

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080320\
 Data File : VN062736.D
 Acq On : 3 Aug 2020 15:25
 Operator : JC/MD
 Sample : L3539-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 I-LGC-5

Quant Time: Aug 04 07:53:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	128531	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	224444	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	224135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	89005	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	111160	55.67	ug/l	0.00
Spiked Amount			Recovery	=	111.34%	
35) Dibromofluoromethane	7.55	113	76085	51.61	ug/l	0.00
Spiked Amount			Recovery	=	103.22%	
50) Toluene-d8	10.06	98	300365	51.06	ug/l	0.00
Spiked Amount			Recovery	=	102.12%	
62) 4-Bromofluorobenzene	12.38	95	107196	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	

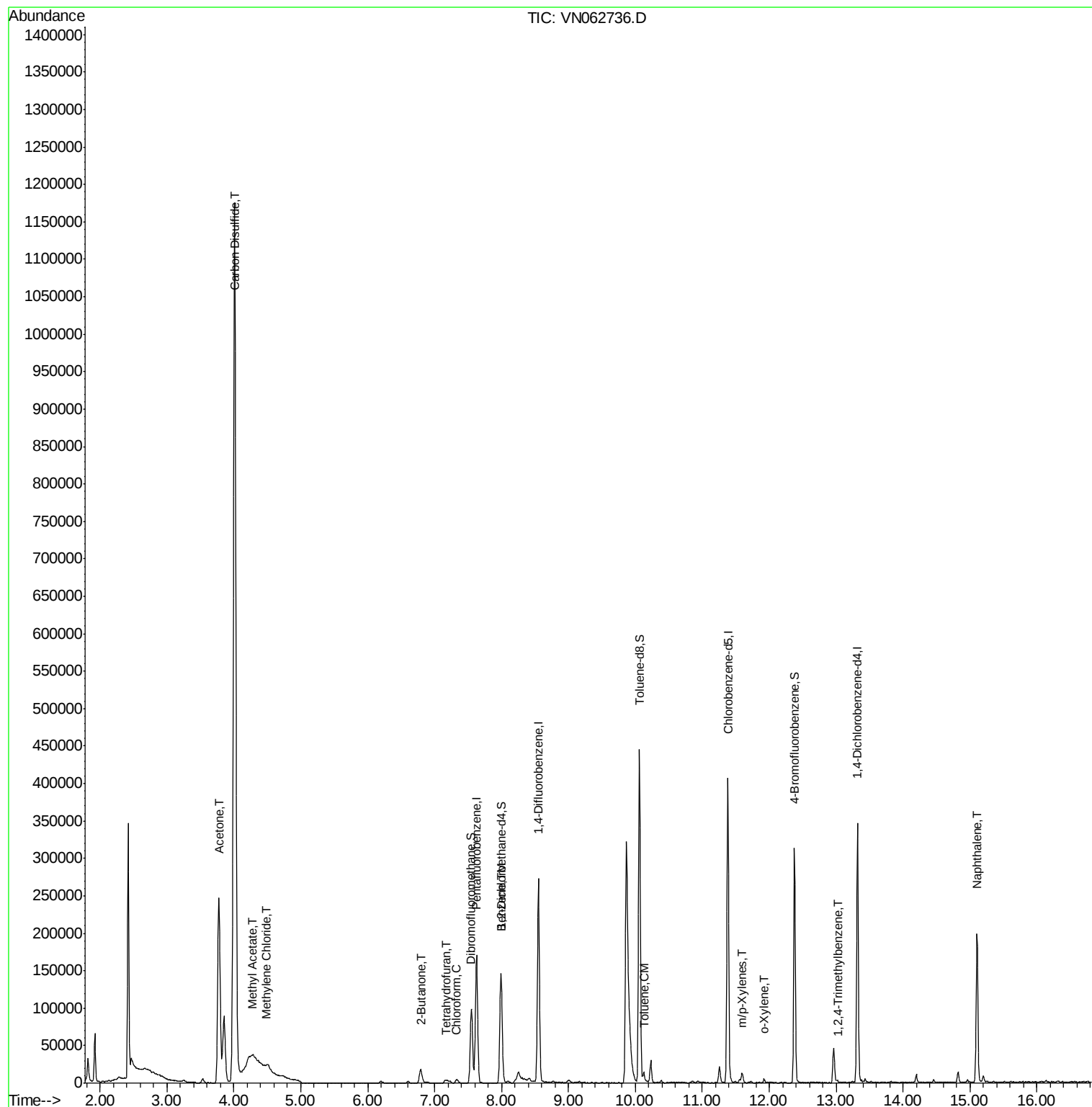
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.77	43	414087	551.116	ug/l	97
17) Carbon Disulfide	4.01	76	2249134	497.392	ug/l	100
18) Methyl Acetate	4.28	43	2932	1.541	ug/l #	68
20) Methylene Chloride	4.50	84	2317	1.286	ug/l	92
25) 2-Butanone	6.79	43	34110	29.809	ug/l	100
29) Tetrahydrofuran	7.18	42	2798	3.614	ug/l #	59
30) Chloroform	7.33	83	5157	1.702	ug/l	89
40) Benzene	8.00	78	41372	5.712	ug/l	98
52) Toluene	10.13	92	5352	1.273	ug/l	98
68) m/p-Xylenes	11.59	106	3237	1.045	ug/l	97
69) o-Xylene	11.92	106	1311	0.446	ug/l	68
84) 1,2,4-Trimethylbenzene	13.01	105	1884	0.329	ug/l	82
95) Naphthalene	15.11	128	168782	43.195	ug/l	99

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN062736.D

Acq: 3 Aug 2020 15:25

Instrument :

MSVOA_N

ClientSampled :

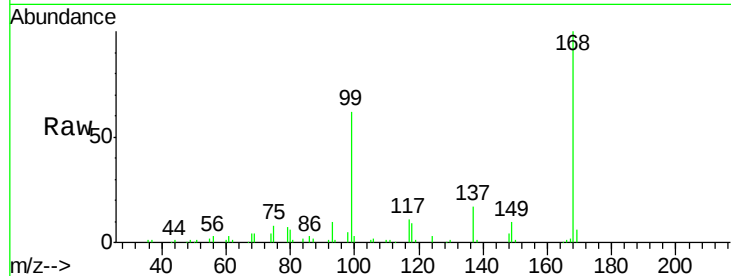
I-LGC-5

Tot Ion:168 Resp: 128531

Ion Ratio Lower Upper

168 100

99 62.2 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

60000

50000

40000

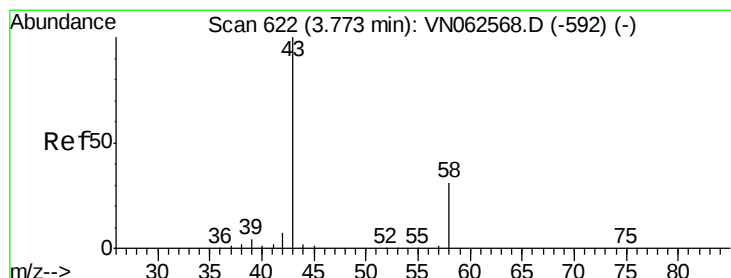
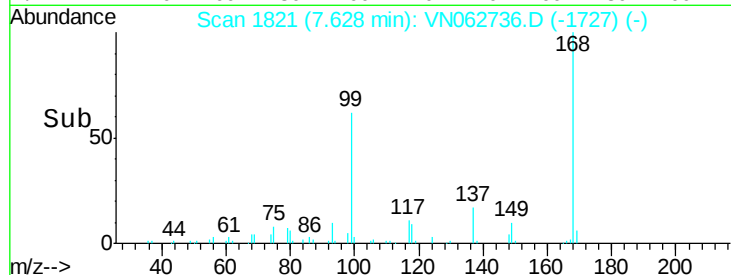
30000

20000

10000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 551.116 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.00 min

Lab File: VN062736.D

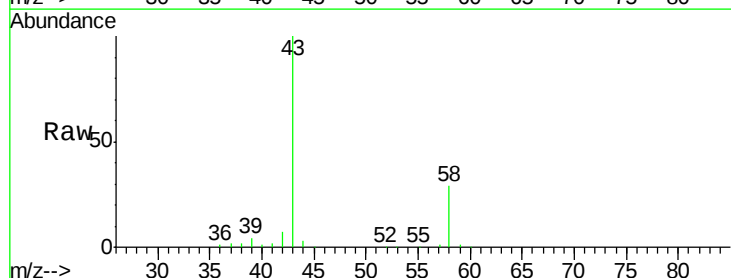
Acq: 3 Aug 2020 15:25

Tgt Ion: 43 Resp: 414087

Ion Ratio Lower Upper

43 100

58 29.4 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.77

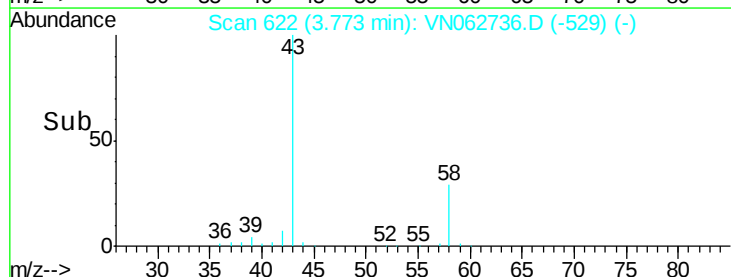
150000

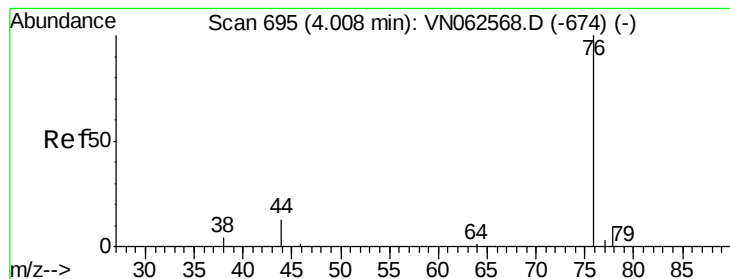
100000

50000

0

Time--> 3.70 3.80 3.90





#17

Carbon Disulfide

Concen: 497.392 ug/l

RT: 4.01 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN062736.D

Acq: 3 Aug 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

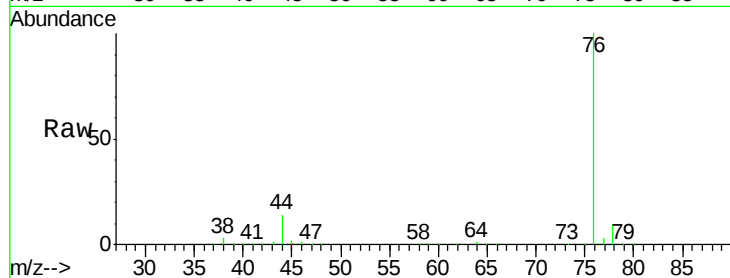
I-LGC-5

Tot Ion: 76 Resp: 2249134

Ion Ratio Lower Upper

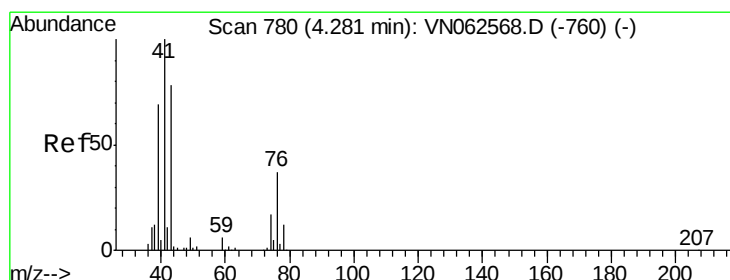
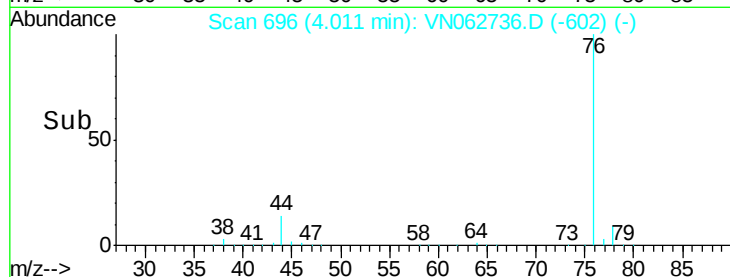
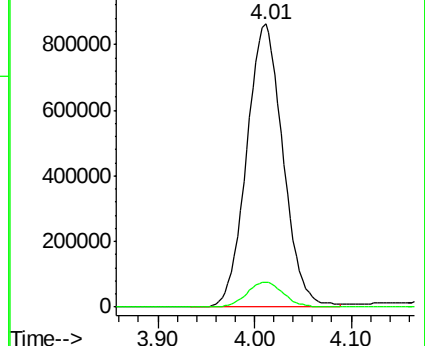
76 100

78 9.0 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN062736.D (-674) (-)

Ion 77.90 (77.60 to 78.60): VN062736.D (-674) (-)



#18

Methyl Acetate

Concen: 1.541 ug/l

RT: 4.28 min Scan# 779

Delta R.T. -0.00 min

Lab File: VN062736.D

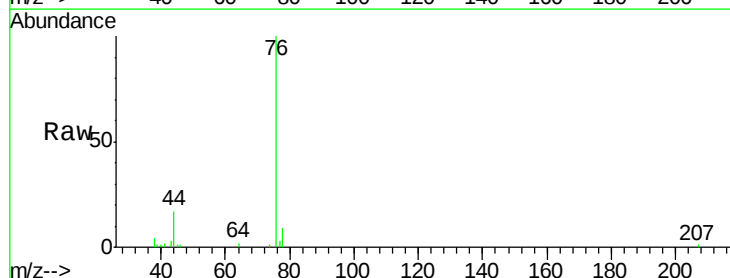
Acq: 3 Aug 2020 15:25

Tgt Ion: 43 Resp: 2932

Ion Ratio Lower Upper

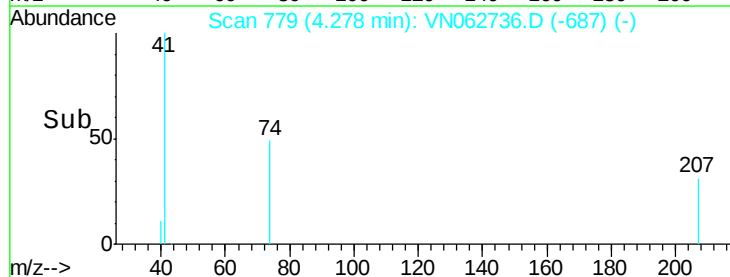
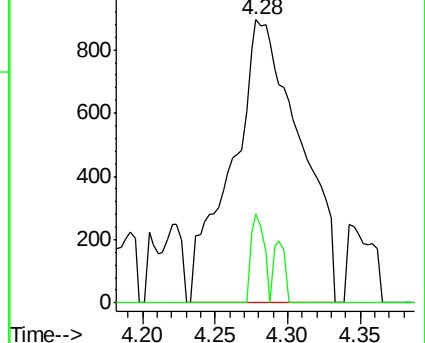
43 100

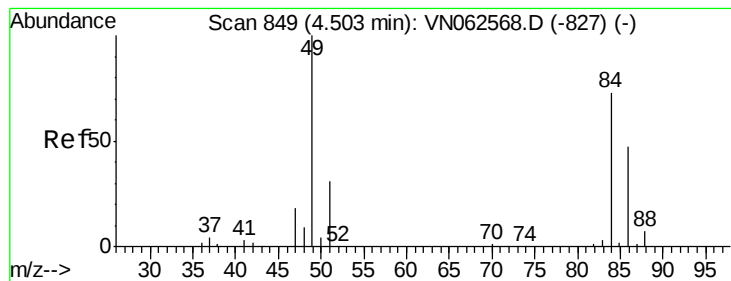
74 5.9 16.6 24.8#



Abundance Ion 43.00 (42.70 to 43.70): VN062736.D (-687) (-)

Ion 74.00 (73.70 to 74.70): VN062736.D (-687) (-)





#20

Methvlene Chloride

Concen: 1.286 ug/l

RT: 4.50 min Scan# 848

Delta R.T. -0.00 min

Lab File: VN062736.D

Acq: 3 Aug 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

I-LGC-5

Tot Ion: 84 Resp: 2317

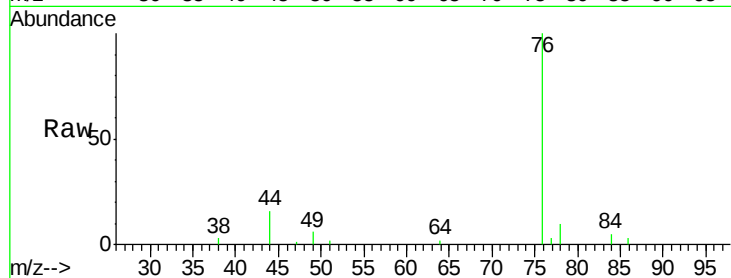
Ion Ratio Lower Upper

84 100

49 122.0 109.4 164.0

51 42.9 33.6 50.4

86 63.1 51.4 77.2

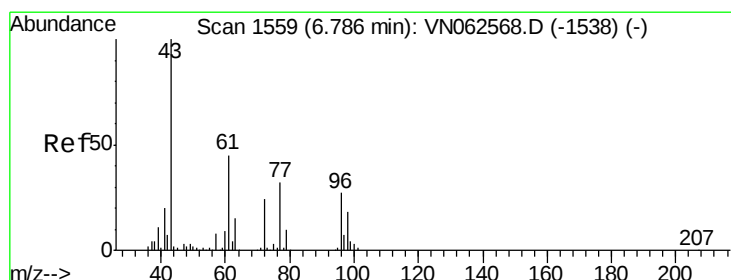
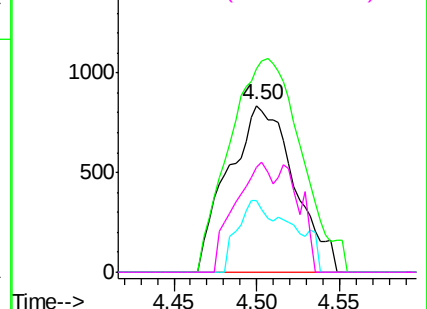
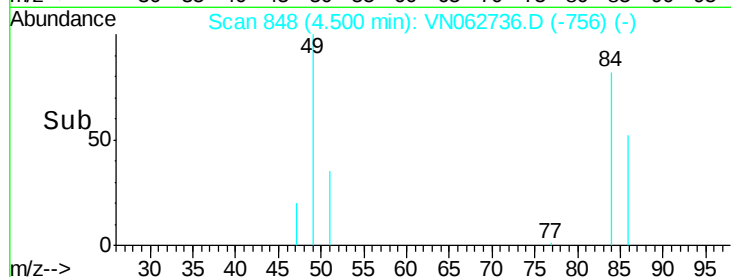


Abundance Ion 83.90 (83.60 to 84.60): VN0

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: 29.809 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. 0.01 min

Lab File: VN062736.D

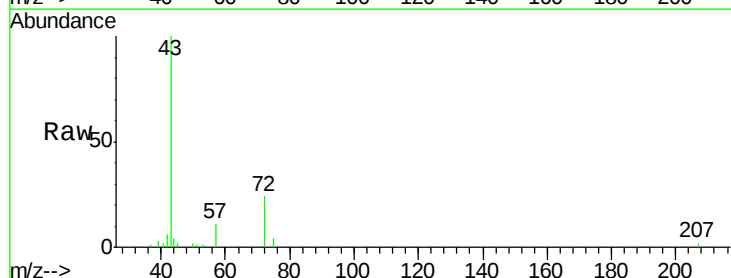
Acq: 3 Aug 2020 15:25

Tgt Ion: 43 Resp: 34110

Ion Ratio Lower Upper

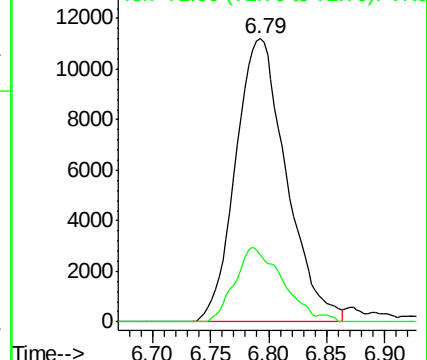
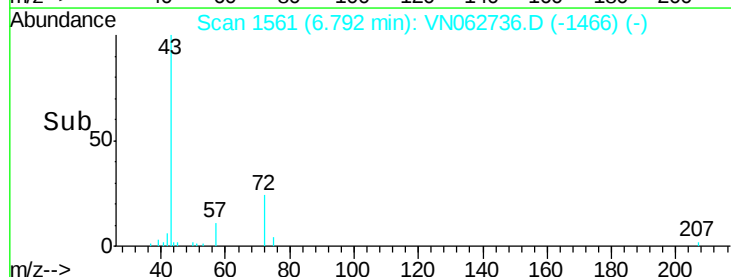
43 100

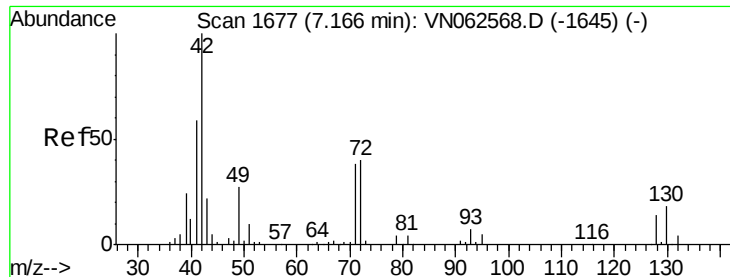
72 23.9 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#29

Tetrahydrofuran

Concen: 3.614 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.01 min

Lab File: VN062736.D

Acq: 3 Aug 2020 15:25

Instrument :

MSVOA_N

ClientSampled :

I-LGC-5

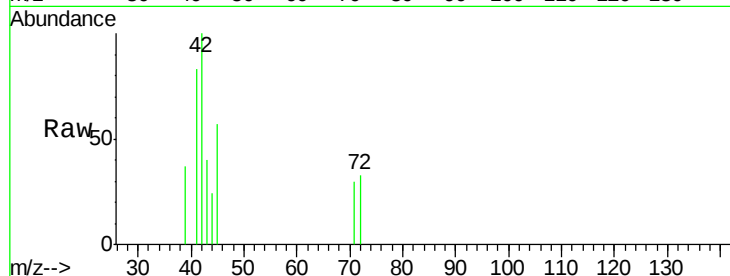
Tot Ion: 42 Resp: 2798

Ion Ratio Lower Upper

42 100

72 0.0 30.7 46.1#

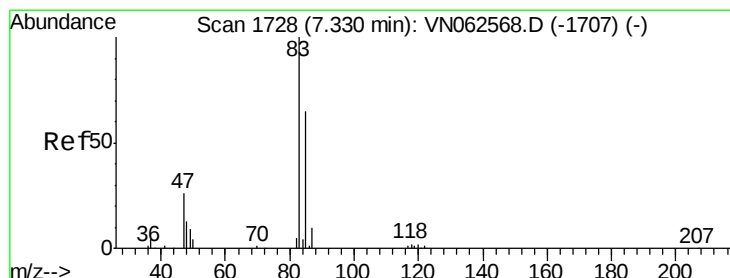
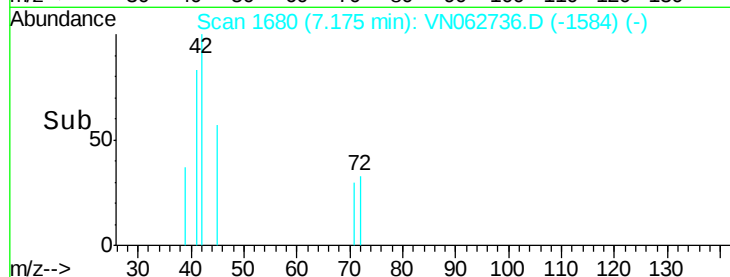
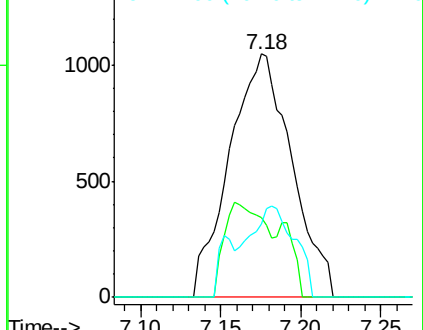
71 25.9 29.1 43.7#



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



#30

Chloroform

Concen: 1.702 ug/l

RT: 7.33 min Scan# 1729

Delta R.T. 0.00 min

Lab File: VN062736.D

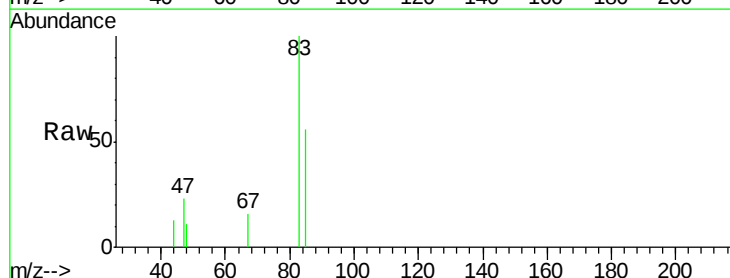
Acq: 3 Aug 2020 15:25

Tgt Ion: 83 Resp: 5157

Ion Ratio Lower Upper

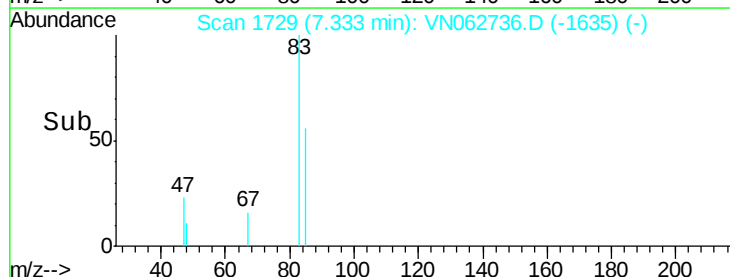
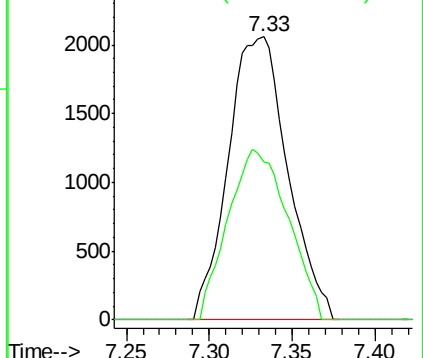
83 100

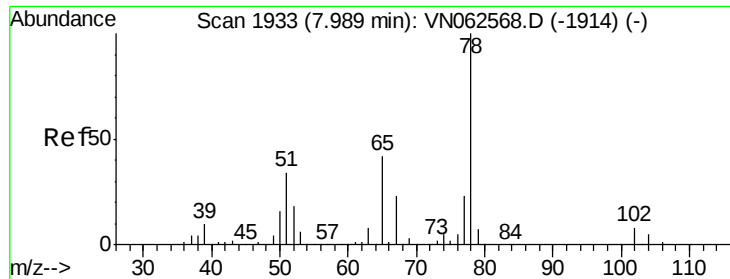
85 56.0 52.0 78.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

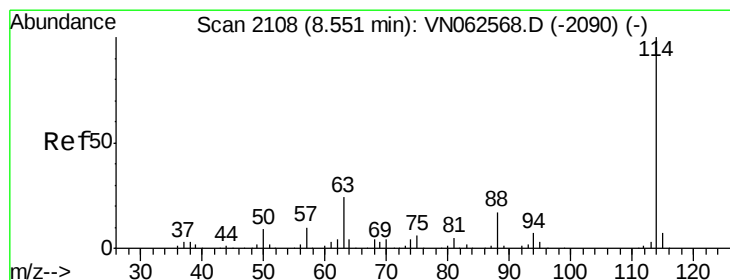
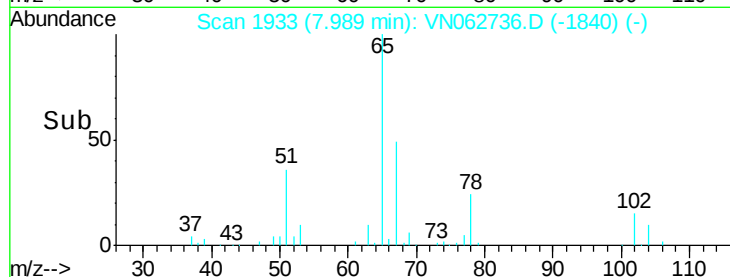
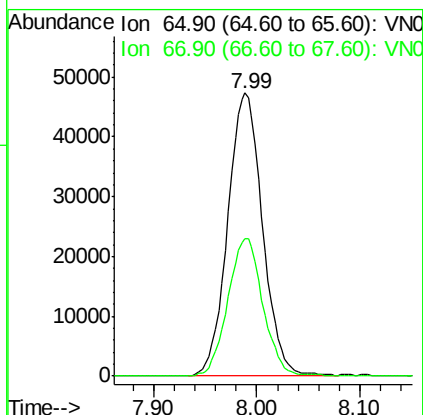
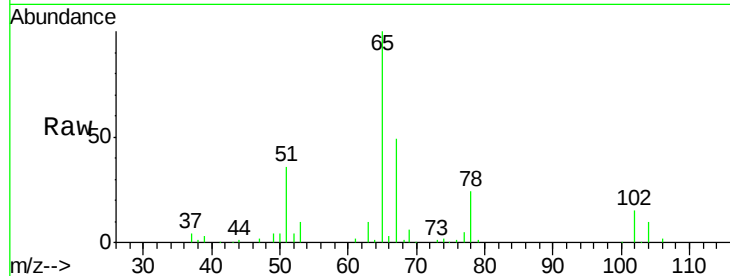




#33
 1,2-Dichloroethane-d4
 Concen: 55.673 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062736.D
 Acq: 3 Aug 2020 15:25

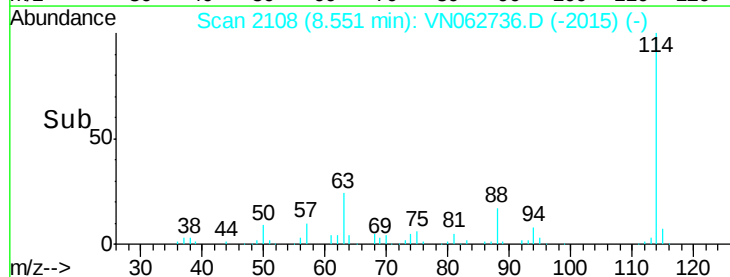
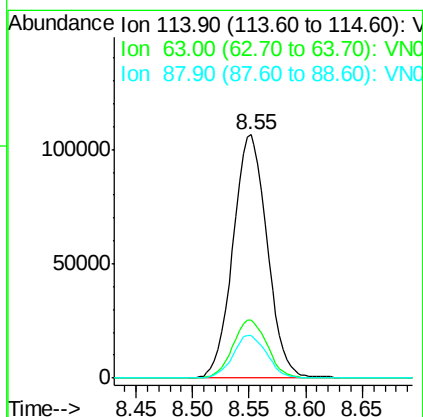
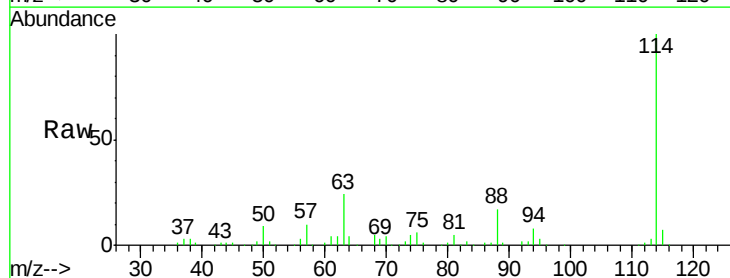
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 I-LGC-5

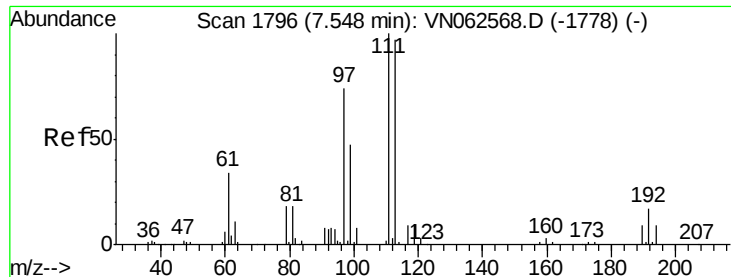
Tot Ion: 65 Resp: 111160
 Ion Ratio Lower Upper
 65 100
 67 48.7 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062736.D
 Acq: 3 Aug 2020 15:25

Tgt Ion: 114 Resp: 224444
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 48.4
 88 17.5 0.0 33.8

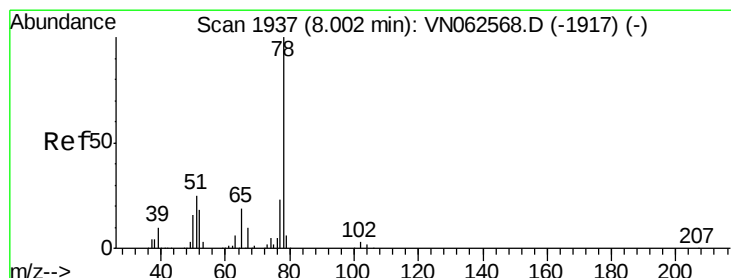
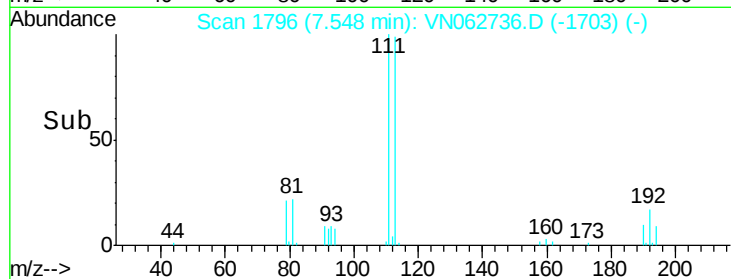
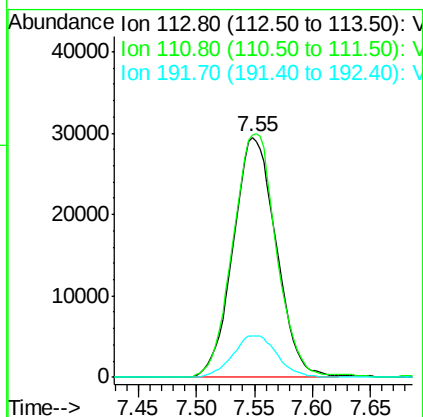
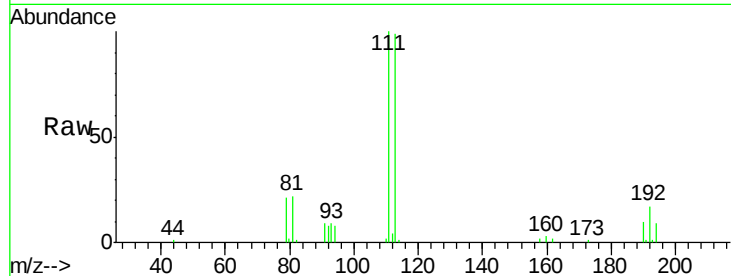




#35
 Dibromofluoromethane
 Concen: 51.608 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062736.D
 Acq: 3 Aug 2020 15:25

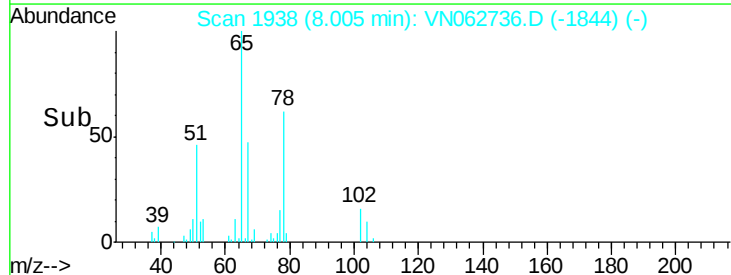
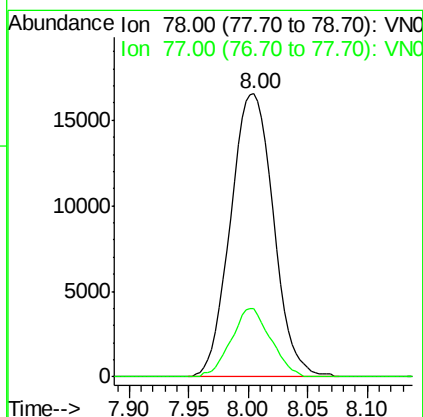
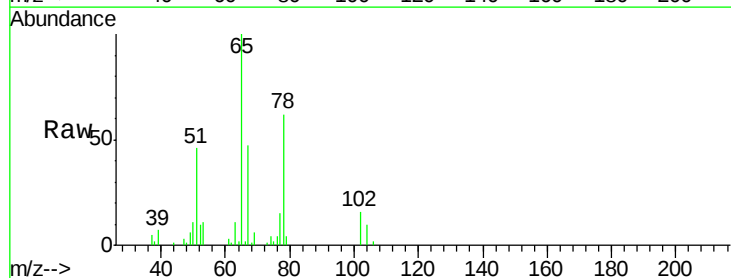
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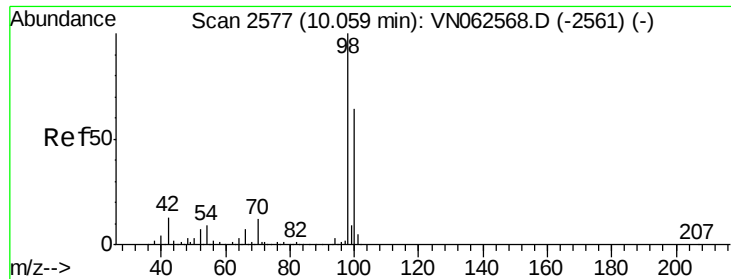
Tot Ion:113 Resp: 76085
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.7 124.1
 192 17.9 14.8 22.2



#40
 Benzene
 Concen: 5.712 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN062736.D
 Acq: 3 Aug 2020 15:25

Tgt Ion: 78 Resp: 41372
 Ion Ratio Lower Upper
 78 100
 77 24.2 18.7 28.1

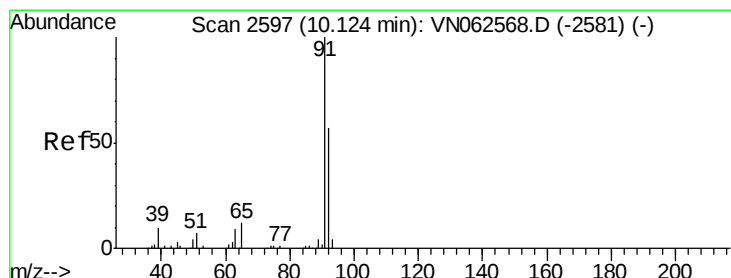
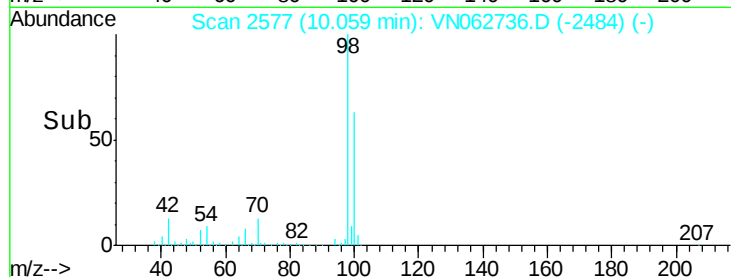
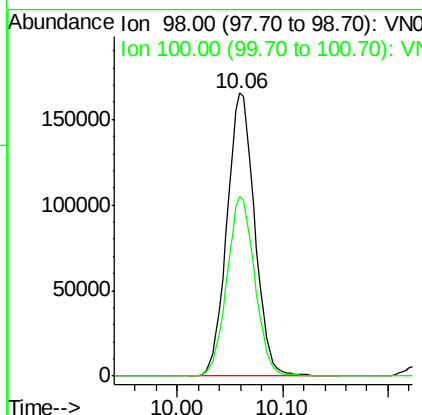
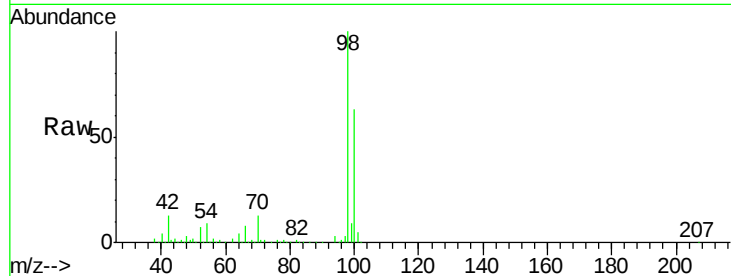




#50
Toluene-d8
Concen: 51.063 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062736.D
Acq: 3 Aug 2020 15:25

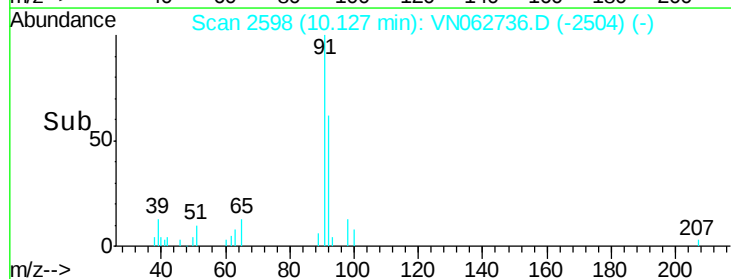
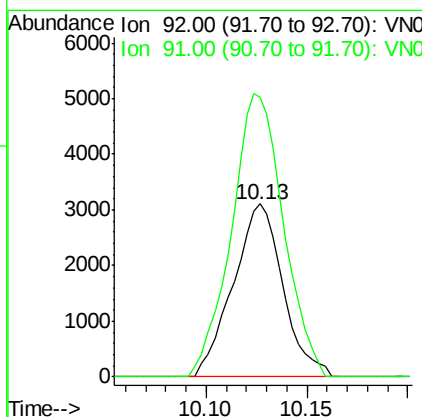
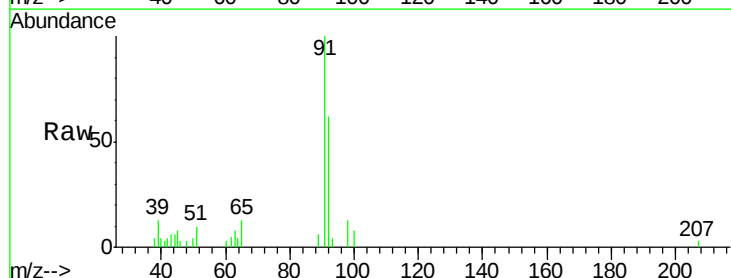
Instrument :
MSVOA_N
ClientSampleId :
I-LGC-5

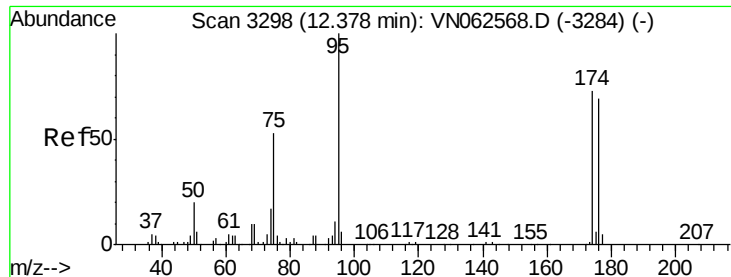
Tot Ion: 98 Resp: 300365
Ion Ratio Lower Upper
98 100
100 63.8 50.9 76.3



#52
Toluene
Concen: 1.273 ug/l
RT: 10.13 min Scan# 2598
Delta R.T. 0.00 min
Lab File: VN062736.D
Acq: 3 Aug 2020 15:25

Tgt Ion: 92 Resp: 5352
Ion Ratio Lower Upper
92 100
91 171.2 139.4 209.2

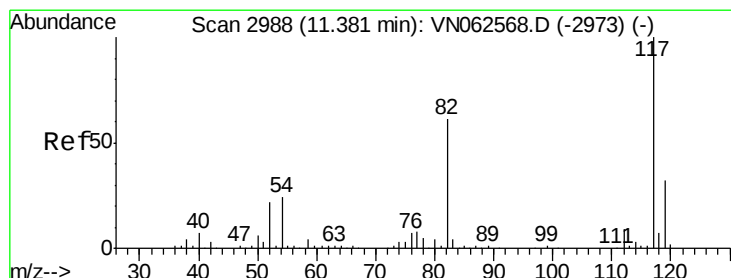
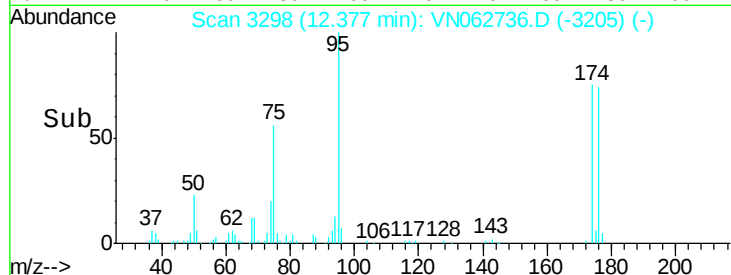
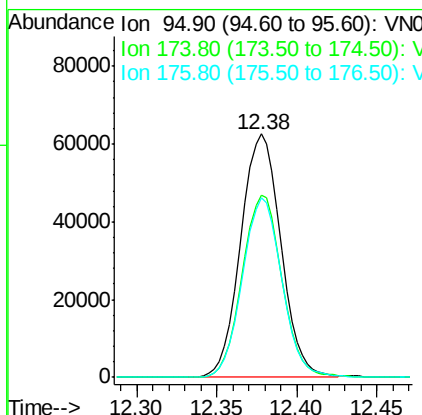
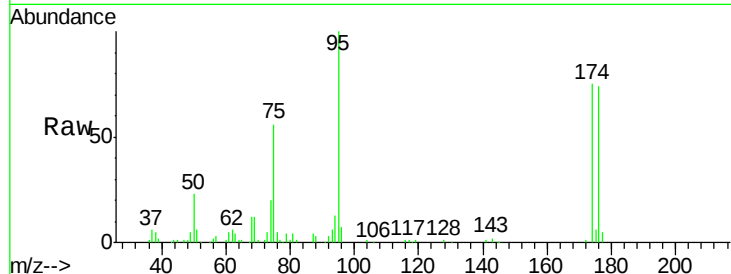




#62
4-Bromofluorobenzene
Concen: 49.840 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062736.D
Acq: 3 Aug 2020 15:25

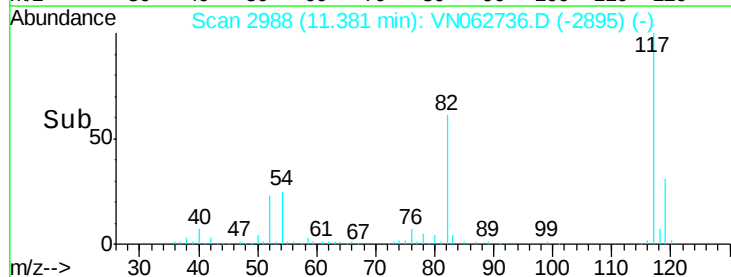
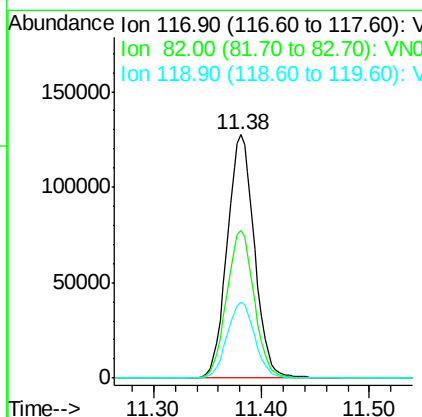
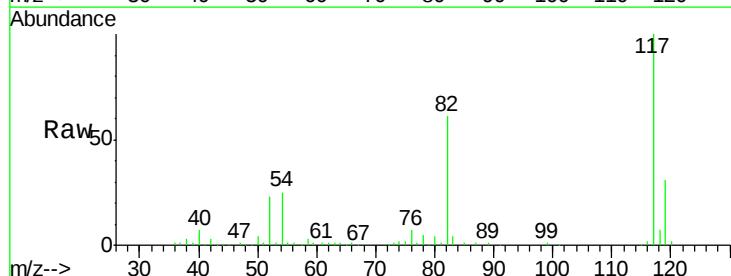
Instrument :
MSVOA_N
ClientSampleId :
I-LGC-5

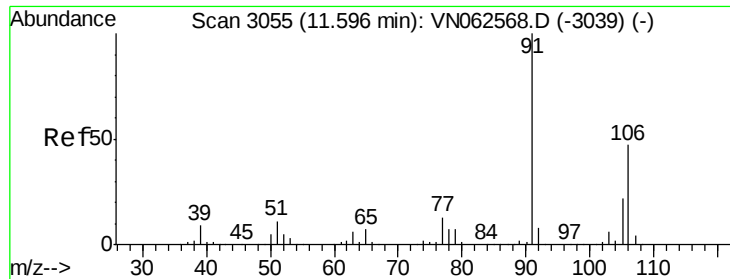
Tot Ion	95	Resp	107196
Ion Ratio	Lower	Upper	
95	100		
174	74.3	0.0	144.6
176	72.4	0.0	139.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062736.D
Acq: 3 Aug 2020 15:25

Tgt Ion	117	Resp	224135
Ion Ratio	Lower	Upper	
117	100		
82	60.5	49.0	73.6
119	31.2	25.4	38.2

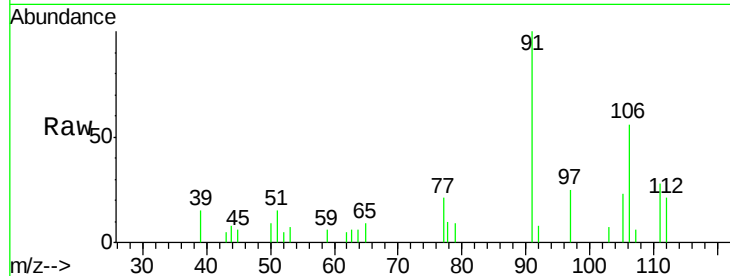




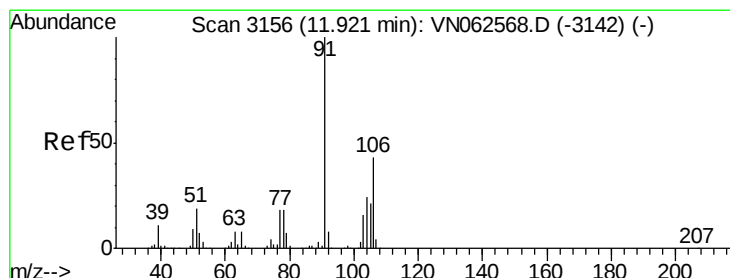
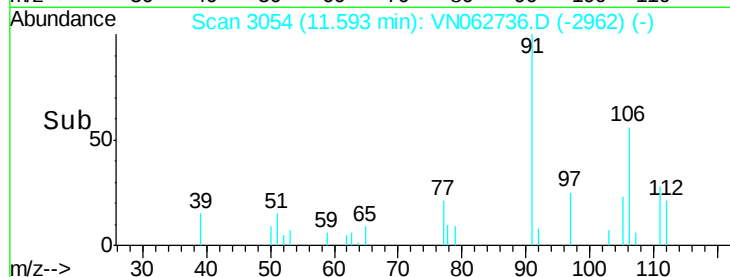
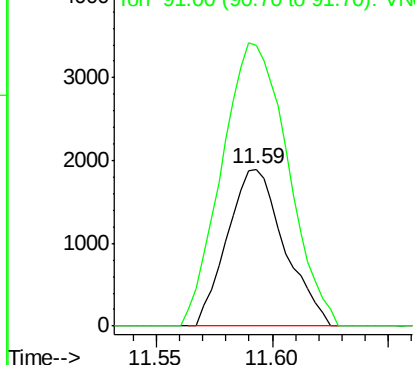
#68
m/p-Xylenes
Concen: 1.045 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062736.D
Acq: 3 Aug 2020 15:25

Instrument :
MSVOA_N
ClientSampled :
I-LGC-5

Tot Ion:106 Resp: 3237
Ion Ratio Lower Upper
106 100
91 209.0 171.4 257.2

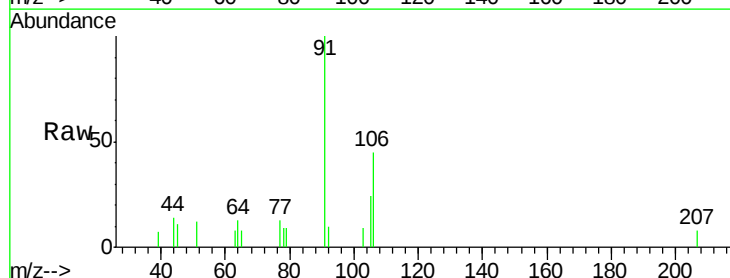


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

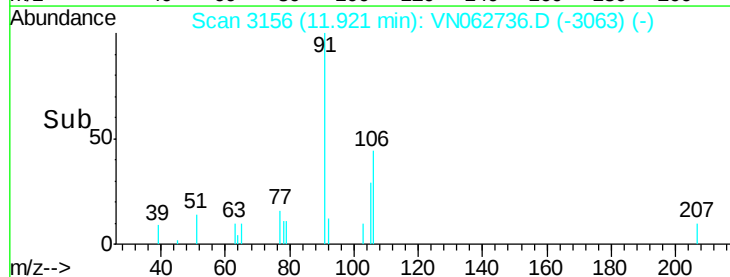
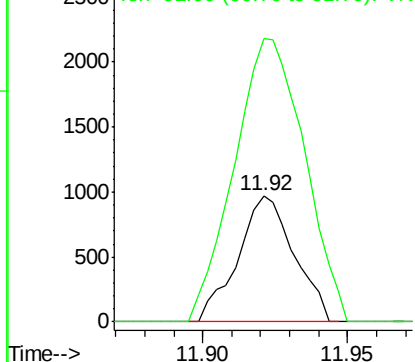


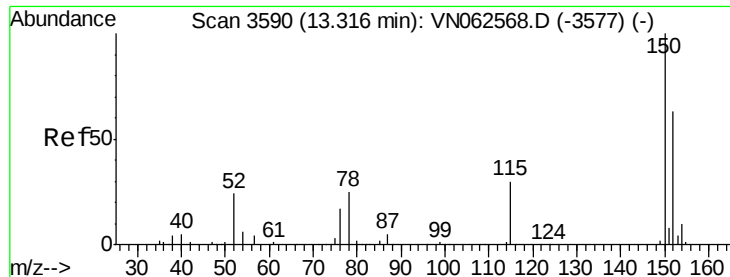
#69
o-Xylene
Concen: 0.446 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062736.D
Acq: 3 Aug 2020 15:25

Tgt Ion:106 Resp: 1311
Ion Ratio Lower Upper
106 100
91 279.6 113.8 341.2



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062736.D

Acq: 3 Aug 2020 15:25

Instrument :

MSVOA_N

ClientSampled :

I-LGC-5

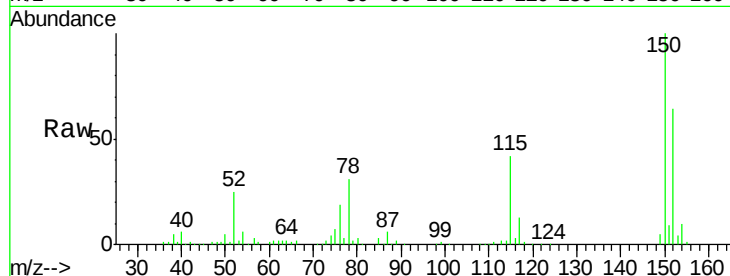
Tot Ion:152 Resp: 89005

Ion Ratio Lower Upper

152 100

115 63.7 31.8 95.4

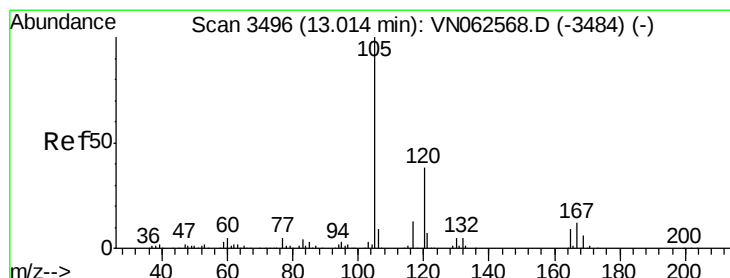
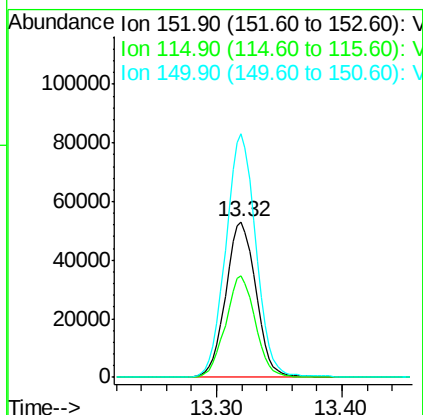
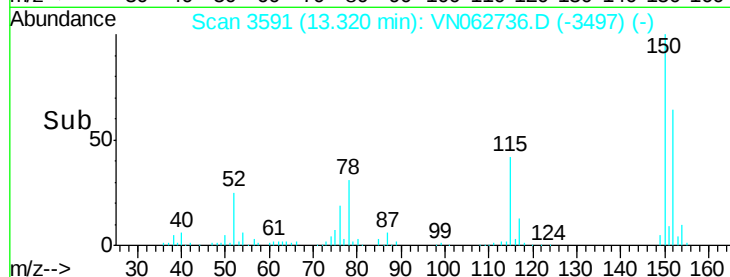
150 156.1 0.0 351.4



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



#84

1,2,4-Trimethylbenzene

Concen: 0.329 ug/l

RT: 13.01 min Scan# 3496

Delta R.T. -0.00 min

Lab File: VN062736.D

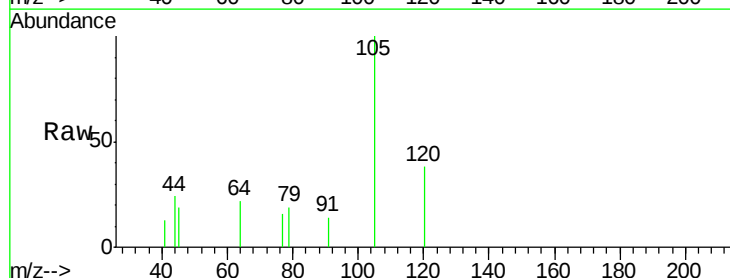
Acq: 3 Aug 2020 15:25

Tgt Ion:105 Resp: 1884

Ion Ratio Lower Upper

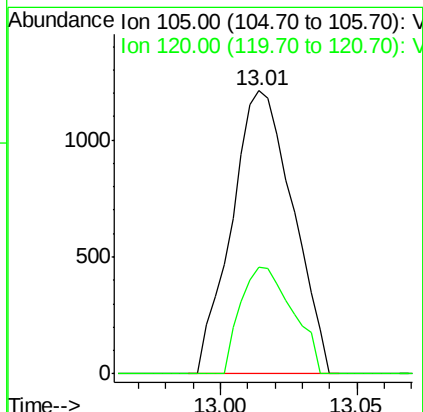
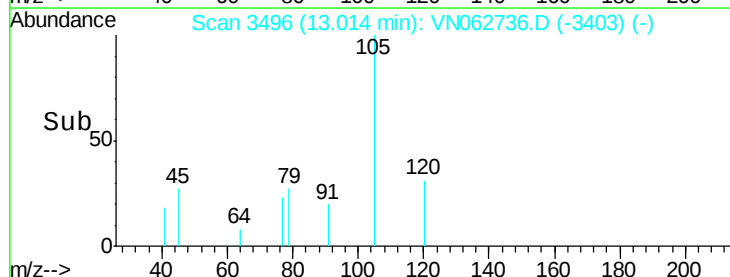
105 100

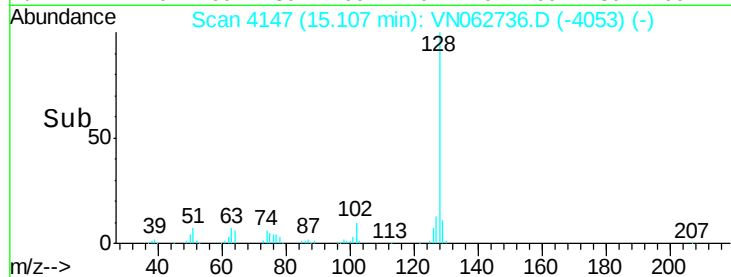
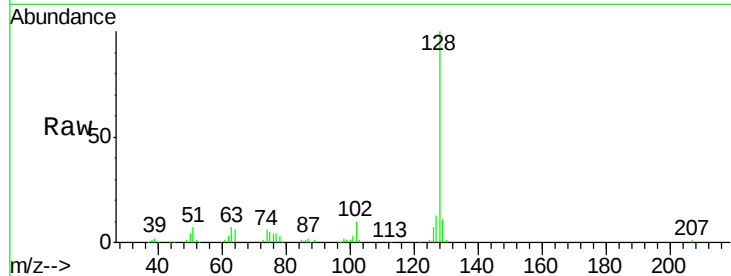
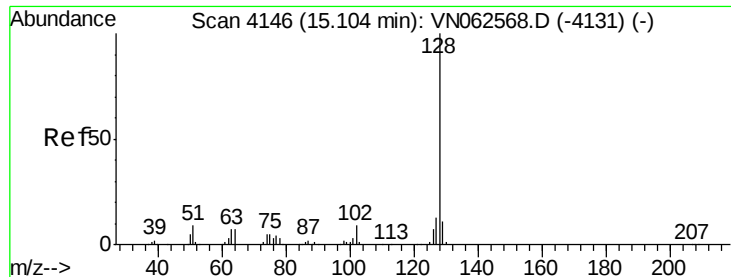
120 32.3 22.1 66.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 43.195 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN062736.D

Acq: 3 Aug 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

I-LGC-5

Tot Ion:128 Resp: 168782

Ion Ratio Lower Upper

128 100

127 12.6 10.4 15.6

129 10.9 8.7 13.1

