

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120420\
 Data File : VN064916.D
 Acq On : 4 Dec 2020 14:05
 Operator : JC/MD
 Sample : PB133386TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB133386TB

Quant Time: Dec 05 02:13:34 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	170686	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	306094	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	331179	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	147462	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	106680	53.76	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	107.52%		
35) Dibromofluoromethane	7.55	113	97018	52.97	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	105.94%		
50) Toluene-d8	10.06	98	394023	52.65	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	105.30%		
62) 4-Bromofluorobenzene	12.38	95	153271	57.23	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	114.46%		

Target Compounds

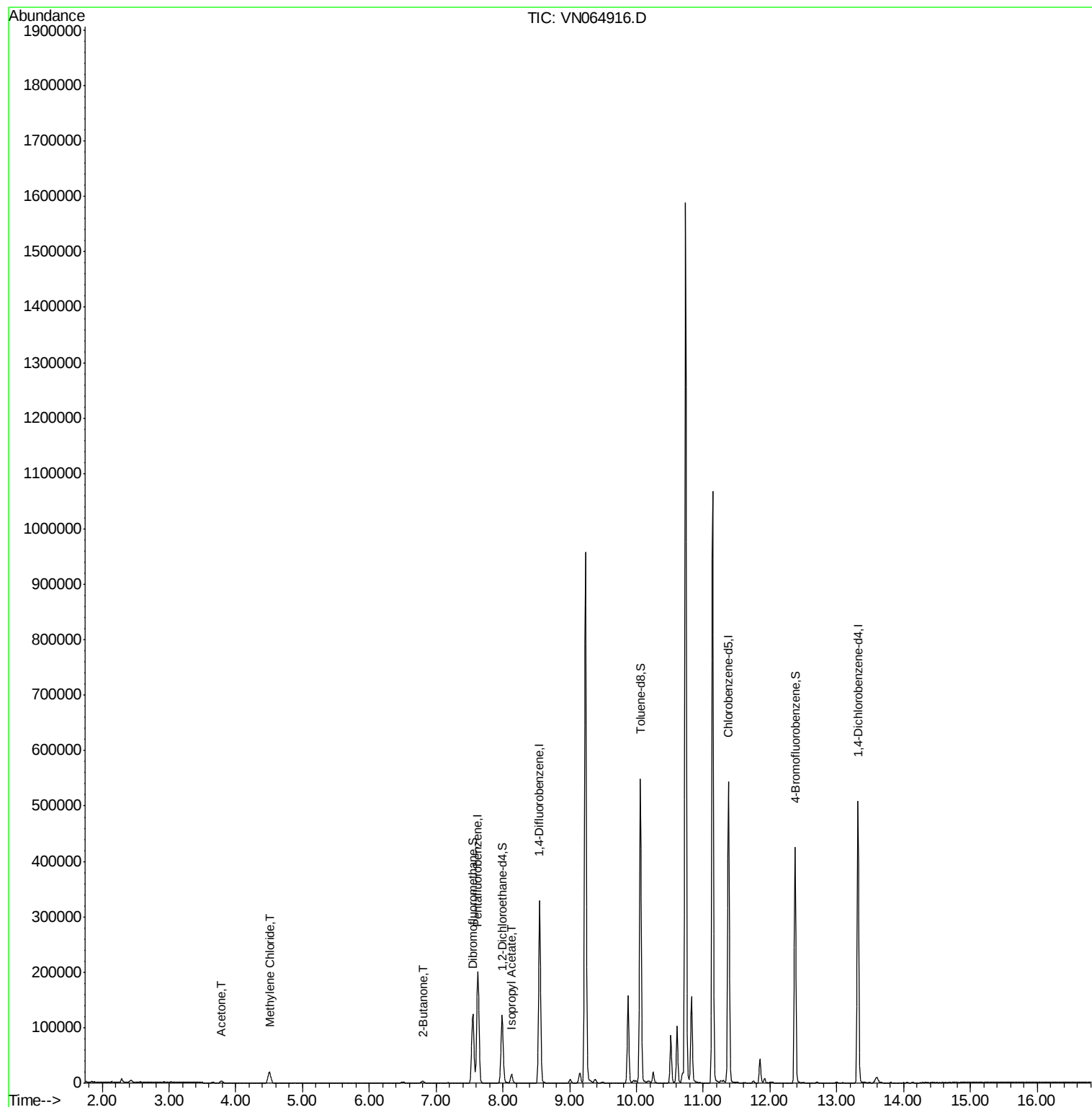
					Qvalue
16) Acetone	3.79	43	6370	9.765 ug/l	97
20) Methylene Chloride	4.50	84	16391	8.019 ug/l	86
25) 2-Butanone	6.80	43	5393	5.100 ug/l	90
43) Isopropyl Acetate	8.13	43	19057	4.333 ug/l	94

(#) = 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# 1831

Delta R.T. 0.00 min

Lab File: VN064916.D

Acq: 4 Dec 2020 14:05

Instrument :

MSVOA_N

ClientSampleId :

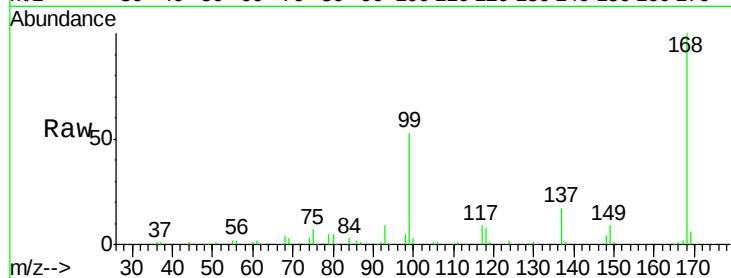
PB133386TB

Tot Ion:168 Resp: 170686

Ion Ratio Lower Upper

168 100

99 53.1 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

80000

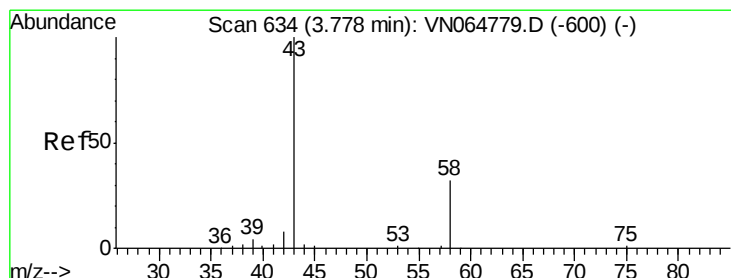
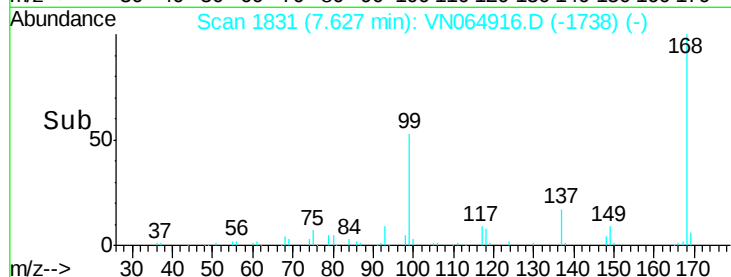
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 9.765 ug/l

RT: 3.79 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN064916.D

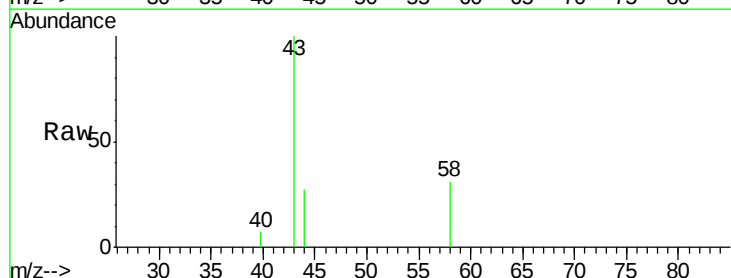
Acq: 4 Dec 2020 14:05

Tgt Ion: 43 Resp: 6370

Ion Ratio Lower Upper

43 100

58 30.6 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.79

2500

2000

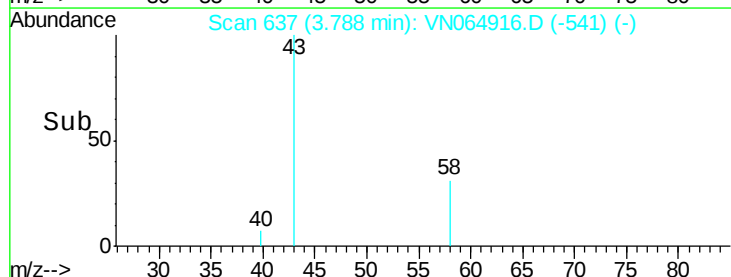
1500

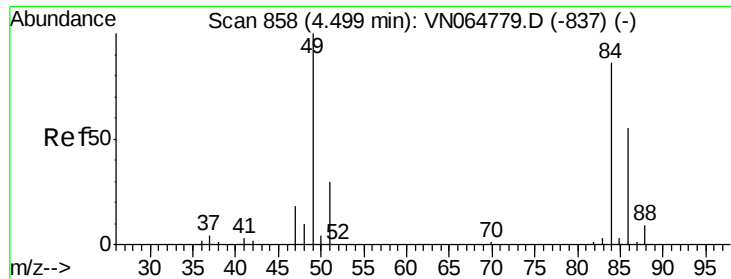
1000

500

0

Time-->

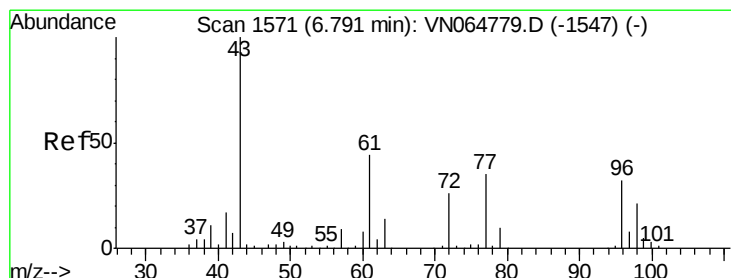
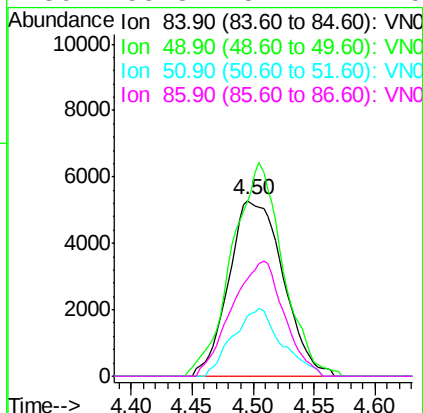
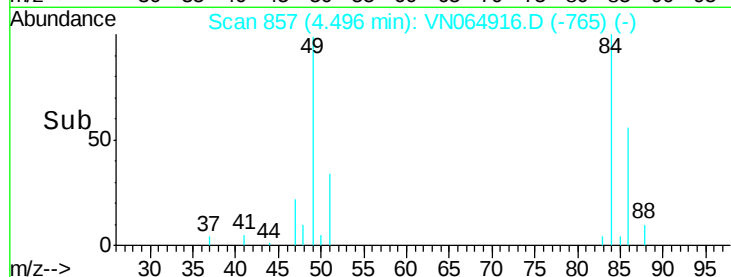
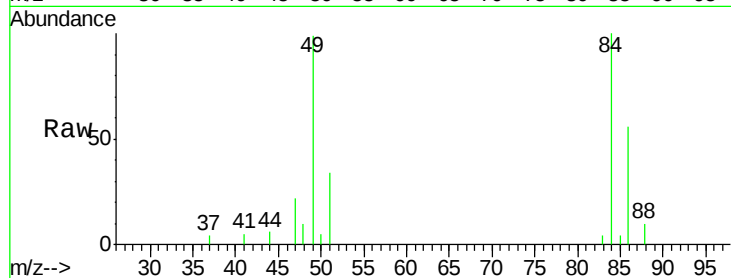




#20
Methvlene Chloride
Concen: 8.019 ug/l
RT: 4.50 min Scan# 857
Delta R.T. -0.00 min
Lab File: VN064916.D
Acq: 4 Dec 2020 14:05

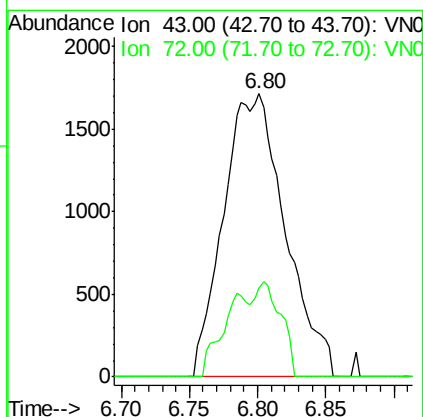
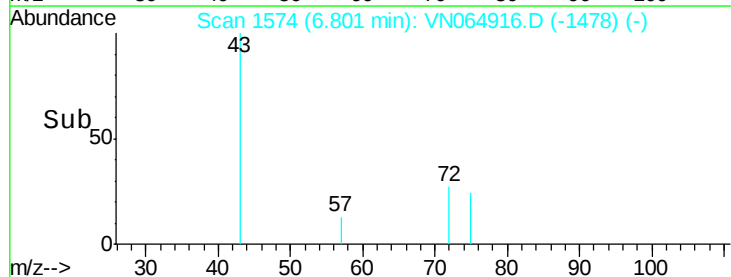
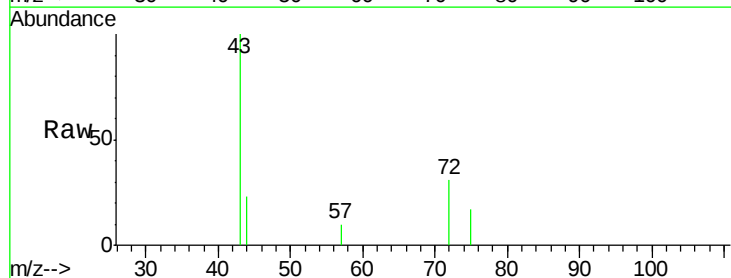
Instrument :
MSVOA_N
ClientSampleId :
PB133386TB

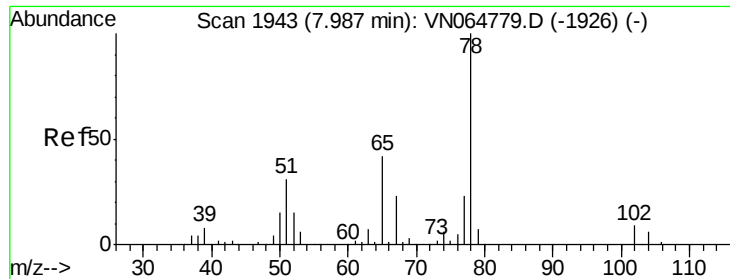
Tot Ion:	84	Resp:	16391
Ion	Ratio	Lower	Upper
84	100		
49	95.7	93.4	140.0
51	34.0	28.2	42.4
86	55.8	51.7	77.5



#25
2-Butanone
Concen: 5.100 ug/l
RT: 6.80 min Scan# 1574
Delta R.T. 0.01 min
Lab File: VN064916.D
Acq: 4 Dec 2020 14:05

Tgt Ion:	43	Resp:	5393
Ion	Ratio	Lower	Upper
43	100		
72	31.3	21.0	31.6





#33

1,2-Dichloroethane-d4

Concen: 53.761 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064916.D

Acq: 4 Dec 2020 14:05

Instrument :

MSVOA_N

ClientSampleId :

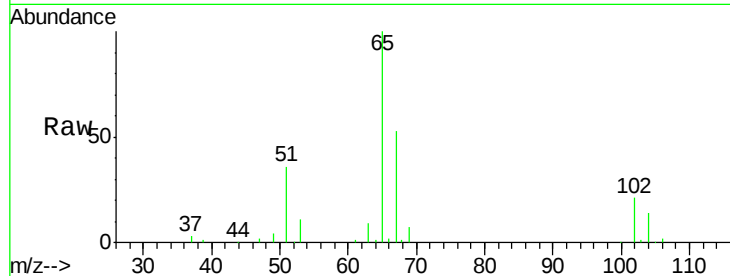
PB133386TB

Tot Ion: 65 Resp: 106680

Ion Ratio Lower Upper

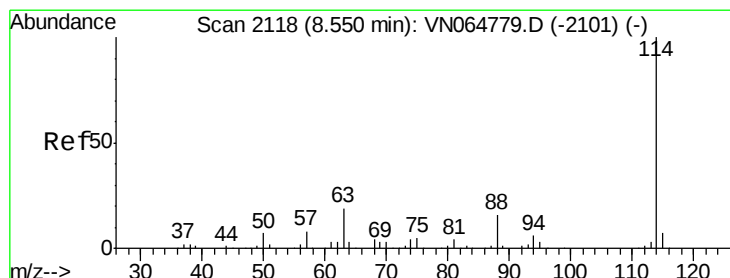
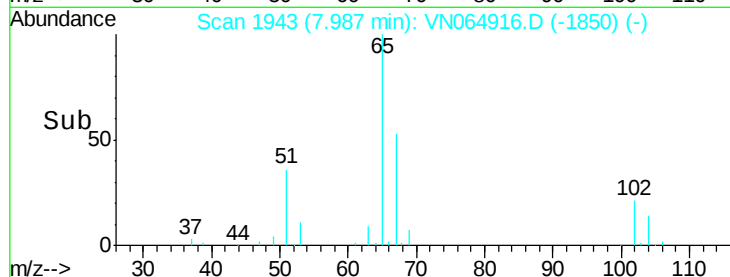
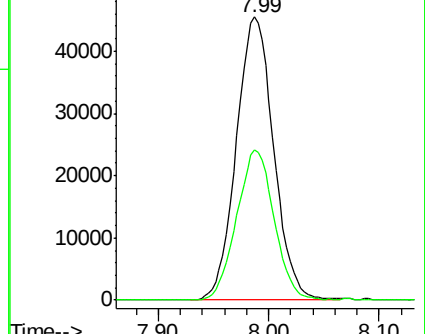
65 100

67 53.2 0.0 108.2



Abundance Ion 64.90 (64.60 to 65.60): VN064779.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN064779.D (-1926) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064916.D

Acq: 4 Dec 2020 14:05

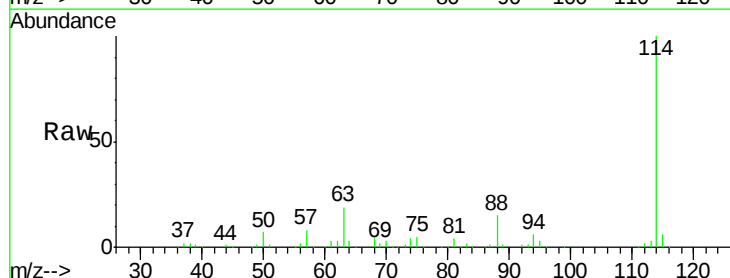
Tgt Ion: 114 Resp: 306094

Ion Ratio Lower Upper

114 100

63 18.6 0.0 38.6

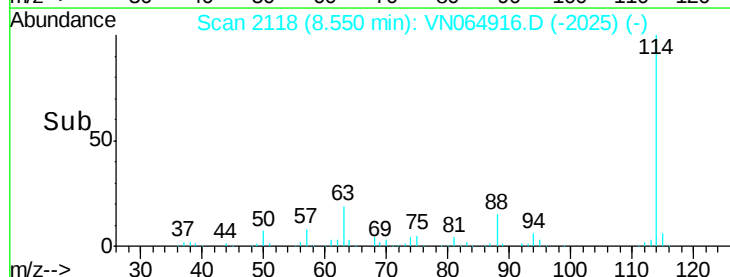
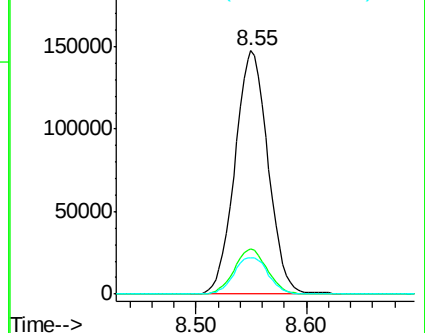
88 15.0 0.0 32.6

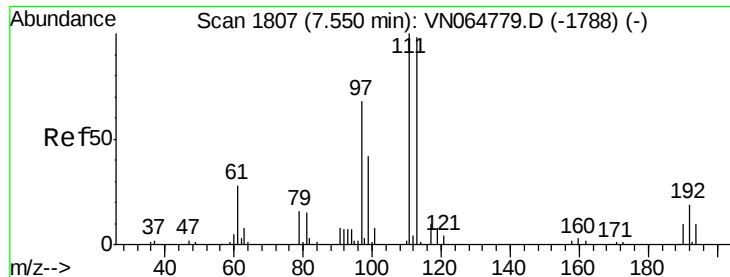


Abundance Ion 113.90 (113.60 to 114.60): VN064779.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN064779.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN064779.D (-2101) (-)

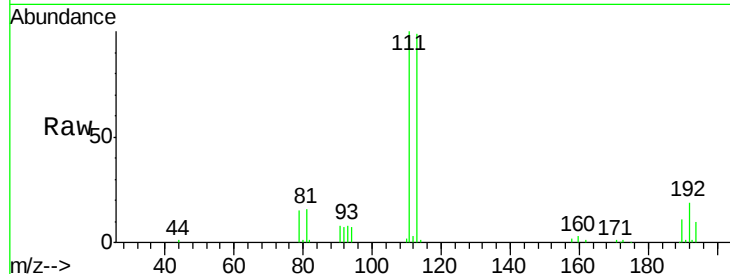




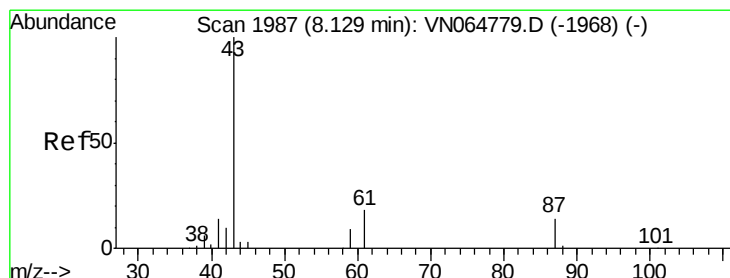
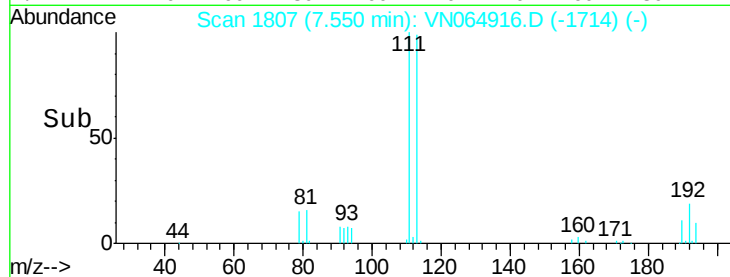
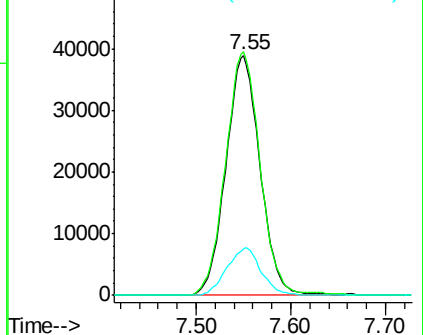
#35
Dibromofluoromethane
Concen: 52.970 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064916.D
Acq: 4 Dec 2020 14:05

Instrument :
MSVOA_N
ClientSampleId :
PB133386TB

Tot Ion:113 Resp: 97018
Ion Ratio Lower Upper
113 100
111 102.4 81.6 122.4
192 20.0 16.2 24.2

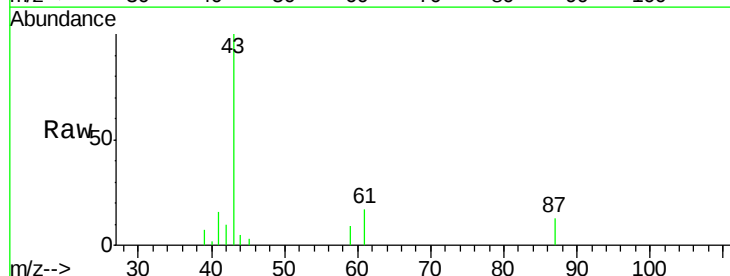


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

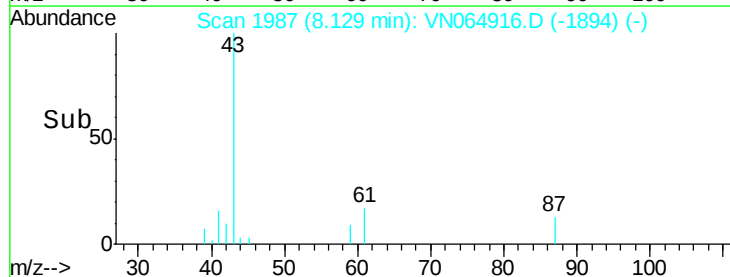
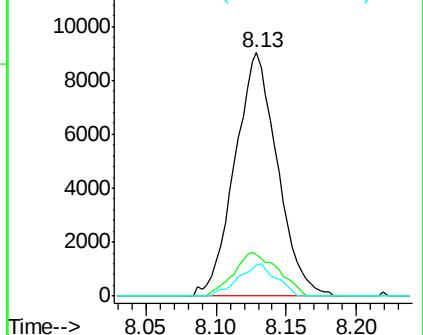


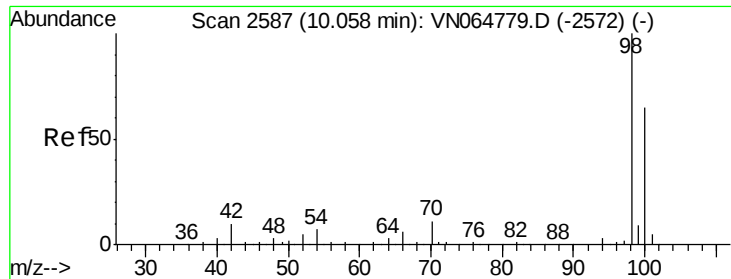
#43
Isopropyl Acetate
Concen: 4.333 ug/l
RT: 8.13 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN064916.D
Acq: 4 Dec 2020 14:05

Tgt Ion: 43 Resp: 19057
Ion Ratio Lower Upper
43 100
61 18.6 17.2 25.8
87 11.7 11.4 17.0



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





#50

Toluene-d8

Concen: 52.651 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064916.D

Acq: 4 Dec 2020 14:05

Instrument :

MSVOA_N

ClientSampleId :

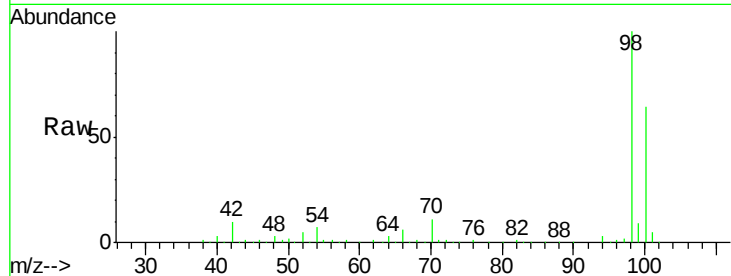
PB133386TB

Tot Ion: 98 Resp: 394023

Ion Ratio Lower Upper

98 100

100 64.4 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

250000

200000

150000

100000

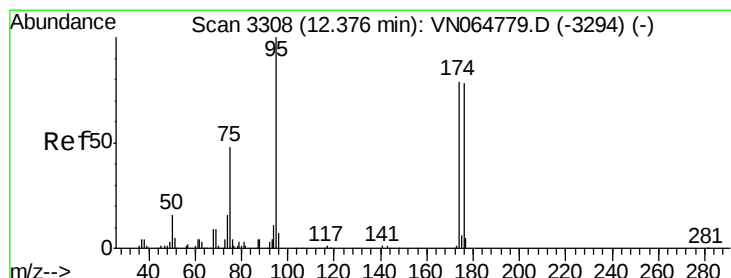
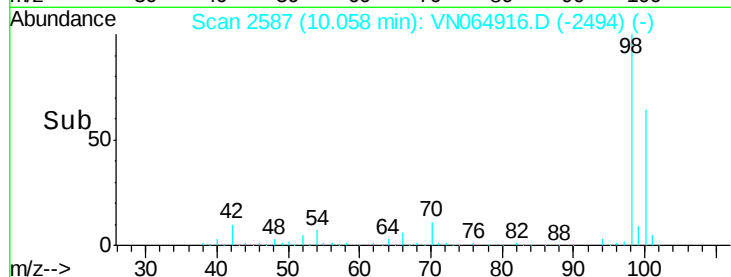
50000

0

10.00

10.10

Time-->



#62

4-Bromofluorobenzene

Concen: 57.228 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064916.D

Acq: 4 Dec 2020 14:05

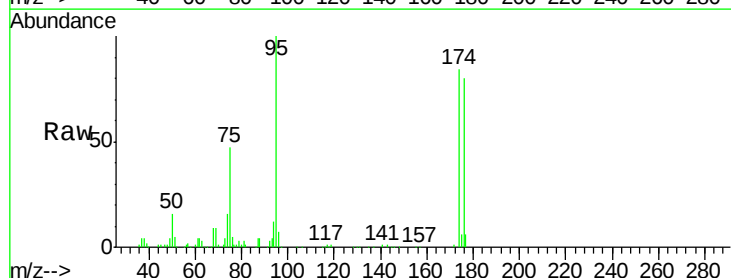
Tgt Ion: 95 Resp: 153271

Ion Ratio Lower Upper

95 100

174 83.3 0.0 160.4

176 79.1 0.0 158.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

60000

40000

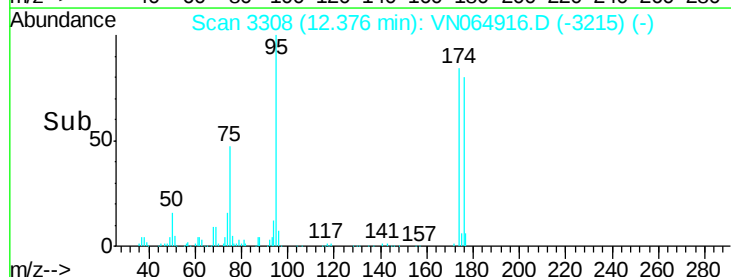
20000

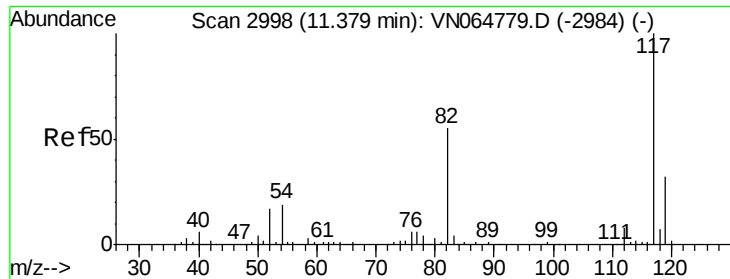
0

12.30

12.40

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN064916.D

Acq: 4 Dec 2020 14:05

Instrument :

MSVOA_N

ClientSampleId :

PB133386TB

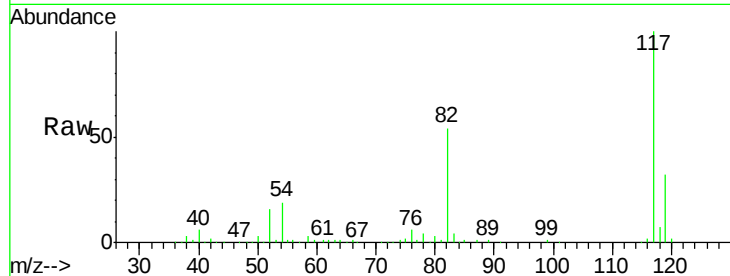
Tot Ion:117 Resp: 331179

Ion Ratio Lower Upper

117 100

82 54.5 44.2 66.2

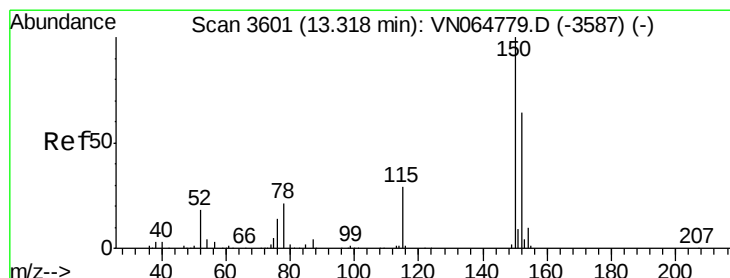
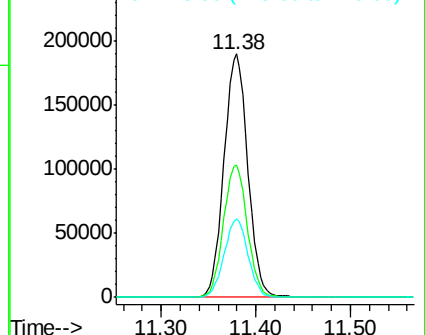
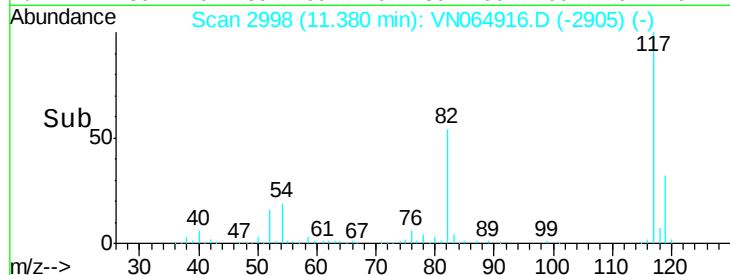
119 32.5 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064916.D

Acq: 4 Dec 2020 14:05

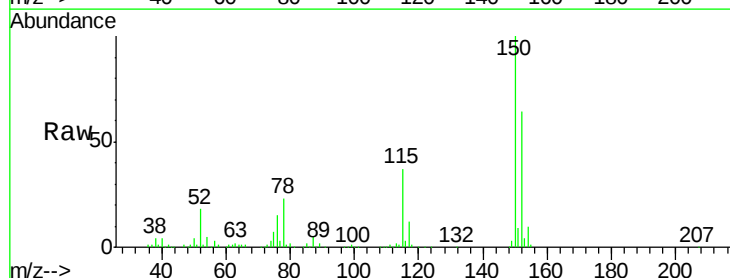
Tgt Ion:152 Resp: 147462

Ion Ratio Lower Upper

152 100

115 57.9 29.7 89.1

150 154.8 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

