

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN103119\
 Data File : VN059037.D
 Acq On : 31 Oct 2019 14:17
 Operator : JC/SP
 Sample : K5615-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 3465

Quant Time: Nov 01 02:33:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

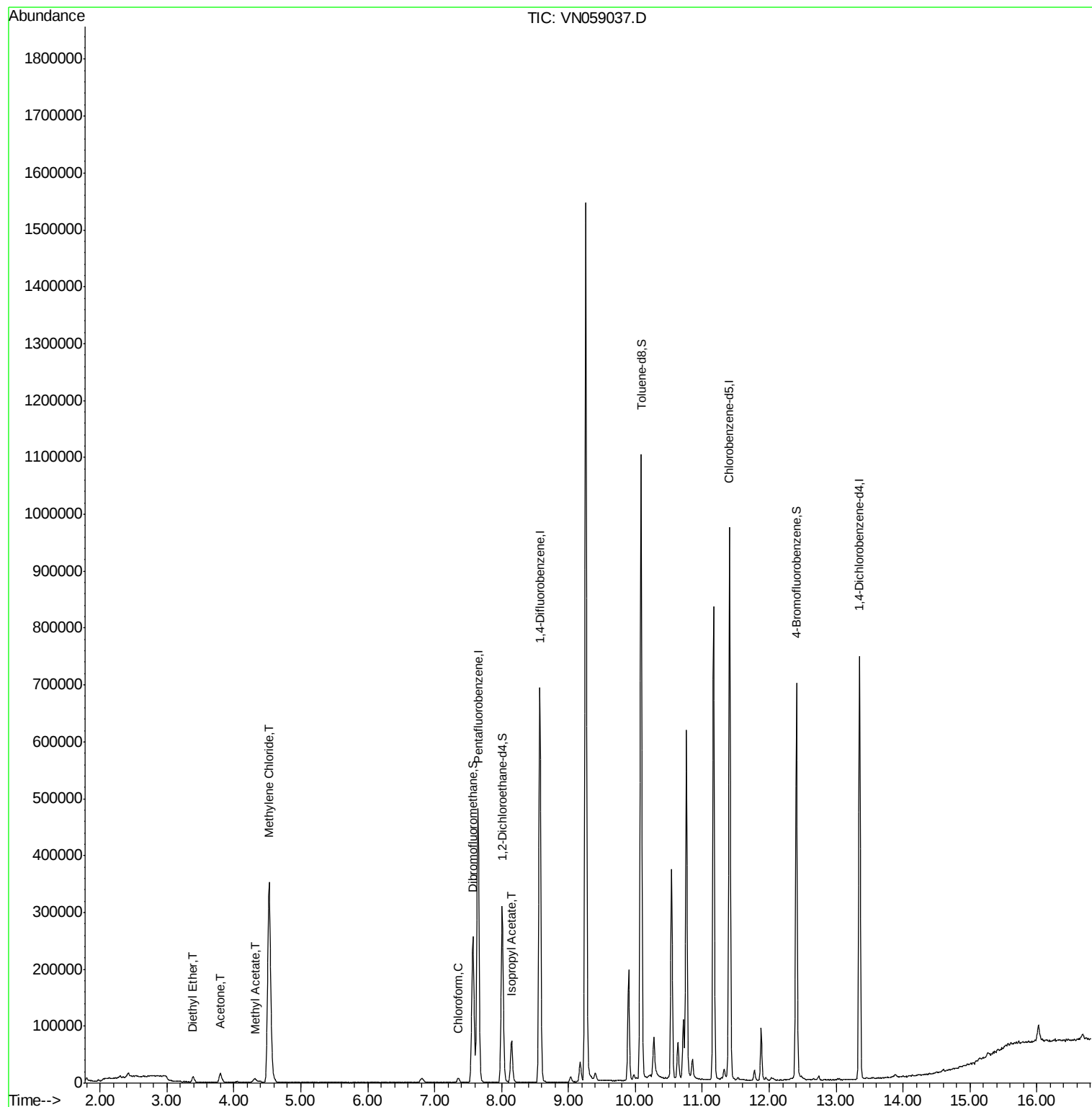
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	384648	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	604087	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	552041	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	197547	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	265771	47.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.22%	
35) Dibromofluoromethane	7.57	113	197220	49.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.32%	
50) Toluene-d8	10.09	98	769195	49.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.78%	
62) 4-Bromofluorobenzene	12.41	95	242536	42.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.68%	
Target Compounds						
8) Diethyl Ether	3.39	74	4579	1.816	ug/l	97
16) Acetone	3.80	43	28182	10.109	ug/l	92
18) Methyl Acetate	4.31	43	11385	1.796	ug/l	92
20) Methylene Chloride	4.53	84	267868	56.274	ug/l	96
30) Chloroform	7.36	83	8854	1.014	ug/l	89
43) Isopropyl Acetate	8.15	43	87571	8.103	ug/l #	91

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059037.D

Acq: 31 Oct 2019 14:17

Instrument :

MSVOA_N

ClientSampled :

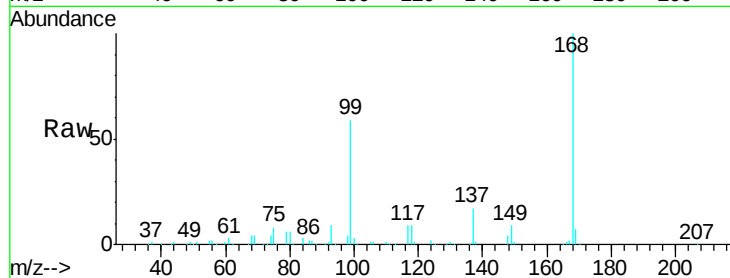
3465

Tgt Ion:168 Resp: 384648

Ion Ratio Lower Upper

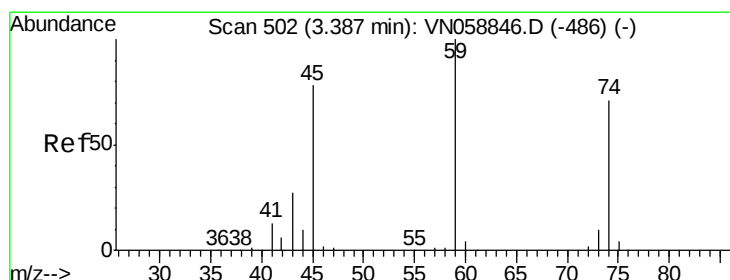
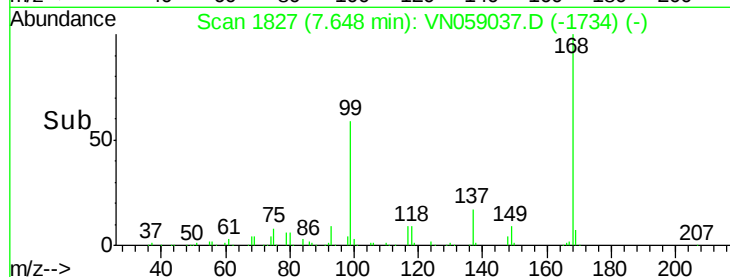
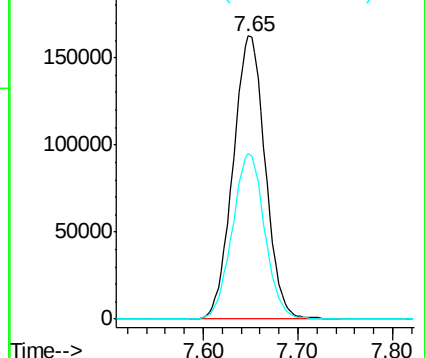
168 100

99 58.6 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#8

Diethyl Ether

Concen: 1.816 ug/l

RT: 3.39 min Scan# 503

Delta R.T. 0.00 min

Lab File: VN059037.D

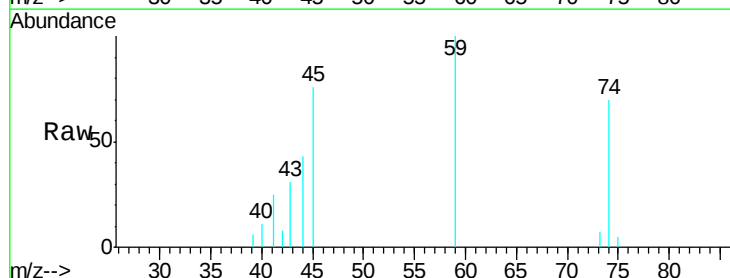
Acq: 31 Oct 2019 14:17

Tgt Ion: 74 Resp: 4579

Ion Ratio Lower Upper

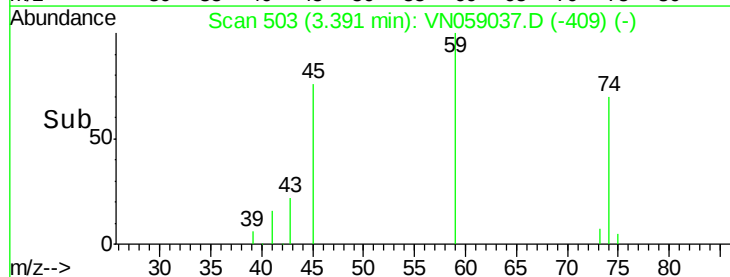
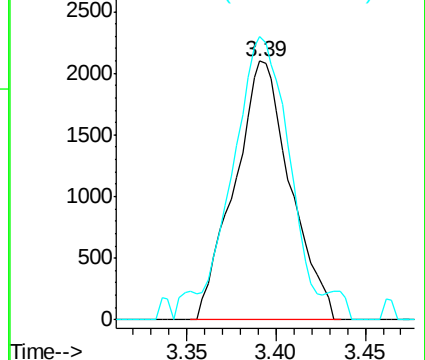
74 100

45 112.7 54.9 164.5



Abundance Ion 74.00 (73.70 to 74.70): VN

Ion 45.00 (44.70 to 45.70): VN





#16

Acetone

Concen: 10.109 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN059037.D

Acq: 31 Oct 2019 14:17

Instrument :

MSVOA_N

ClientSampleId :

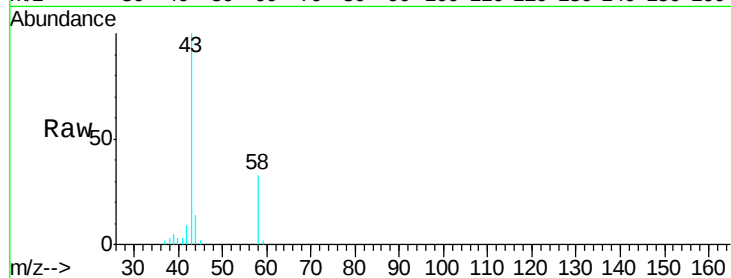
3465

Tgt Ion: 43 Resp: 28182

Ion Ratio Lower Upper

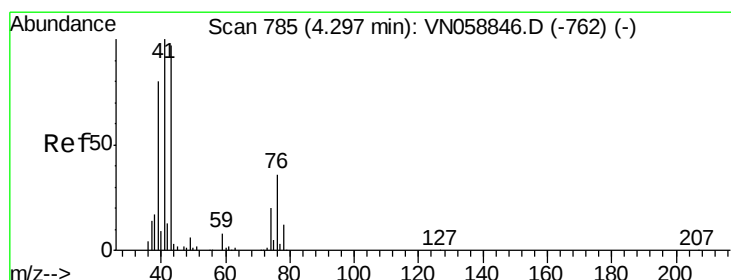
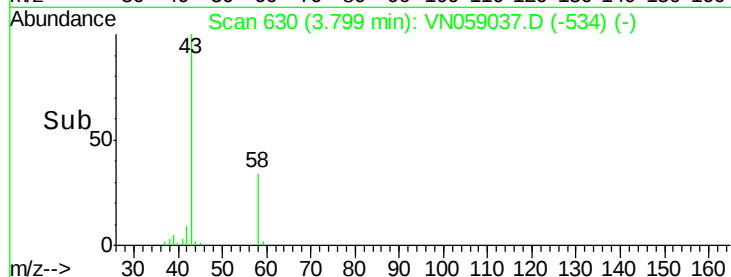
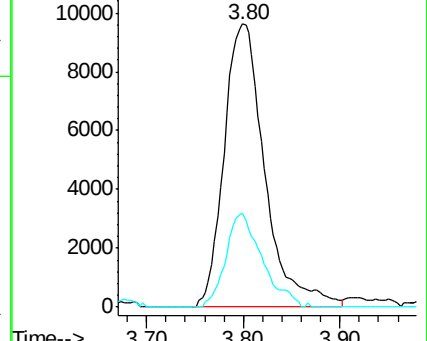
43 100

58 33.1 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 1.796 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.01 min

Lab File: VN059037.D

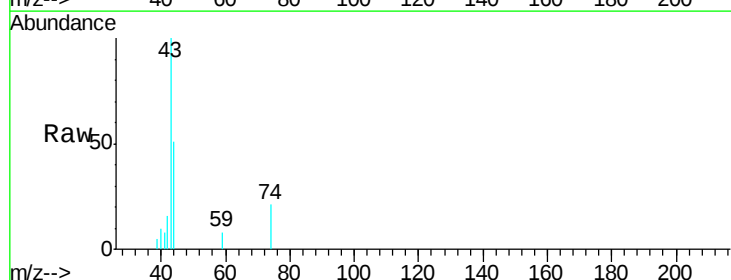
Acq: 31 Oct 2019 14:17

Tgt Ion: 43 Resp: 11385

Ion Ratio Lower Upper

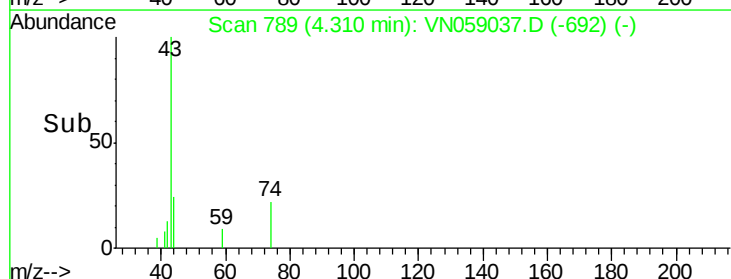
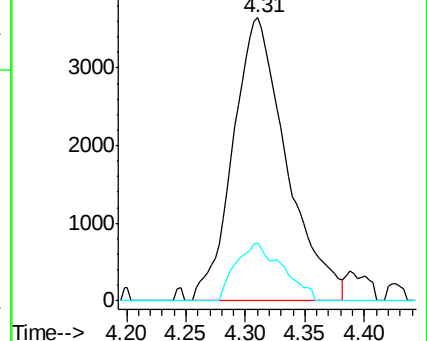
43 100

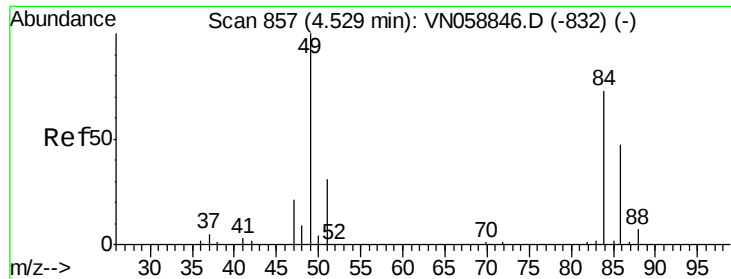
74 17.8 17.1 25.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

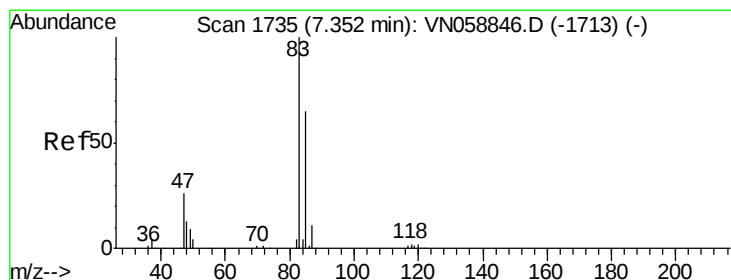
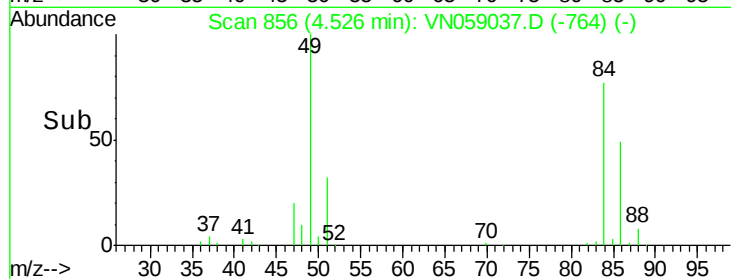
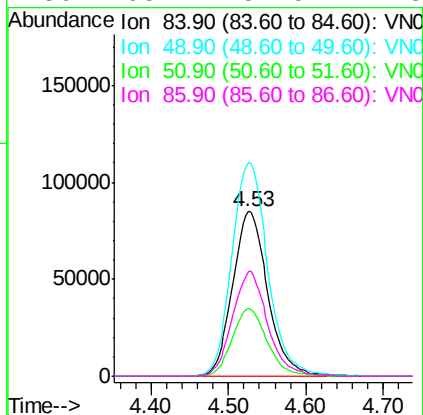
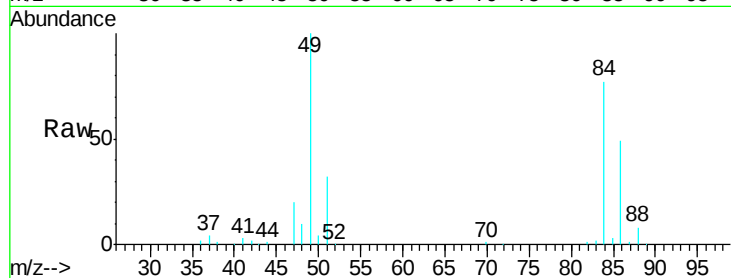




#20
Methylene Chloride
Concen: 56.274 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN059037.D
Acq: 31 Oct 2019 14:17

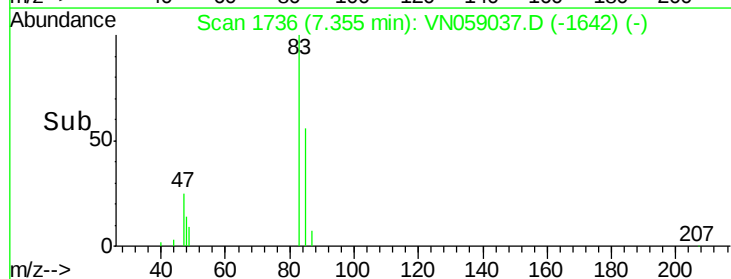
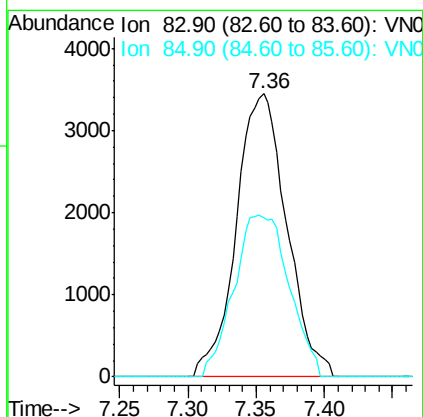
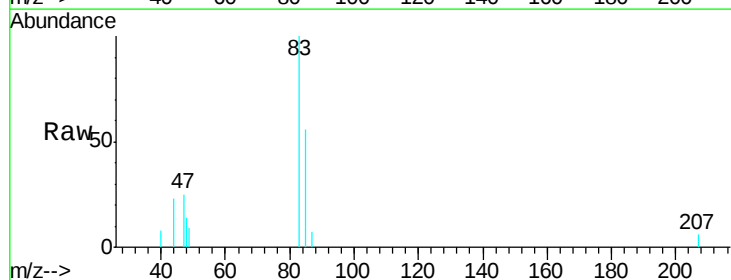
Instrument :
MSVOA_N
ClientSampled :
3465

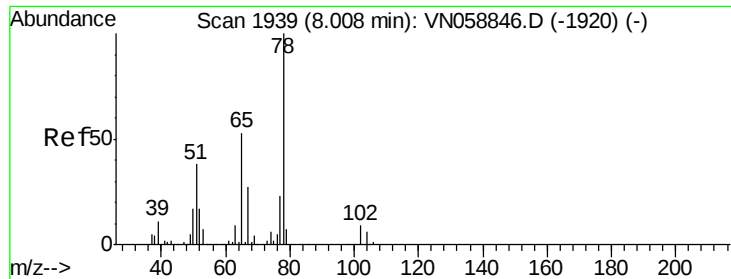
Tgt Ion: 84 Resp: 267868
Ion Ratio Lower Upper
84 100
49 129.4 109.6 164.4
51 40.9 33.8 50.6
86 63.4 51.5 77.3



#30
Chloroform
Concen: 1.014 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN059037.D
Acq: 31 Oct 2019 14:17

Tgt Ion: 83 Resp: 8854
Ion Ratio Lower Upper
83 100
85 56.4 51.9 77.9

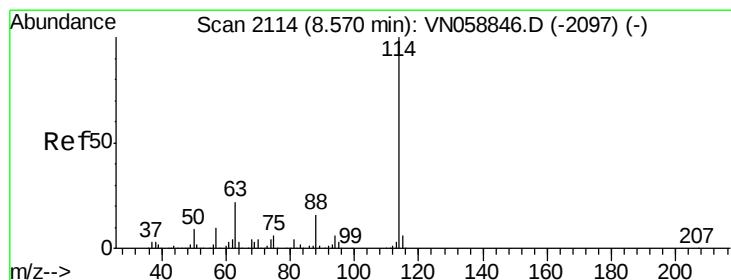
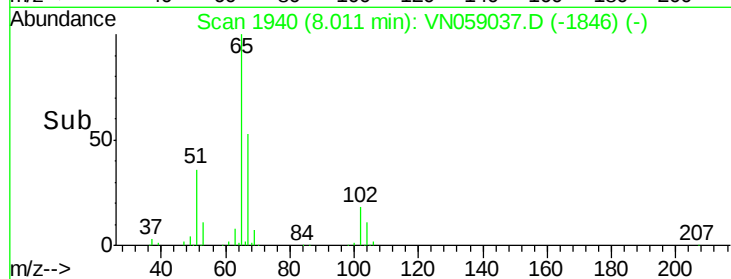
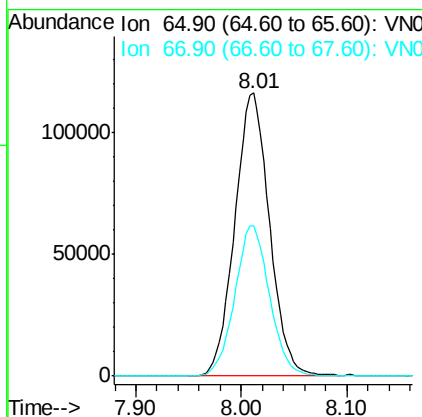
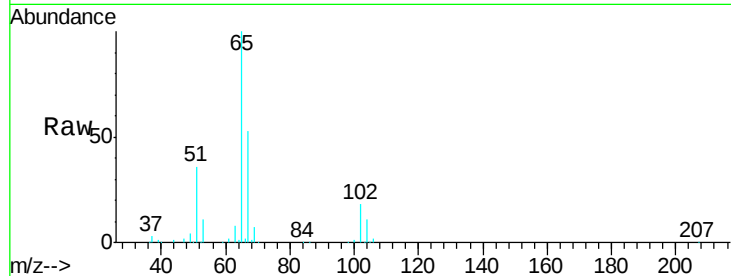




#33
 1,2-Dichloroethane-d4
 Concen: 47.110 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN059037.D
 Acq: 31 Oct 2019 14:17

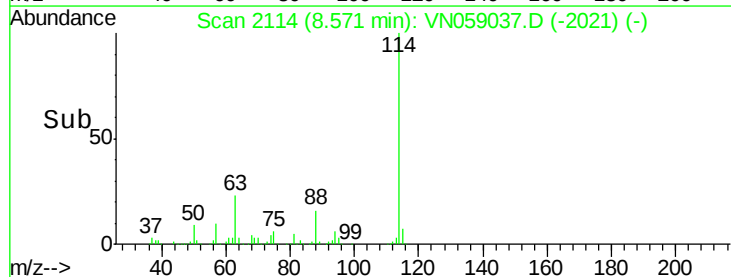
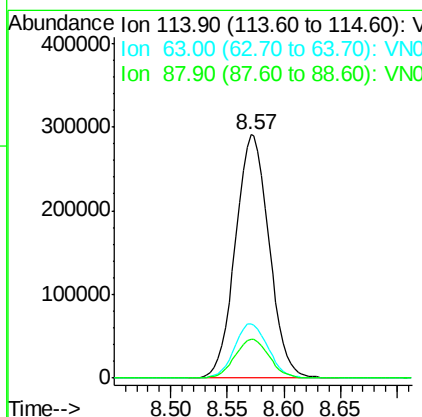
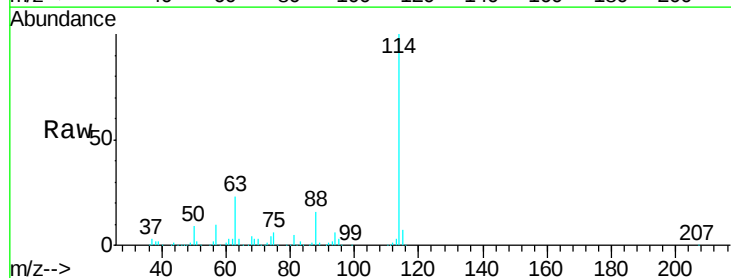
Instrument :
 MSVOA_N
 ClientSampled :
 3465

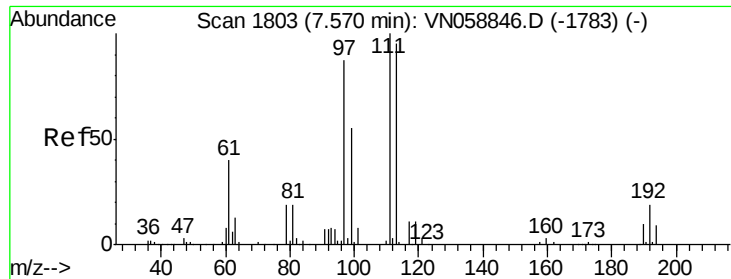
Tgt Ion: 65 Resp: 265771
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059037.D
 Acq: 31 Oct 2019 14:17

Tgt Ion: 114 Resp: 604087
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 44.4
 88 16.2 0.0 31.4

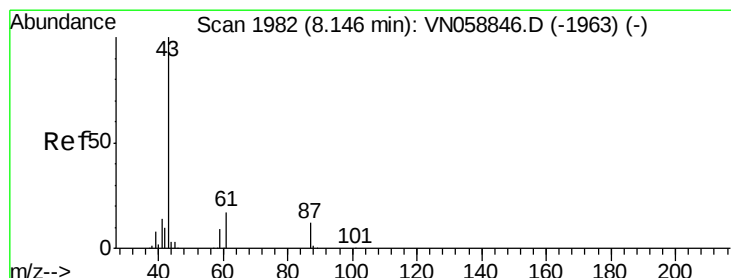
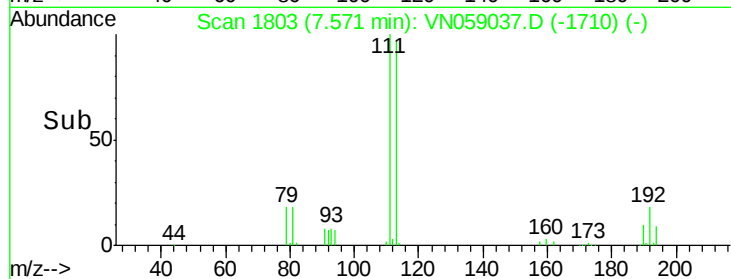
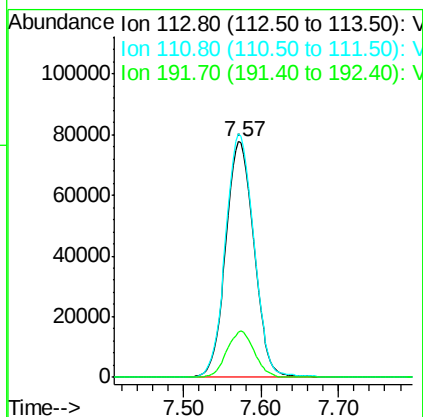
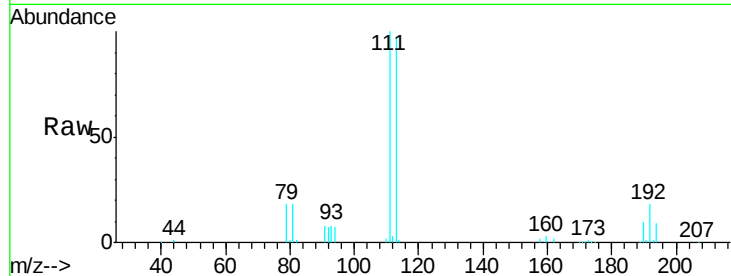




#35
 Dibromofluoromethane
 Concen: 49.656 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059037.D
 Acq: 31 Oct 2019 14:17

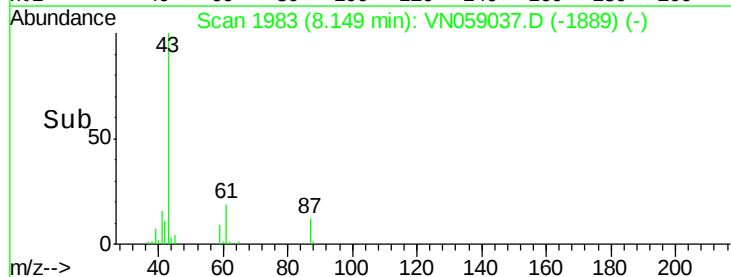
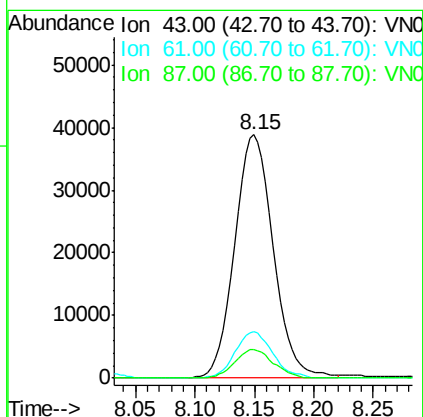
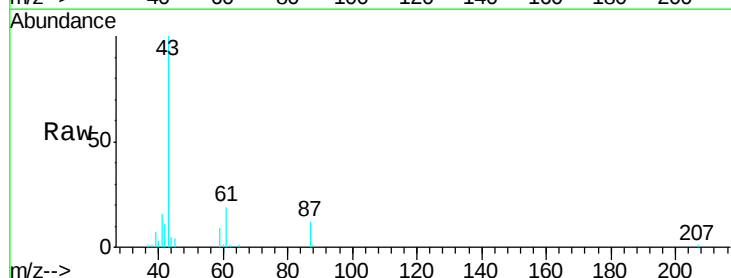
Instrument :
 MSVOA_N
 ClientSampled :
 3465

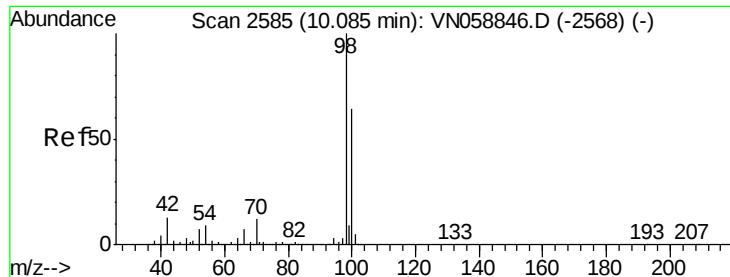
Tgt Ion: 113 Resp: 197220
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.0 123.0
 192 18.8 15.0 22.6



#43
 Isopropyl Acetate
 Concen: 8.103 ug/l
 RT: 8.15 min Scan# 1983
 Delta R.T. 0.00 min
 Lab File: VN059037.D
 Acq: 31 Oct 2019 14:17

Tgt Ion: 43 Resp: 87571
 Ion Ratio Lower Upper
 43 100
 61 18.5 20.2 30.2#
 87 11.6 9.5 14.3





#50

Toluene-d8

Concen: 49.891 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN059037.D

Acq: 31 Oct 2019 14:17

Instrument :

MSVOA_N

ClientSampled :

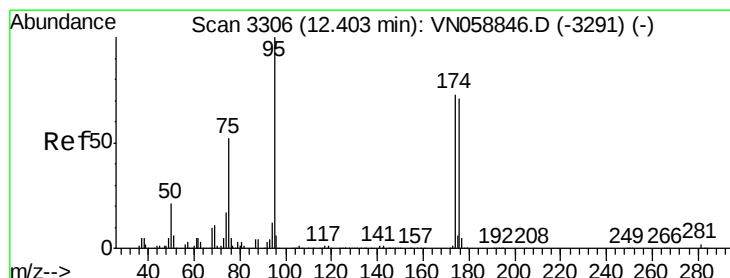
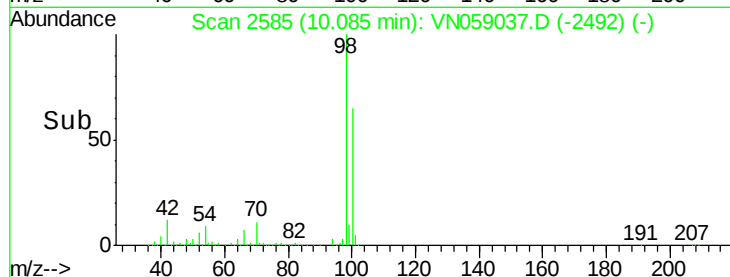
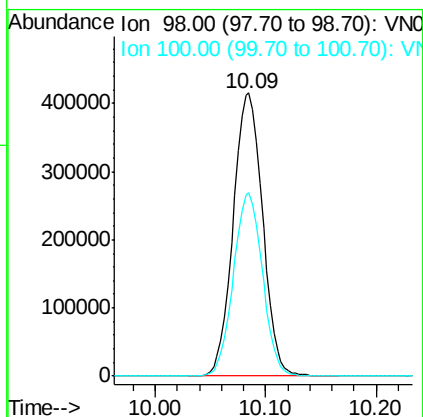
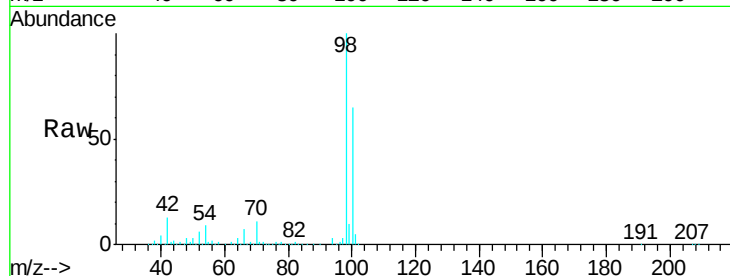
3465

Tgt Ion: 98 Resp: 769195

Ion Ratio Lower Upper

98 100

100 64.1 51.4 77.2



#62

4-Bromofluorobenzene

Concen: 42.838 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN059037.D

Acq: 31 Oct 2019 14:17

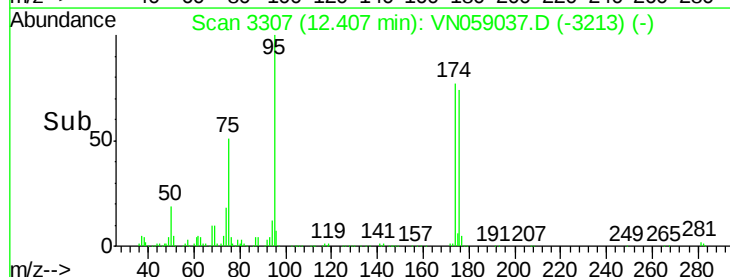
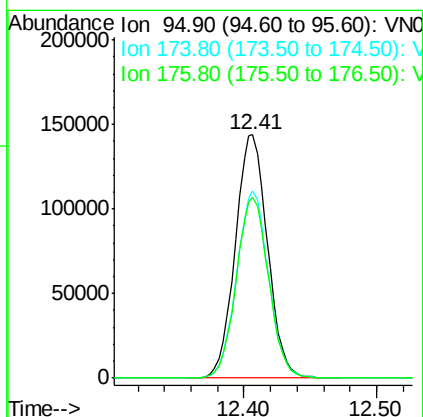
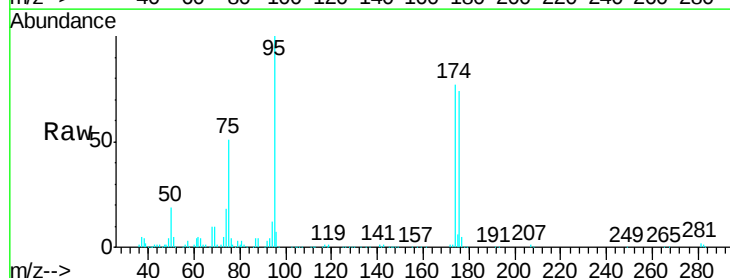
Tgt Ion: 95 Resp: 242536

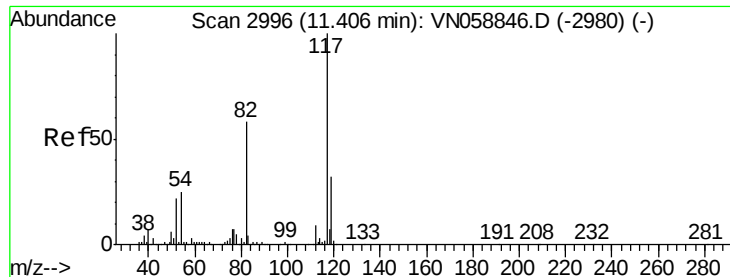
Ion Ratio Lower Upper

95 100

174 76.5 0.0 147.6

176 74.3 0.0 143.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN059037.D

Acq: 31 Oct 2019 14:17

Instrument :

MSVOA_N

ClientSampleId :

3465

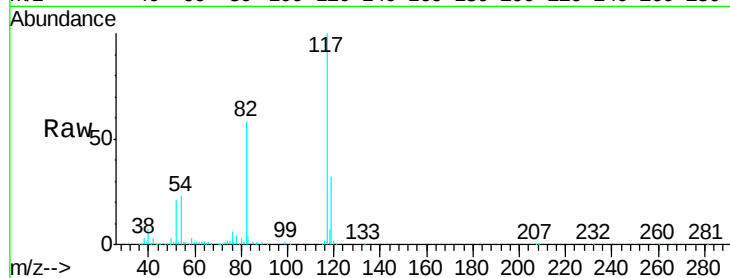
Tgt Ion:117 Resp: 552041

Ion Ratio Lower Upper

117 100

82 58.0 46.6 69.8

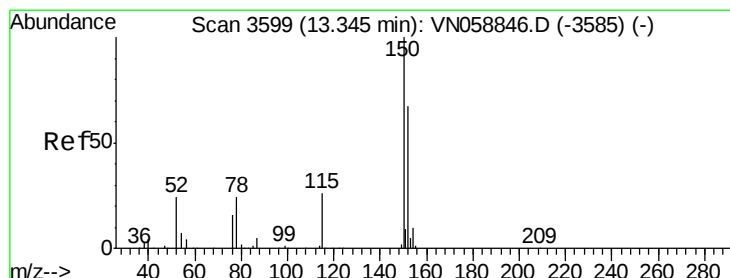
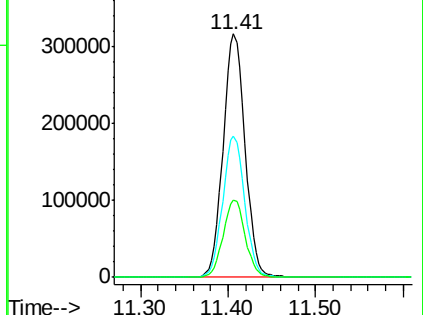
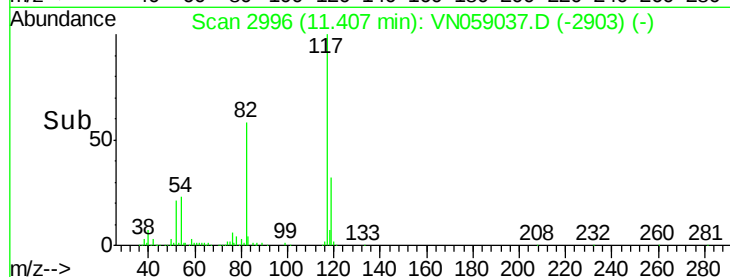
119 31.8 25.6 38.4



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: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN059037.D

Acq: 31 Oct 2019 14:17

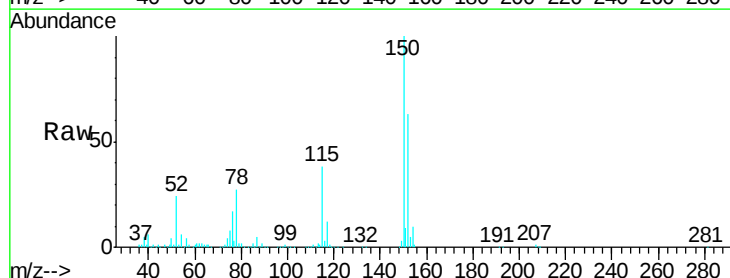
Tgt Ion:152 Resp: 197547

Ion Ratio Lower Upper

152 100

115 59.3 30.5 91.5

150 157.0 0.0 344.4



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

