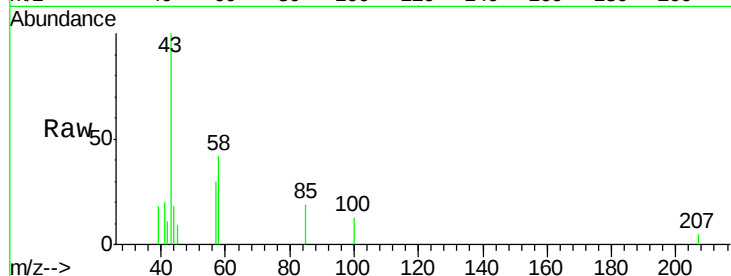




#51
 4-Methyl-2-Pentanone
 Concen: 2.183 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. 0.00 min
 Lab File: VN062772.D
 Acq: 6 Aug 2020 17:31

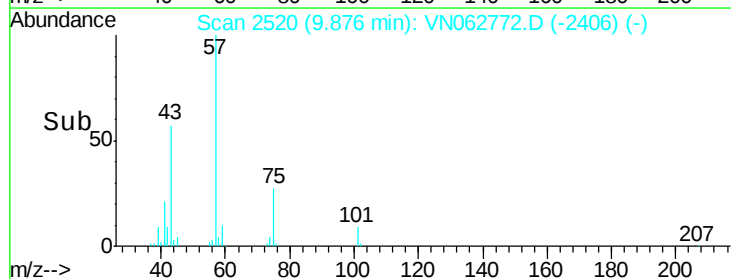
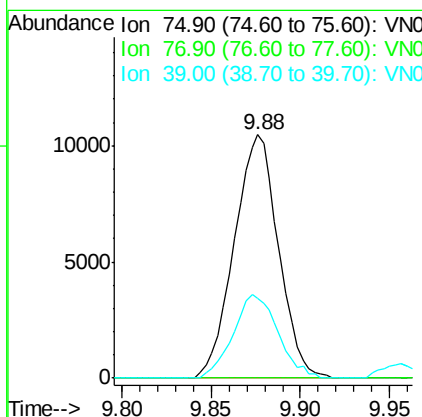
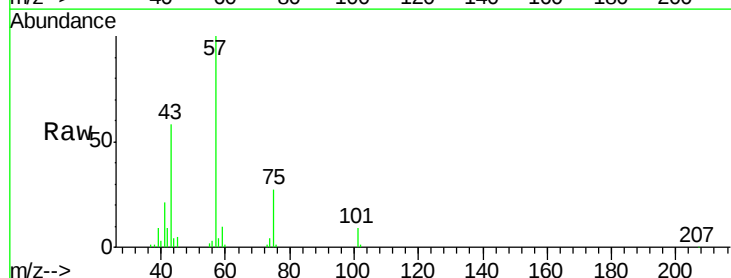
Instrument :
 MSVOA_N
 ClientSampled :
 JB-1A

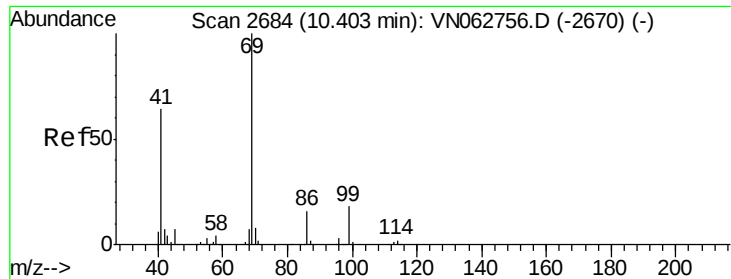
Tot Ion: 43 Resp: 5799
 Ion Ratio Lower Upper
 43 100
 58 35.7 31.1 46.7



#54
 cis-1,3-Dichloropropene
 Concen: 5.846 ug/l
 RT: 9.88 min Scan# 2520
 Delta R.T. 0.07 min
 Lab File: VN062772.D
 Acq: 6 Aug 2020 17:31

Tgt Ion: 75 Resp: 18085
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#
 39 32.9 41.9 62.9#





#56

Ethyl methacrylate

Concen: 0.382 ug/l

RT: 10.51 min Scan# 2718

Delta R.T. 0.11 min

Lab File: VN062772.D

Acq: 6 Aug 2020 17:31

Instrument :

MSVOA_N

ClientSampled :

JB-1A

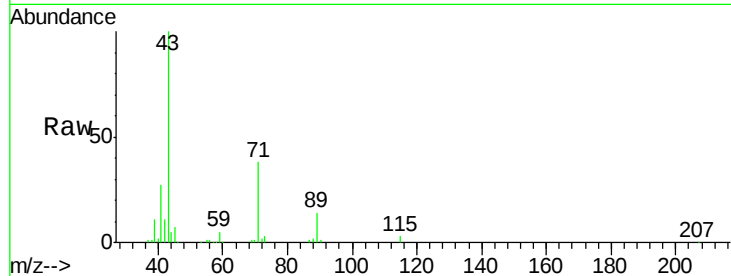
Tot Ion: 69 Resp: 1065

Ion Ratio Lower Upper

69 100

41 3394.0 52.2 78.2#

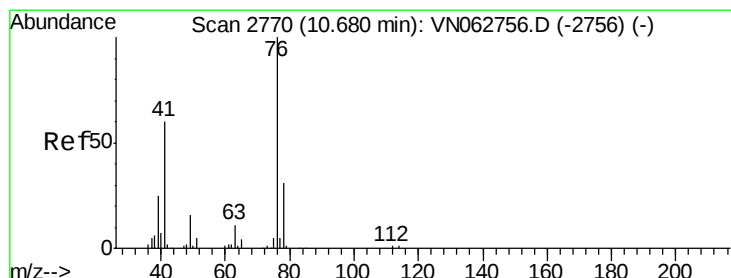
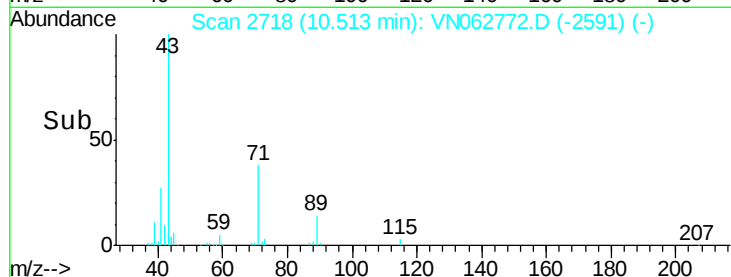
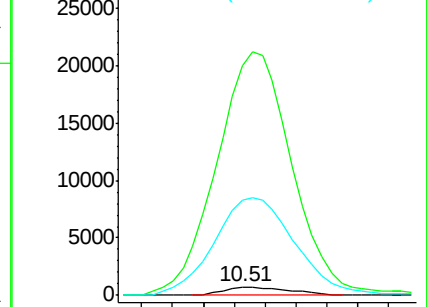
39 1457.4 30.9 46.3#



Abundance Ion 69.00 (68.70 to 69.70): VN062772.D (-2591) (-)

Ion 41.00 (40.70 to 41.70): VN062772.D (-2591) (-)

Ion 39.00 (38.70 to 39.70): VN062772.D (-2591) (-)



#57

1,3-Dichloropropane

Concen: 0.915 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.06 min

Lab File: VN062772.D

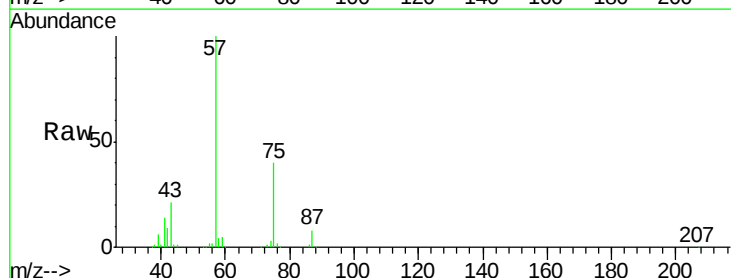
Acq: 6 Aug 2020 17:31

Tgt Ion: 76 Resp: 2882

Ion Ratio Lower Upper

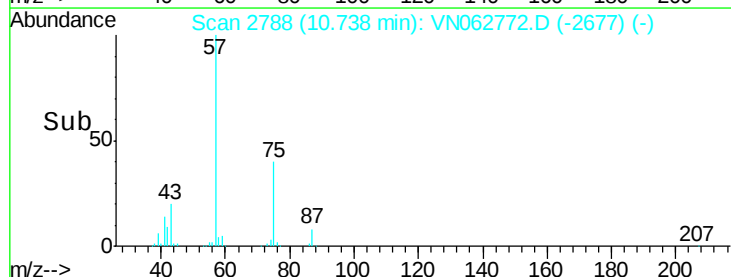
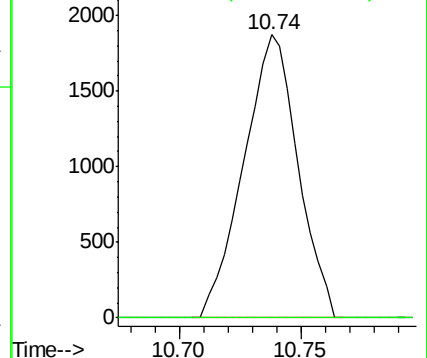
76 100

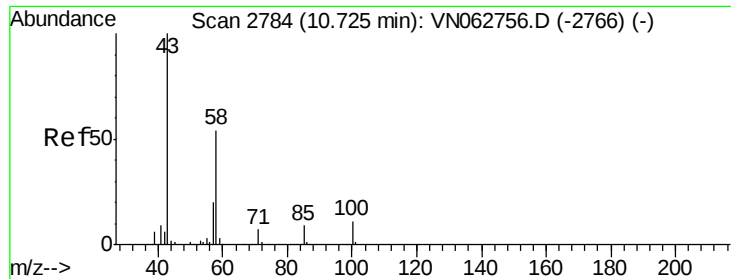
78 0.0 25.4 38.0#



Abundance Ion 75.90 (75.60 to 76.60): VN062772.D (-2677) (-)

Ion 77.90 (77.60 to 78.60): VN062772.D (-2677) (-)

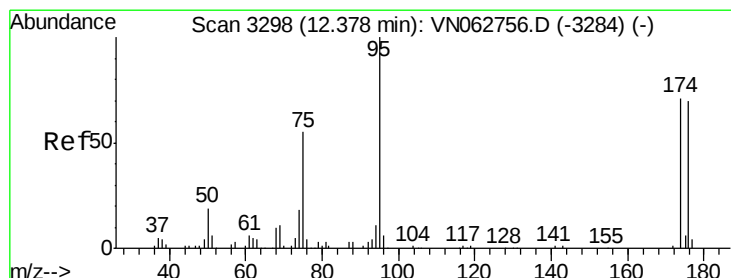
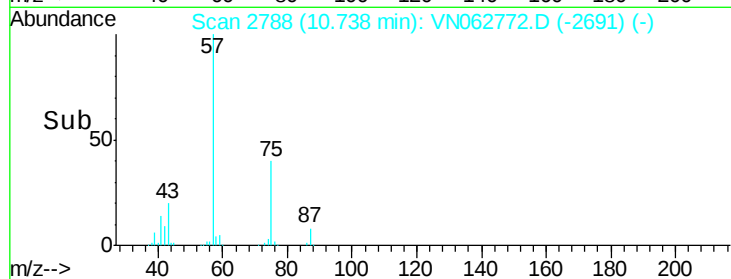
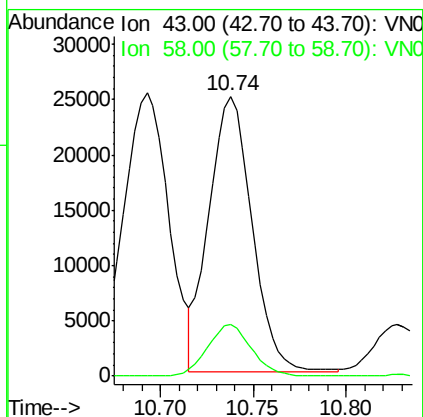
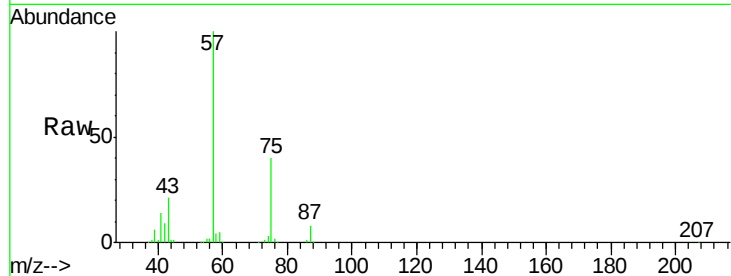




#59
2-Hexanone
Concen: 20.316 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.01 min
Lab File: VN062772.D
Acq: 6 Aug 2020 17:31

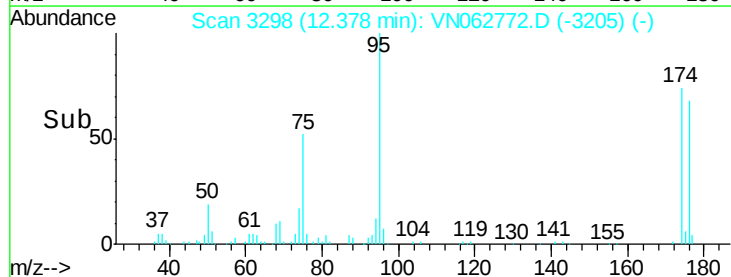
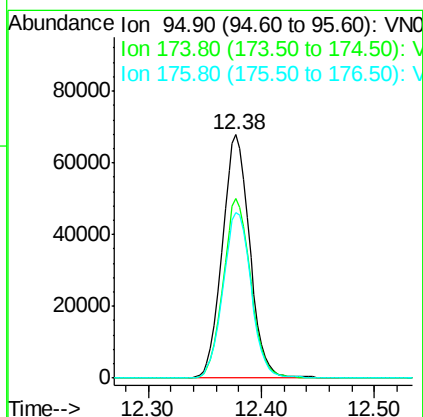
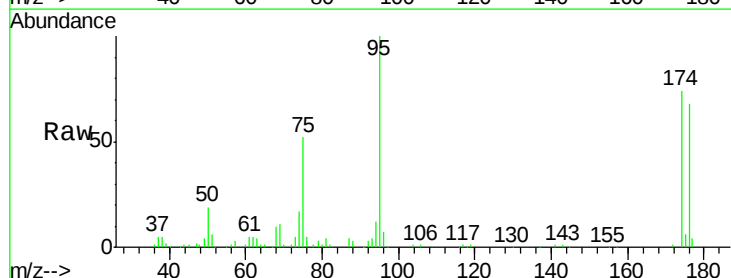
Instrument :
MSVOA_N
ClientSampled :
JB-1A

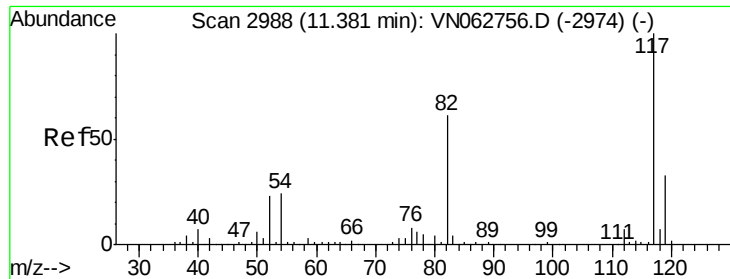
Tot Ion: 43 Resp: 40265
Ion Ratio Lower Upper
43 100
58 19.0 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 46.771 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN062772.D
Acq: 6 Aug 2020 17:31

Tgt Ion: 95 Resp: 114253
Ion Ratio Lower Upper
95 100
174 73.8 0.0 144.8
176 69.9 0.0 142.2

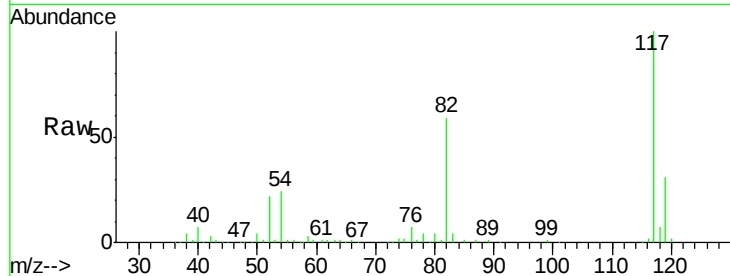




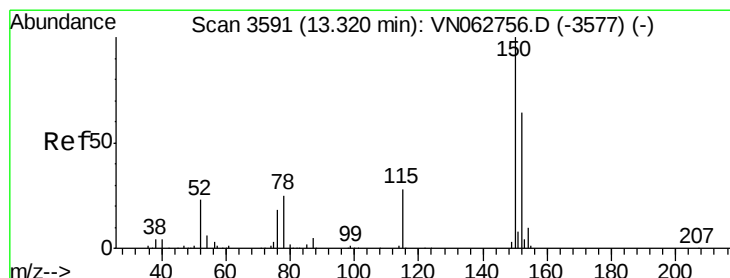
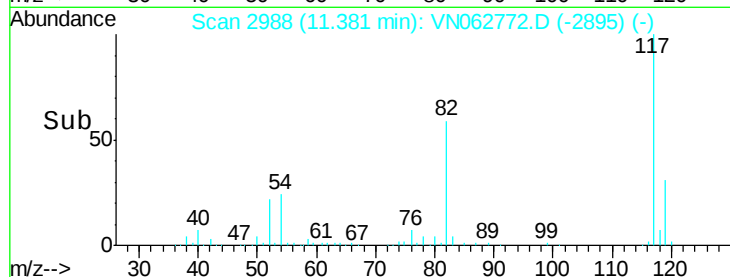
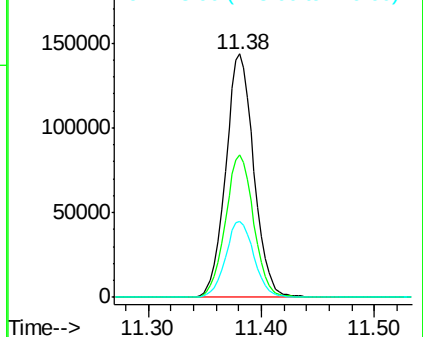
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062772.D
Acq: 6 Aug 2020 17:31

Instrument :
MSVOA_N
ClientSampleId :
JB-1A

Tot Ion:117 Resp: 247652
Ion Ratio Lower Upper
117 100
82 58.6 49.0 73.4
119 31.4 26.2 39.2

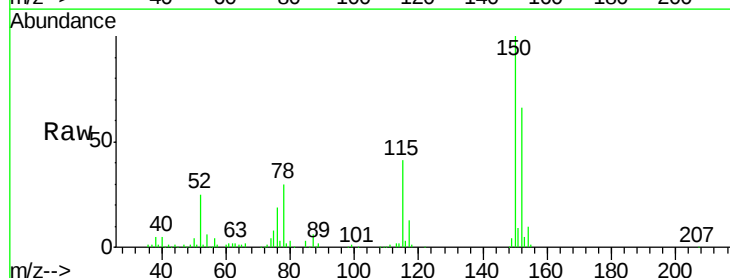


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

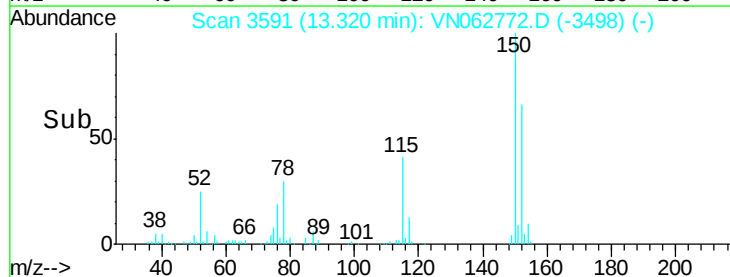
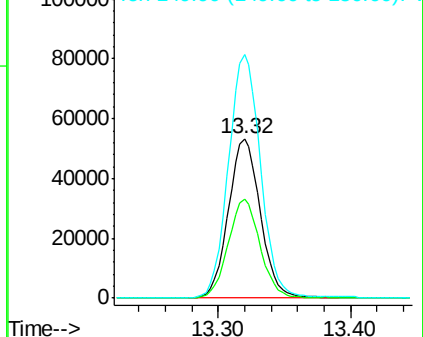


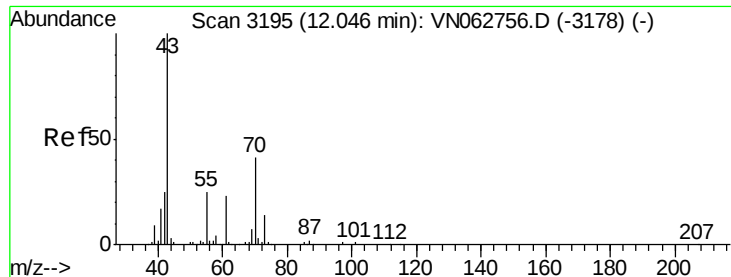
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062772.D
Acq: 6 Aug 2020 17:31

Tgt Ion:152 Resp: 89275
Ion Ratio Lower Upper
152 100
115 61.8 31.6 94.8
150 153.9 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

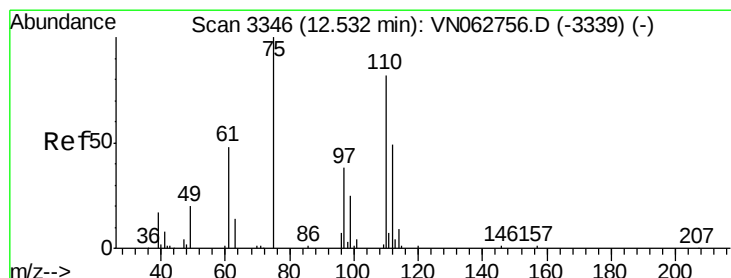
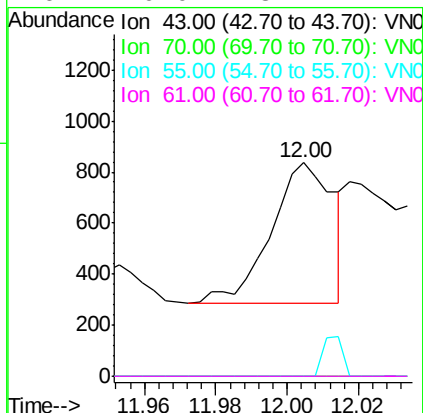
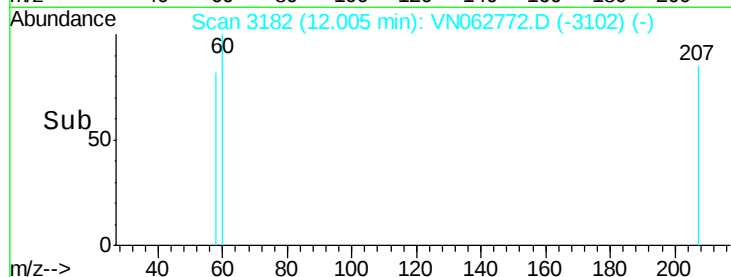
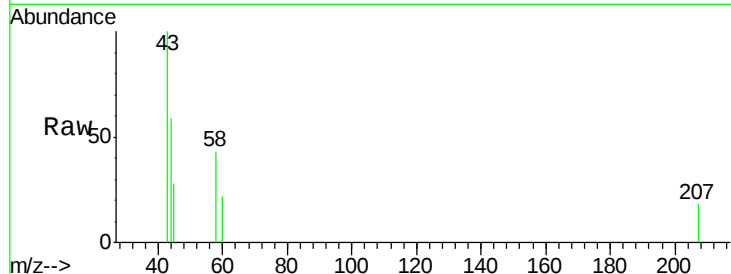




#74
N-amvl acetate
Concen: 0.245 ug/l
RT: 12.00 min Scan# 3182
Delta R.T. -0.04 min
Lab File: VN062772.D
Acq: 6 Aug 2020 17:31

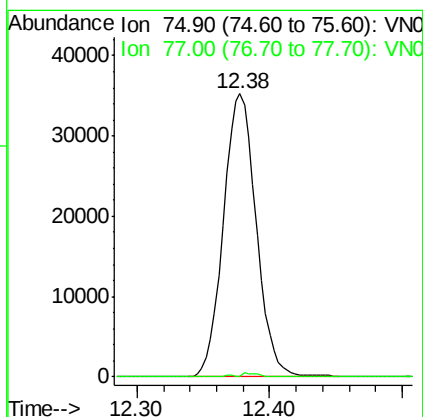
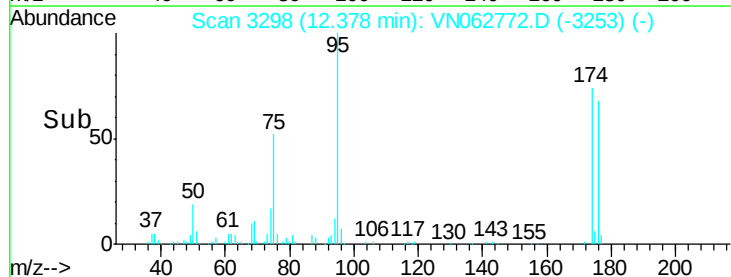
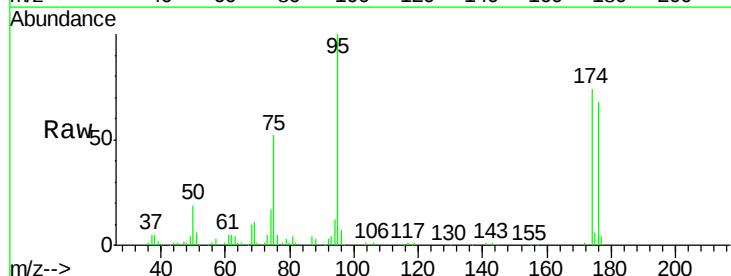
Instrument :
MSVOA_N
ClientSampled :
JB-1A

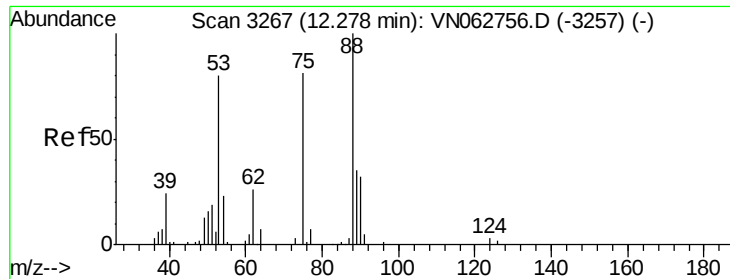
Tot Ion: 43 Resp: 668
Ion Ratio Lower Upper
43 100
70 0.0 32.3 48.5#
55 8.8 20.2 30.2#
61 0.0 18.2 27.4#



#76
1,2,3-Trichloropropane
Concen: 25.184 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.15 min
Lab File: VN062772.D
Acq: 6 Aug 2020 17:31

Tgt Ion: 75 Resp: 60633
Ion Ratio Lower Upper
75 100
77 0.6 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 76.878 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062772.D

Acq: 6 Aug 2020 17:31

Instrument :

MSVOA_N

ClientSampleId :

JB-1A

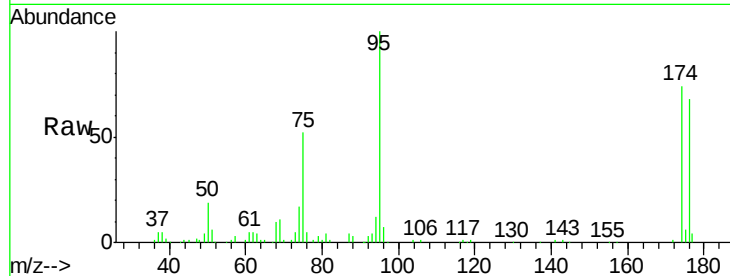
Tot Ion: 75 Resp: 60633

Ion Ratio Lower Upper

75 100

53 0.0 79.1 118.7#

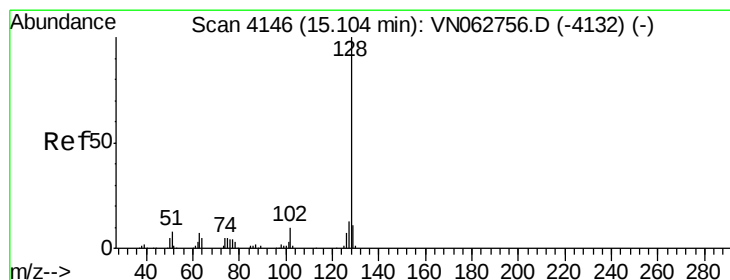
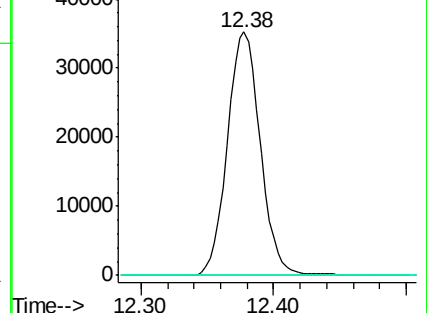
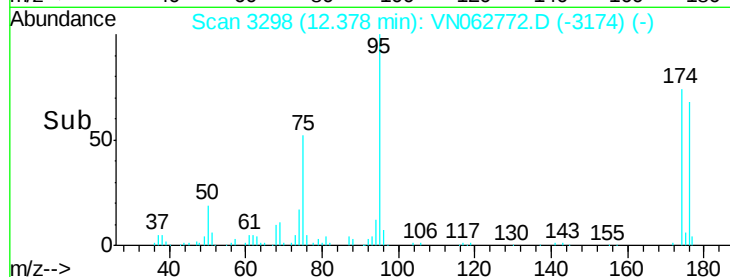
89 0.0 36.2 54.2#



Abundance Ion 74.90 (74.60 to 75.60): VN062772.D (-3174) (-)

Ion 53.00 (52.70 to 53.70): VN062772.D (-3174) (-)

Ion 88.90 (88.60 to 89.60): VN062772.D (-3174) (-)



#95

Naphthalene

Concen: 3.731 ug/l

RT: 15.11 min Scan# 4148

Delta R.T. 0.01 min

Lab File: VN062772.D

Acq: 6 Aug 2020 17:31

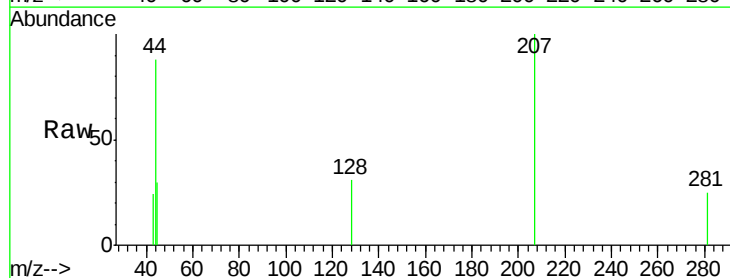
Tgt Ion: 128 Resp: 102

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): VN062772.D (-4053) (-)

Ion 127.00 (126.70 to 127.70): VN062772.D (-4053) (-)

Ion 129.00 (128.70 to 129.70): VN062772.D (-4053) (-)

