

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031320\
 Data File : VN060499.D
 Acq On : 13 Mar 2020 13:56
 Operator : JC/MD
 Sample : PB127506TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127506TB

Quant Time: Mar 16 08:44:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

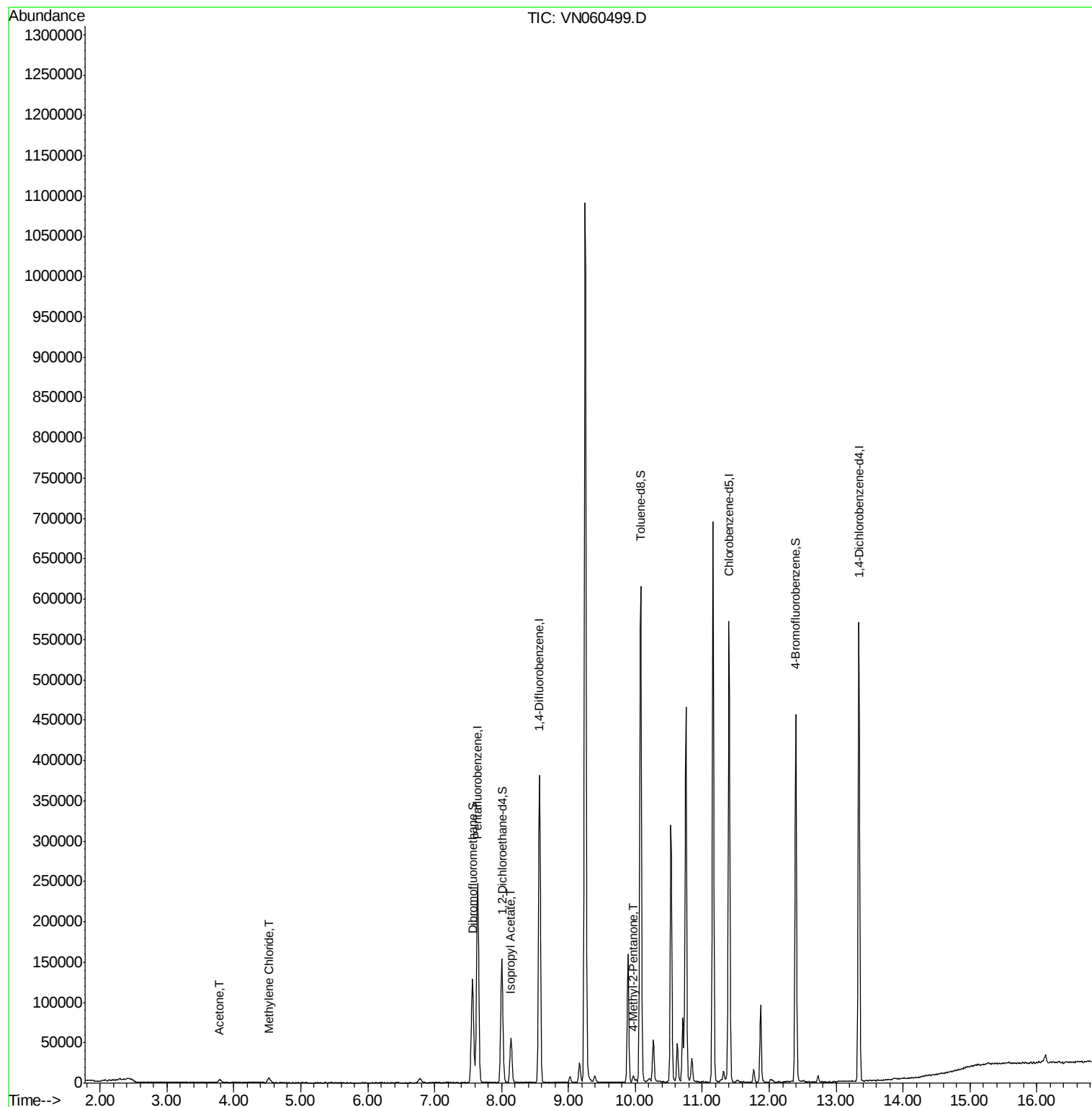
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	202110	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	334432	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	317988	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	150321	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	134115	51.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.44%	
35) Dibromofluoromethane	7.57	113	99620	64.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	128.34%	
50) Toluene-d8	10.08	98	417085	53.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.18%	
62) 4-Bromofluorobenzene	12.40	95	157212	52.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.58%	
Target Compounds						
16) Acetone	3.79	43	6846	8.175	ug/l	100
20) Methylene Chloride	4.52	84	4881	2.122	ug/l	95
43) Isopropyl Acetate	8.14	43	66279	12.545	ug/l #	90
51) 4-Methyl-2-Pentanone	9.97	43	6290	2.100	ug/l	90

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060499.D

Acq: 13 Mar 2020 13:56

Instrument :

MSVOA_N

ClientSampleId :

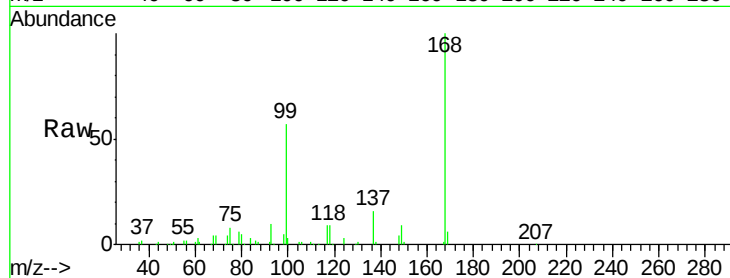
PB127506TB

Tot Ion:168 Resp: 202110

Ion Ratio Lower Upper

168 100

99 57.3 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

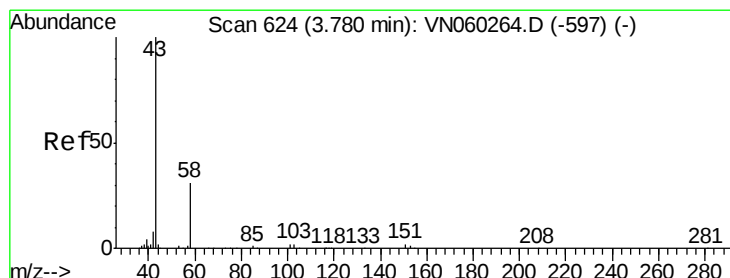
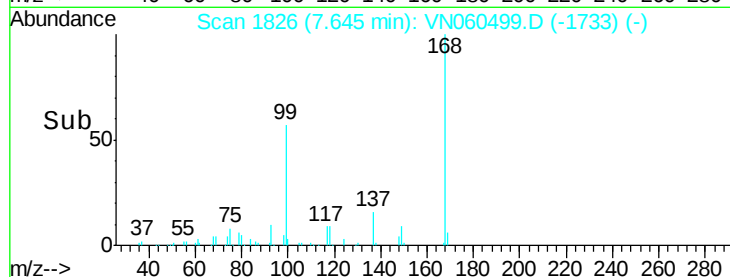
40000

20000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#16

Acetone

Concen: 8.175 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060499.D

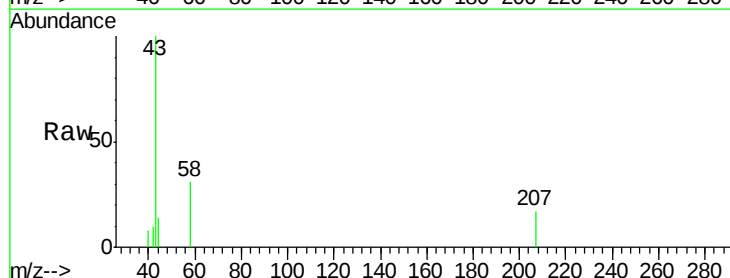
Acq: 13 Mar 2020 13:56

Tgt Ion: 43 Resp: 6846

Ion Ratio Lower Upper

43 100

58 30.7 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.79

2500

2000

1500

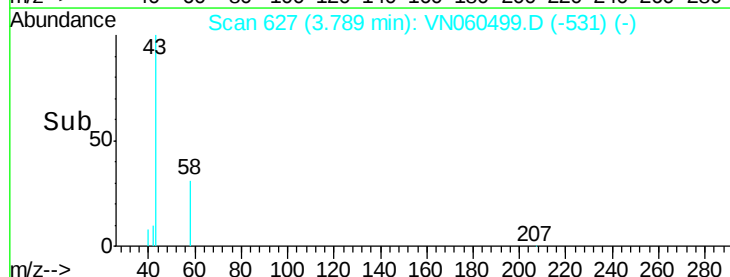
1000

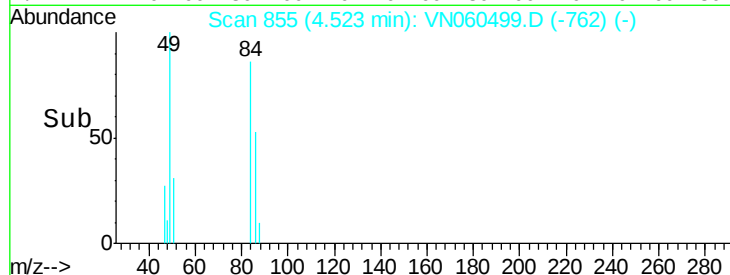
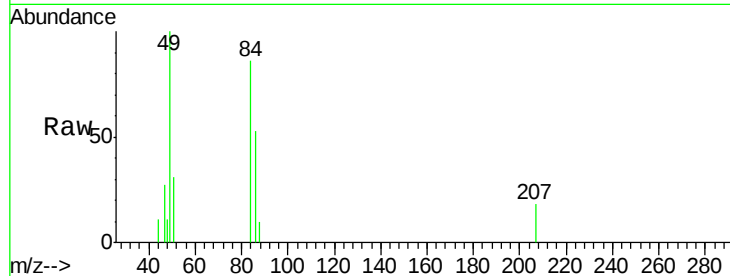
500

0

3.70 3.75 3.80 3.85 3.90

Time-->

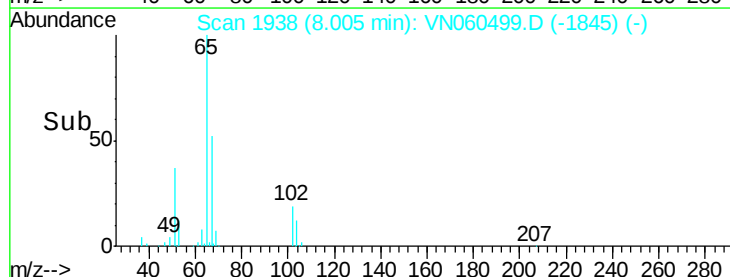
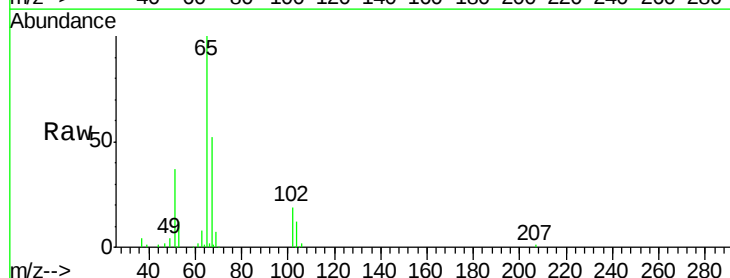
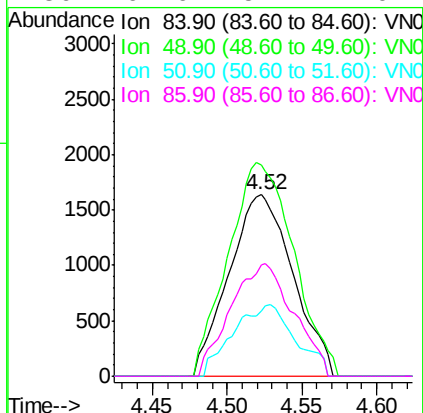




#20
Methvlene Chloride
Concen: 2.122 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060499.D
Acq: 13 Mar 2020 13:56

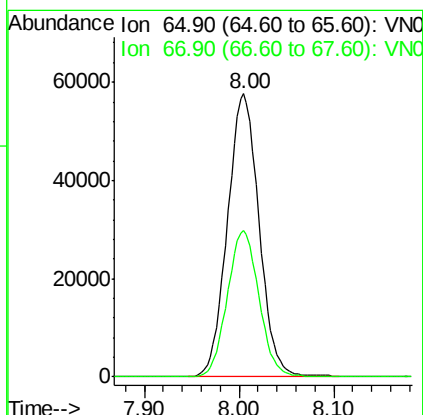
Instrument :
MSVOA_N
ClientSampleId :
PB127506TB

Tot Ion:	84	Resp:	4881
Ion	Ratio	Lower	Upper
84	100		
49	116.4	99.3	148.9
51	36.3	30.1	45.1
86	61.6	51.1	76.7



#33
1,2-Dichloroethane-d4
Concen: 51.720 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN060499.D
Acq: 13 Mar 2020 13:56

Tgt Ion:	65	Resp:	134115
Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	103.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN060499.D

Acq: 13 Mar 2020 13:56

Instrument :

MSVOA_N

ClientSampleId :

PB127506TB

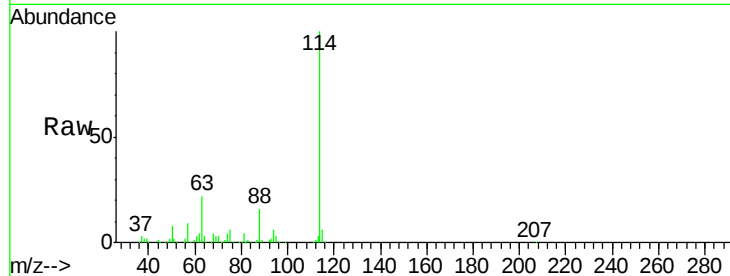
Tot Ion:114 Resp: 334432

Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.2

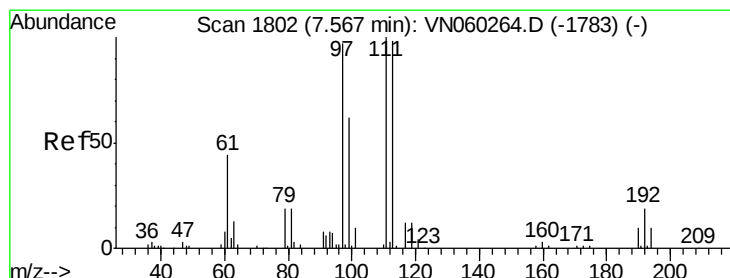
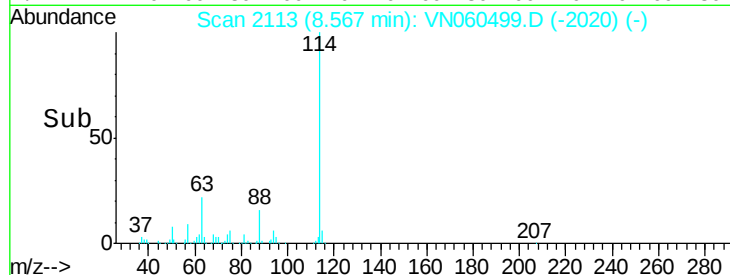
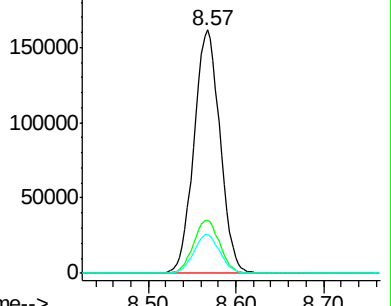
88 16.1 0.0 31.6



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: 64.175 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060499.D

Acq: 13 Mar 2020 13:56

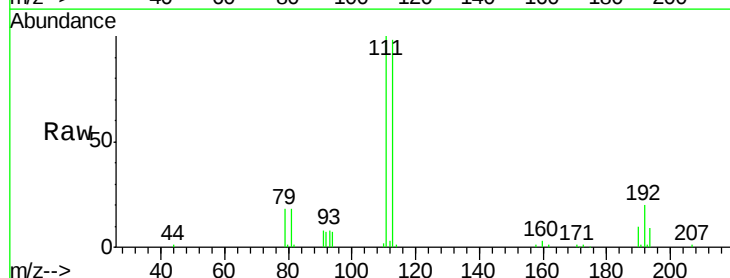
Tgt Ion:113 Resp: 99620

Ion Ratio Lower Upper

113 100

111 102.4 82.4 123.6

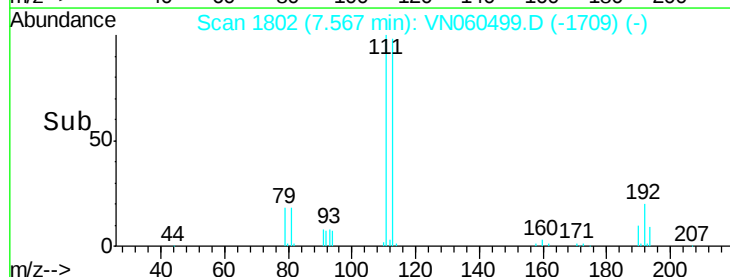
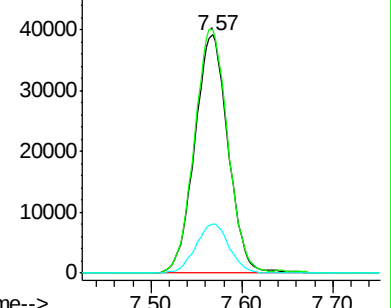
192 20.7 16.2 24.2

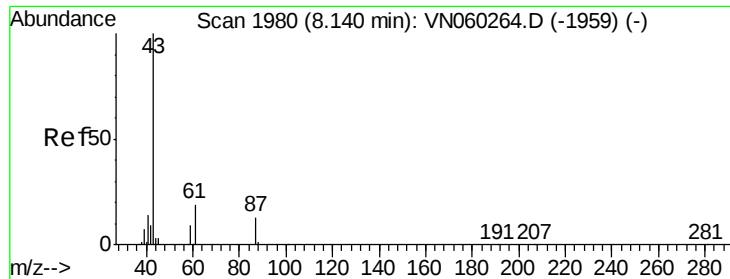


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 12.545 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060499.D

Acq: 13 Mar 2020 13:56

Instrument :

MSVOA_N

ClientSampleId :

PB127506TB

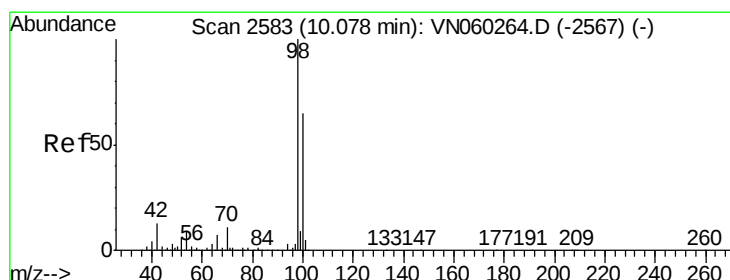
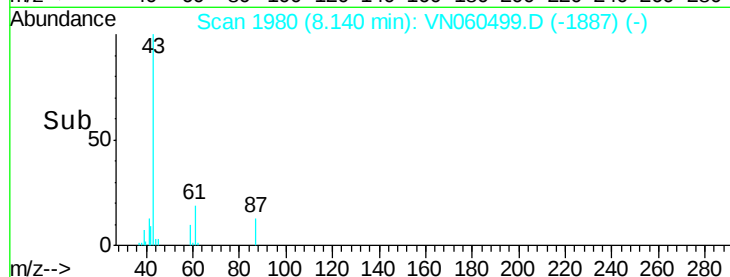
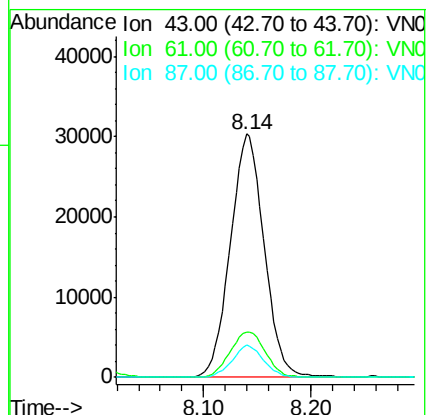
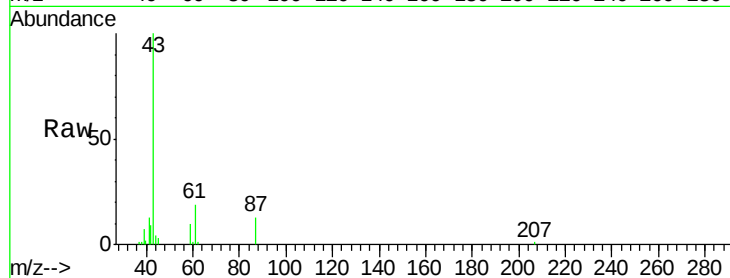
Tot Ion: 43 Resp: 66279

Ion Ratio Lower Upper

43 100

61 19.4 20.9 31.3#

87 12.2 10.6 16.0



#50

Toluene-d8

Concen: 53.088 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060499.D

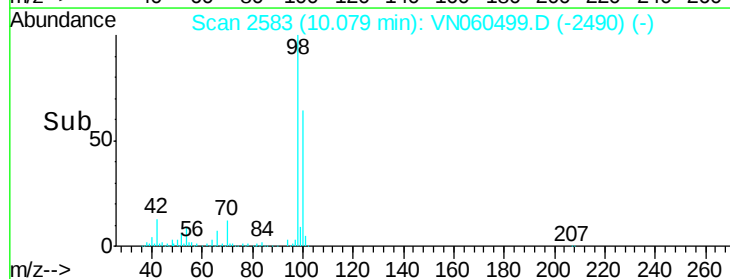
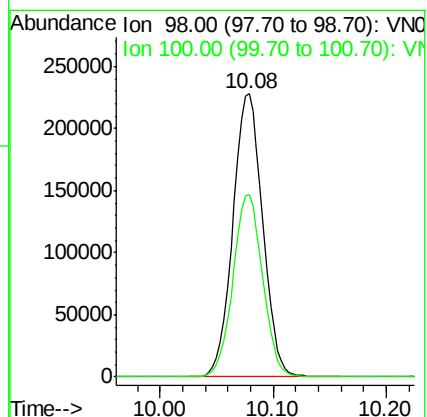
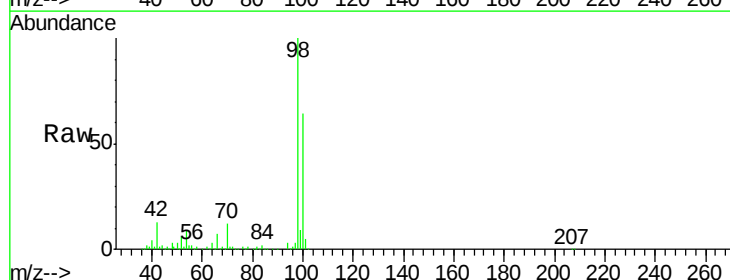
Acq: 13 Mar 2020 13:56

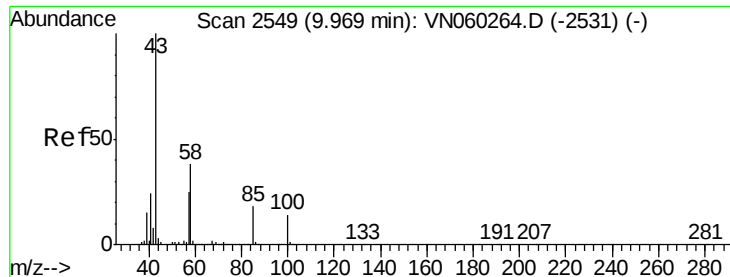
Tgt Ion: 98 Resp: 417085

Ion Ratio Lower Upper

98 100

100 64.0 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 2.100 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060499.D

Acq: 13 Mar 2020 13:56

Instrument :

MSVOA_N

ClientSampleID :

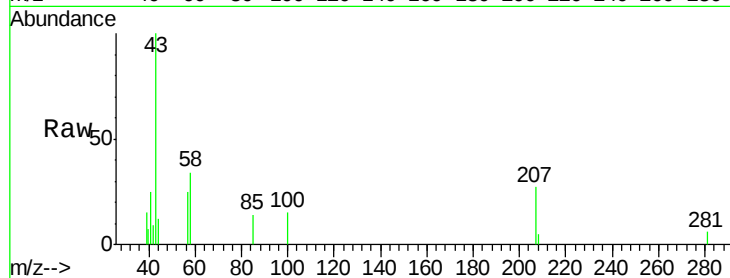
PB127506TB

Tot Ion: 43 Resp: 6290

Ion Ratio Lower Upper

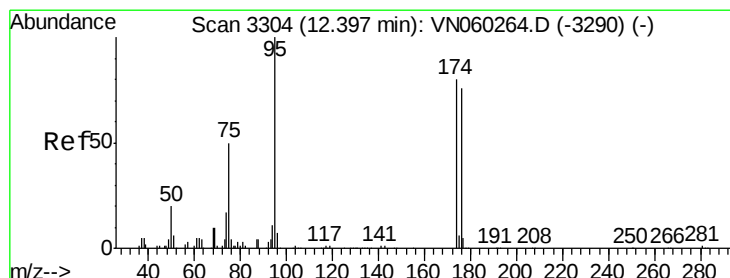
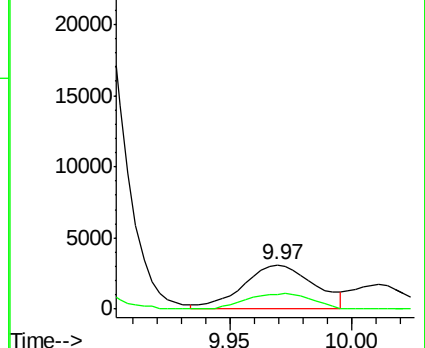
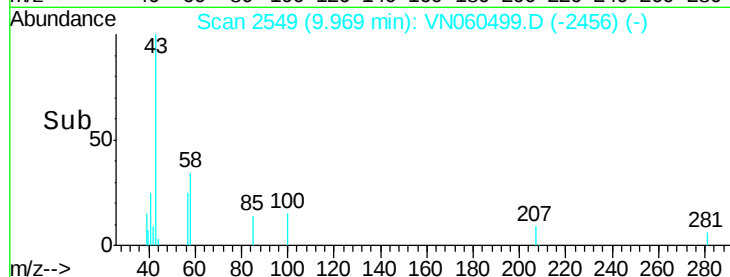
43 100

58 32.3 30.9 46.3



Abundance Ion 43.00 (42.70 to 43.70): VN060499.D (-2456) (-)

Ion 58.00 (57.70 to 58.70): VN060499.D (-2456) (-)



#62

4-Bromofluorobenzene

Concen: 52.787 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060499.D

Acq: 13 Mar 2020 13:56

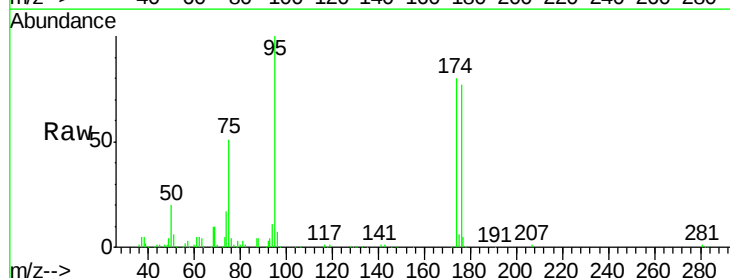
Tgt Ion: 95 Resp: 157212

Ion Ratio Lower Upper

95 100

174 78.6 0.0 159.2

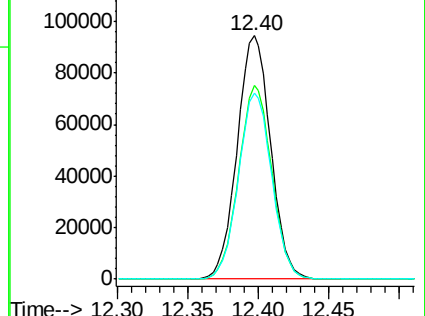
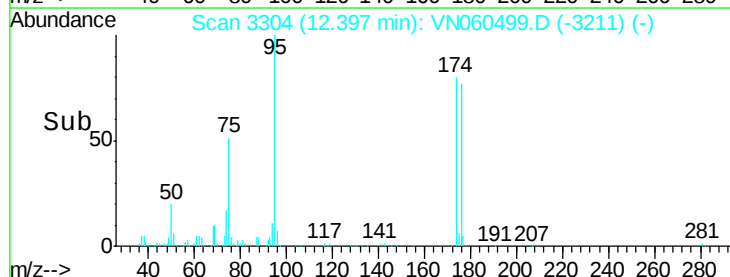
176 76.4 0.0 153.8

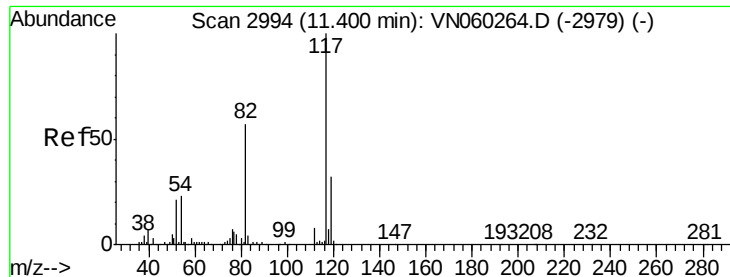


Abundance Ion 94.90 (94.60 to 95.60): VN060499.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060499.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060499.D (-3211) (-)





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060499.D

Acq: 13 Mar 2020 13:56

Instrument :

MSVOA_N

ClientSampleId :

PB127506TB

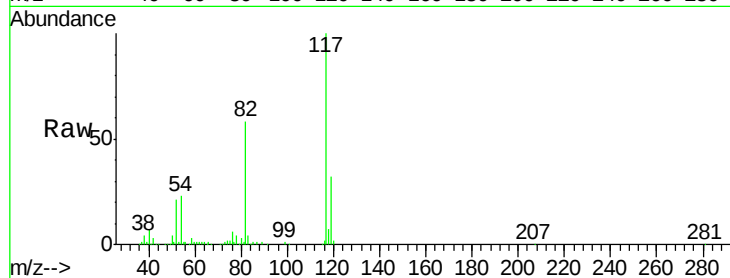
Tot Ion:117 Resp: 317988

Ion Ratio Lower Upper

117 100

82 57.9 45.8 68.6

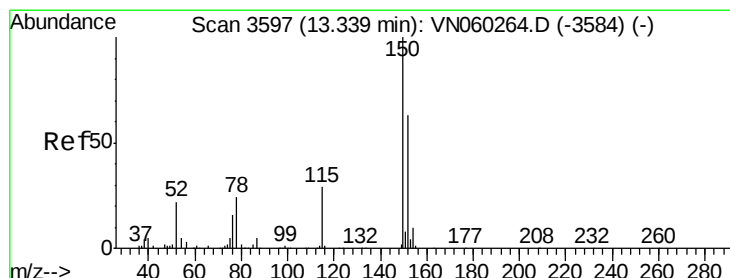
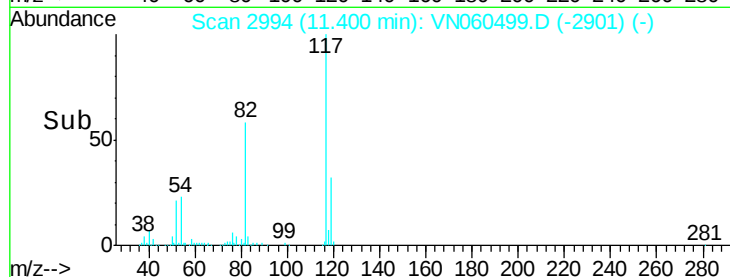
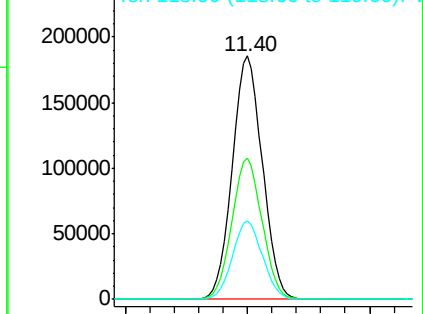
119 32.3 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060499.D

Acq: 13 Mar 2020 13:56

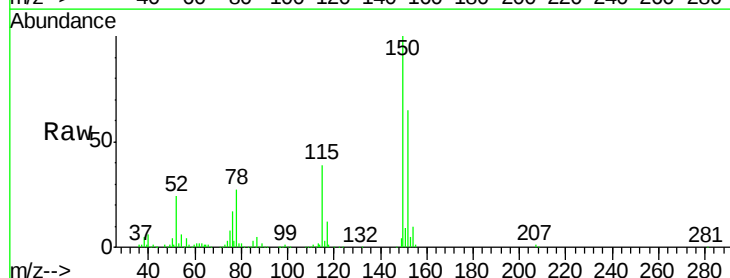
Tgt Ion:152 Resp: 150321

Ion Ratio Lower Upper

152 100

115 60.1 30.0 90.0

150 156.4 0.0 349.6



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

