

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062920\
 Data File : VN062210.D
 Acq On : 30 Jun 2020 1:22
 Operator : JC/MD
 Sample : PB129816TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129816TB

Quant Time: Jun 30 04:32:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	207215	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	400081	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	406689	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	145891	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	159541	54.86	ug/l	0.00
Spiked Amount			Recovery	=	109.72%	
35) Dibromofluoromethane	7.55	113	128401	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	
50) Toluene-d8	10.06	98	536036	52.25	ug/l	0.00
Spiked Amount			Recovery	=	104.50%	
62) 4-Bromofluorobenzene	12.38	95	172415	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	

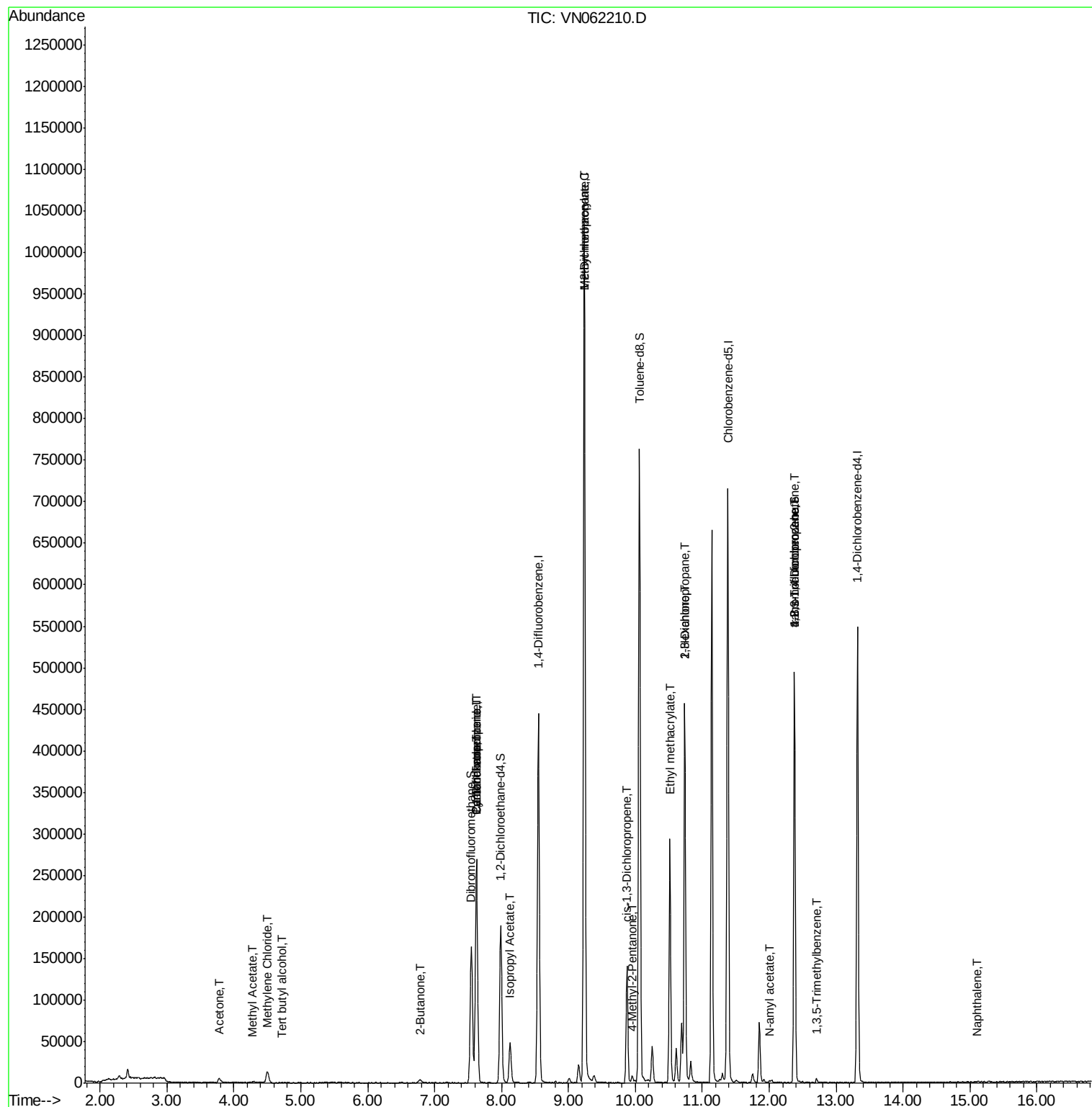
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	354	Below Cal	#	41
11) Tert butyl alcohol	4.73	59	151	0.362	ug/l #	72
16) Acetone	3.78	43	9321	6.262	ug/l	98
18) Methyl Acetate	4.28	43	1241	0.537	ug/l #	85
20) Methylene Chloride	4.50	84	9697	3.431	ug/l	96
25) 2-Butanone	6.79	43	1447	1.018	ug/l	100
31) Cyclohexane	7.63	56	4792	1.193	ug/l #	22
36) 1,1-Dichloropropene	7.63	75	18319	4.555	ug/l #	47
38) Carbon Tetrachloride	7.63	117	22038	5.813	ug/l #	15
43) Isopropyl Acetate	8.13	43	53574	9.869	ug/l	99
45) 1,2-Dichloropropane	9.24	63	1289	0.426	ug/l #	43
48) Methyl methacrylate	9.24	41	97920	40.231	ug/l #	35
51) 4-Methyl-2-Pentanone	9.95	43	5487	1.730	ug/l	100
54) cis-1,3-Dichloropropene	9.87	75	25541	5.267	ug/l #	67
56) Ethyl methacrylate	10.51	69	1288	0.328	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	5176	1.023	ug/l #	42
59) 2-Hexanone	10.74	43	62709	27.382	ug/l #	51
74) N-amyl acetate	12.00	43	1420	3.662	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	87994	25.621	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	2764	0.302	ug/l	90
81) trans-1,4-Dichloro-2-buten	12.38	75	87994	74.824	ug/l #	13
95) Naphthalene	15.11	128	1178	4.151	ug/l #	72

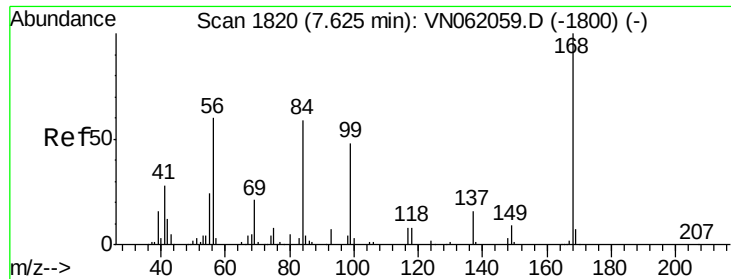
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062920\
Data File : VN062210.D
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Quant Time: Jun 30 04:32:58 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 24 15:33:00 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: VN062210.D

Acq: 30 Jun 2020 1:22

Instrument :

MSVOA_N

ClientSampleId :

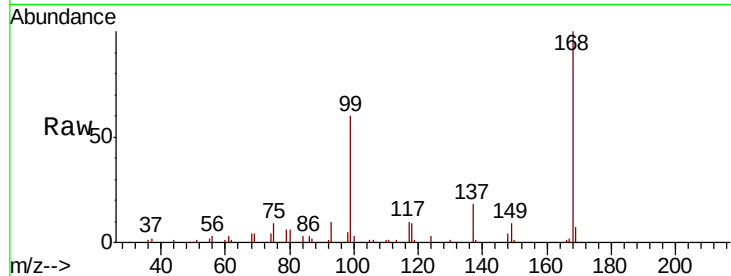
PB129816TB

Tot Ion:168 Resp: 207215

Ion Ratio Lower Upper

168 100

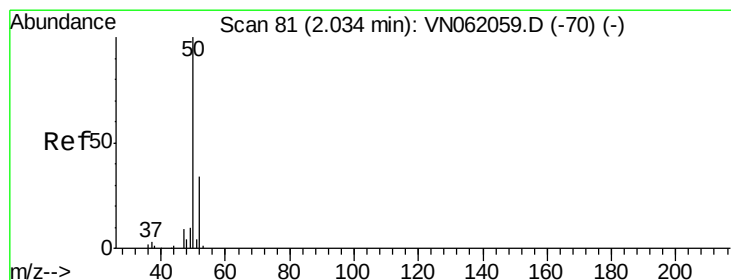
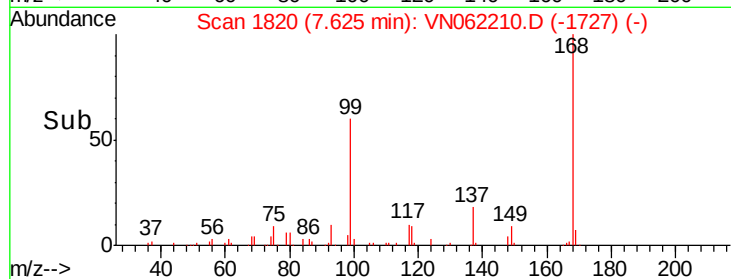
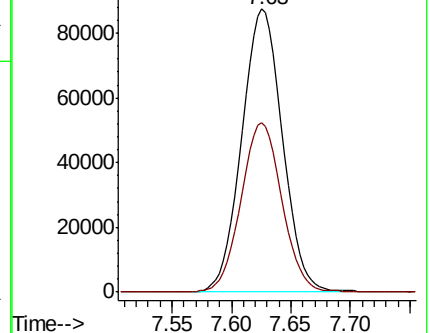
99 60.0 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062210.D

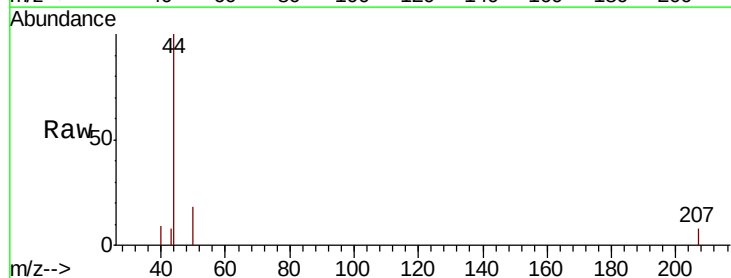
Acq: 30 Jun 2020 1:22

Tgt Ion: 50 Resp: 354

Ion Ratio Lower Upper

50 100

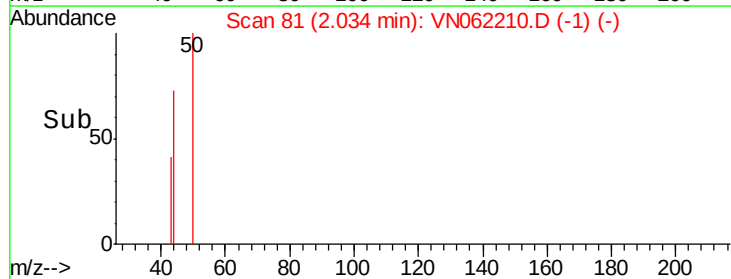
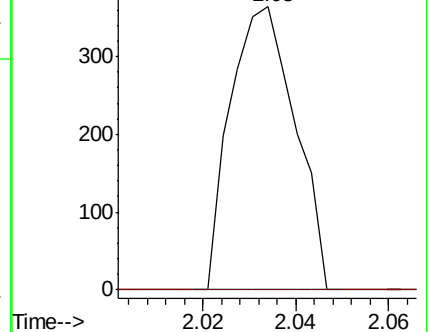
52 0.0 27.0 40.6#

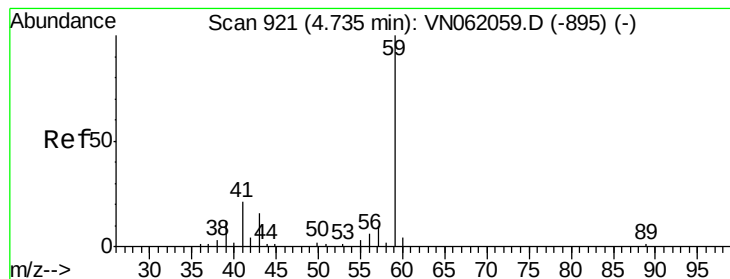


Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.03



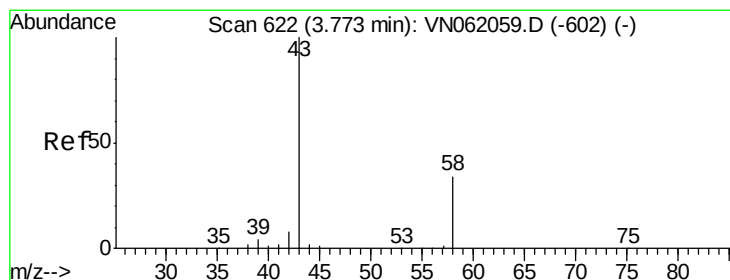
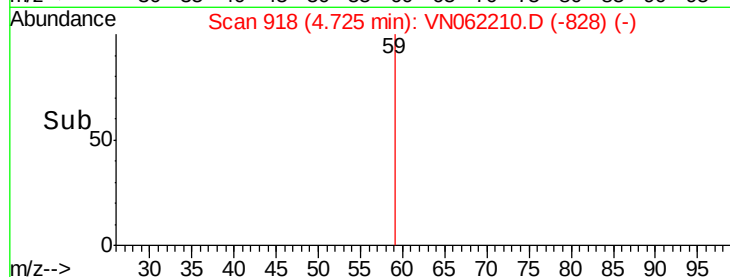
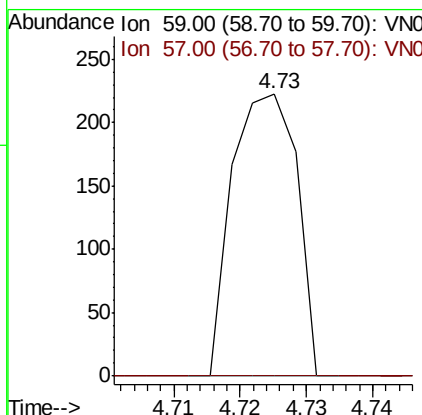
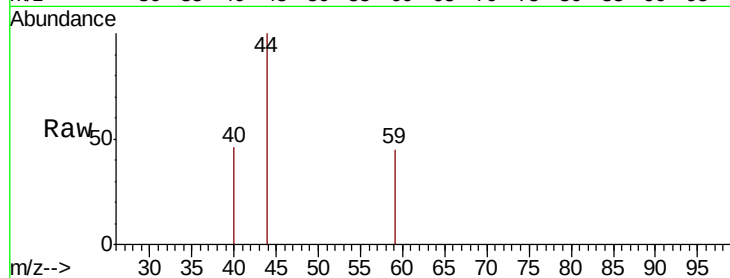


#11

Tert butyl alcohol
 Concen: 0.362 ug/l
 RT: 4.73 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: VN062210.D
 Acq: 30 Jun 2020 1:22

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129816TB

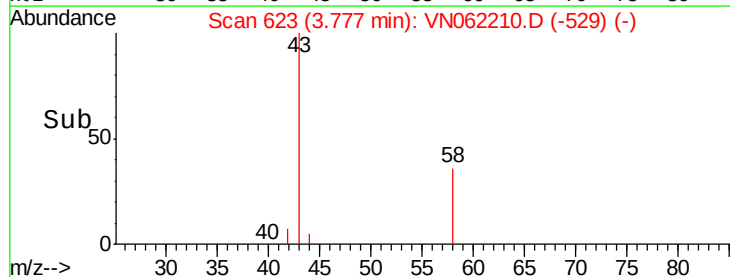
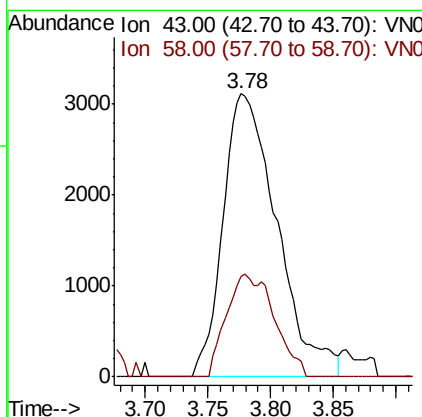
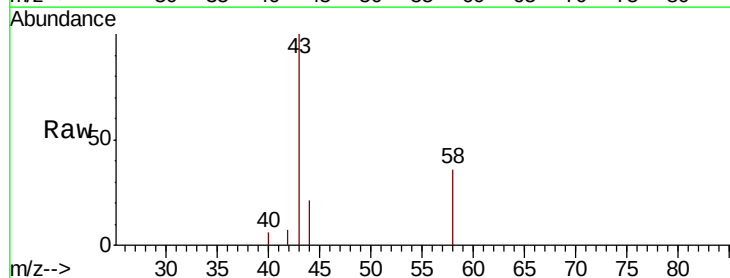
Tot Ion: 59 Resp: 151
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

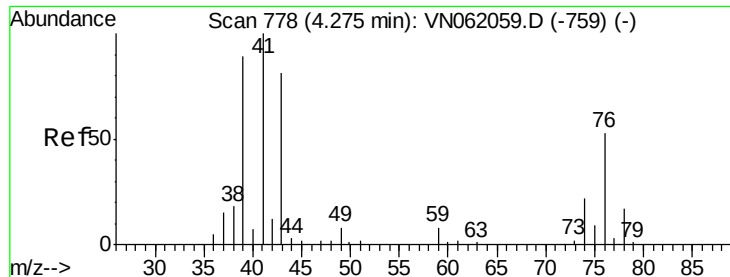


#16

Acetone
 Concen: 6.262 ug/l
 RT: 3.78 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: VN062210.D
 Acq: 30 Jun 2020 1:22

Tgt Ion: 43 Resp: 9321
 Ion Ratio Lower Upper
 43 100
 58 35.6 27.5 41.3

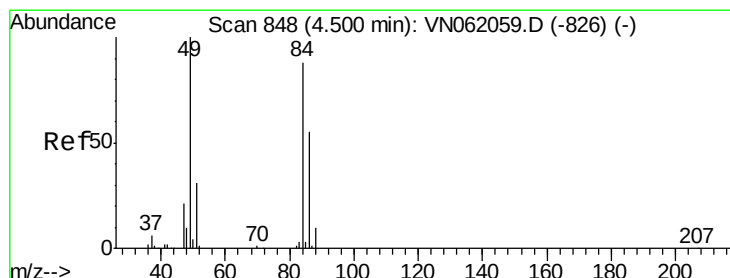
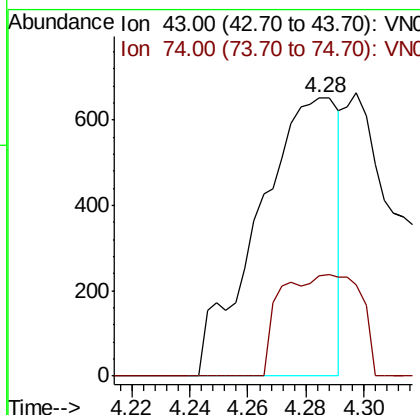
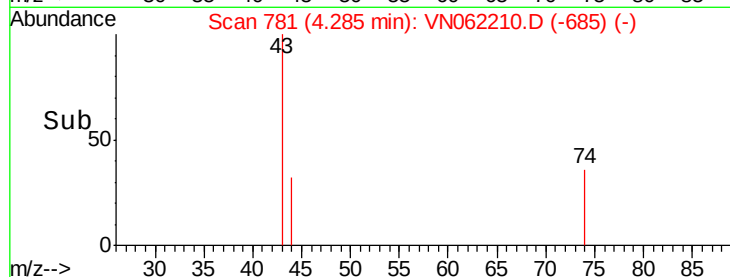
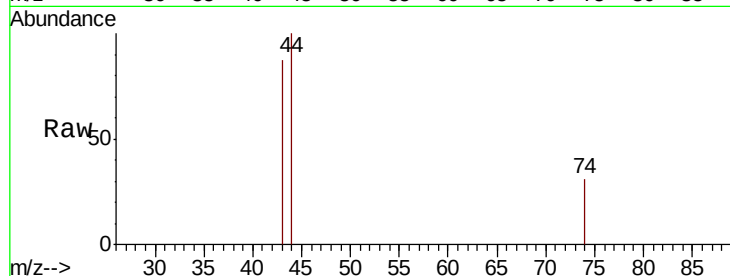




#18
Methyl Acetate
Concen: 0.537 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.01 min
Lab File: VN062210.D
Acq: 30 Jun 2020 1:22

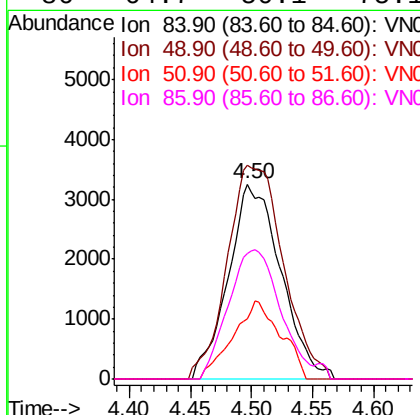
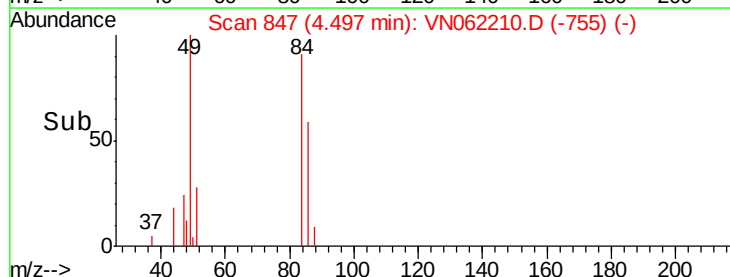
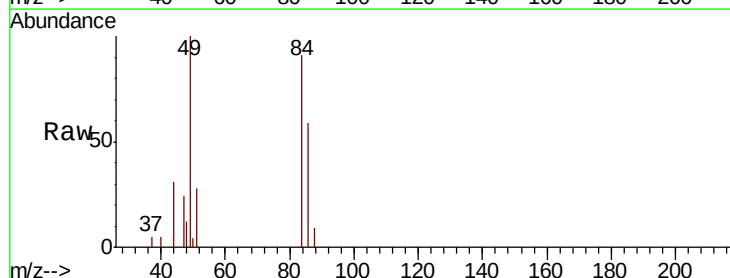
Instrument :
MSVOA_N
ClientSampled :
PB129816TB

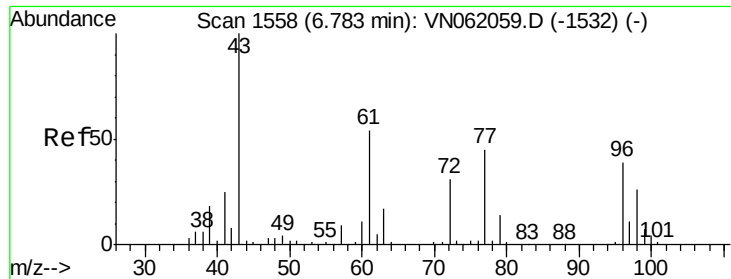
Tot Ion: 43 Resp: 1241
Ion Ratio Lower Upper
43 100
74 36.5 22.9 34.3#



#20
Methylene Chloride
Concen: 3.431 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.00 min
Lab File: VN062210.D
Acq: 30 Jun 2020 1:22

Tgt Ion: 84 Resp: 9697
Ion Ratio Lower Upper
84 100
49 109.7 90.6 136.0
51 30.7 27.8 41.8
86 64.7 50.1 75.1

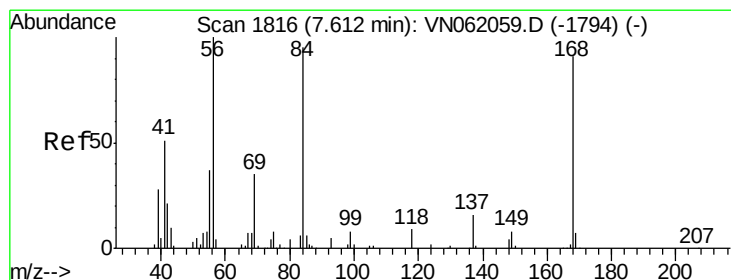
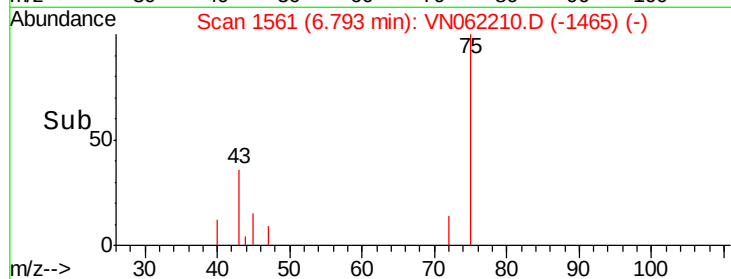
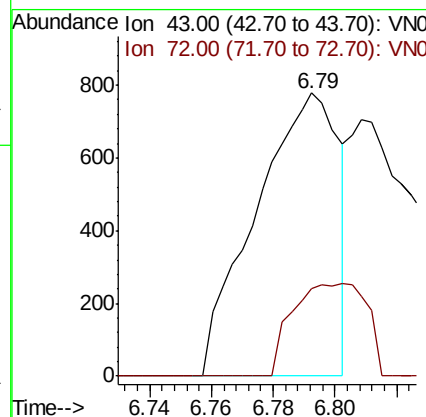
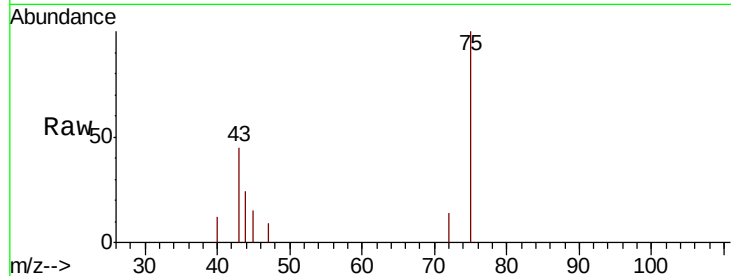




#25
2-Butanone
Concen: 1.018 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. 0.01 min
Lab File: VN062210.D
Acq: 30 Jun 2020 1:22

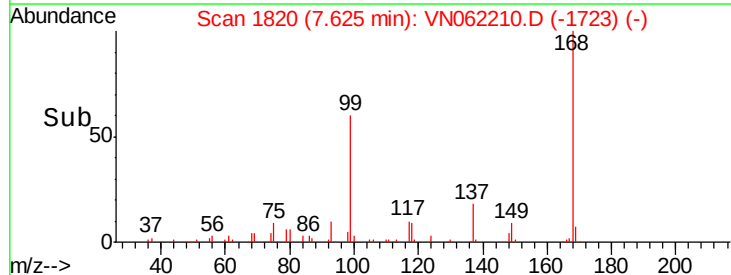
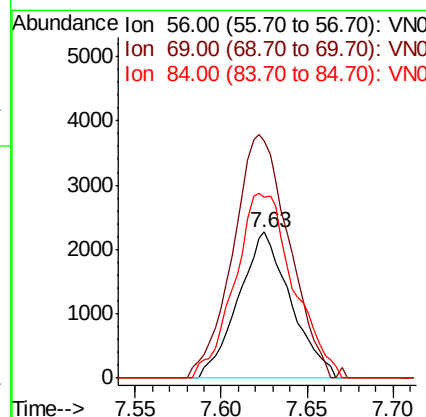
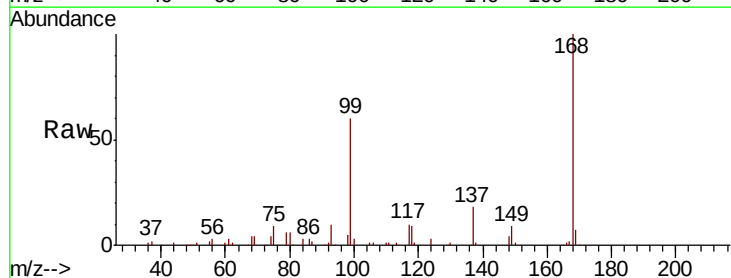
Instrument :
MSVOA_N
ClientSampleId :
PB129816TB

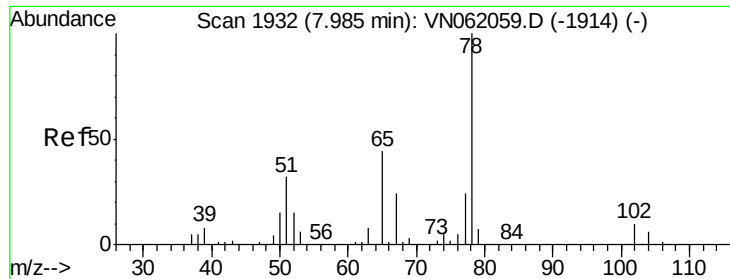
Tot Ion: 43 Resp: 1447
Ion Ratio Lower Upper
43 100
72 31.1 24.8 37.2



#31
Cyclohexane
Concen: 1.193 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN062210.D
Acq: 30 Jun 2020 1:22

Tgt Ion: 56 Resp: 4792
Ion Ratio Lower Upper
56 100
69 156.0 28.0 42.0#
84 124.1 76.1 114.1#

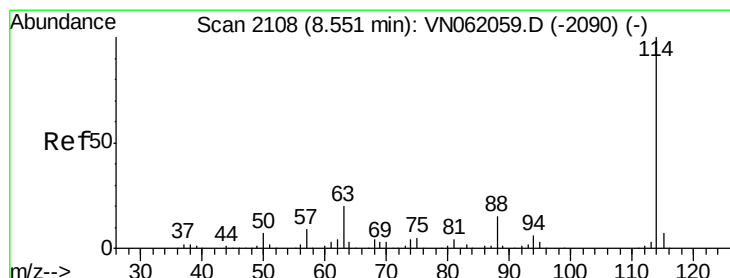
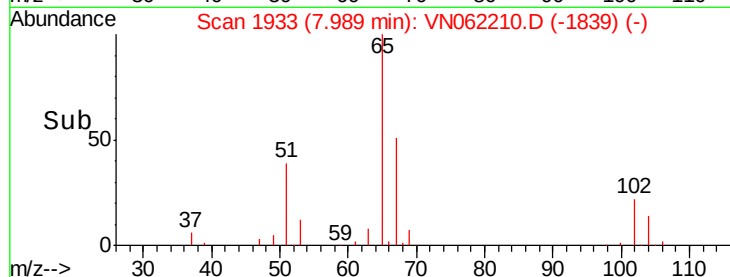
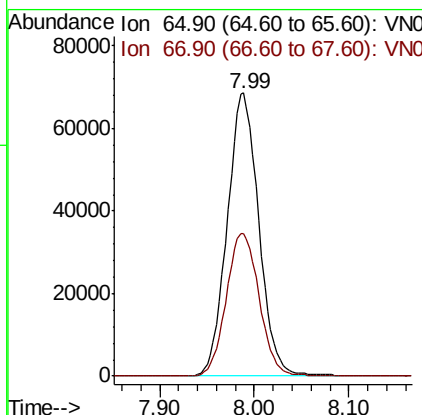
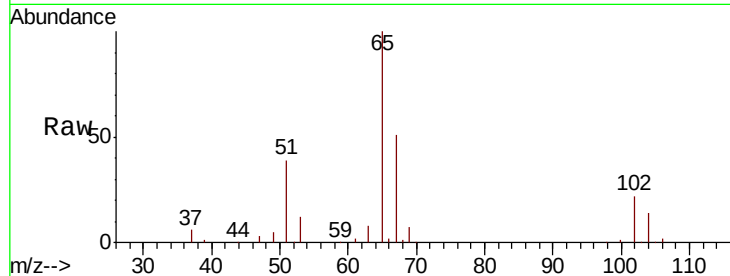




#33
 1,2-Dichloroethane-d4
 Concen: 54.864 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062210.D
 Acq: 30 Jun 2020 1:22

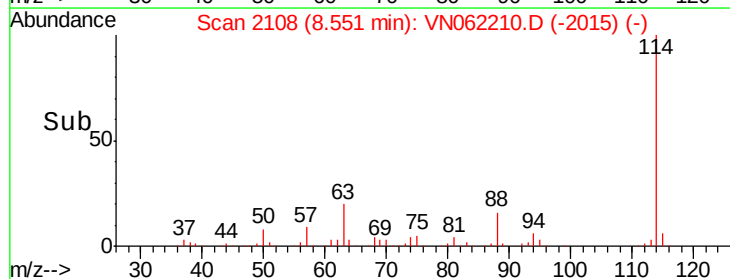
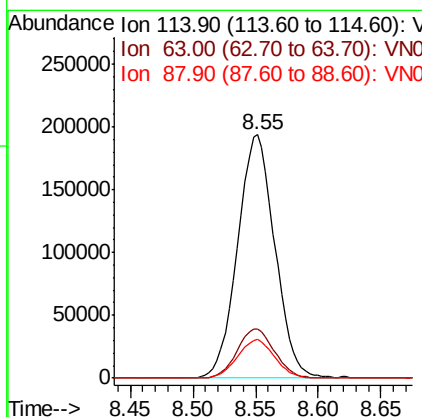
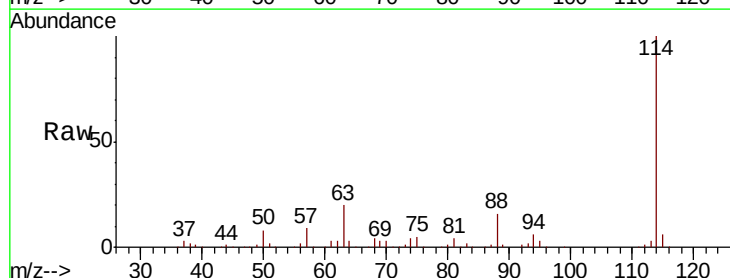
Instrument :
 MSVOA_N
 ClientSampleId :
 PB129816TB

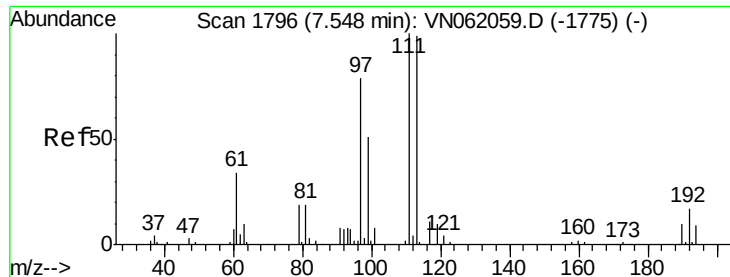
Tot Ion: 65 Resp: 159541
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062210.D
 Acq: 30 Jun 2020 1:22

Tgt Ion: 114 Resp: 400081
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.2
 88 15.8 0.0 30.8

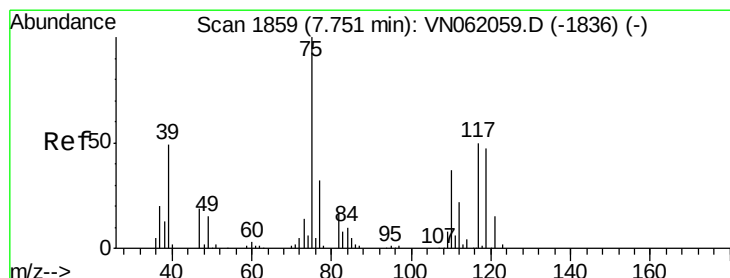
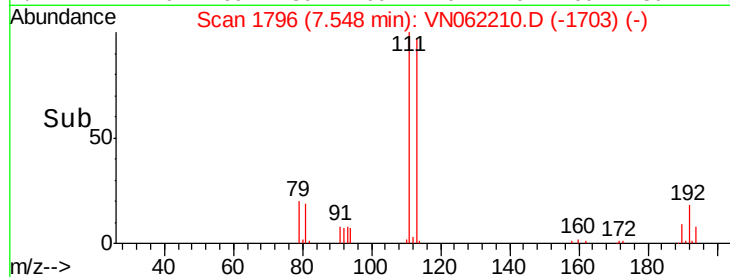
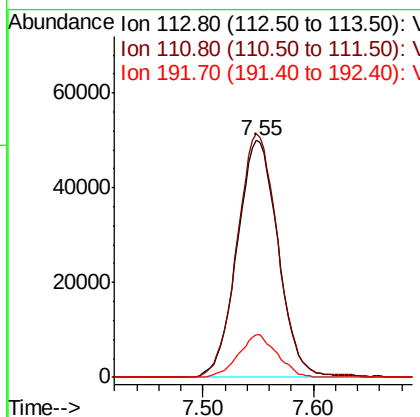
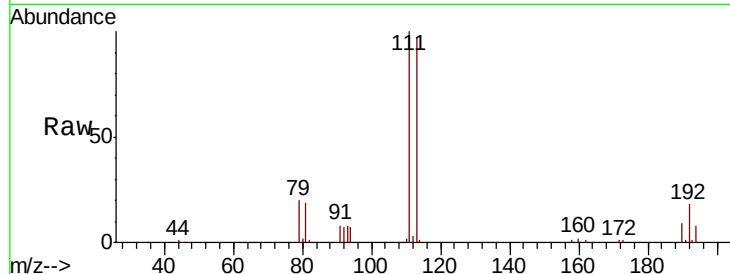




#35
 Dibromofluoromethane
 Concen: 50.026 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062210.D
 Acq: 30 Jun 2020 1:22

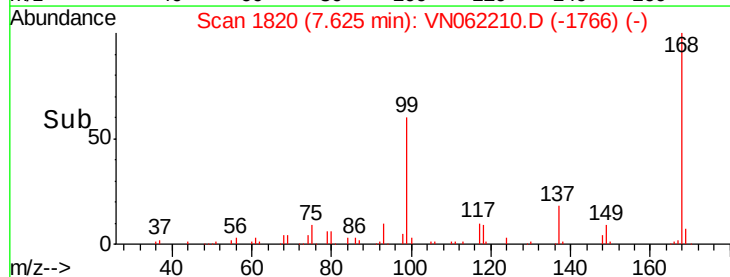
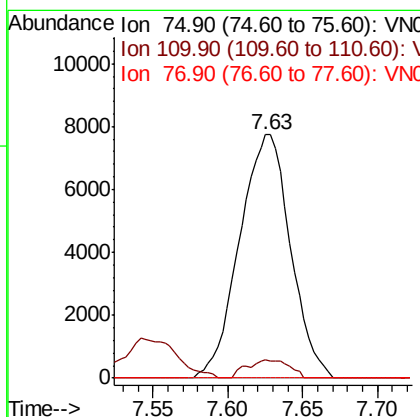
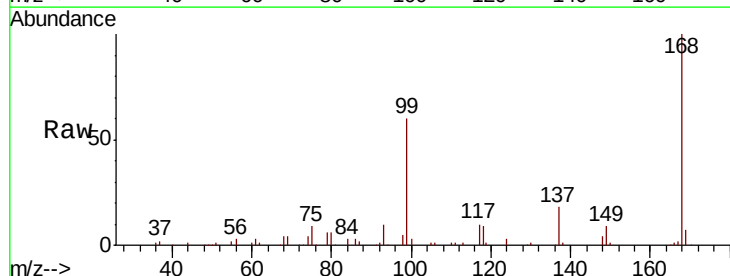
Instrument :
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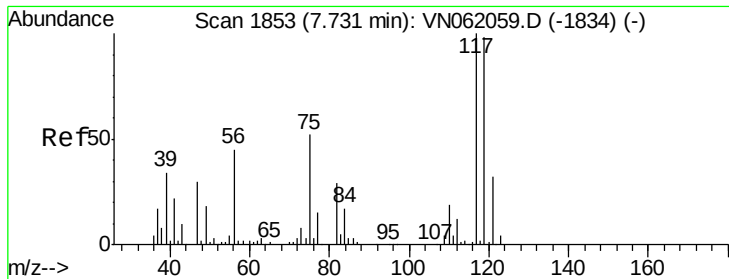
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.2	123.4
192	16.9	14.0	21.0



#36
 1,1-Dichloropropene
 Concen: 4.555 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062210.D
 Acq: 30 Jun 2020 1:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.2	17.9	53.8#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 5.813 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062210.D

Acq: 30 Jun 2020 1:22

Instrument :

MSVOA_N

ClientSampleId :

PB129816TB

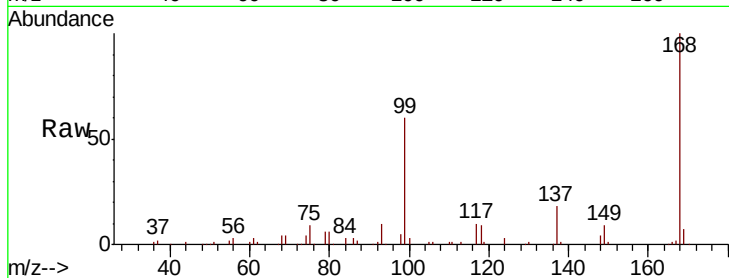
Tot Ion:117 Resp: 22038

Ion Ratio Lower Upper

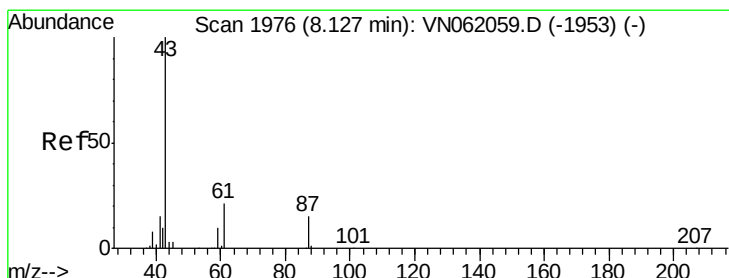
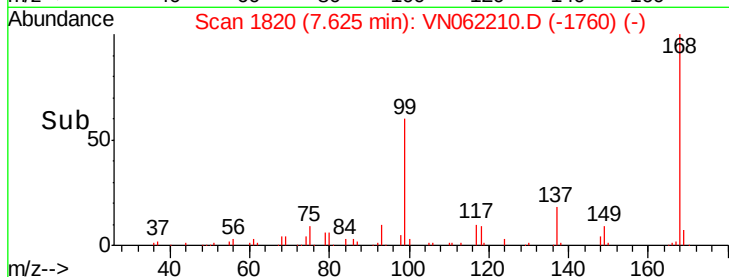
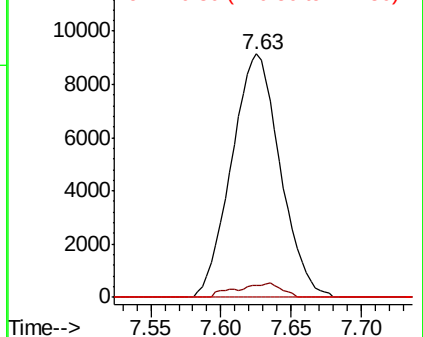
117 100

119 4.9 78.2 117.2#

121 0.0 25.8 38.6#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 9.869 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062210.D

Acq: 30 Jun 2020 1:22

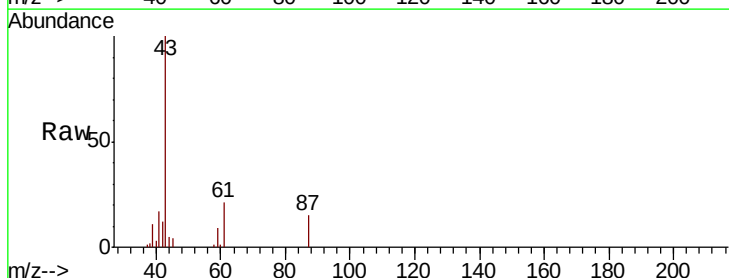
Tgt Ion: 43 Resp: 53574

Ion Ratio Lower Upper

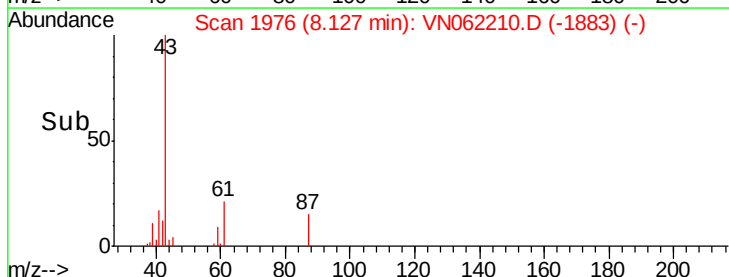
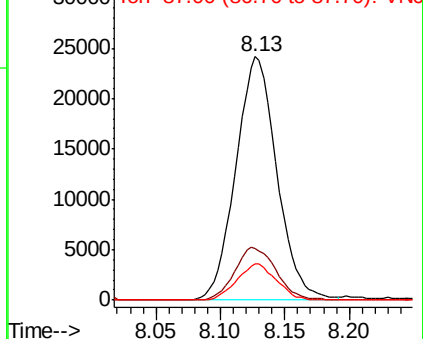
43 100

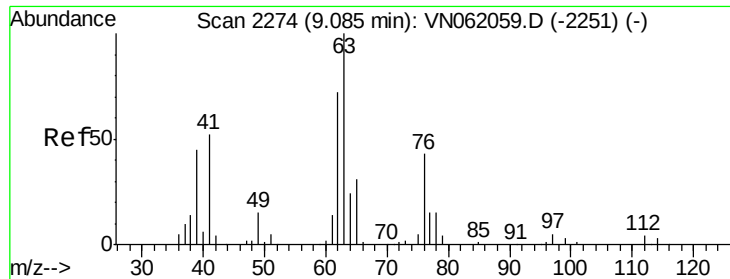
61 21.6 17.2 25.8

87 14.2 12.1 18.1



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V

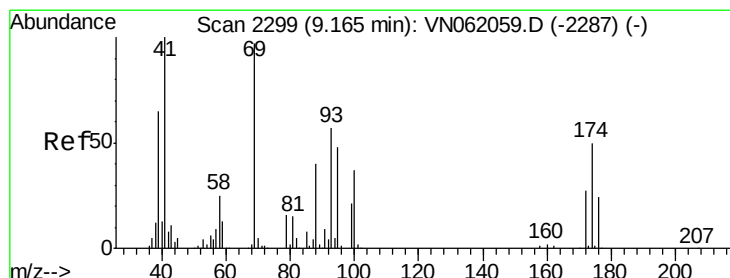
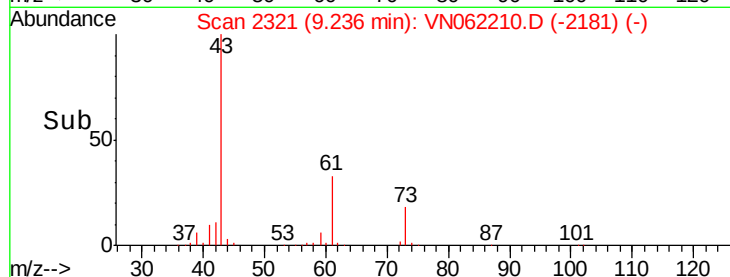
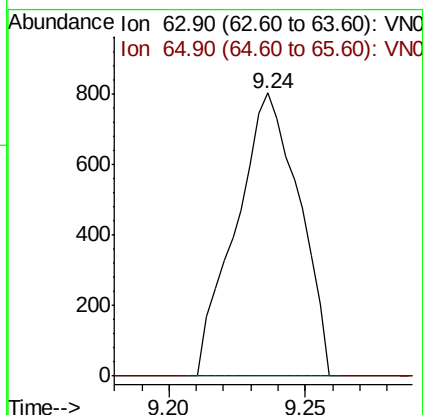
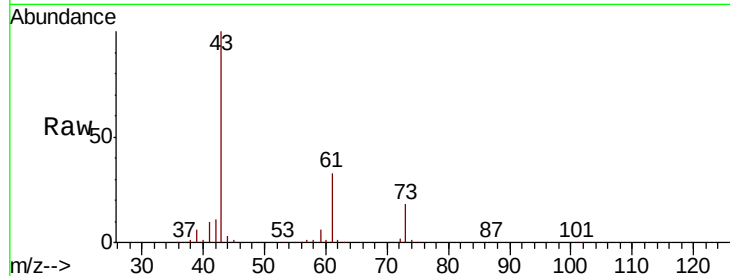




#45
 1,2-Dichloropropane
 Concen: 0.426 ug/l
 RT: 9.24 min Scan# 2321
 Delta R.T. 0.15 min
 Lab File: VN062210.D
 Acq: 30 Jun 2020 1:22

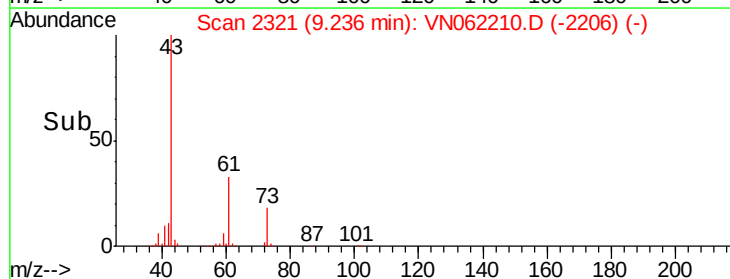
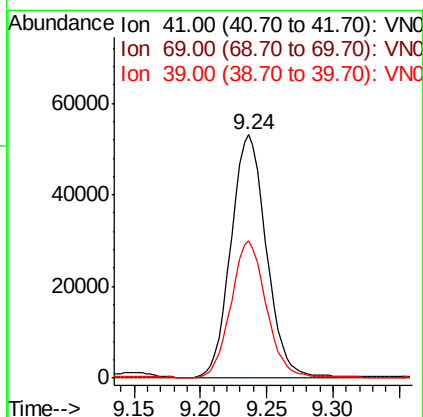
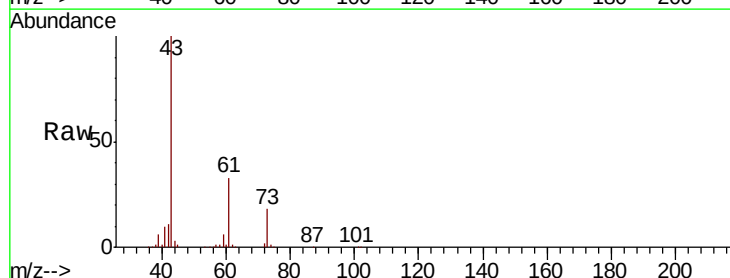
Instrument :
 MSVOA_N
 ClientSampleId :
 PB129816TB

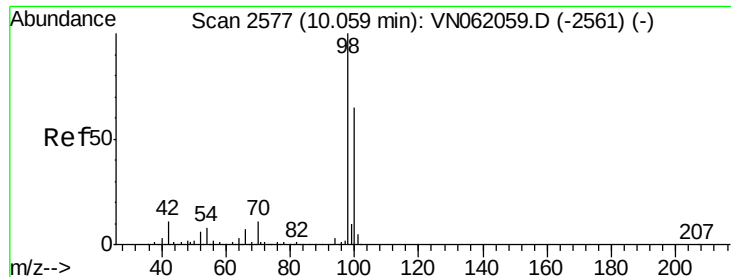
Tot Ion: 63 Resp: 1289
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.0 37.4#



#48
 Methyl methacrylate
 Concen: 40.231 ug/l
 RT: 9.24 min Scan# 2321
 Delta R.T. 0.07 min
 Lab File: VN062210.D
 Acq: 30 Jun 2020 1:22

Tgt Ion: 41 Resp: 97920
 Ion Ratio Lower Upper
 41 100
 69 0.0 80.7 121.1#
 39 57.0 54.5 81.7





#50

Toluene-d8

Concen: 52.245 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062210.D

Acq: 30 Jun 2020 1:22

Instrument :

MSVOA_N

ClientSampled :

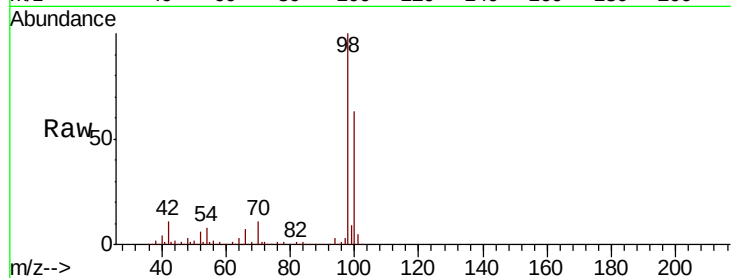
PB129816TB

Tot Ion: 98 Resp: 536036

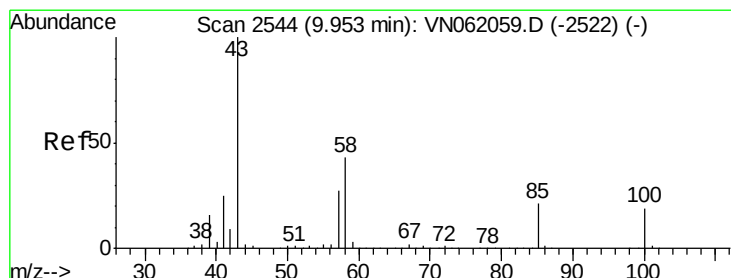
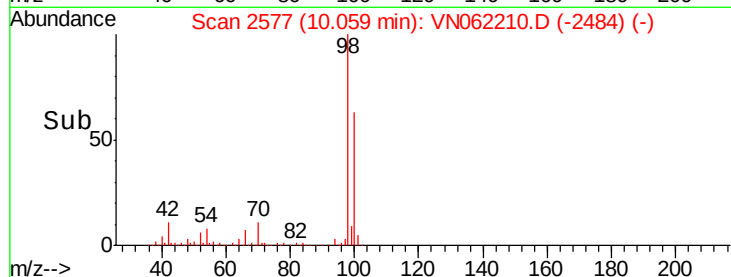
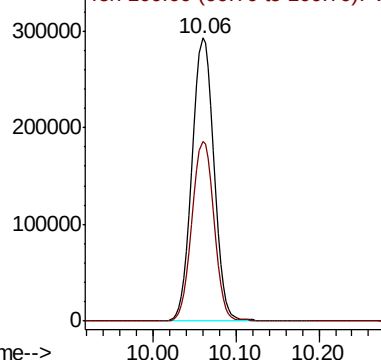
Ion Ratio Lower Upper

98 100

100 64.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN062210.D (-2484) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.730 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062210.D

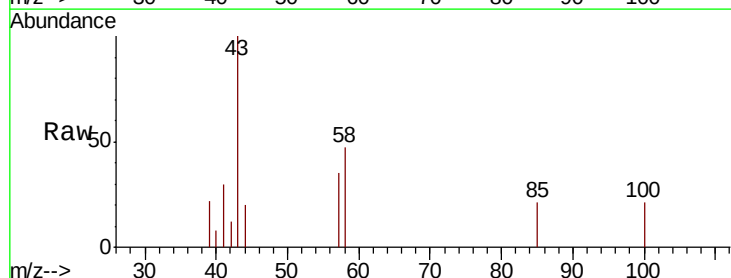
Acq: 30 Jun 2020 1:22

Tgt Ion: 43 Resp: 5487

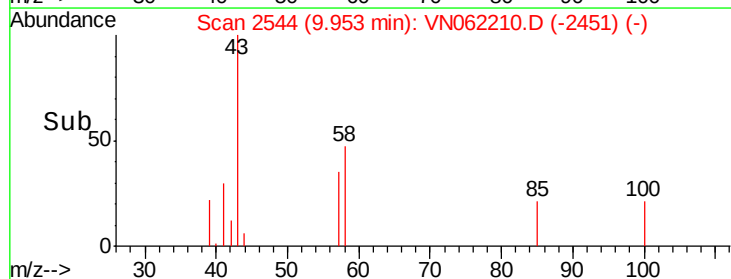
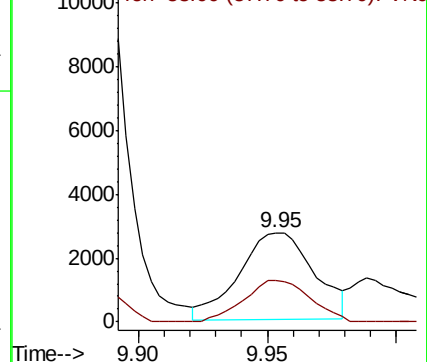
Ion Ratio Lower Upper

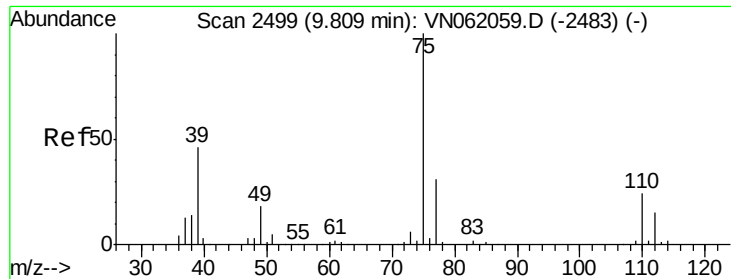
43 100

58 42.8 34.2 51.2



Abundance Ion 43.00 (42.70 to 43.70): VN062210.D (-2451) (-)



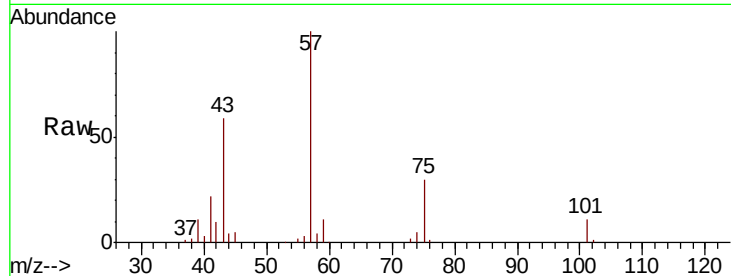


#54

cis-1,3-Dichloropropene
 Concen: 5.267 ug/l
 RT: 9.87 min Scan# 2519
 Delta R.T. 0.06 min
 Lab File: VN062210.D
 Acq: 30 Jun 2020 1:22

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129816TB

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.0	37.6#
39	35.4	36.9	55.3#

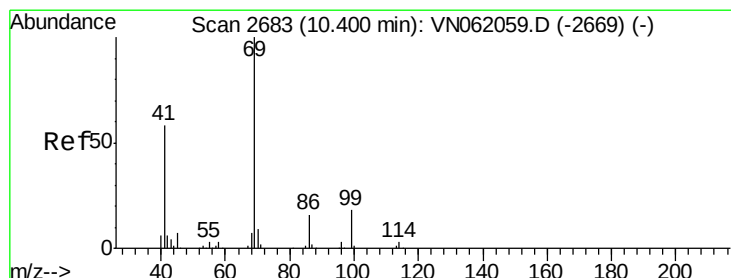
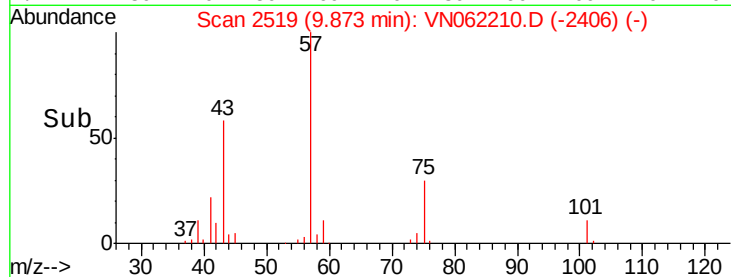
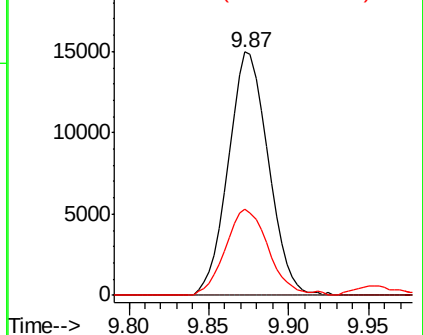


Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

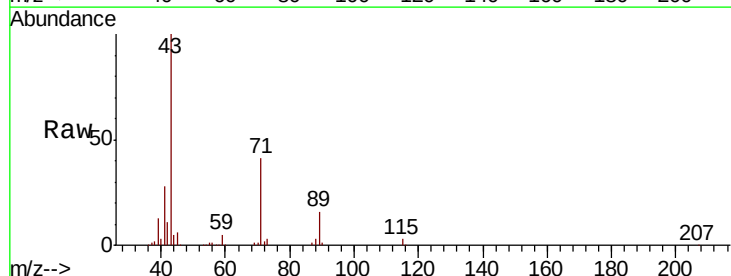
Ion 39.00 (38.70 to 39.70): VN0



#56

Ethyl methacrylate
 Concen: 0.328 ug/l
 RT: 10.51 min Scan# 2718
 Delta R.T. 0.11 min
 Lab File: VN062210.D
 Acq: 30 Jun 2020 1:22

Tgt Ion	Ratio	Lower	Upper
69	100		
41	4391.3	46.6	70.0#
39	2079.2	31.0	46.4#

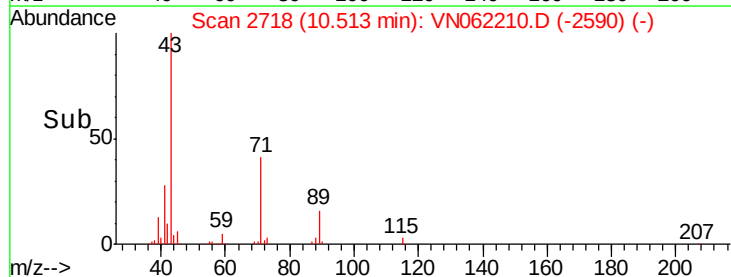
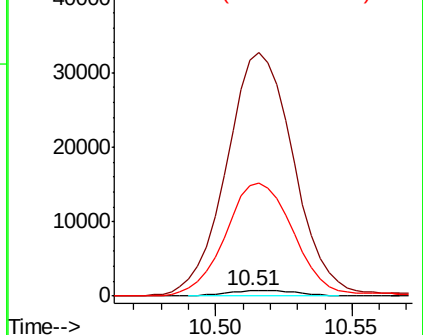


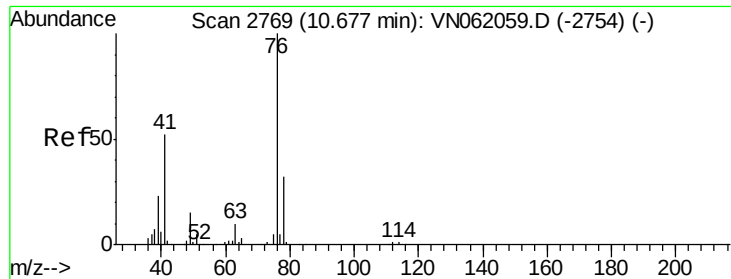
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

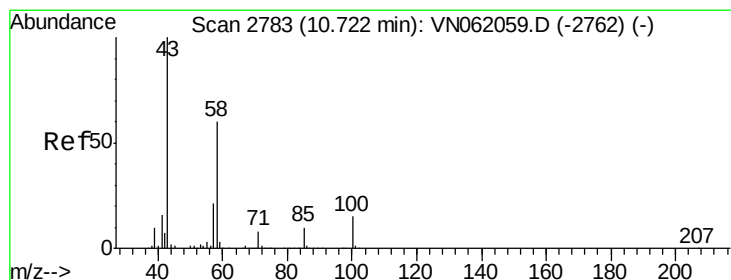
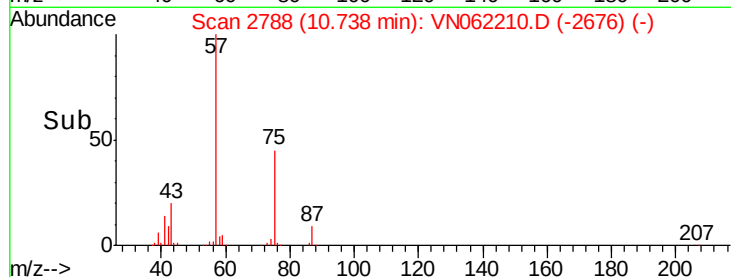
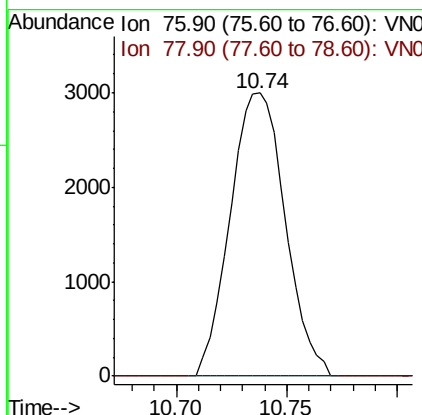
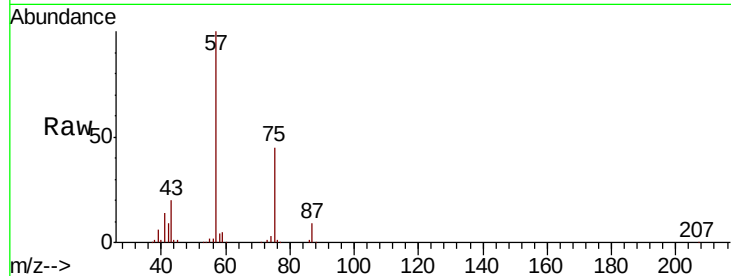




#57
 1,3-Dichloropropane
 Concen: 1.023 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.06 min
 Lab File: VN062210.D
 Acq: 30 Jun 2020 1:22

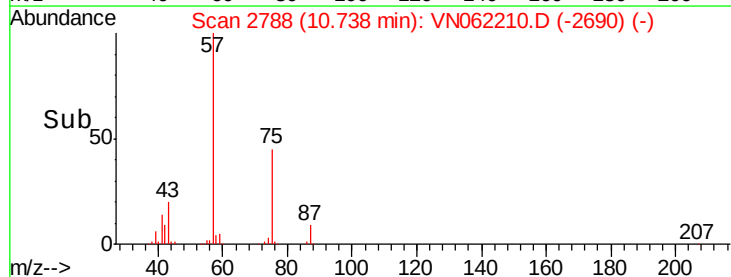
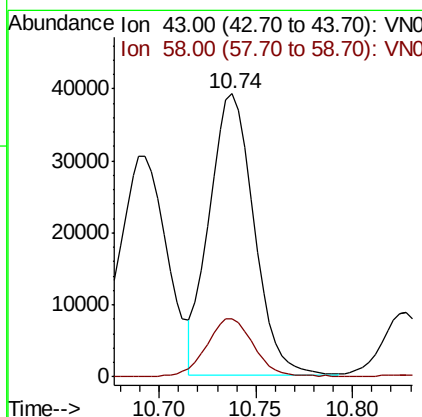
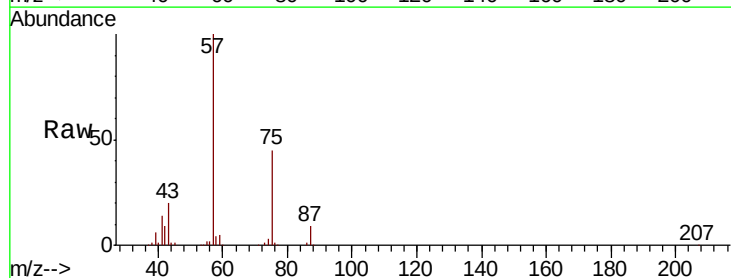
Instrument :
 MSVOA_N
 ClientSampled :
 PB129816TB

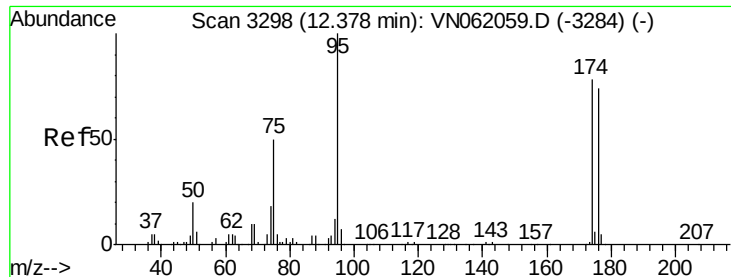
Tot Ion: 76 Resp: 5176
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#59
 2-Hexanone
 Concen: 27.382 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.02 min
 Lab File: VN062210.D
 Acq: 30 Jun 2020 1:22

Tgt Ion: 43 Resp: 62709
 Ion Ratio Lower Upper
 43 100
 58 21.9 29.5 88.5#

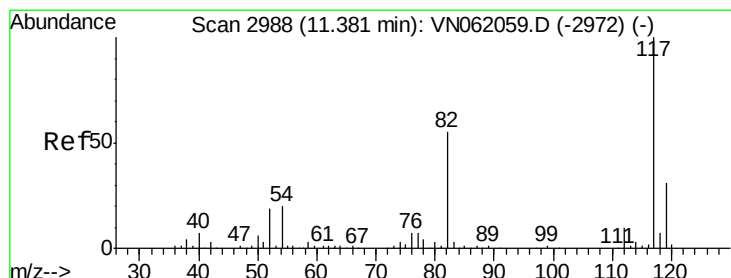
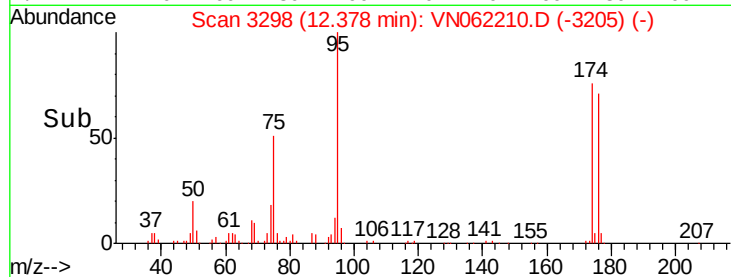
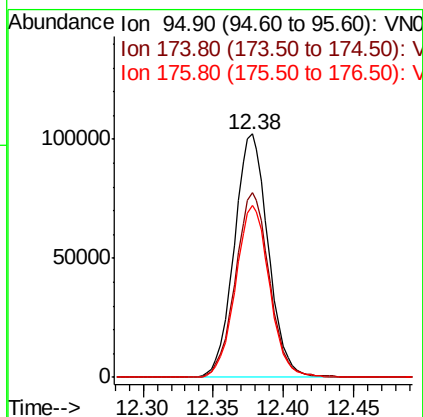
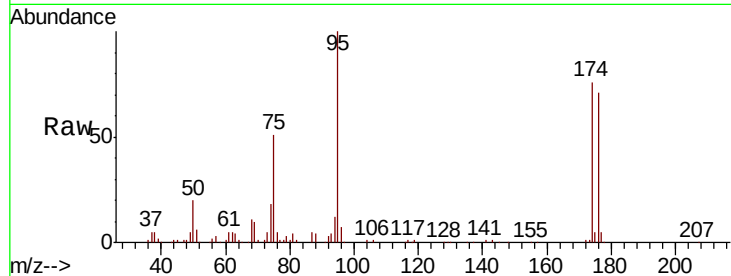




#62
4-Bromofluorobenzene
Concen: 49.739 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062210.D
Acq: 30 Jun 2020 1:22

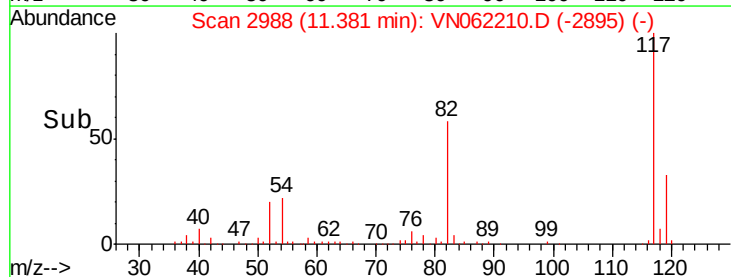
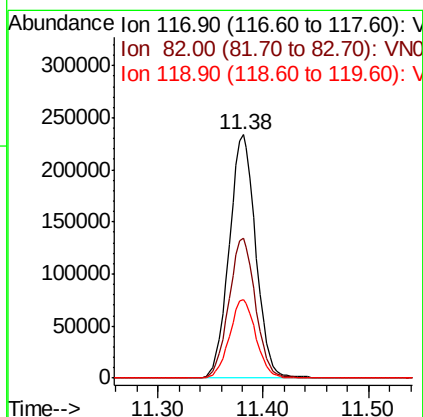
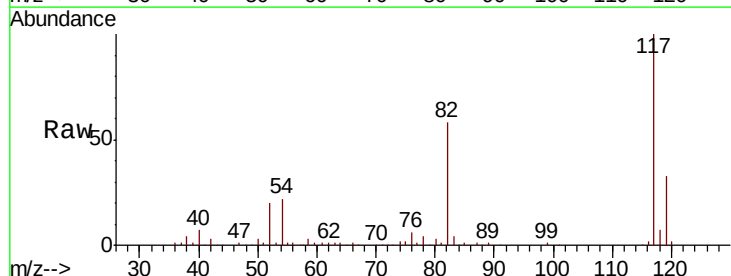
Instrument :
MSVOA_N
ClientSampled :
PB129816TB

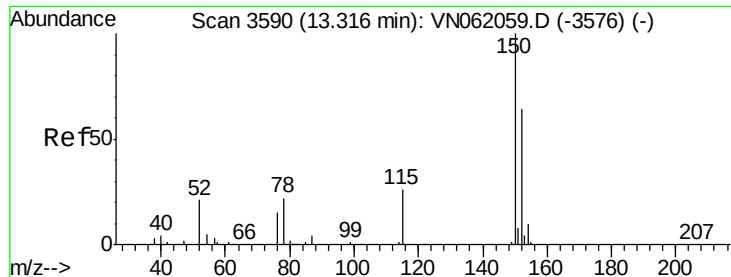
Tot Ion: 95 Resp: 172415
Ion Ratio Lower Upper
95 100
174 76.3 0.0 154.8
176 70.7 0.0 147.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062210.D
Acq: 30 Jun 2020 1:22

Tgt Ion: 117 Resp: 406689
Ion Ratio Lower Upper
117 100
82 57.6 43.8 65.8
119 32.5 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062210.D

Acq: 30 Jun 2020 1:22

Instrument :

MSVOA_N

ClientSampleId :

PB129816TB

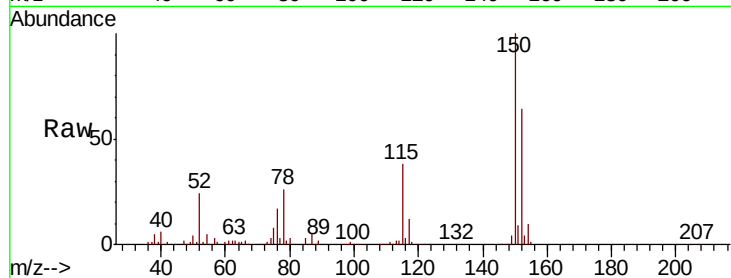
Tot Ion:152 Resp: 145891

Ion Ratio Lower Upper

152 100

115 60.2 29.5 88.5

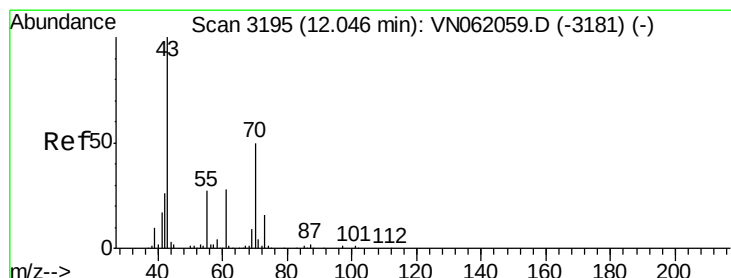
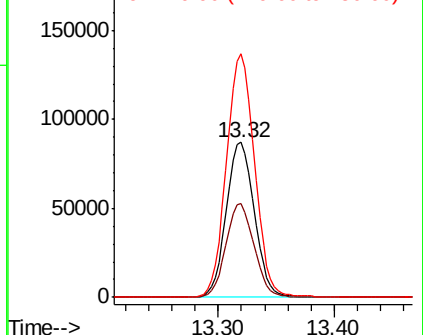
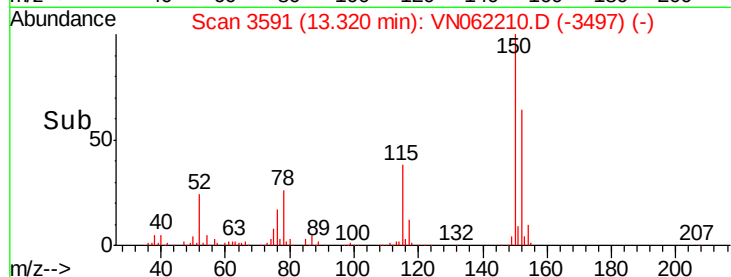
150 157.0 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 3.662 ug/l

RT: 12.00 min Scan# 3182

Delta R.T. -0.04 min

Lab File: VN062210.D

Acq: 30 Jun 2020 1:22

Tgt Ion: 43 Resp: 1420

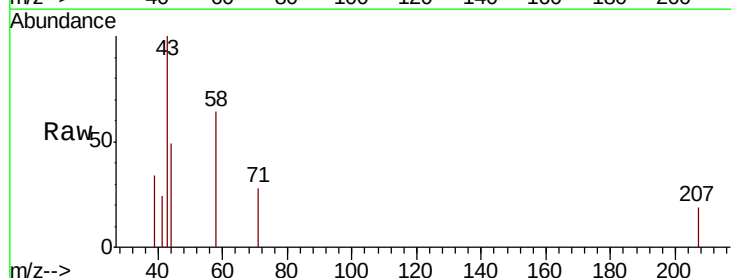
Ion Ratio Lower Upper

43 100

70 0.0 39.4 59.2#

55 0.0 21.7 32.5#

61 0.0 21.3 31.9#

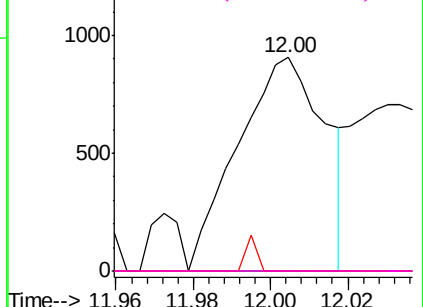
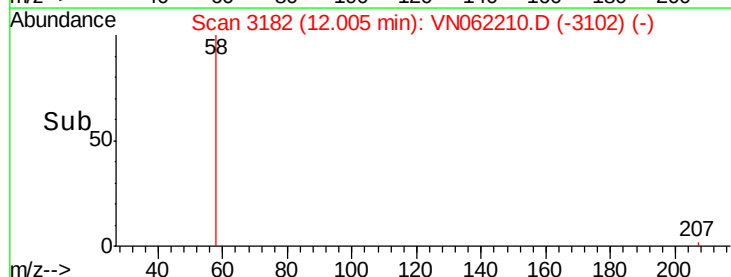


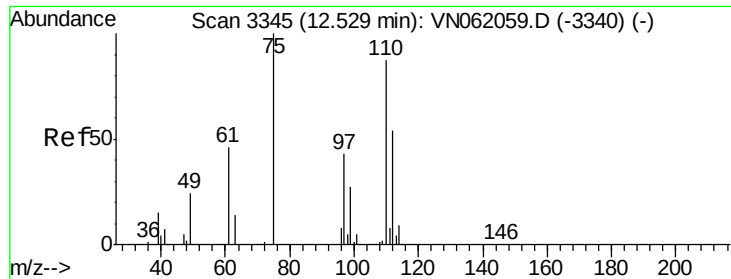
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

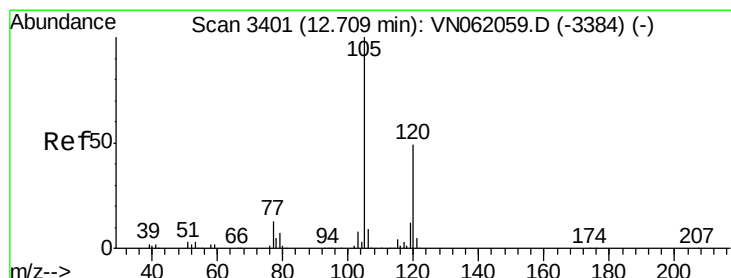
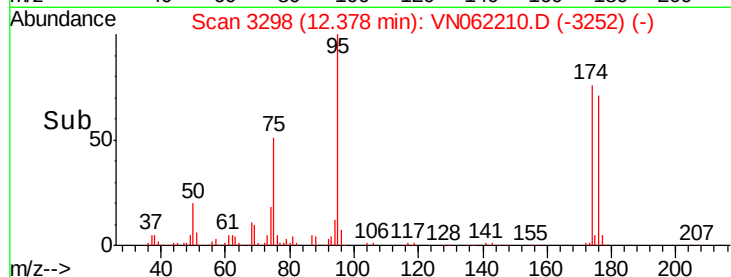
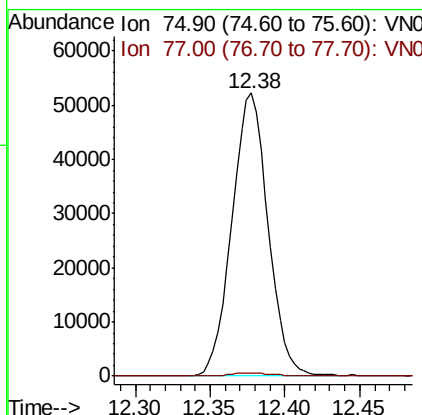
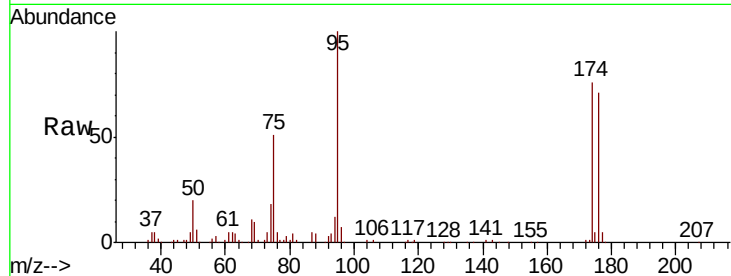




#76
 1,2,3-Trichloropropane
 Concen: 25.621 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062210.D
 Acq: 30 Jun 2020 1:22

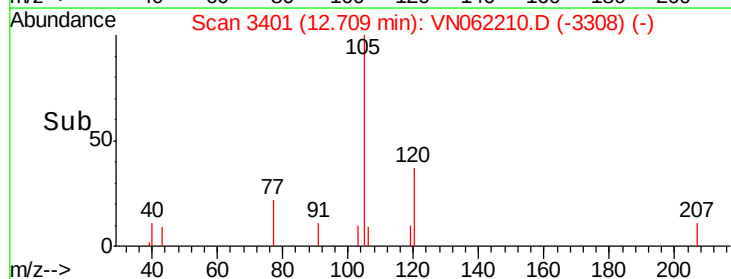
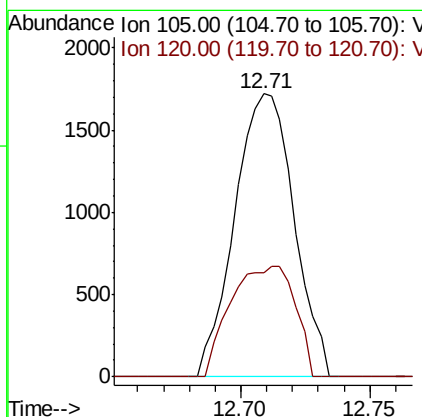
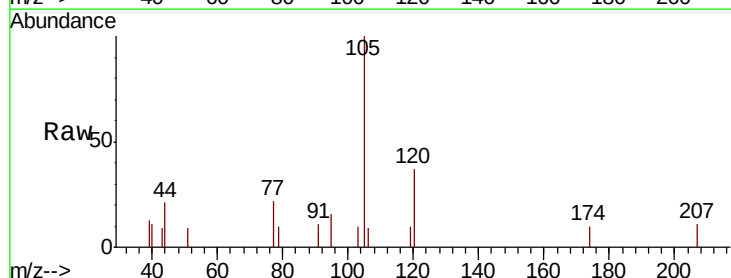
Instrument :
 MSVOA_N
 ClientSampled :
 PB129816TB

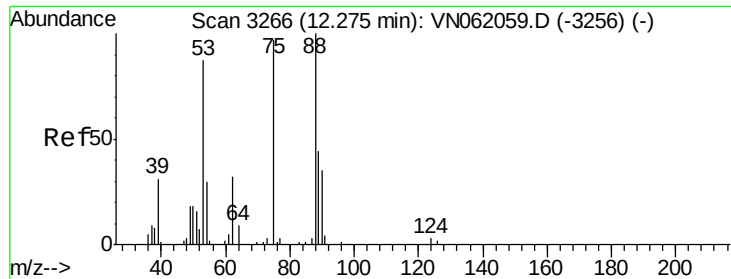
Tot Ion: 75 Resp: 87994
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.302 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN062210.D
 Acq: 30 Jun 2020 1:22

Tgt Ion: 105 Resp: 2764
 Ion Ratio Lower Upper
 105 100
 120 42.4 24.6 74.0

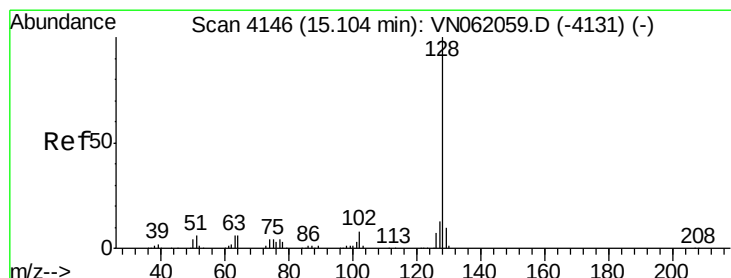
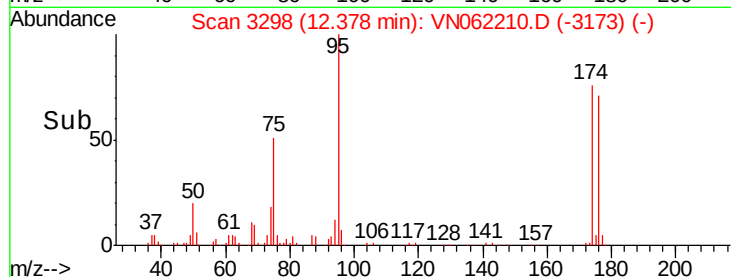
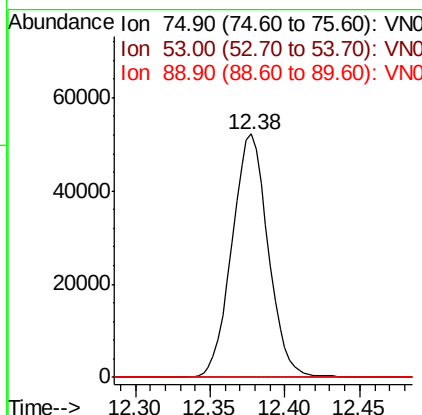
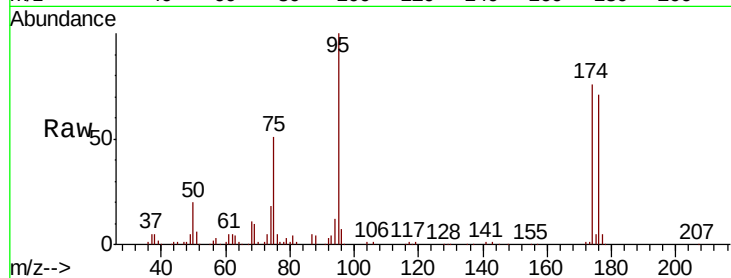




#81
trans-1,4-Dichloro-2-butene
Concen: 74.824 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.10 min
Lab File: VN062210.D
Acq: 30 Jun 2020 1:22

Instrument :
MSVOA_N
ClientSampled :
PB129816TB

Tot Ion: 75 Resp: 87994
Ion Ratio Lower Upper
75 100
53 0.0 72.0 108.0#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 4.151 ug/l
RT: 15.11 min Scan# 4149
Delta R.T. 0.01 min
Lab File: VN062210.D
Acq: 30 Jun 2020 1:22

Tgt Ion: 128 Resp: 1178
Ion Ratio Lower Upper
128 100
127 2.5 10.5 15.7#
129 0.0 8.6 13.0#

