

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080620\
 Data File : VN062769.D
 Acq On : 6 Aug 2020 16:18
 Operator : JC/MD
 Sample : PB130737ZHE#11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130737ZHE#11

Quant Time: Aug 07 03:08:37 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	135054	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	238511	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	248892	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	86311	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	115271	51.61	ug/l	0.00
Spiked Amount			Recovery	=	103.22%	
35) Dibromofluoromethane	7.55	113	81543	49.98	ug/l	0.00
Spiked Amount			Recovery	=	99.96%	
50) Toluene-d8	10.06	98	321705	50.51	ug/l	0.00
Spiked Amount			Recovery	=	101.02%	
62) 4-Bromofluorobenzene	12.38	95	116442	48.37	ug/l	0.00
Spiked Amount			Recovery	=	96.74%	

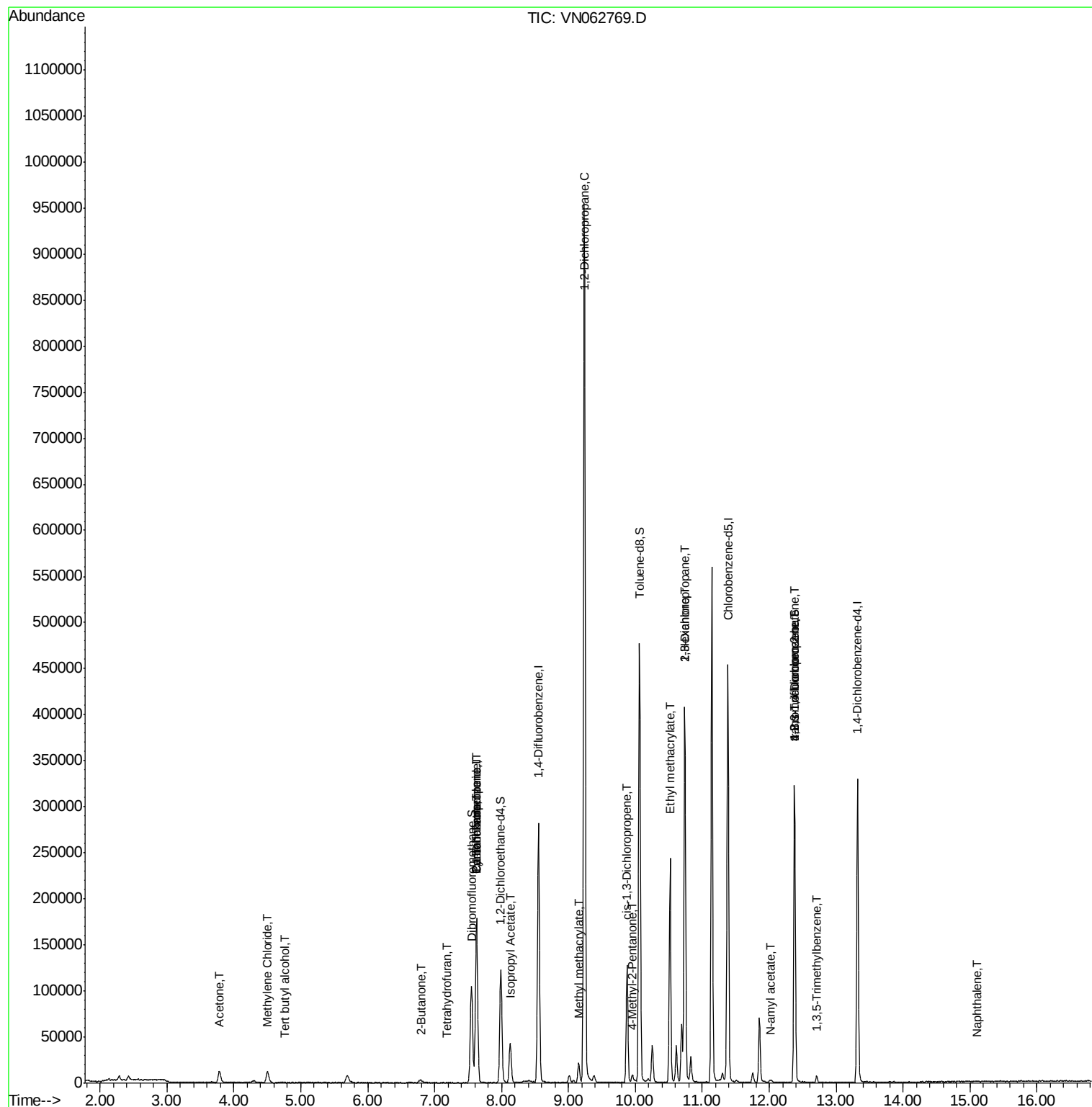
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.76	59	317	0.866	ug/l #	72
16) Acetone	3.78	43	21929	27.173	ug/l	94
17) Carbon Disulfide	4.00	76	130	Below Cal	#	74
20) Methylene Chloride	4.50	84	8991	5.410	ug/l #	91
25) 2-Butanone	6.79	43	2879	2.519	ug/l	91
29) Tetrahydrofuran	7.17	42	155	0.209	ug/l #	33
31) Cyclohexane	7.63	56	3196	1.180	ug/l #	37
36) 1,1-Dichloropropene	7.63	75	11292	4.862	ug/l #	51
38) Carbon Tetrachloride	7.63	117	14468	5.267	ug/l #	15
43) Isopropyl Acetate	8.13	43	51935	12.835	ug/l	98
45) 1,2-Dichloropropane	9.24	63	1158	0.617	ug/l #	45
48) Methyl methacrylate	9.15	41	3058	1.536	ug/l #	13
51) 4-Methyl-2-Pentanone	9.95	43	6253	2.388	ug/l	95
54) cis-1,3-Dichloropropene	9.88	75	21922	7.192	ug/l #	59
56) Ethyl methacrylate	10.52	69	1024	0.372	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	4268	1.375	ug/l #	43
59) 2-Hexanone	10.74	43	60782	31.123	ug/l #	52
74) N-amyl acetate	12.01	43	1812	0.688	ug/l #	44
76) 1,2,3-Trichloropropane	12.38	75	62846	26.999	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	4154	0.737	ug/l	90
81) trans-1,4-Dichloro-2-buten	12.38	75	62846	82.421	ug/l #	10
95) Naphthalene	15.11	128	363	3.793	ug/l #	68

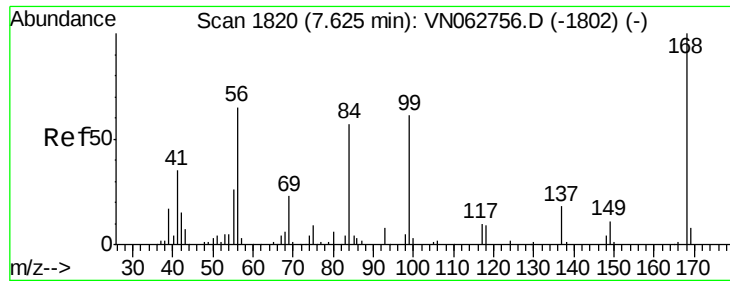
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:26:42 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062769.D

Acq: 6 Aug 2020 16:18

Instrument :

MSVOA_N

ClientSampleId :

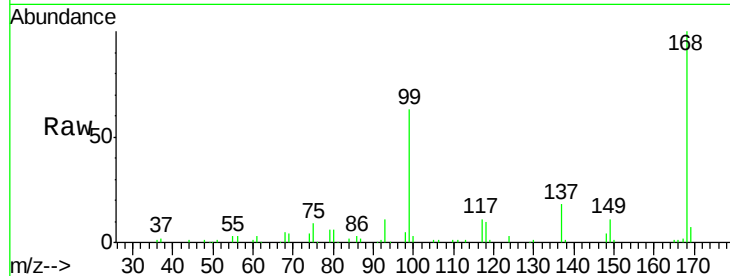
PB130737ZHE#11

Tot Ion:168 Resp: 135054

Ion Ratio Lower Upper

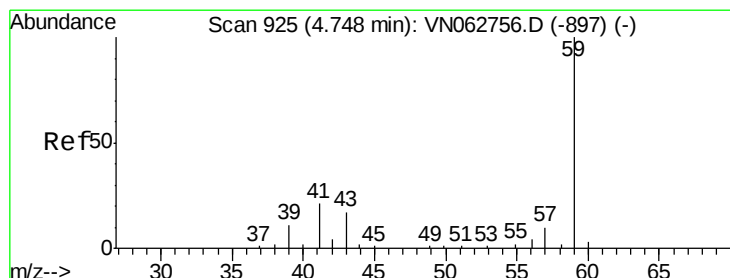
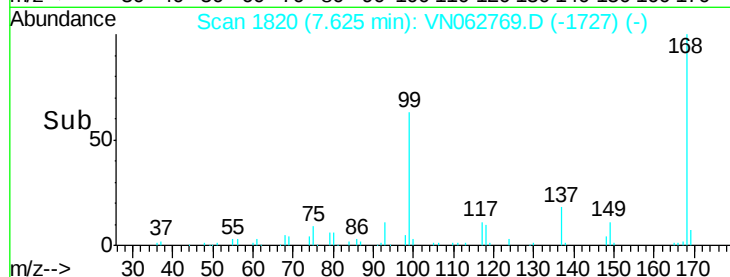
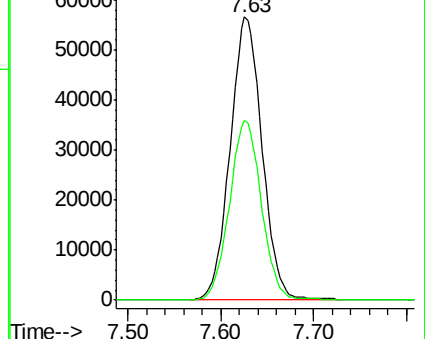
168 100

99 63.3 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 0.866 ug/l

RT: 4.76 min Scan# 928

Delta R.T. 0.01 min

Lab File: VN062769.D

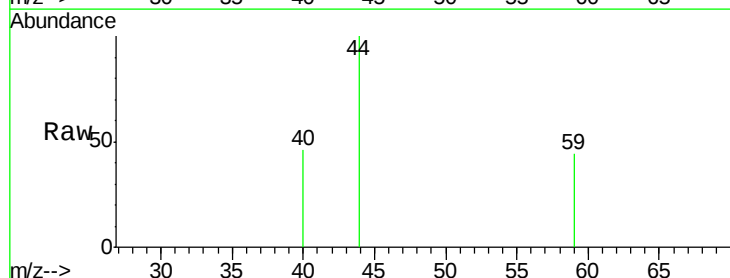
Acq: 6 Aug 2020 16:18

Tgt Ion: 59 Resp: 317

Ion Ratio Lower Upper

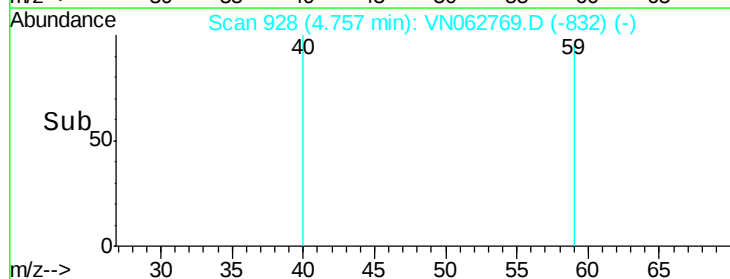
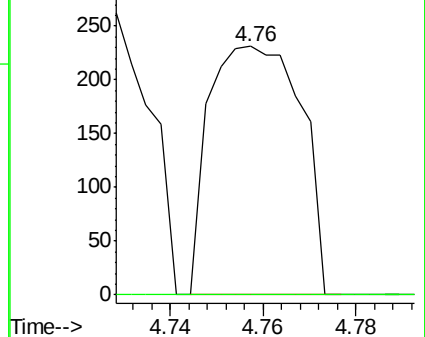
59 100

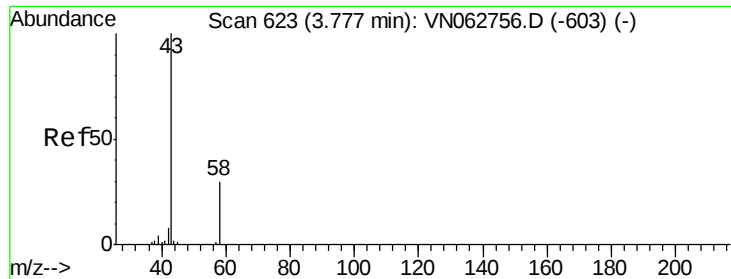
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#16

Acetone

Concen: 27.173 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN062769.D

Acq: 6 Aug 2020 16:18

Instrument :

MSVOA_N

ClientSampleId :

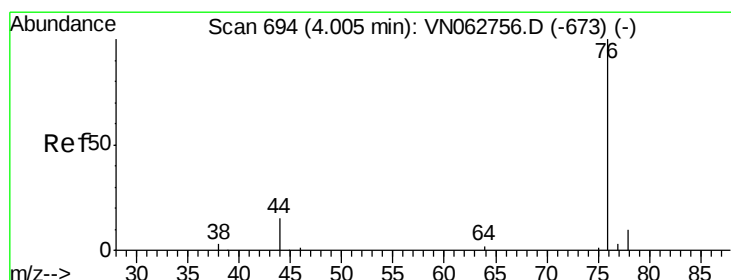
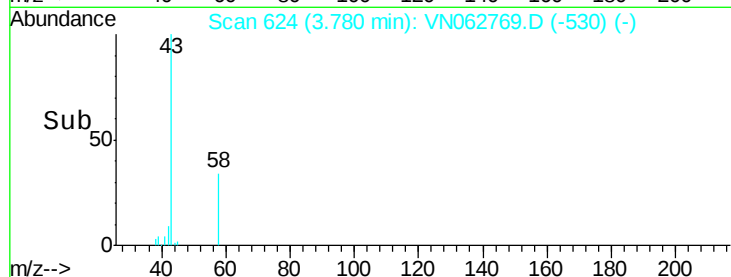
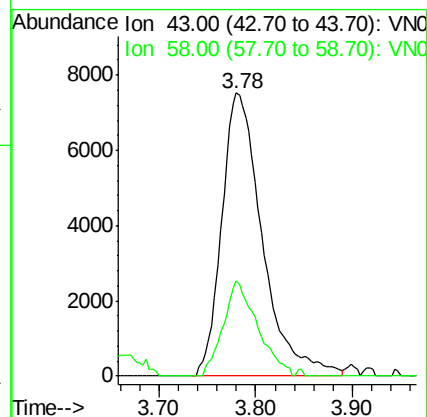
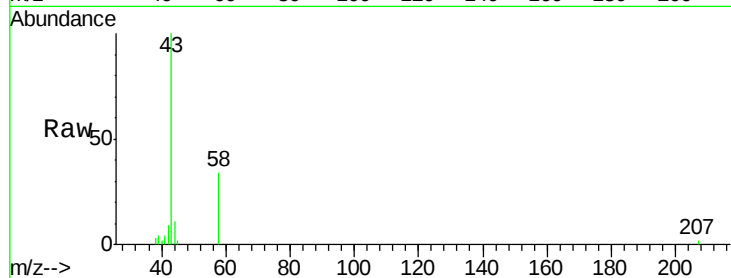
PB130737ZHE#11

Tot Ion: 43 Resp: 21929

Ion Ratio Lower Upper

43 100

58 33.6 24.1 36.1



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.00 min Scan# 691

Delta R.T. -0.01 min

Lab File: VN062769.D

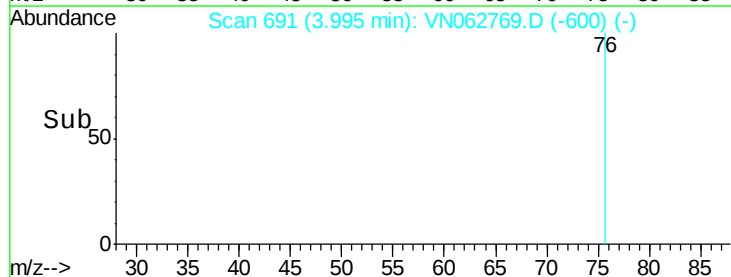
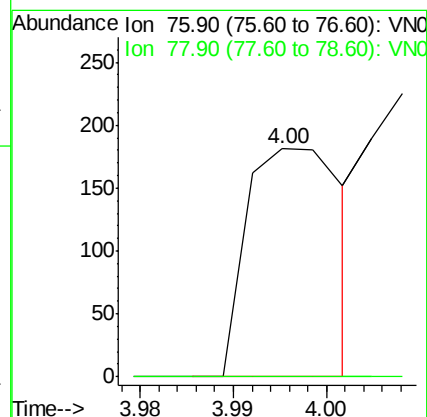
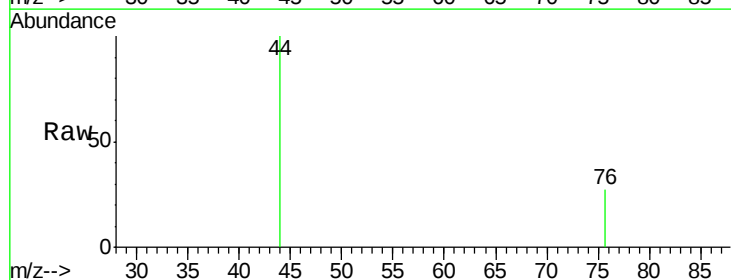
Acq: 6 Aug 2020 16:18

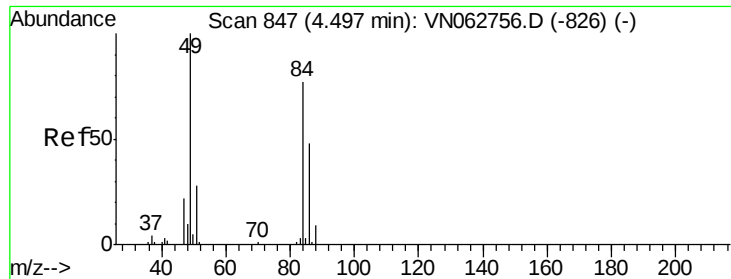
Tgt Ion: 76 Resp: 130

Ion Ratio Lower Upper

76 100

78 0.0 7.7 11.5#

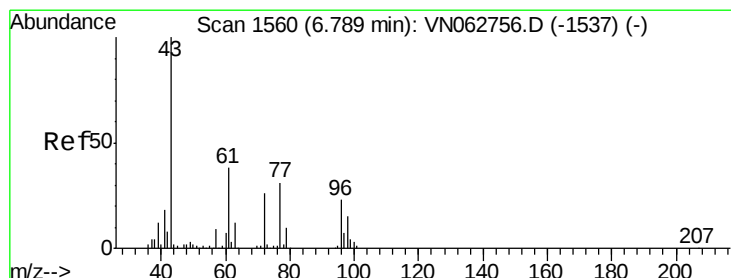
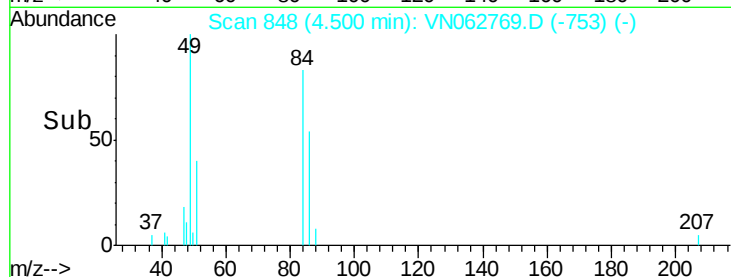
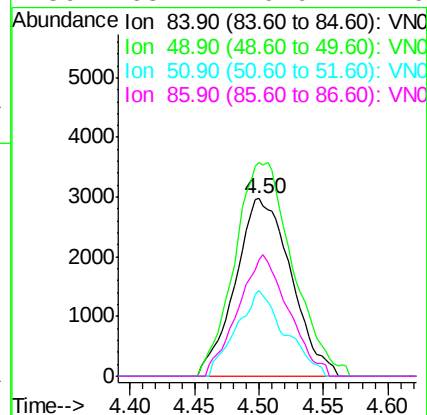
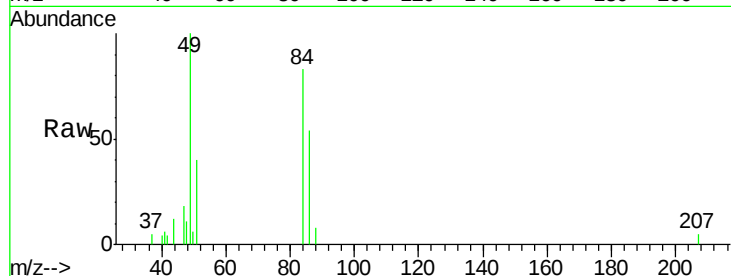




#20
Methylene Chloride
Concen: 5.410 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN062769.D
Acq: 6 Aug 2020 16:18

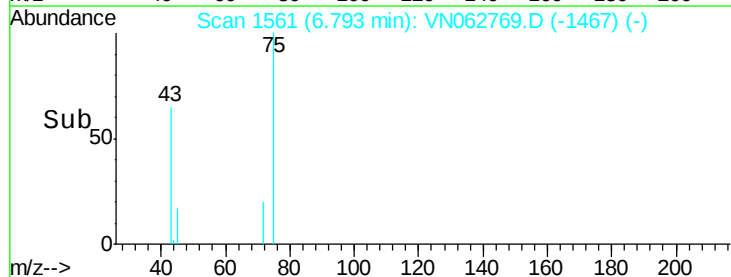
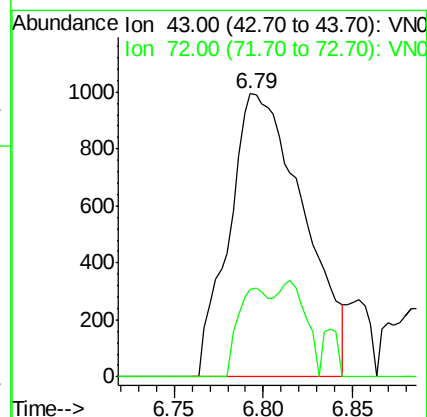
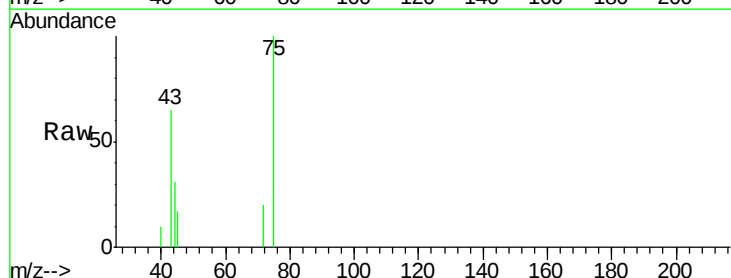
Instrument :
MSVOA_N
ClientSampleId :
PB130737ZHE#11

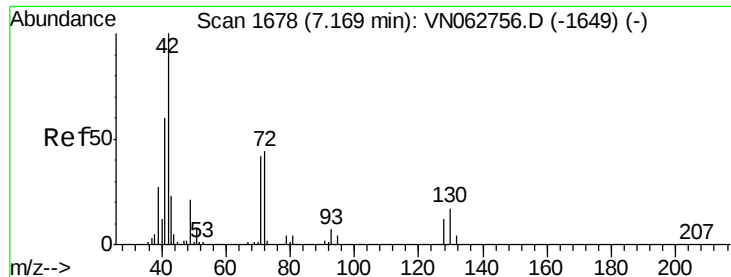
Tot Ion: 84 Resp: 8991
Ion Ratio Lower Upper
84 100
49 120.1 103.4 155.2
51 48.2 29.3 43.9#
86 65.4 49.9 74.9



#25
2-Butanone
Concen: 2.519 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. 0.00 min
Lab File: VN062769.D
Acq: 6 Aug 2020 16:18

Tgt Ion: 43 Resp: 2879
Ion Ratio Lower Upper
43 100
72 30.8 21.1 31.7





#29

Tetrahydrofuran

Concen: 0.209 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN062769.D

Acq: 6 Aug 2020 16:18

Instrument :

MSVOA_N

ClientSampleId :

PB130737ZHE#11

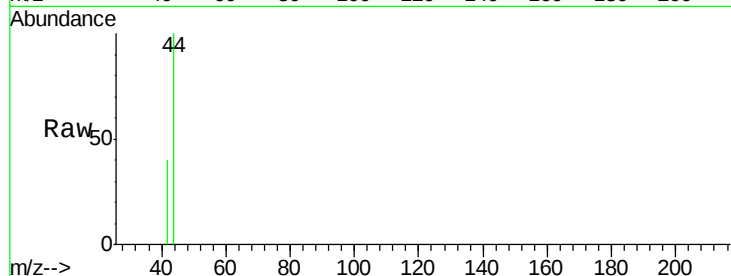
Tot Ion: 42 Resp: 155

Ion Ratio Lower Upper

42 100

72 0.0 35.0 52.4#

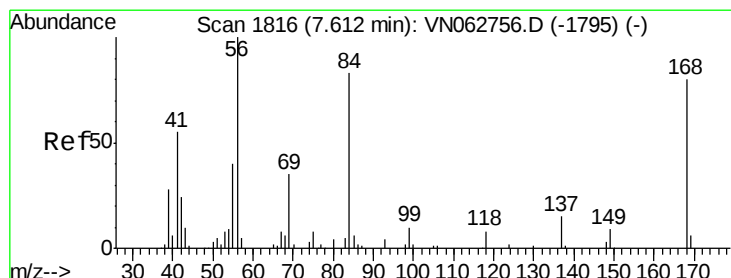
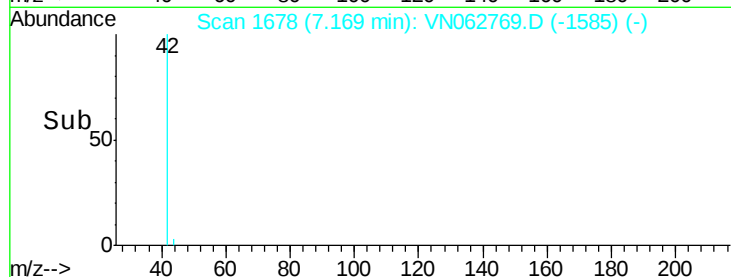
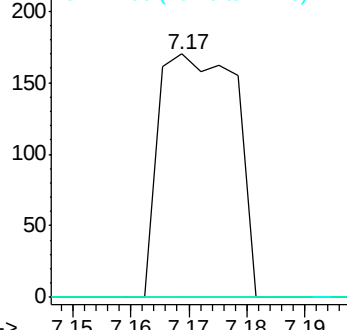
71 0.0 33.2 49.8#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 1.180 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN062769.D

Acq: 6 Aug 2020 16:18

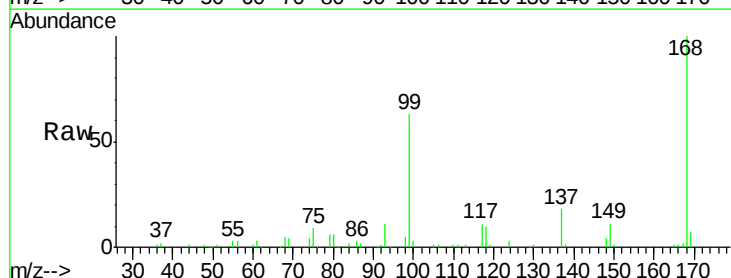
Tgt Ion: 56 Resp: 3196

Ion Ratio Lower Upper

56 100

69 147.9 28.1 42.1#

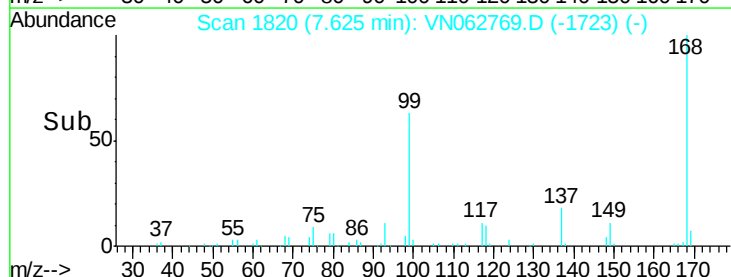
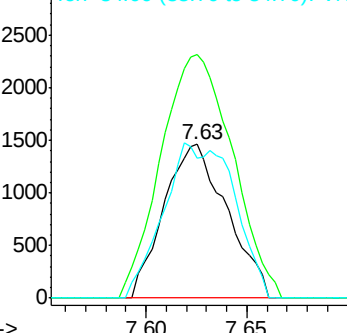
84 91.1 66.8 100.2

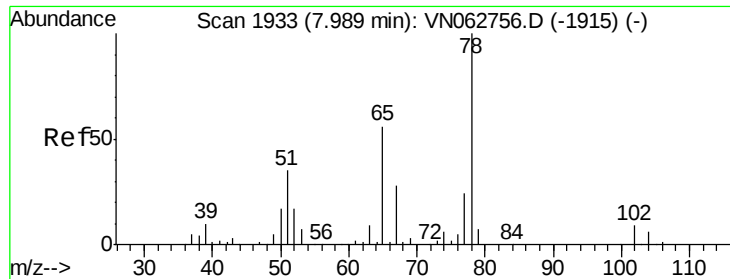


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

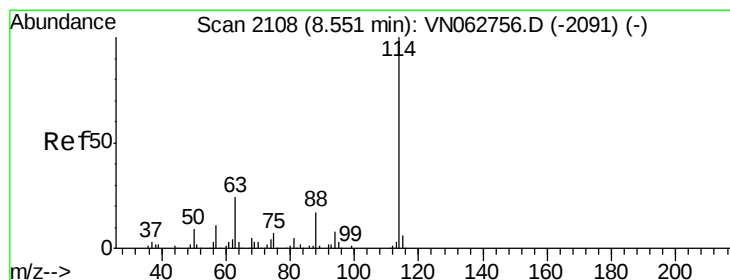
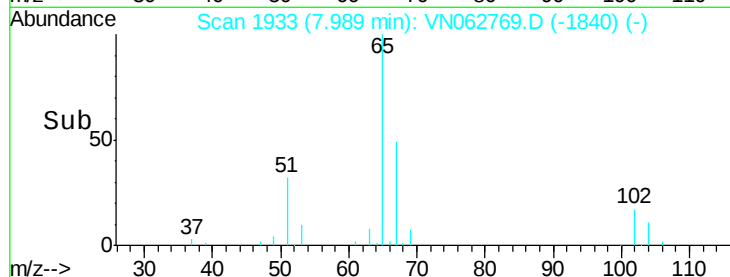
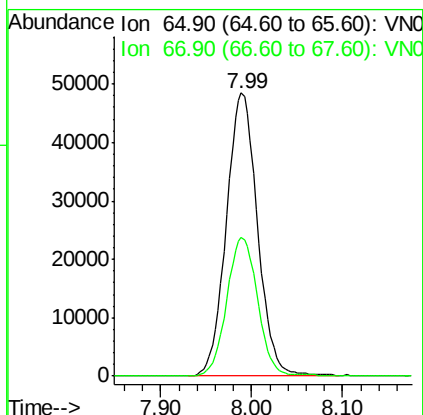
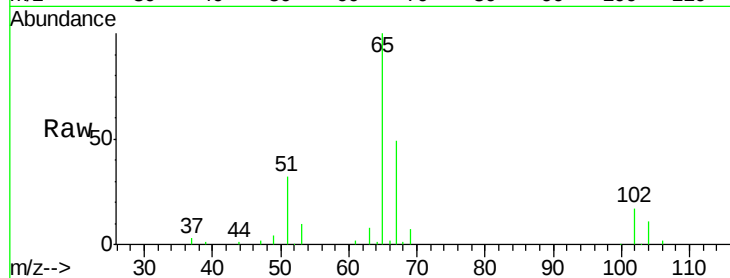




#33
 1,2-Dichloroethane-d4
 Concen: 51.613 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062769.D
 Acq: 6 Aug 2020 16:18

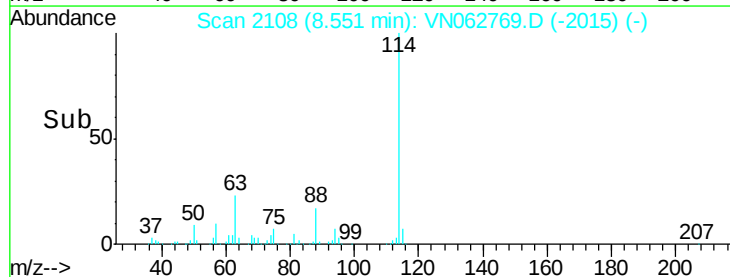
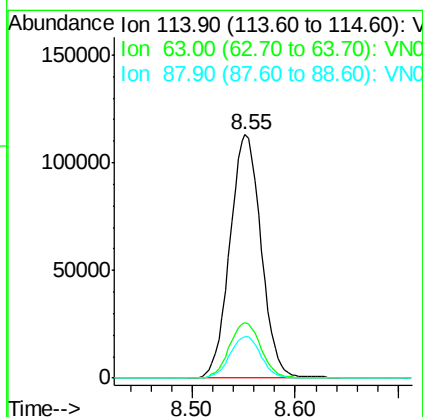
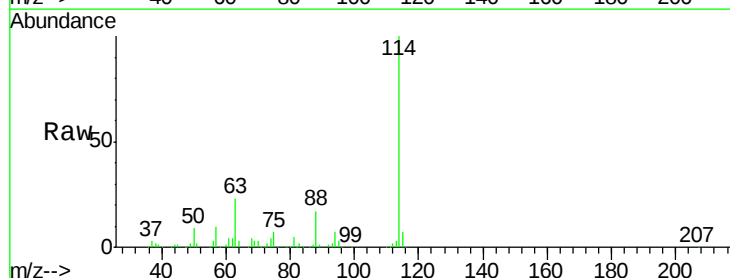
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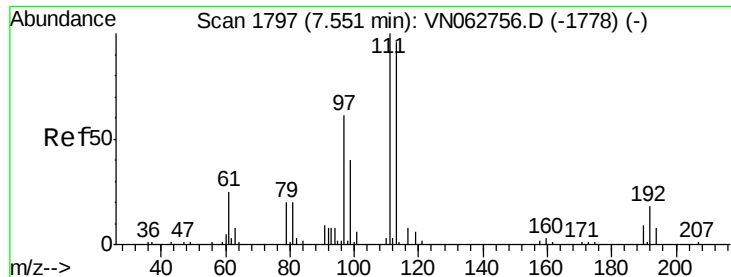
Tot Ion: 65 Resp: 115271
 Ion Ratio Lower Upper
 65 100
 67 48.3 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062769.D
 Acq: 6 Aug 2020 16:18

Tgt Ion: 114 Resp: 238511
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 47.6
 88 17.2 0.0 34.4

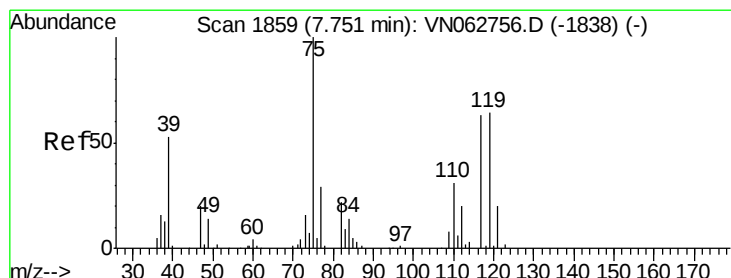
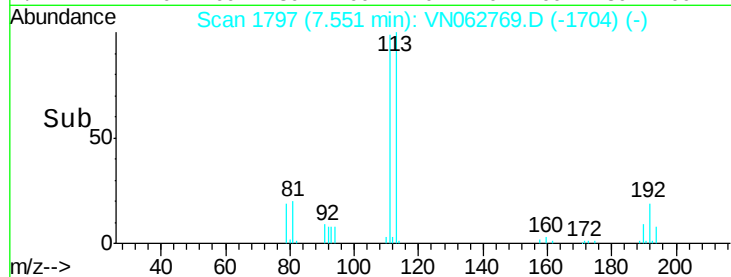
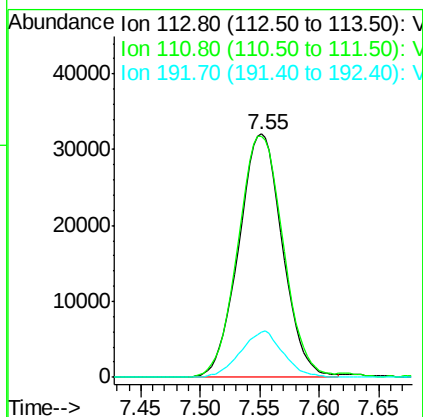
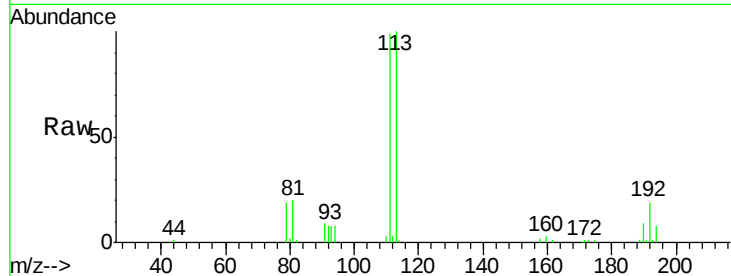




#35
 Dibromofluoromethane
 Concen: 49.979 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062769.D
 Acq: 6 Aug 2020 16:18

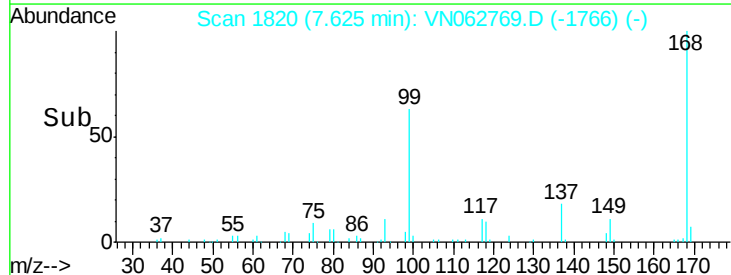
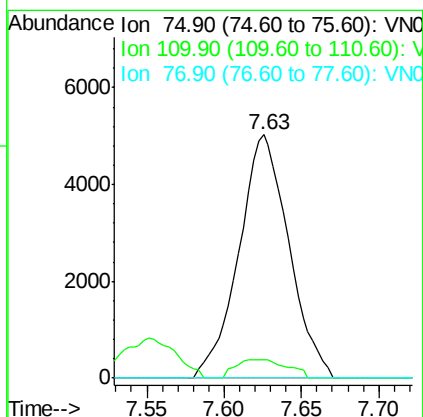
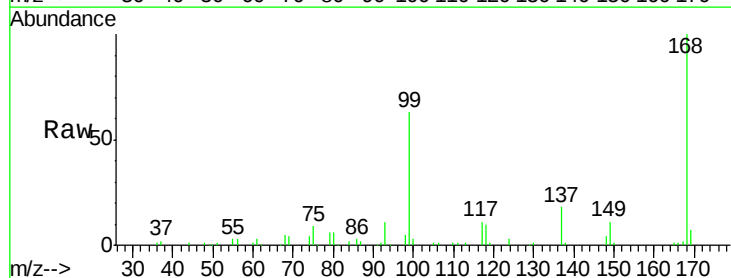
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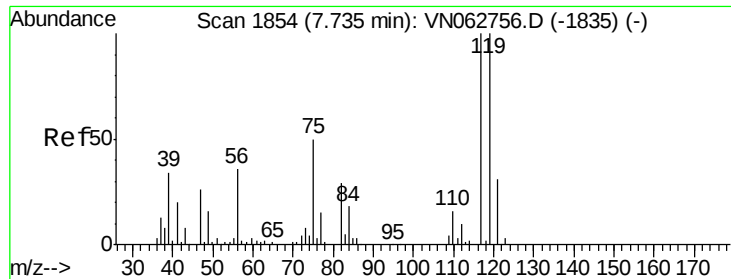
Tot Ion:113 Resp: 81543
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.8 122.6
 192 18.6 15.0 22.4



#36
 1,1-Dichloropropene
 Concen: 4.862 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062769.D
 Acq: 6 Aug 2020 16:18

Tgt Ion: 75 Resp: 11292
 Ion Ratio Lower Upper
 75 100
 110 7.7 15.6 46.7#
 77 0.0 24.1 36.1#

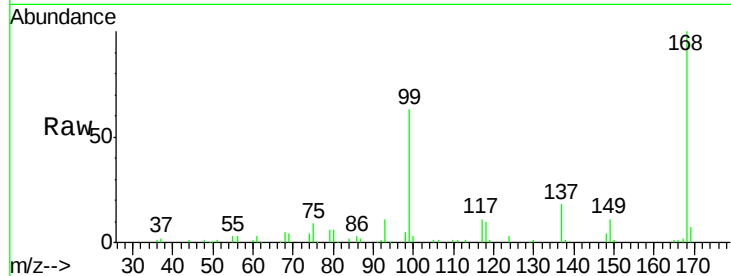




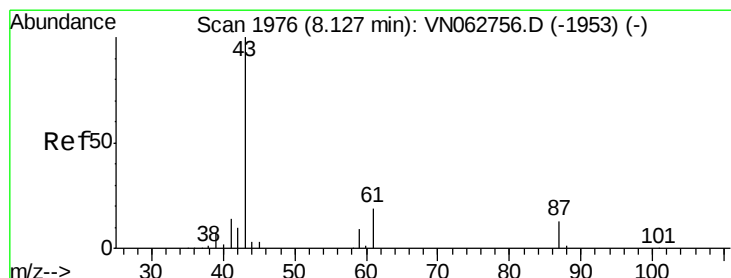
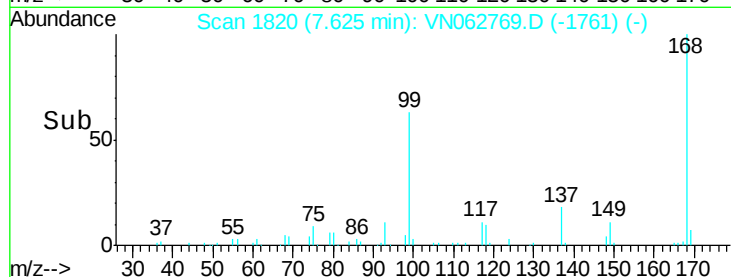
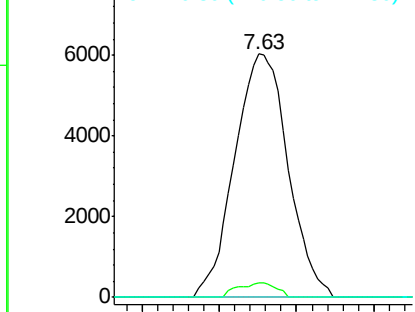
#38
Carbon Tetrachloride
Concen: 5.267 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.11 min
Lab File: VN062769.D
Acq: 6 Aug 2020 16:18

Instrument :
MSVOA_N
ClientSampleId :
PB130737ZHE#11

Tot Ion:117 Resp: 14468
Ion Ratio Lower Upper
117 100
119 5.9 79.4 119.2#
121 0.0 24.9 37.3#

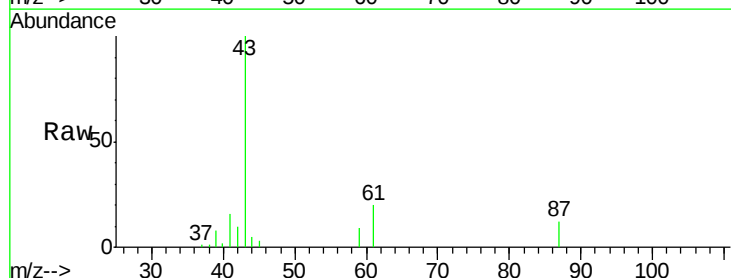


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

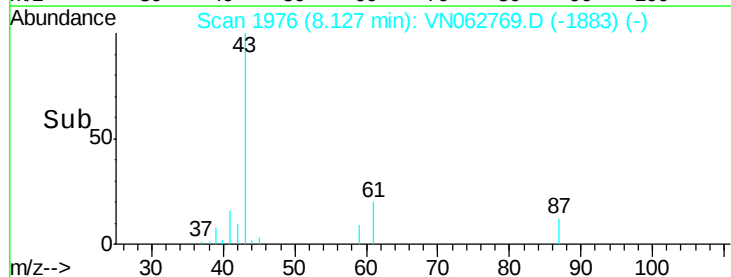
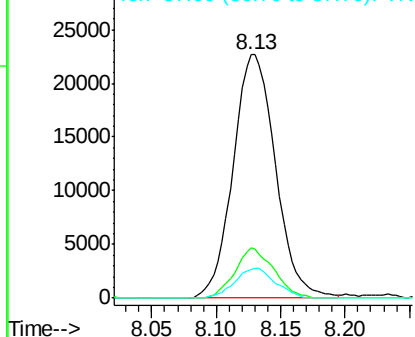


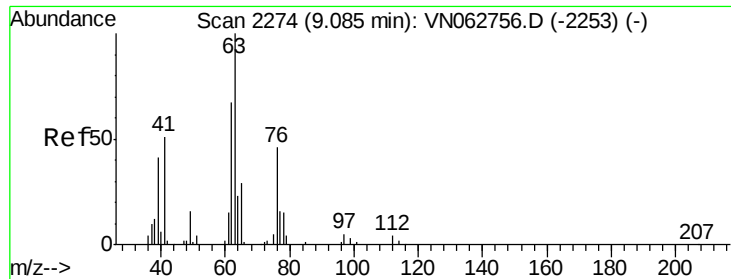
#43
Isopropyl Acetate
Concen: 12.835 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN062769.D
Acq: 6 Aug 2020 16:18

Tgt Ion: 43 Resp: 51935
Ion Ratio Lower Upper
43 100
61 18.8 15.8 23.6
87 11.6 9.9 14.9



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: 0.617 ug/l

RT: 9.24 min Scan# 2321

Delta R.T. 0.15 min

Lab File: VN062769.D

Acq: 6 Aug 2020 16:18

Instrument :

MSVOA_N

ClientSampleId :

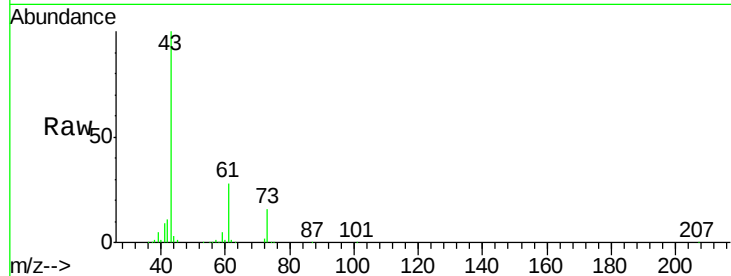
PB130737ZHE#11

Tot Ion: 63 Resp: 1158

Ion Ratio Lower Upper

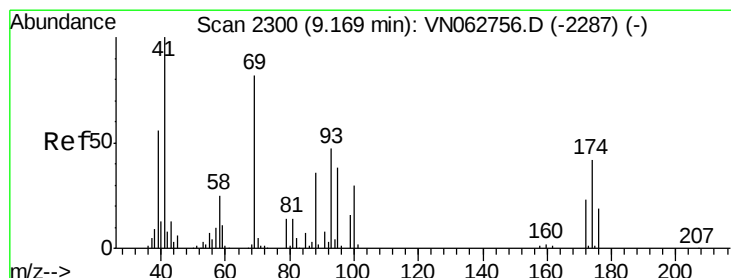
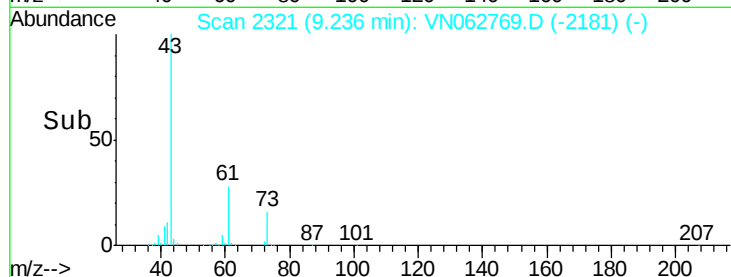
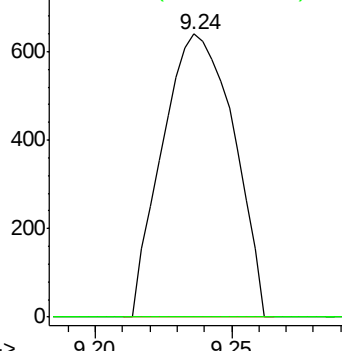
63 100

65 0.0 23.5 35.3#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#48

Methyl methacrylate

Concen: 1.536 ug/l

RT: 9.15 min Scan# 2293

Delta R.T. -0.02 min

Lab File: VN062769.D

Acq: 6 Aug 2020 16:18

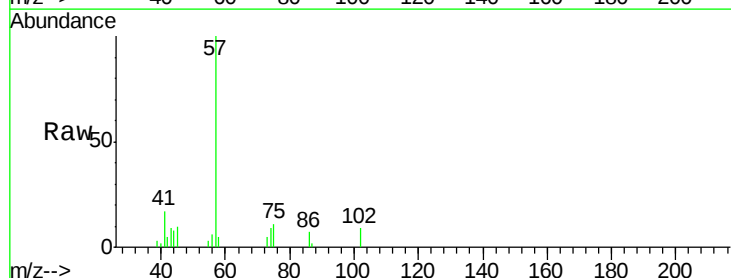
Tgt Ion: 41 Resp: 3058

Ion Ratio Lower Upper

41 100

69 0.0 67.4 101.2#

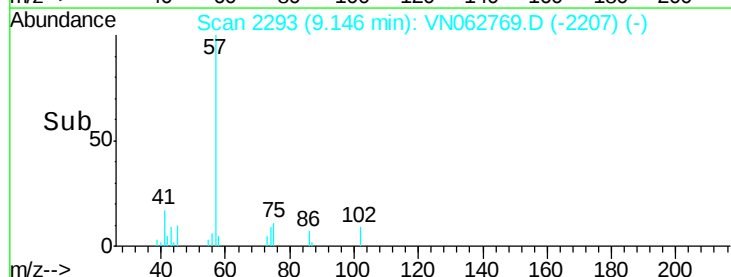
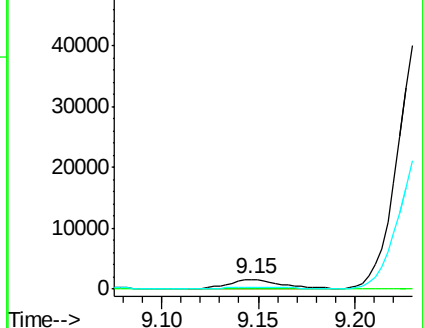
39 0.0 47.6 71.4#

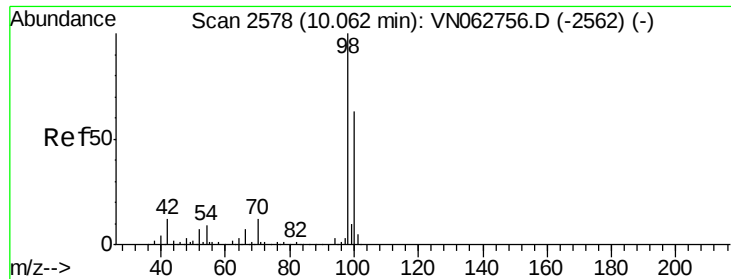


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#50

Toluene-d8

Concen: 50.506 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.00 min

Lab File: VN062769.D

Acq: 6 Aug 2020 16:18

Instrument :

MSVOA_N

ClientSampleId :

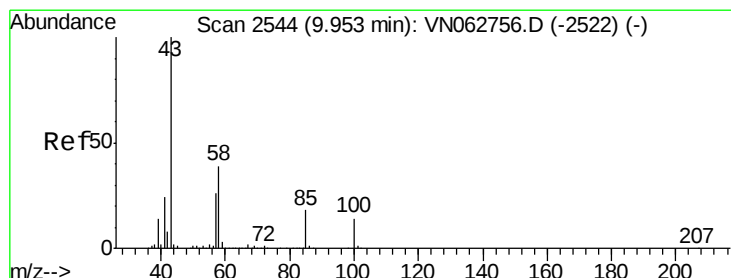
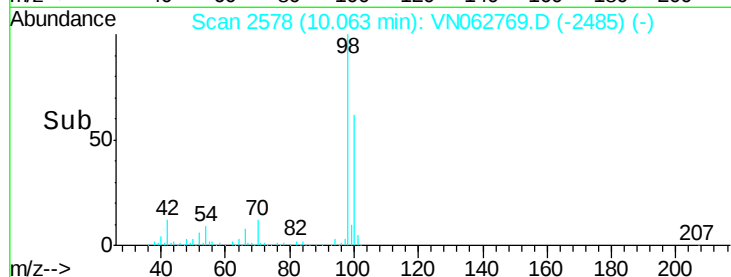
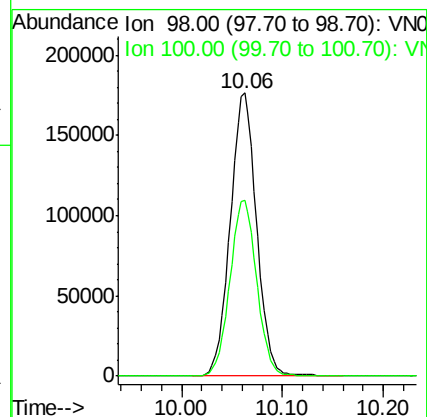
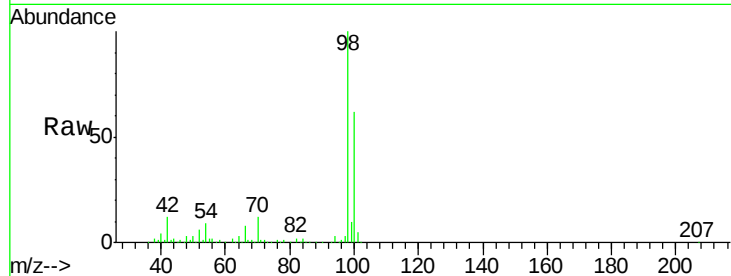
PB130737ZHE#11

Tot Ion: 98 Resp: 321705

Ion Ratio Lower Upper

98 100

100 63.3 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 2.388 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062769.D

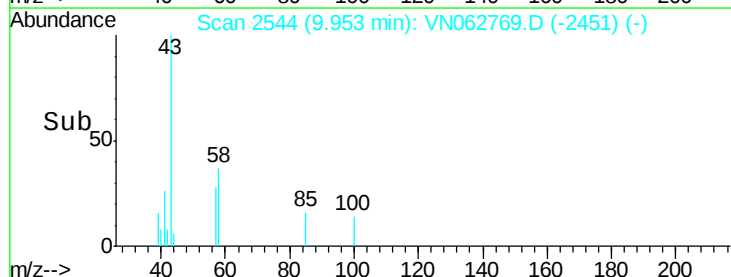
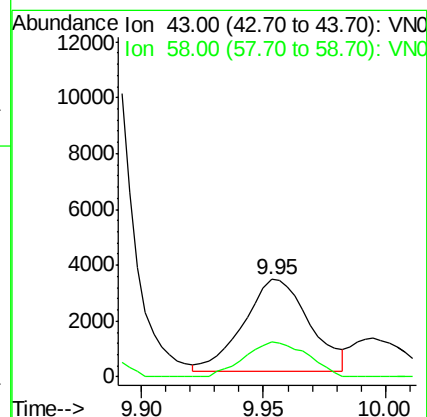
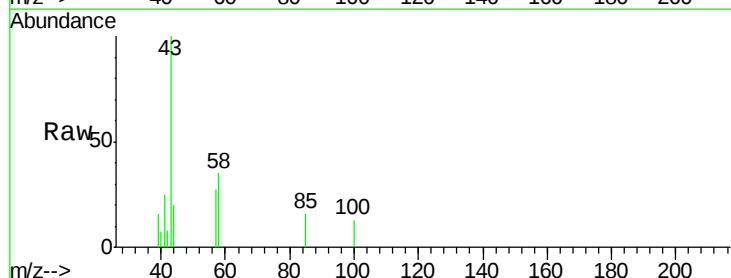
Acq: 6 Aug 2020 16:18

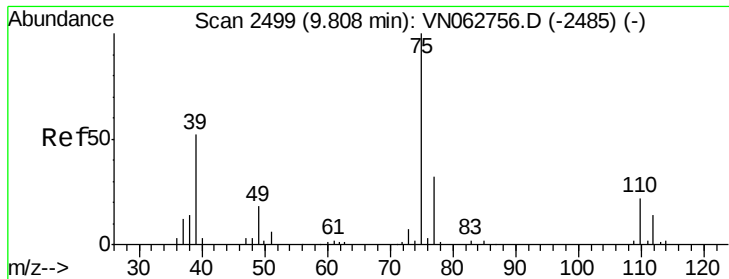
Tgt Ion: 43 Resp: 6253

Ion Ratio Lower Upper

43 100

58 36.1 31.1 46.7

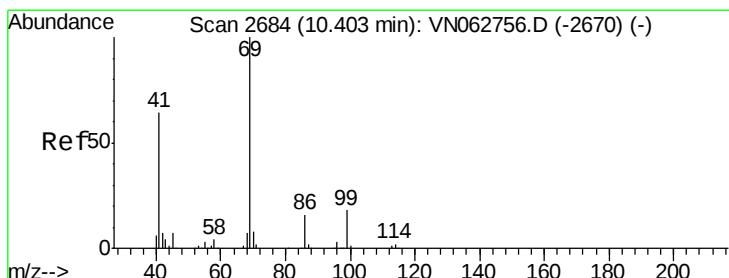
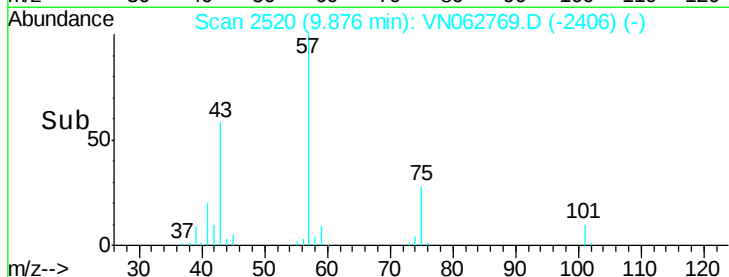
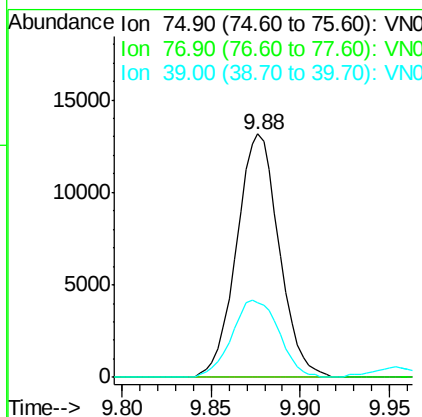
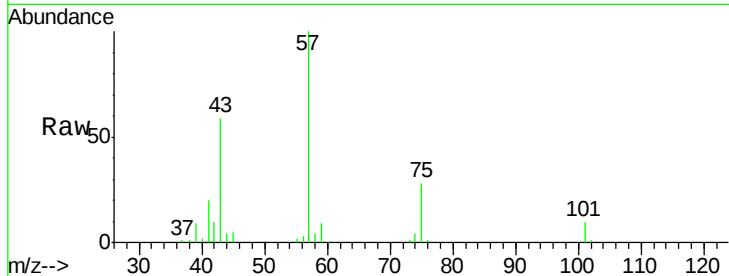




#54
 cis-1,3-Dichloropropene
 Concen: 7.192 ug/l
 RT: 9.88 min Scan# 2520
 Delta R.T. 0.07 min
 Lab File: VN062769.D
 Acq: 6 Aug 2020 16:18

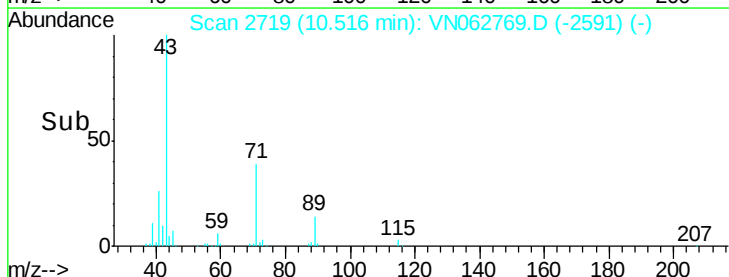
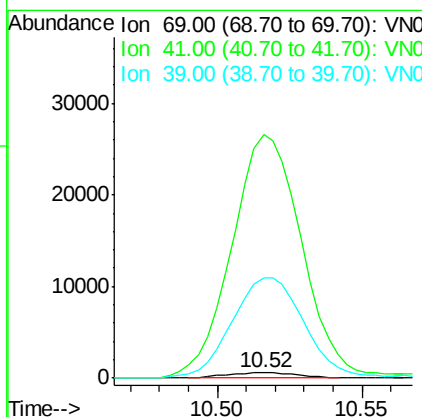
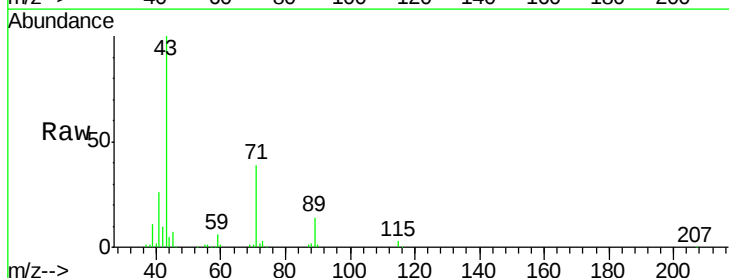
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130737ZHE#11

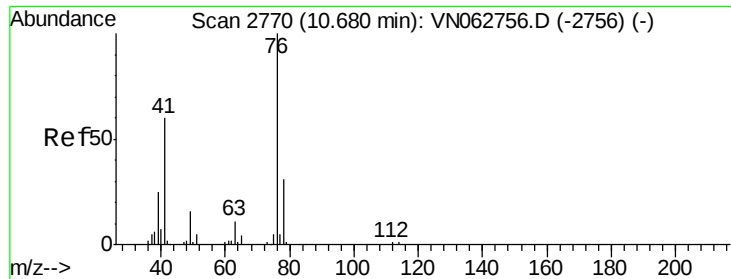
Tot Ion: 75 Resp: 21922
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#
 39 30.9 41.9 62.9#



#56
 Ethyl methacrylate
 Concen: 0.372 ug/l
 RT: 10.52 min Scan# 2719
 Delta R.T. 0.11 min
 Lab File: VN062769.D
 Acq: 6 Aug 2020 16:18

Tgt Ion: 69 Resp: 1024
 Ion Ratio Lower Upper
 69 100
 41 4396.1 52.2 78.2#
 39 1852.8 30.9 46.3#

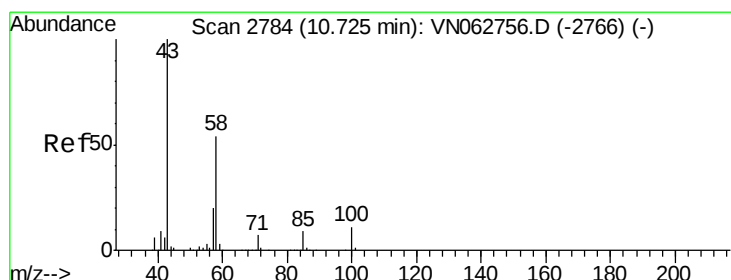
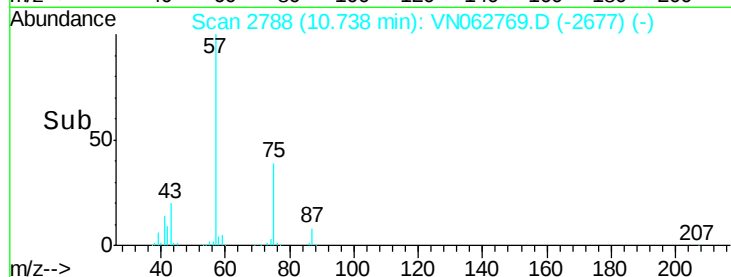
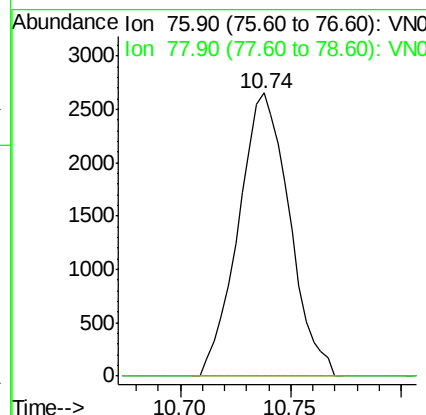
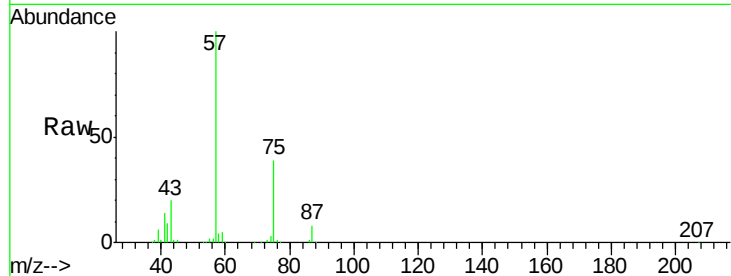




#57
 1,3-Dichloropropane
 Concen: 1.375 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.06 min
 Lab File: VN062769.D
 Acq: 6 Aug 2020 16:18

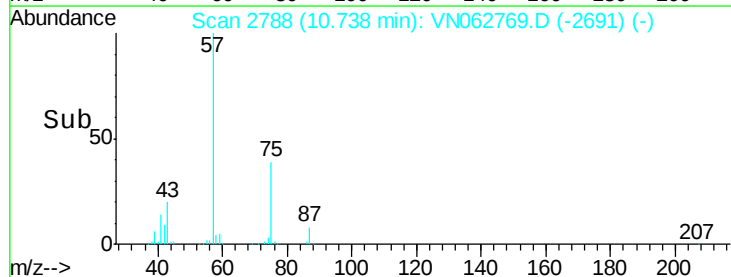
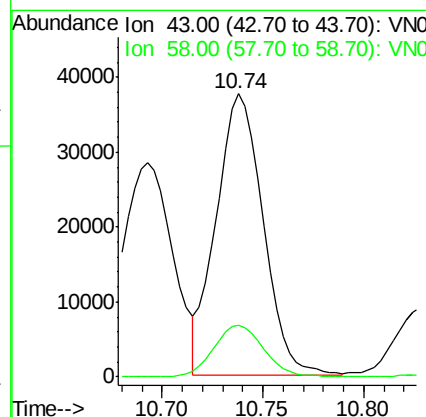
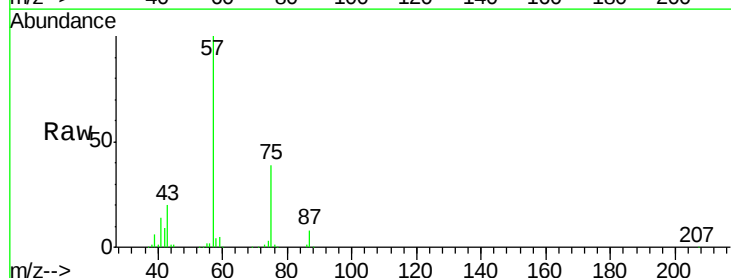
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130737ZHE#11

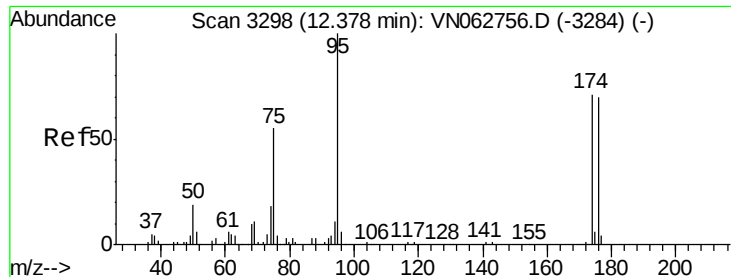
Tot Ion: 76 Resp: 4268
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.4 38.0#



#59
 2-Hexanone
 Concen: 31.123 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.01 min
 Lab File: VN062769.D
 Acq: 6 Aug 2020 16:18

Tgt Ion: 43 Resp: 60782
 Ion Ratio Lower Upper
 43 100
 58 19.4 26.7 80.1#





#62

4-Bromofluorobenzene

Concen: 48.374 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062769.D

Acq: 6 Aug 2020 16:18

Instrument :

MSVOA_N

ClientSampleId :

PB130737ZHE#11

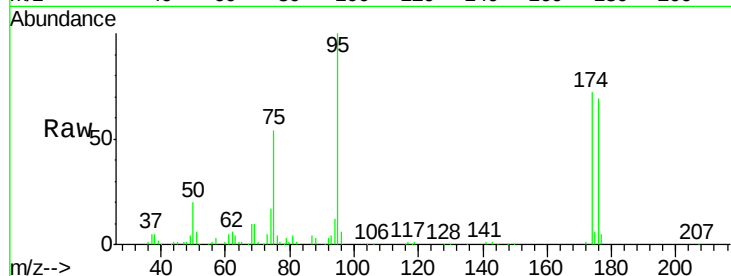
Tot Ion: 95 Resp: 116442

Ion Ratio Lower Upper

95 100

174 72.2 0.0 144.8

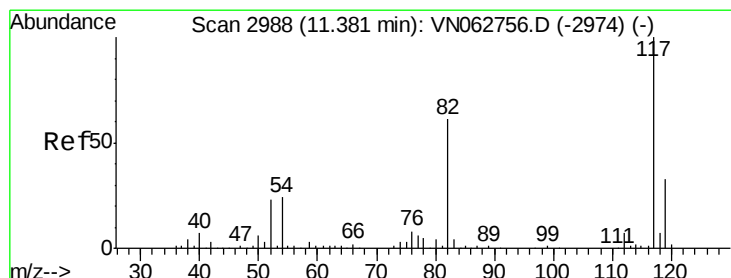
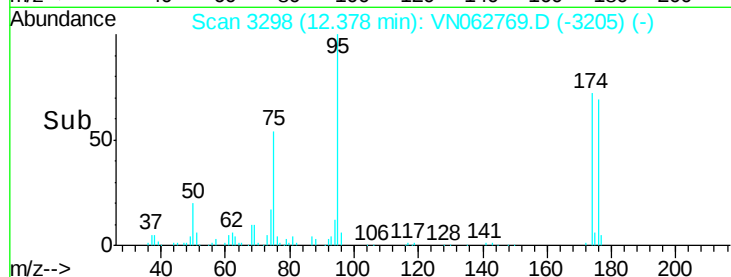
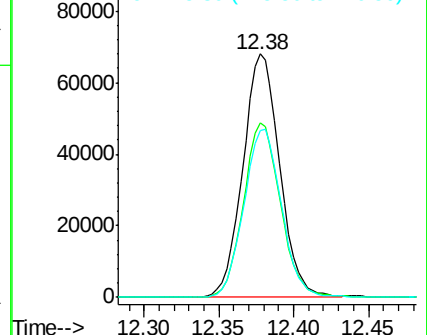
176 70.7 0.0 142.2



Abundance Ion 94.90 (94.60 to 95.60): VN062769.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN062769.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN062769.D (-3205) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN062769.D

Acq: 6 Aug 2020 16:18

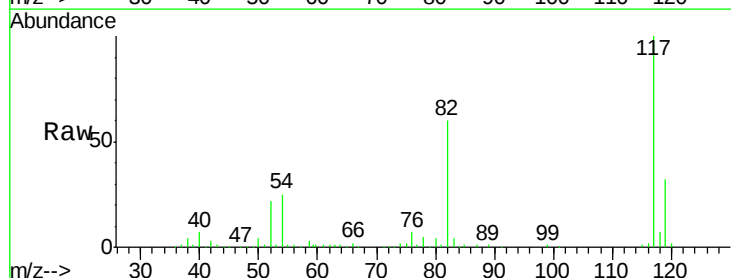
Tgt Ion: 117 Resp: 248892

Ion Ratio Lower Upper

117 100

82 59.9 49.0 73.4

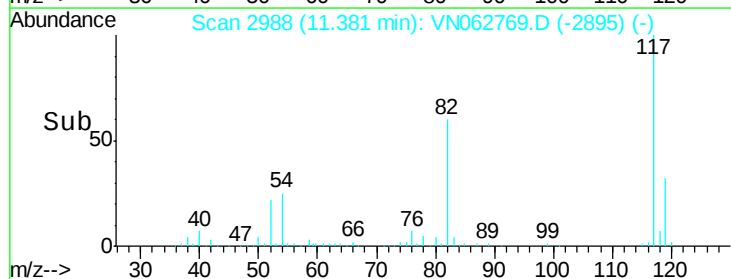
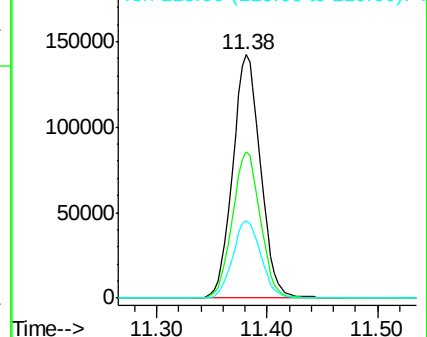
119 31.6 26.2 39.2

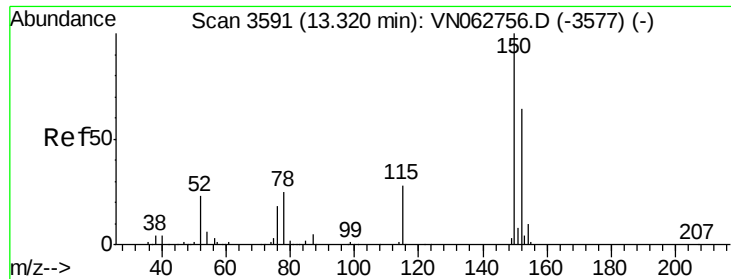


Abundance Ion 116.90 (116.60 to 117.60): VN062769.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN062769.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062769.D (-2895) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062769.D

Acq: 6 Aug 2020 16:18

Instrument :

MSVOA_N

ClientSampleId :

PB130737ZHE#11

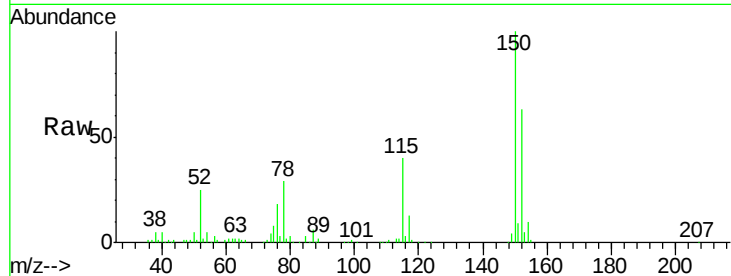
Tot Ion:152 Resp: 86311

Ion Ratio Lower Upper

152 100

115 65.0 31.6 94.8

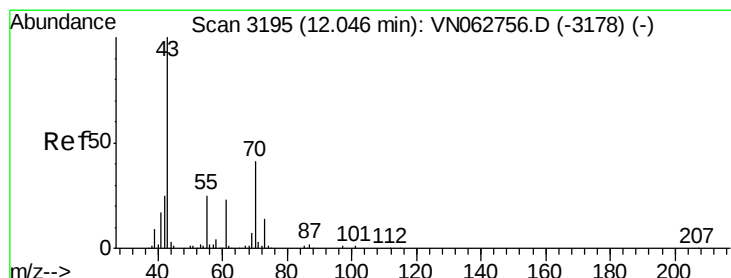
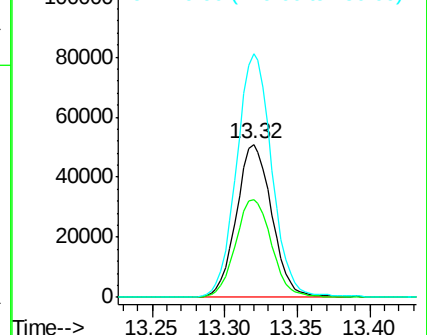
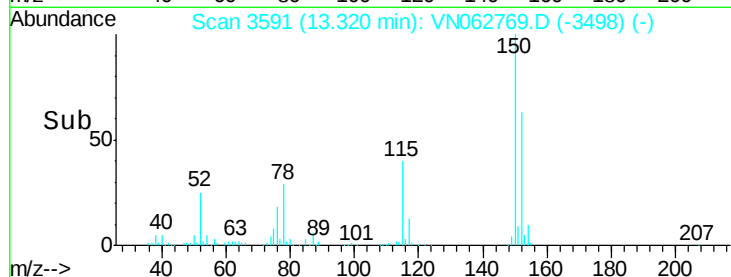
150 159.3 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 0.688 ug/l

RT: 12.01 min Scan# 3185

Delta R.T. -0.03 min

Lab File: VN062769.D

Acq: 6 Aug 2020 16:18

Tgt Ion: 43 Resp: 1812

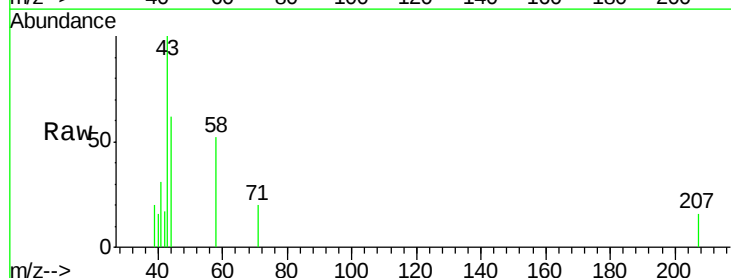
Ion Ratio Lower Upper

43 100

70 0.0 32.3 48.5#

55 0.0 20.2 30.2#

61 0.0 18.2 27.4#

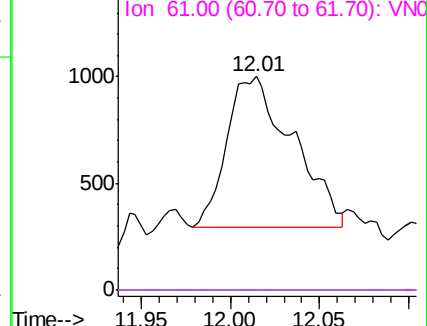
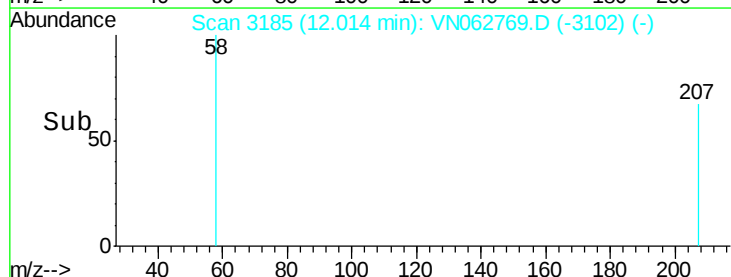


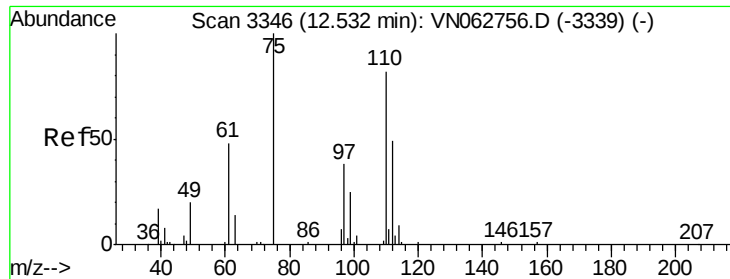
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 26.999 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062769.D

Acq: 6 Aug 2020 16:18

Instrument :

MSVOA_N

ClientSampleId :

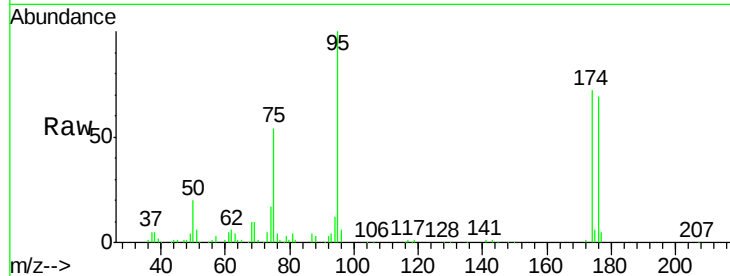
PB130737ZHE#11

Tot Ion: 75 Resp: 62846

Ion Ratio Lower Upper

75 100

77 0.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN062756.D (-3339) (-)

Ion 77.00 (76.70 to 77.70): VN062756.D (-3339) (-)

12.38

40000

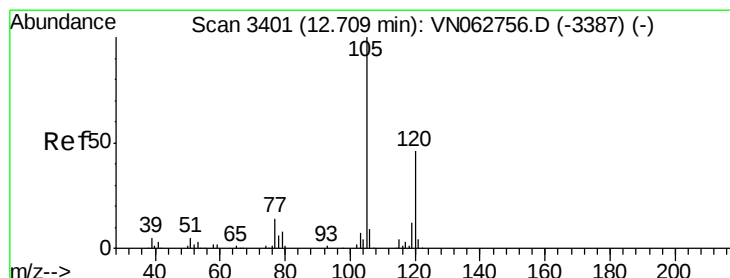
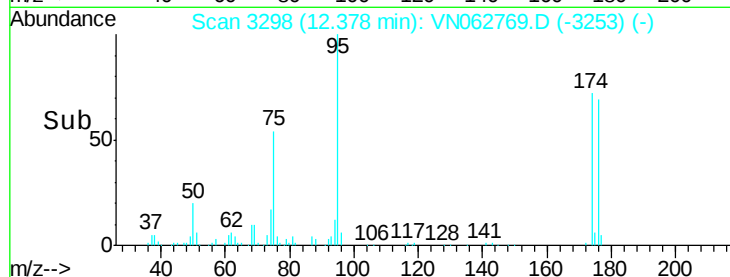
30000

20000

10000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.737 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062769.D

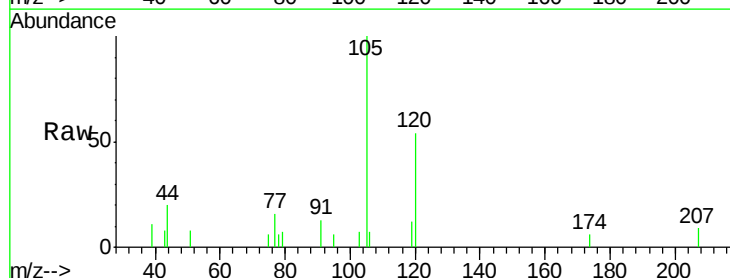
Acq: 6 Aug 2020 16:18

Tgt Ion: 105 Resp: 4154

Ion Ratio Lower Upper

105 100

120 52.6 22.9 68.5



Abundance Ion 105.00 (104.70 to 105.70): VN062756.D (-3387) (-)

Ion 120.00 (119.70 to 120.70): VN062756.D (-3387) (-)

12.71

3000

2500

2000

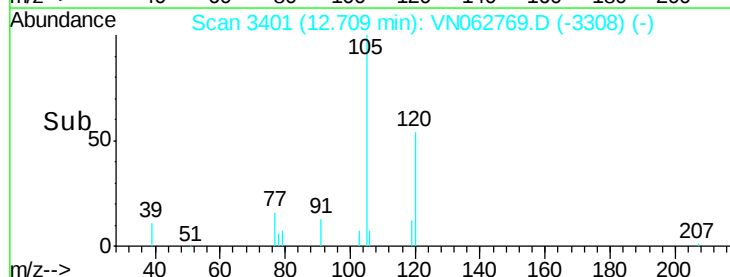
1500

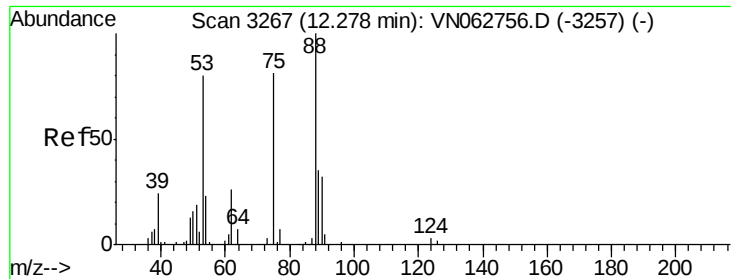
1000

500

0

Time-->

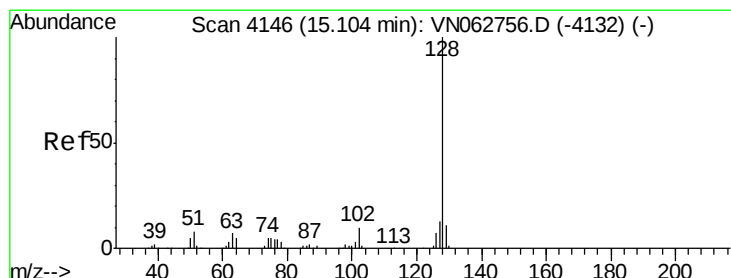
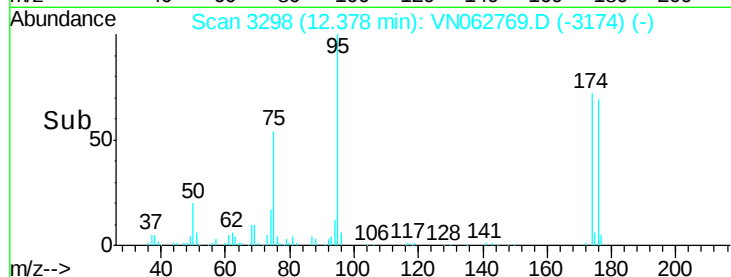
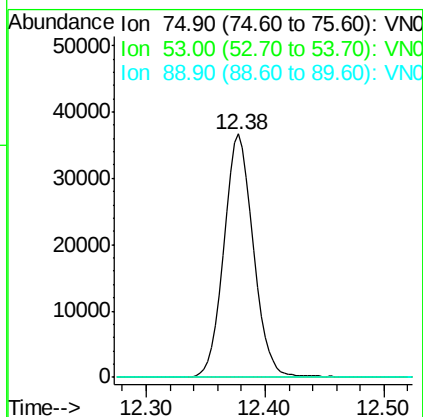
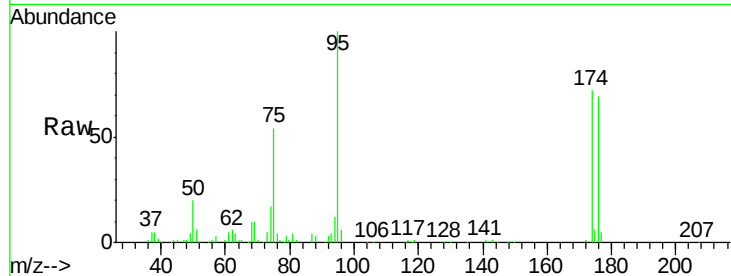




#81
trans-1,4-Dichloro-2-butene
Concen: 82.421 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.10 min
Lab File: VN062769.D
Acq: 6 Aug 2020 16:18

Instrument :
MSVOA_N
ClientSampleId :
PB130737ZHE#11

Tot Ion: 75 Resp: 62846
Ion Ratio Lower Upper
75 100
53 0.0 79.1 118.7#
89 0.0 36.2 54.2#



#95
Naphthalene
Concen: 3.793 ug/l
RT: 15.11 min Scan# 4148
Delta R.T. 0.01 min
Lab File: VN062769.D
Acq: 6 Aug 2020 16:18

Tgt Ion: 128 Resp: 363
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 0.0 8.8 13.2#

