

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120820\
 Data File : VN064981.D
 Acq On : 8 Dec 2020 19:50
 Operator : JC/MD
 Sample : PB133456ZHE#18
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB133456ZHE#18

Quant Time: Dec 09 07:33:43 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	7.62	168	169601	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	332545	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	345401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	146657	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	108919	55.24	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	=	110.48%	
35) Dibromofluoromethane	7.55	113	101565	51.04	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	=	102.08%	
50) Toluene-d8	10.06	98	415661	51.12	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	=	102.24%	
62) 4-Bromofluorobenzene	12.38	95	154763	53.19	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	=	106.38%	

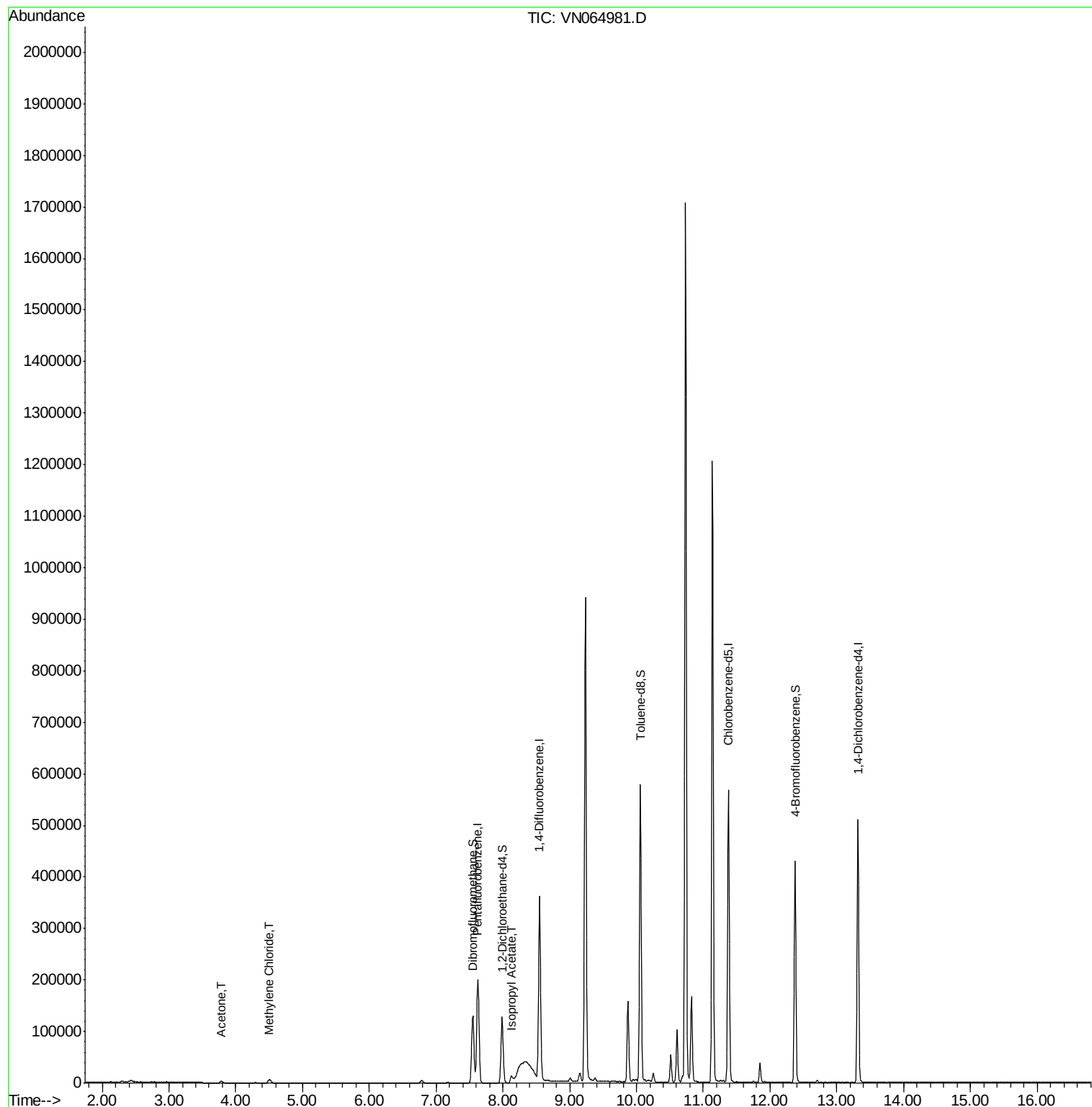
Target Compounds					Qvalue
16) Acetone	3.78	43	5813	8.968 ug/l	92
20) Methylene Chloride	4.50	84	5748	2.830 ug/l #	87
43) Isopropyl Acetate	8.13	43	17995	3.766 ug/l	93

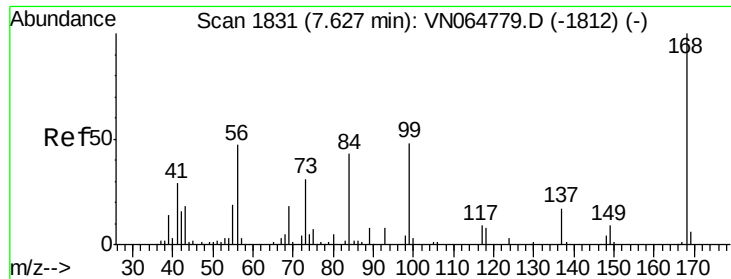
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Nov 23 13:54:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064981.D

Acq: 8 Dec 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

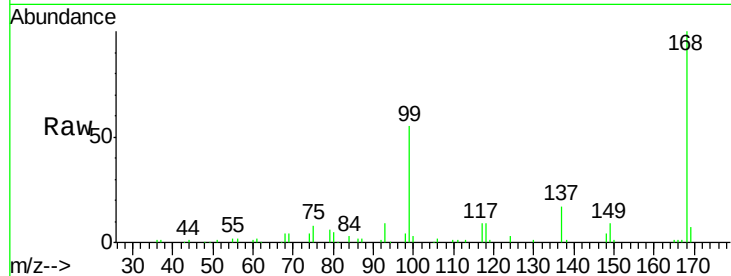
PB133456ZHE#18

Tot Ion:168 Resp: 169601

Ion Ratio Lower Upper

168 100

99 54.8 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.62

80000

60000

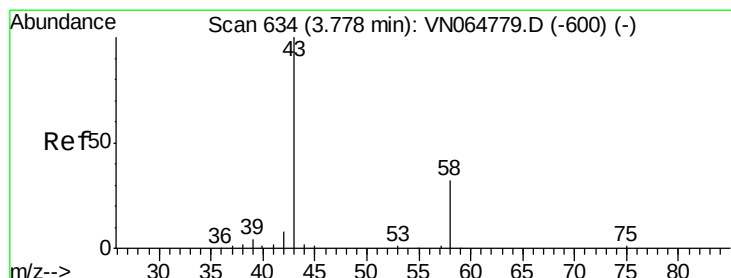
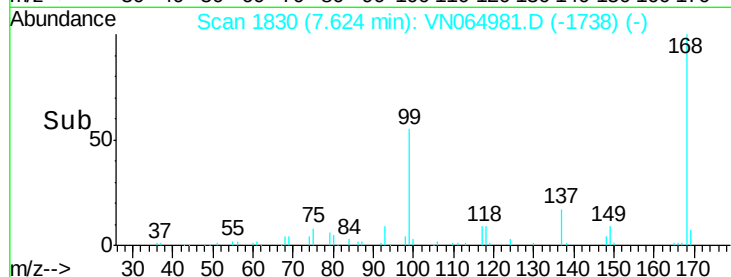
40000

20000

0

Time-->

7.55 7.60 7.65 7.70



#16

Acetone

Concen: 8.968 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN064981.D

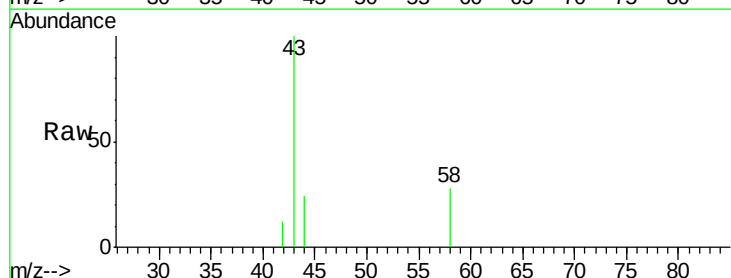
Acq: 8 Dec 2020 19:50

Tgt Ion: 43 Resp: 5813

Ion Ratio Lower Upper

43 100

58 27.9 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.78

2000

1500

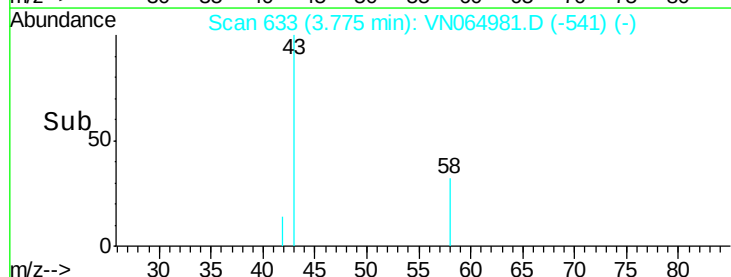
1000

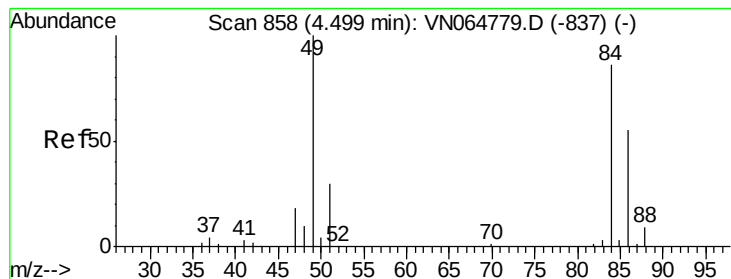
500

0

Time-->

3.70 3.75 3.80 3.85





#20

Methvlene Chloride

Concen: 2.830 ug/l

RT: 4.50 min Scan# 859

Delta R.T. 0.00 min

Lab File: VN064981.D

Acq: 8 Dec 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

PB133456ZHE#18

Tot Ion: 84 Resp: 5748

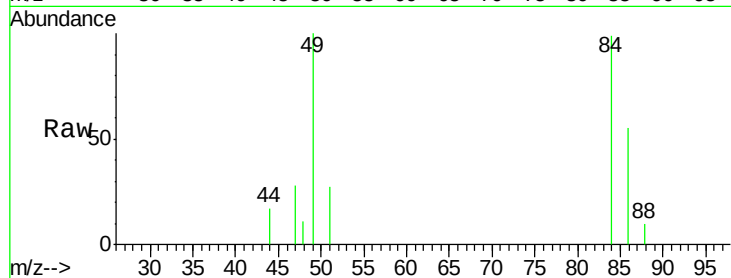
Ion Ratio Lower Upper

84 100

49 100.7 93.4 140.0

51 27.5 28.2 42.4#

86 55.6 51.7 77.5

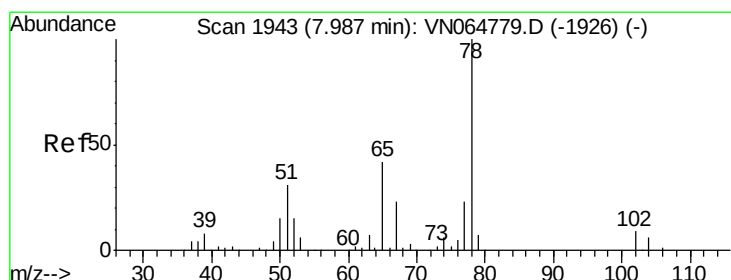
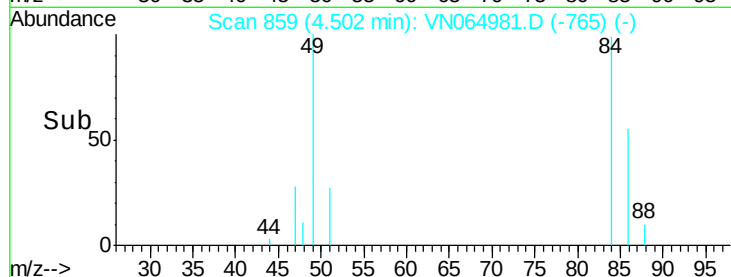
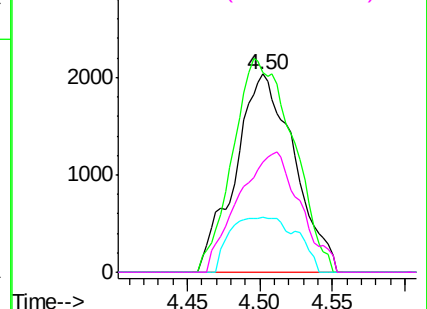


Abundance Ion 83.90 (83.60 to 84.60): VN0

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: 55.240 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064981.D

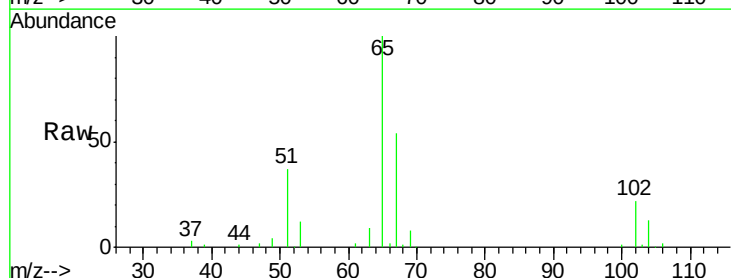
Acq: 8 Dec 2020 19:50

Tgt Ion: 65 Resp: 108919

Ion Ratio Lower Upper

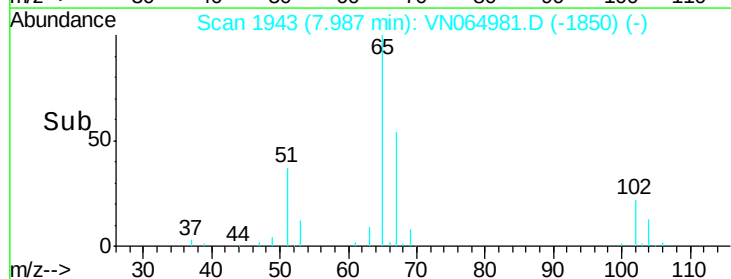
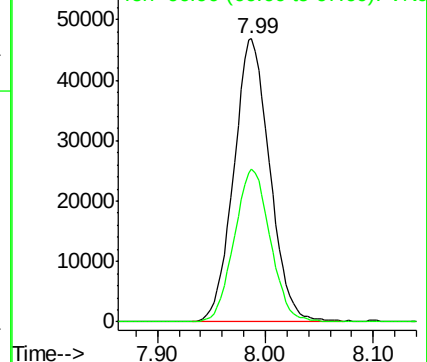
65 100

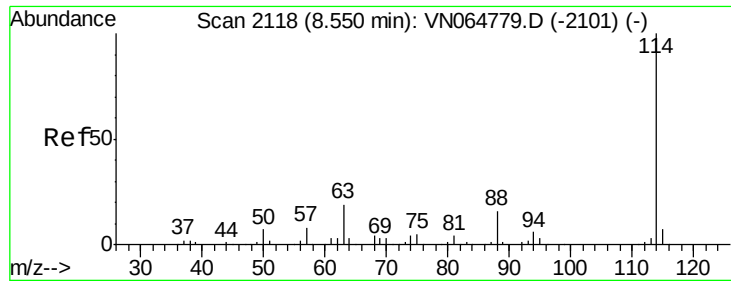
67 53.8 0.0 108.2



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: VN064981.D

Acq: 8 Dec 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

PB133456ZHE#18

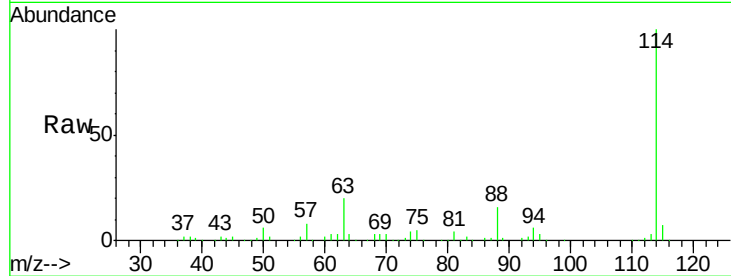
Tot Ion:114 Resp: 332545

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.6

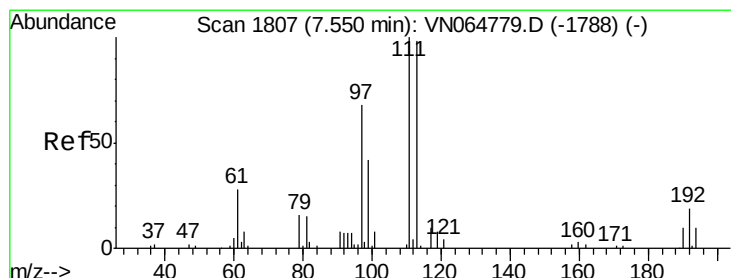
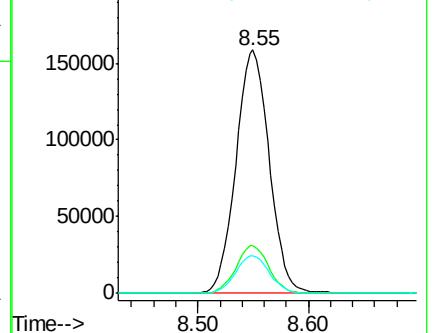
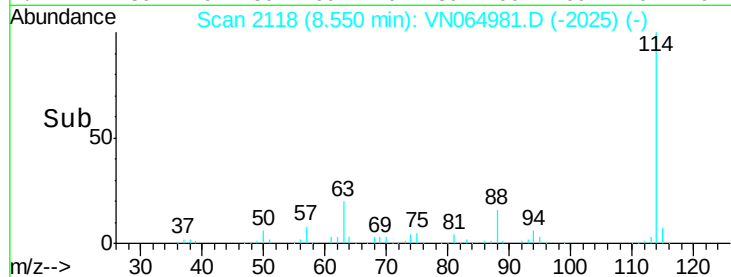
88 15.6 0.0 32.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 51.042 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN064981.D

Acq: 8 Dec 2020 19:50

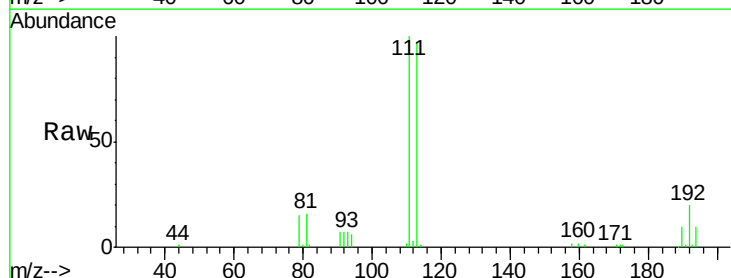
Tgt Ion:113 Resp: 101565

Ion Ratio Lower Upper

113 100

111 104.2 81.6 122.4

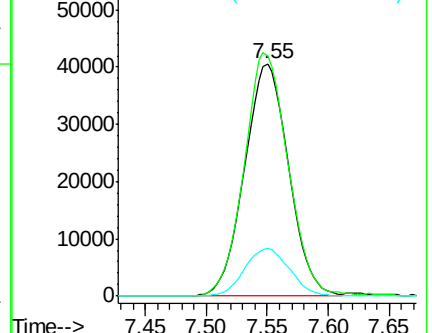
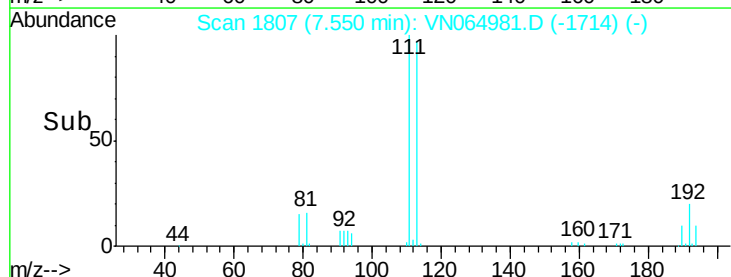
192 20.7 16.2 24.2

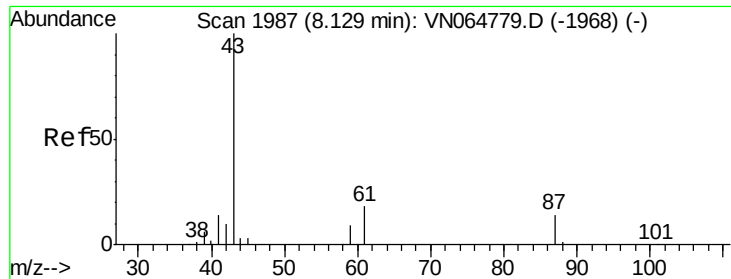


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 3.766 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN064981.D

Acq: 8 Dec 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

PB133456ZHE#18

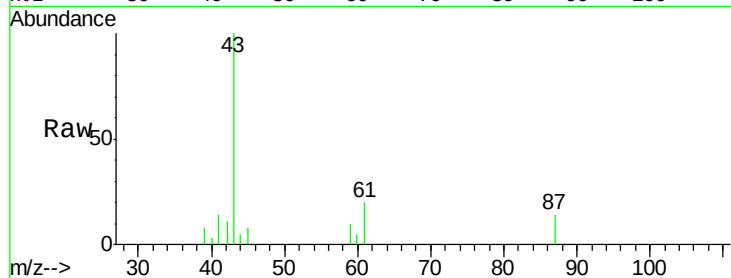
Tot Ion: 43 Resp: 17995

Ion Ratio Lower Upper

43 100

61 17.2 17.2 25.8

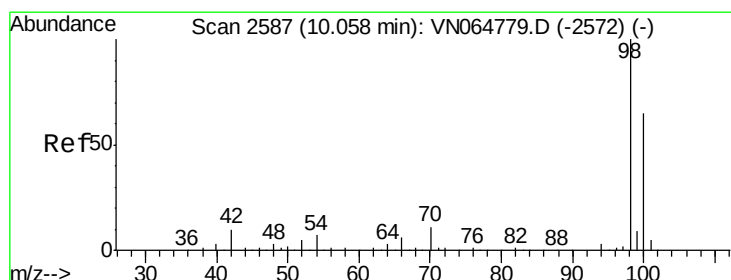
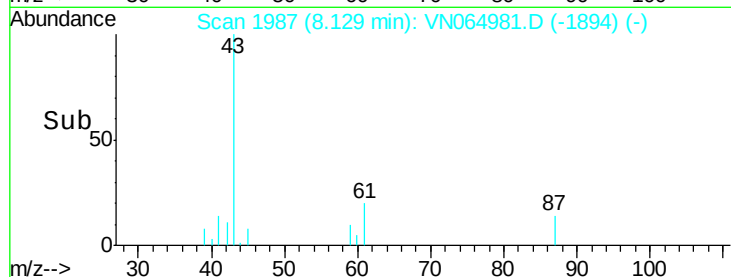
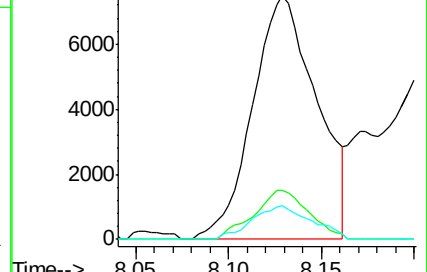
87 12.7 11.4 17.0



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: 51.125 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064981.D

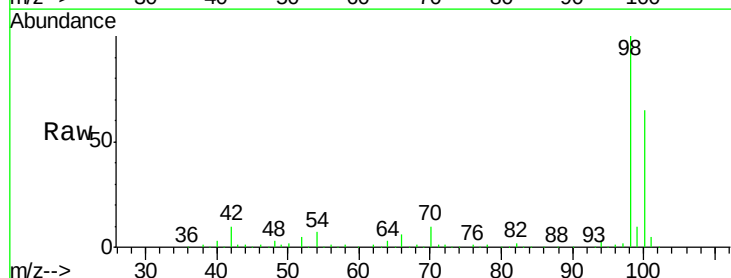
Acq: 8 Dec 2020 19:50

Tgt Ion: 98 Resp: 415661

Ion Ratio Lower Upper

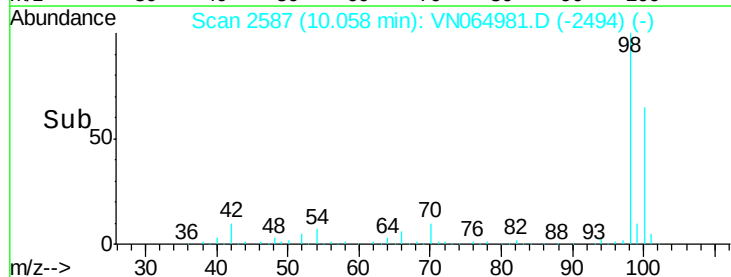
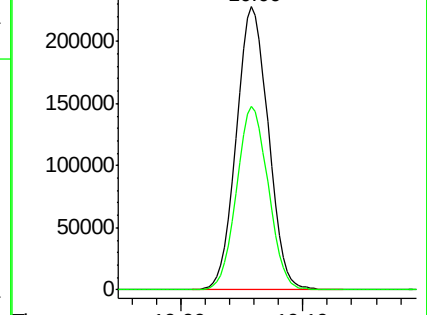
98 100

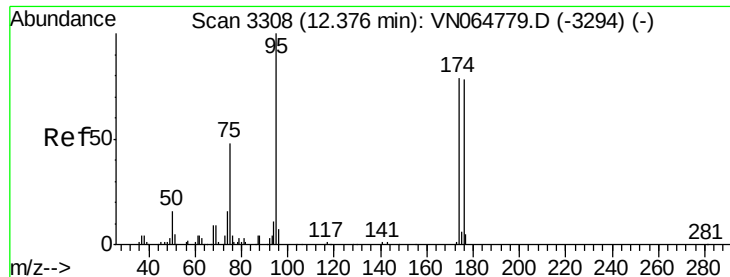
100 64.5 51.7 77.5



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

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

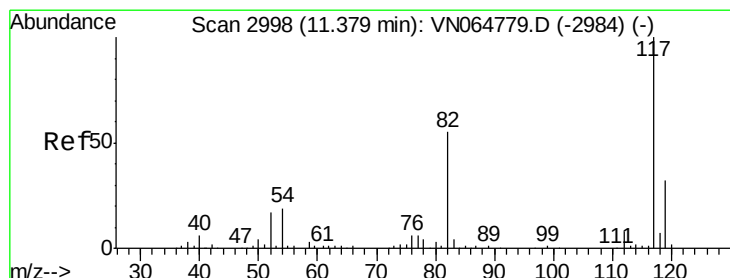
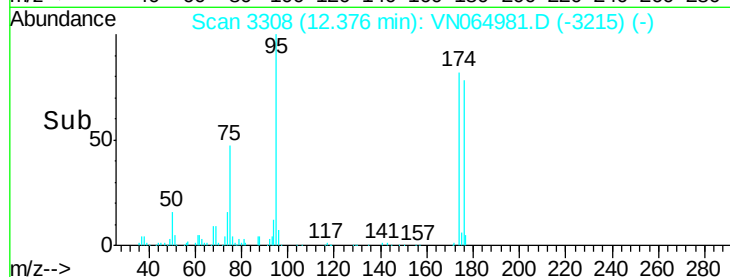
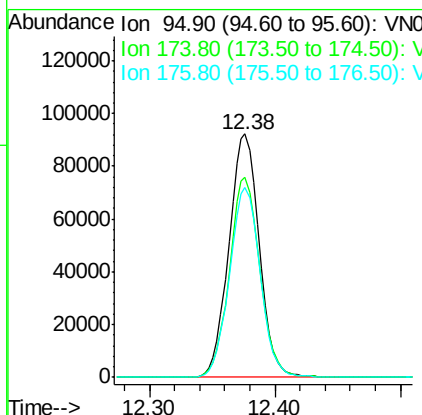
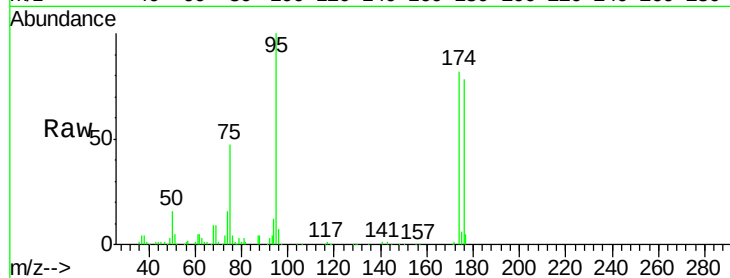




#62
4-Bromofluorobenzene
Concen: 53.189 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064981.D
Acq: 8 Dec 2020 19:50

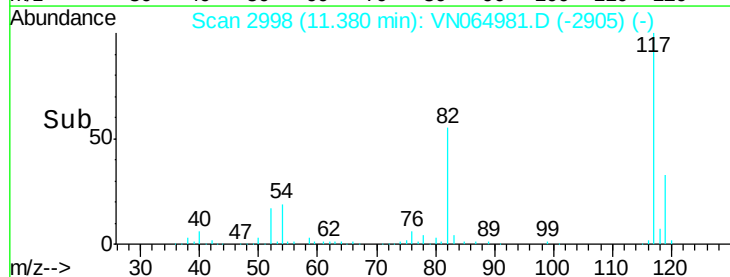
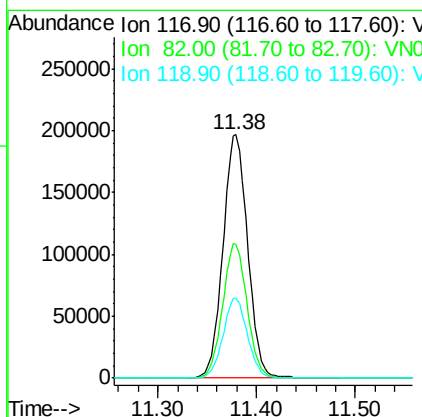
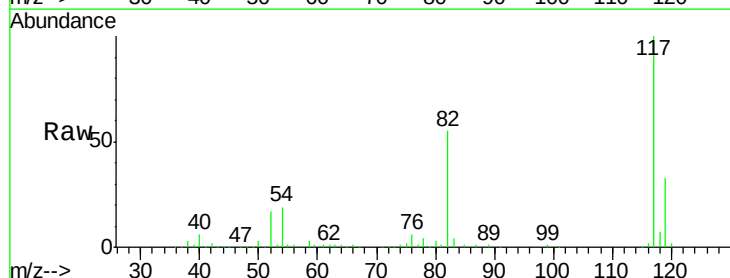
Instrument :
MSVOA_N
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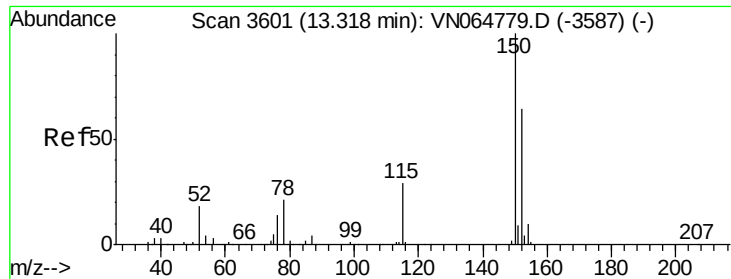
Tot Ion: 95 Resp: 154763
Ion Ratio Lower Upper
95 100
174 82.7 0.0 160.4
176 79.0 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064981.D
Acq: 8 Dec 2020 19:50

Tgt Ion: 117 Resp: 345401
Ion Ratio Lower Upper
117 100
82 55.0 44.2 66.2
119 32.9 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064981.D

Acq: 8 Dec 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

PB133456ZHE#18

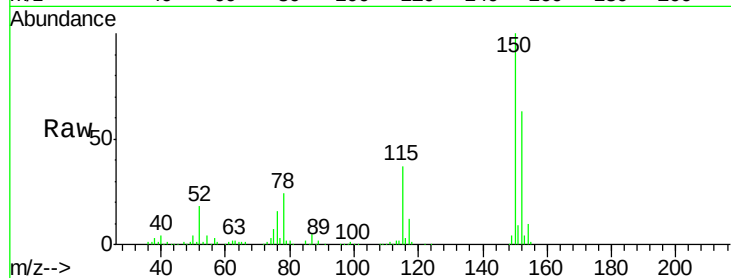
Tot Ion:152 Resp: 146657

Ion Ratio Lower Upper

152 100

115 57.9 29.7 89.1

150 156.7 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

