

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120820\
 Data File : VN064996.D
 Acq On : 9 Dec 2020 3:03
 Operator : JC/MD
 Sample : L4970-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 4S2-B-TOP

Quant Time: Dec 09 08:21:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	164958	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	317876	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	334516	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	140632	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	107244	55.92	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	111.84%		
35) Dibromofluoromethane	7.55	113	99737	52.44	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	104.88%		
50) Toluene-d8	10.06	98	398008	51.21	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	102.42%		
62) 4-Bromofluorobenzene	12.38	95	147642	53.08	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	106.16%		

Target Compounds

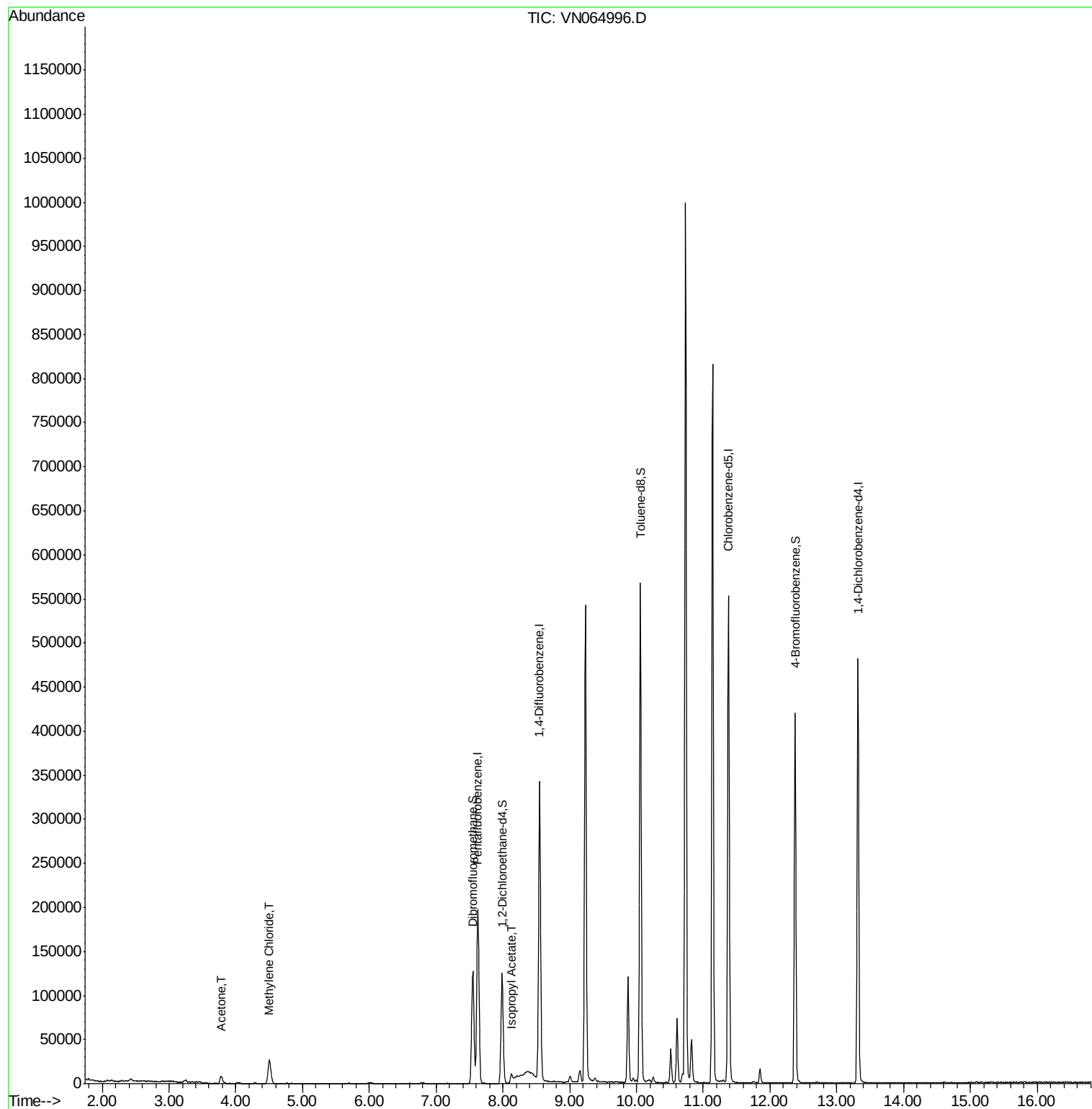
					Qvalue
16) Acetone	3.78	43	14908	23.648 ug/l	99
20) Methylene Chloride	4.51	84	20984	10.622 ug/l	97
43) Isopropyl Acetate	8.13	43	13948	3.054 ug/l #	90

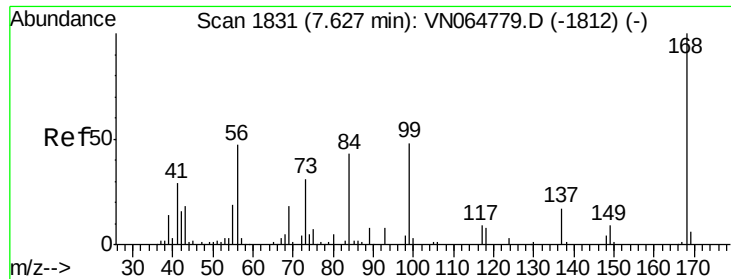
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064996.D

Acq: 9 Dec 2020 3:03

Instrument :

MSVOA_N

ClientSampleId :

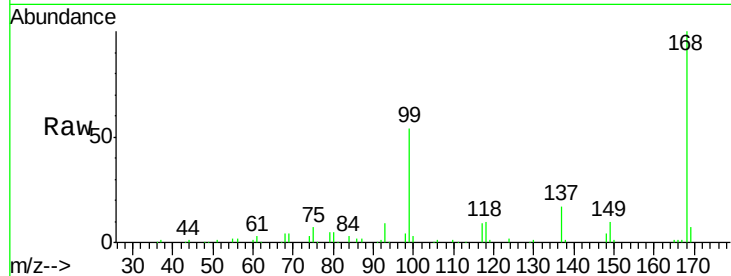
4S2-B-TOP

Tot Ion:168 Resp: 164958

Ion Ratio Lower Upper

168 100

99 53.9 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

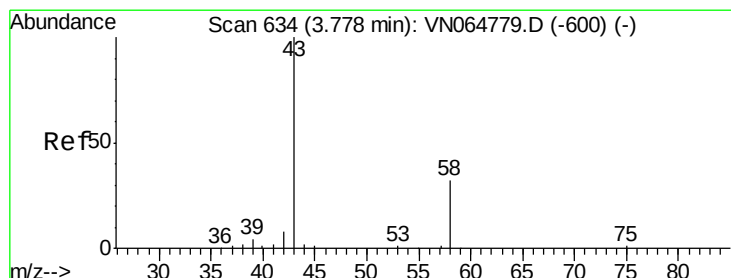
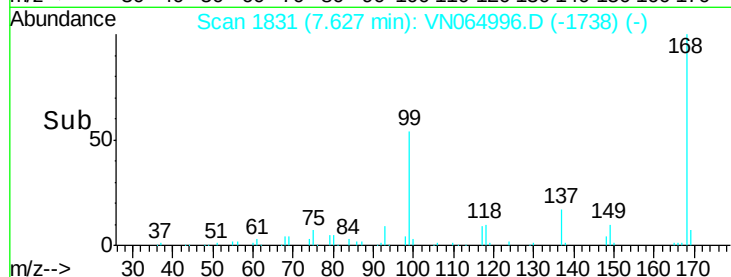
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 23.648 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN064996.D

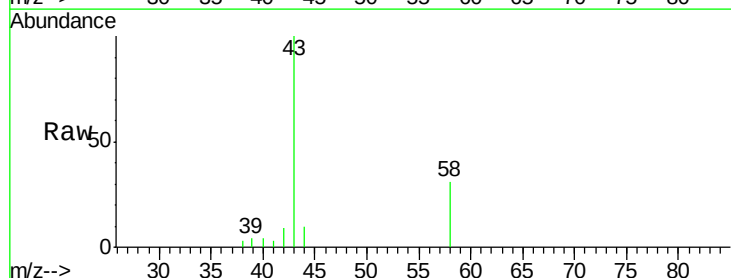
Acq: 9 Dec 2020 3:03

Tgt Ion: 43 Resp: 14908

Ion Ratio Lower Upper

43 100

58 31.4 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.78

6000

5000

4000

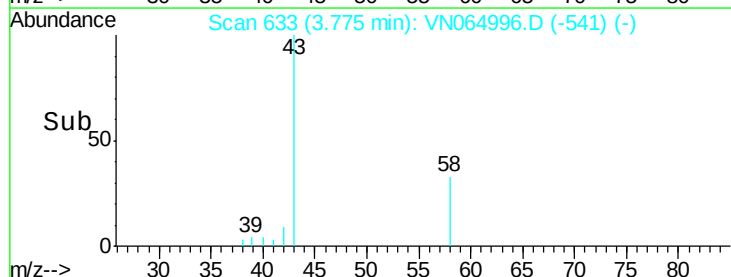
3000

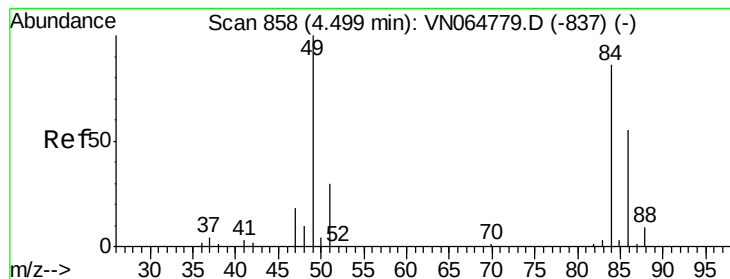
2000

1000

0

Time--> 3.70 3.75 3.80 3.85





#20

Methylene Chloride

Concen: 10.622 ug/l

RT: 4.51 min Scan# 860

Delta R.T. 0.01 min

Lab File: VN064996.D

Acq: 9 Dec 2020 3:03

Instrument :

MSVOA_N

ClientSampled :

4S2-B-TOP

Tot Ion: 84 Resp: 20984

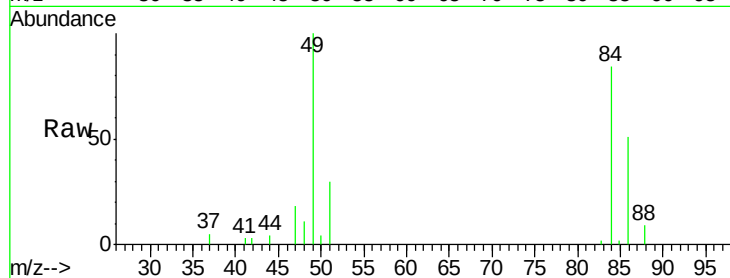
Ion Ratio Lower Upper

84 100

49 118.9 93.4 140.0

51 35.8 28.2 42.4

86 60.1 51.7 77.5

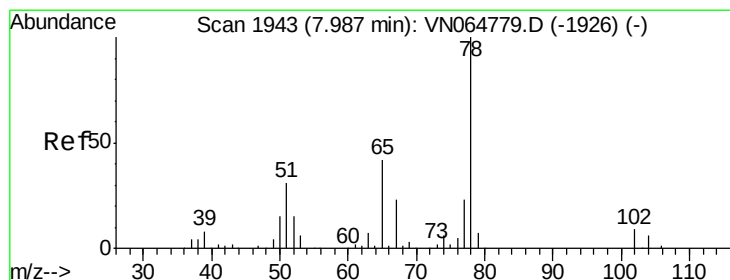
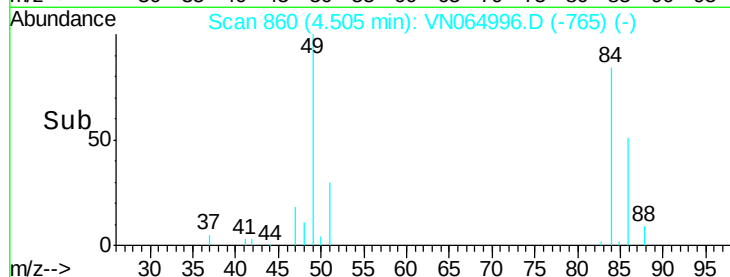
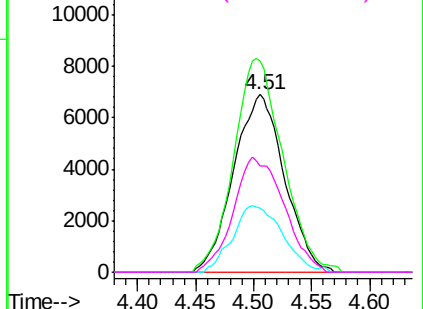


Abundance Ion 83.90 (83.60 to 84.60): VN0

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



#33

1,2-Dichloroethane-d4

Concen: 55.922 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064996.D

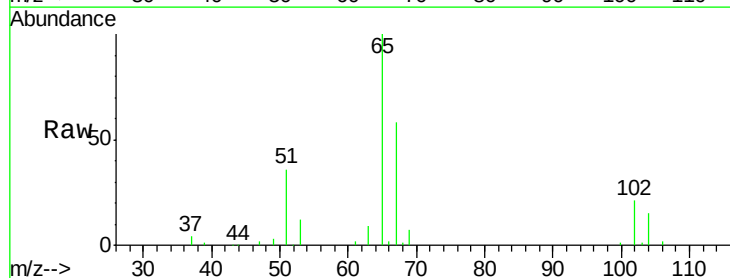
Acq: 9 Dec 2020 3:03

Tgt Ion: 65 Resp: 107244

Ion Ratio Lower Upper

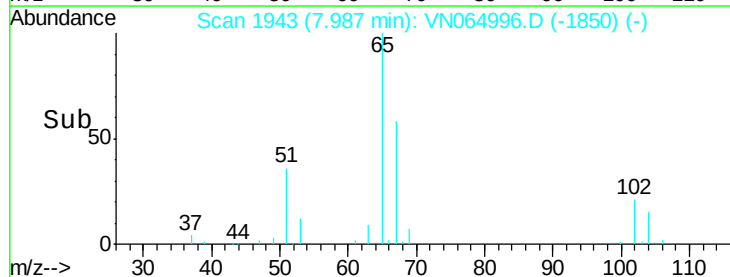
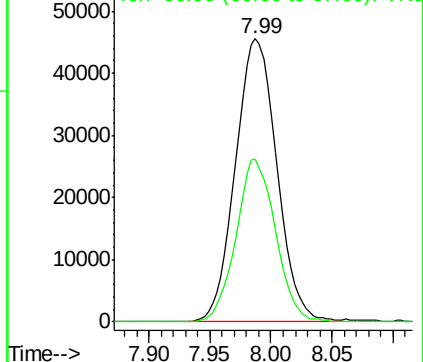
65 100

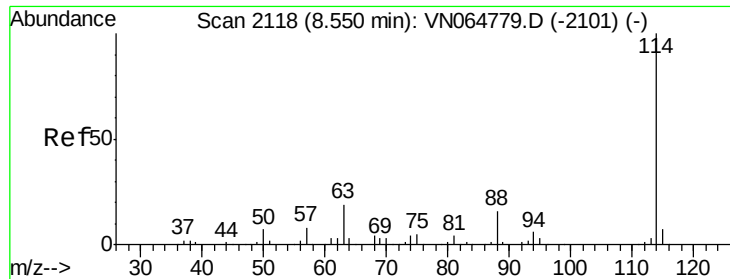
67 54.5 0.0 108.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

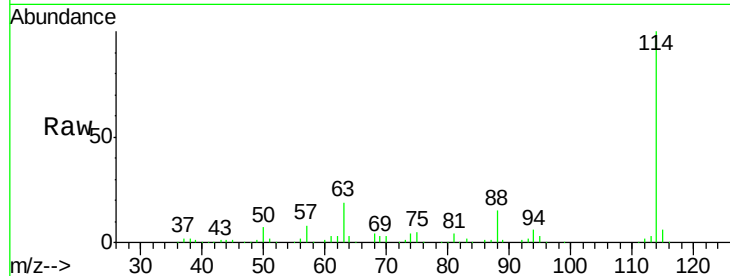




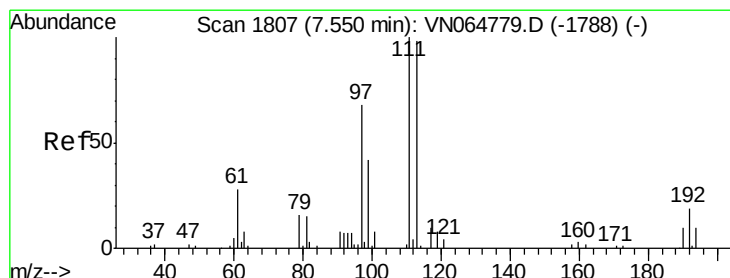
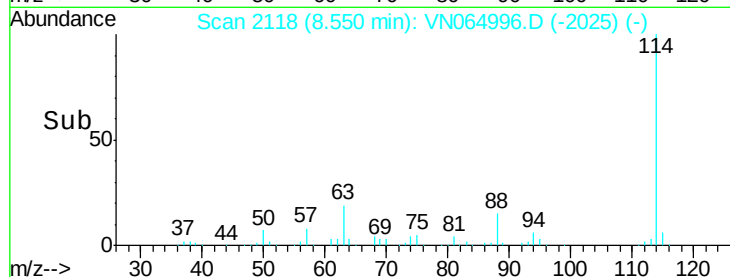
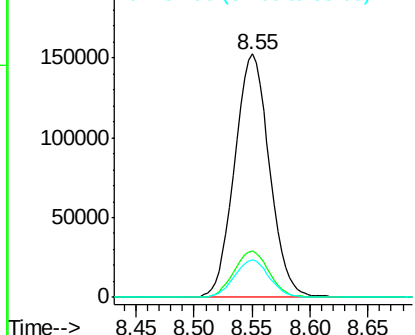
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN064996.D
Acq: 9 Dec 2020 3:03

Instrument :
MSVOA_N
ClientSampleId :
4S2-B-TOP

Tot Ion:114 Resp: 317876
Ion Ratio Lower Upper
114 100
63 19.1 0.0 38.6
88 15.3 0.0 32.6

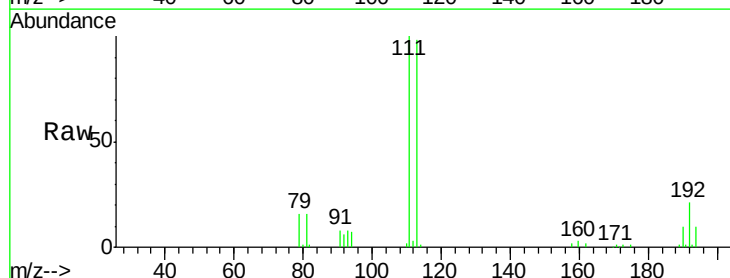


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

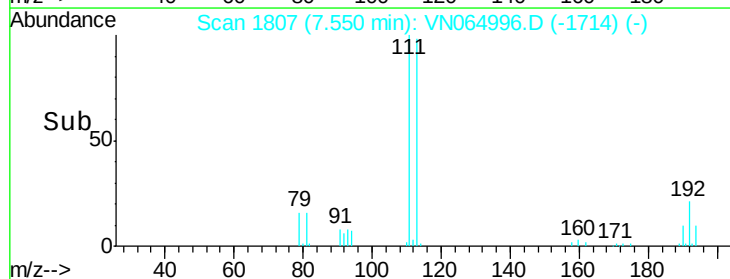
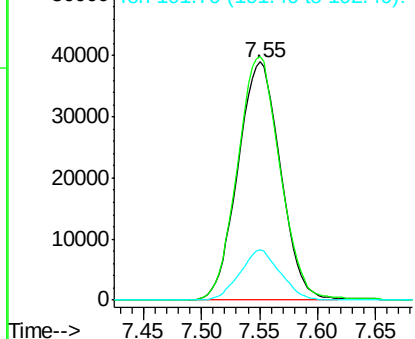


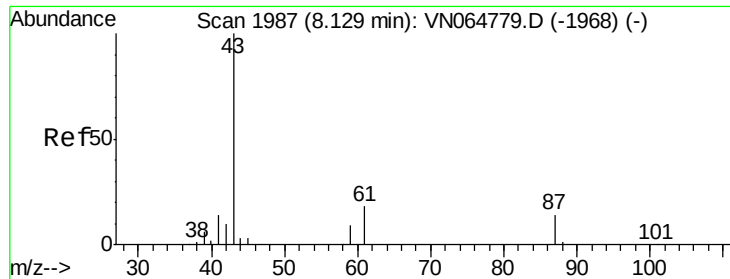
#35
Dibromofluoromethane
Concen: 52.436 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064996.D
Acq: 9 Dec 2020 3:03

Tgt Ion:113 Resp: 99737
Ion Ratio Lower Upper
113 100
111 102.6 81.6 122.4
192 19.9 16.2 24.2



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





#43

Isopropyl Acetate

Concen: 3.054 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064996.D

Acq: 9 Dec 2020 3:03

Instrument :

MSVOA_N

ClientSampleId :

4S2-B-TOP

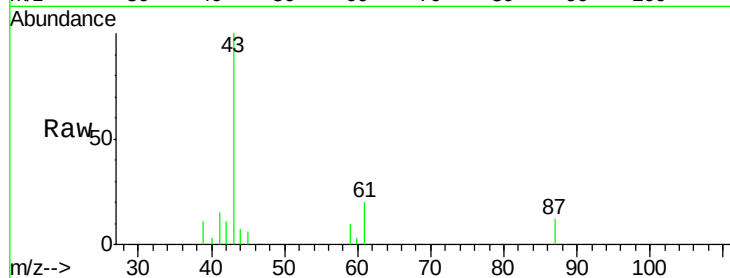
Tot Ion: 43 Resp: 13948

Ion Ratio Lower Upper

43 100

61 16.8 17.2 25.8#

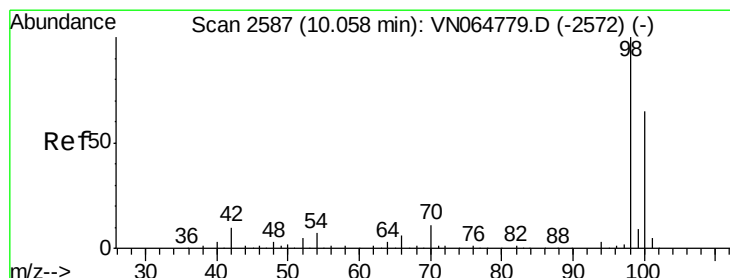
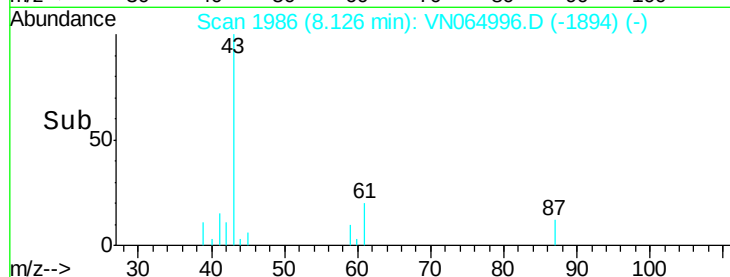
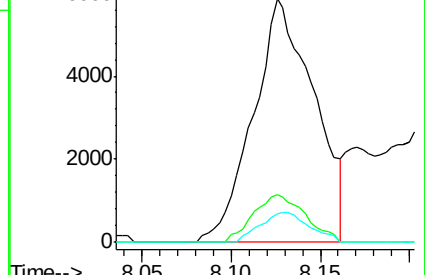
87 9.9 11.4 17.0#



Abundance Ion 43.00 (42.70 to 43.70): VN064779.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN064779.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN064779.D (-1968) (-)



#50

Toluene-d8

Concen: 51.212 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064996.D

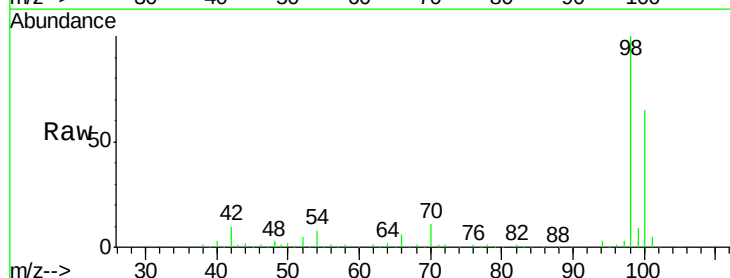
Acq: 9 Dec 2020 3:03

Tgt Ion: 98 Resp: 398008

Ion Ratio Lower Upper

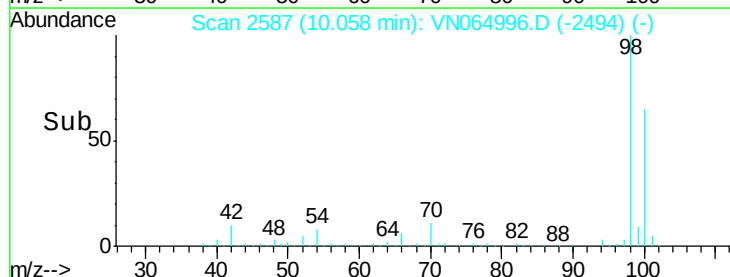
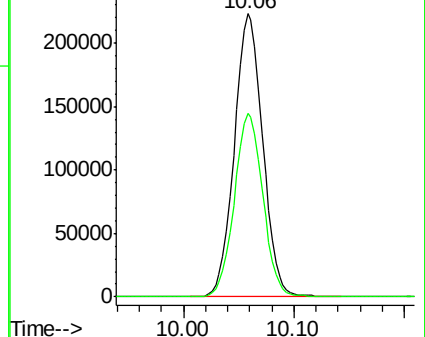
98 100

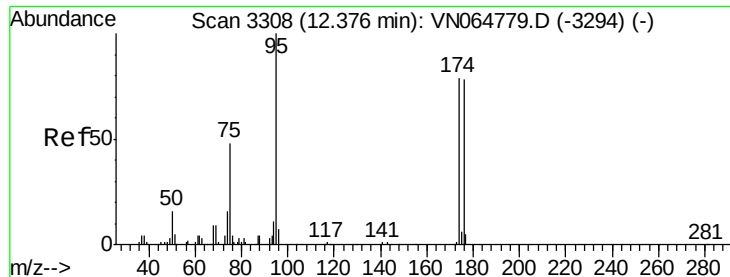
100 65.1 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN064779.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN064779.D (-2572) (-)

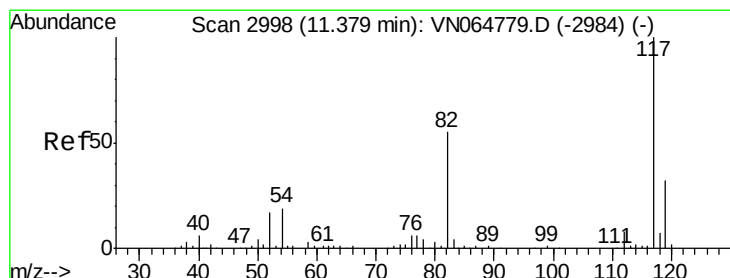
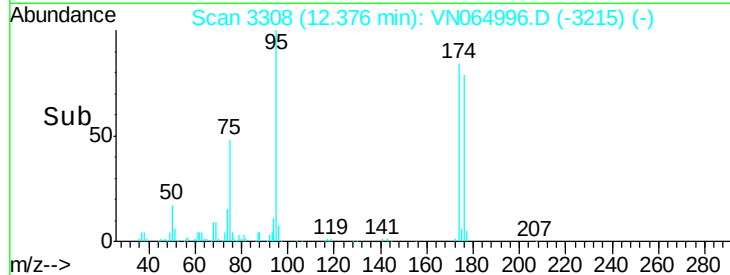
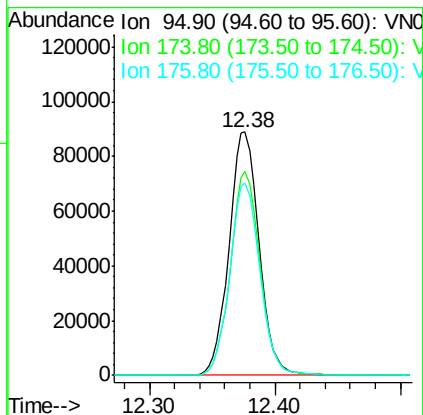
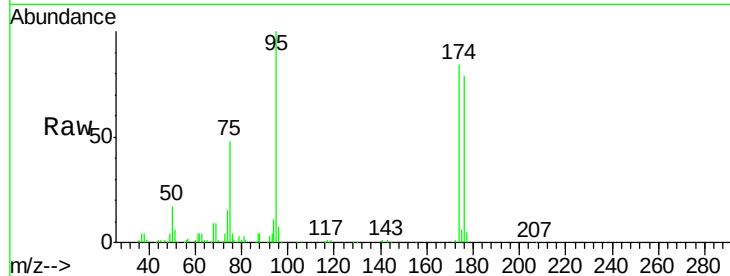




#62
4-Bromofluorobenzene
Concen: 53.083 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064996.D
Acq: 9 Dec 2020 3:03

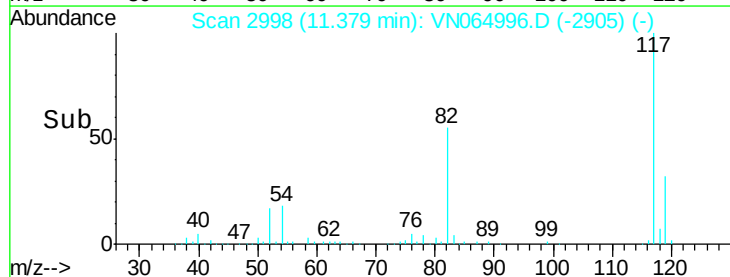
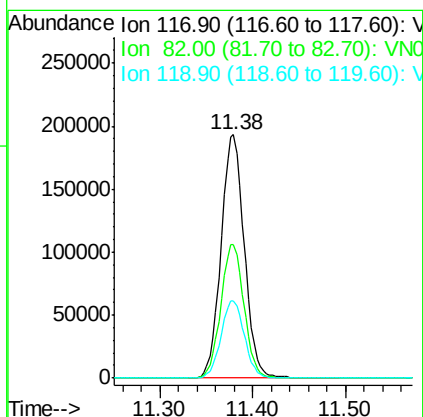
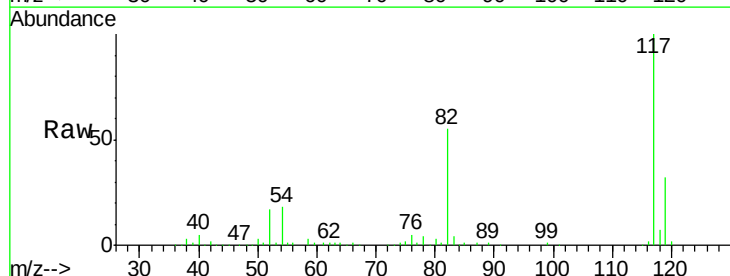
Instrument :
MSVOA_N
ClientSampleId :
4S2-B-TOP

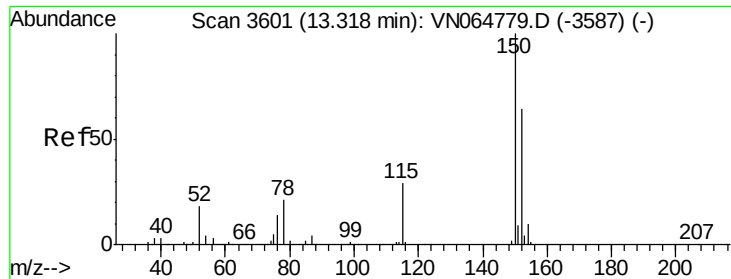
Tot Ion: 95 Resp: 147642
Ion Ratio Lower Upper
95 100
174 82.9 0.0 160.4
176 79.5 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064996.D
Acq: 9 Dec 2020 3:03

Tgt Ion: 117 Resp: 334516
Ion Ratio Lower Upper
117 100
82 55.0 44.2 66.2
119 32.0 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064996.D

Acq: 9 Dec 2020 3:03

Instrument :

MSVOA_N

ClientSampleId :

4S2-B-TOP

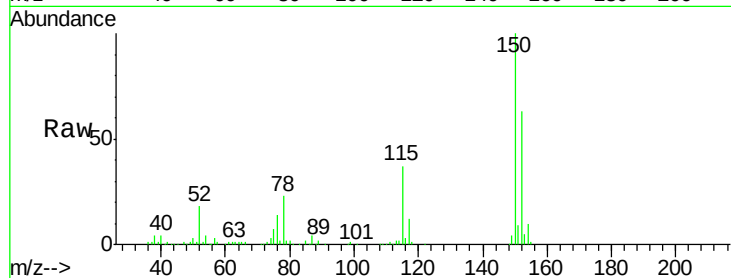
Tot Ion:152 Resp: 140632

Ion Ratio Lower Upper

152 100

115 58.7 29.7 89.1

150 154.6 0.0 350.6



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

