

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090119\
 Data File : VN057630.D
 Acq On : 31 Aug 2019 22:05
 Operator : JC/SP
 Sample : K4517-35RE
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T4-S-E-(2.5)RE

Quant Time: Sep 01 01:03:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 15:54:32 2019
 Response via : Initial Calibration

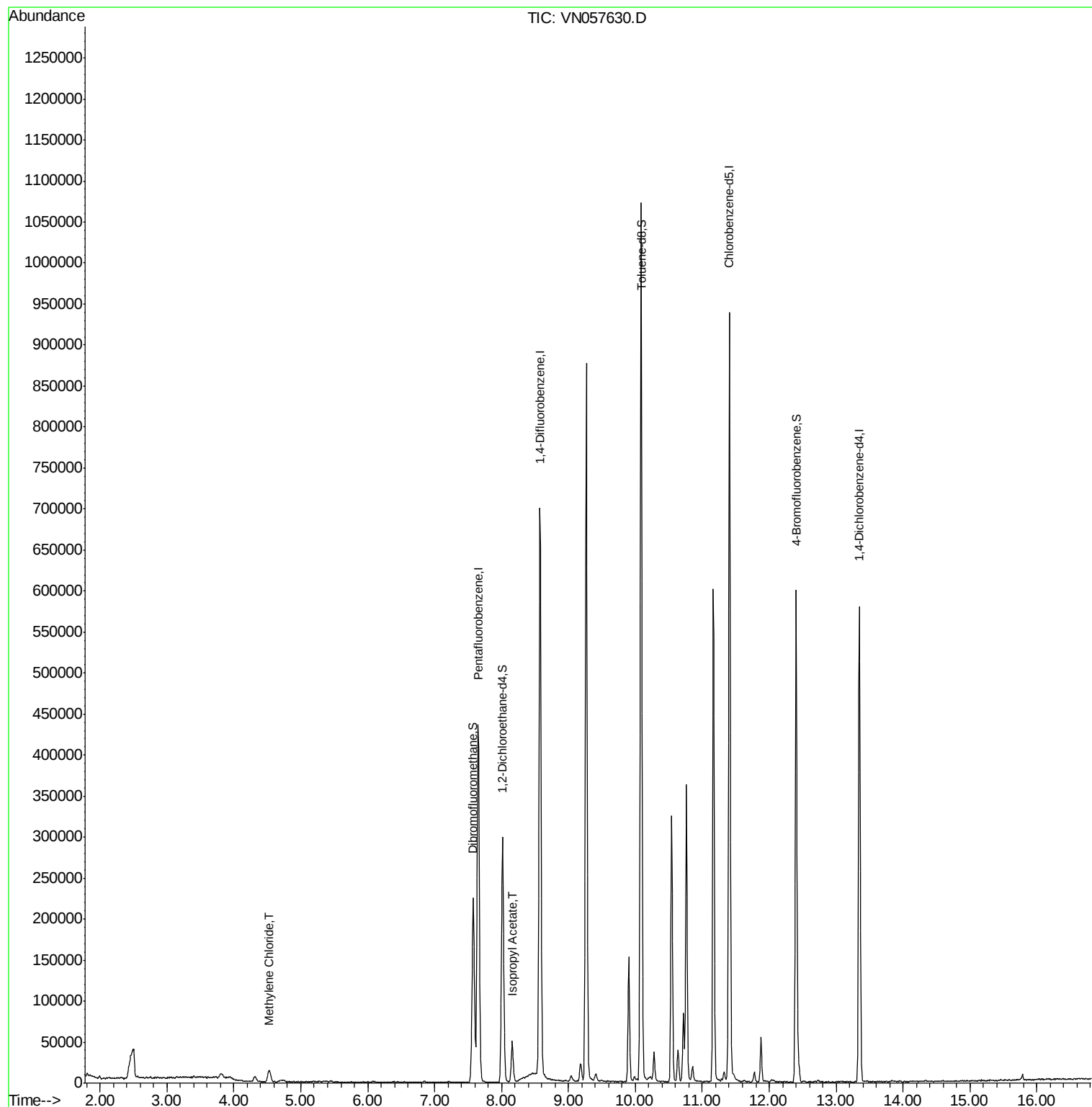
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	306782	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	535788	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	469944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	140978	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	258448	37.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.58%	
35) Dibromofluoromethane	7.58	113	158819	33.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	67.88%	
50) Toluene-d8	10.08	98	679818	37.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.68%	
62) 4-Bromofluorobenzene	12.40	95	206570	30.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	60.48%	
Target Compounds						
20) Methylene Chloride	4.53	84	9210	1.915	ug/l	91
43) Isopropyl Acetate	8.16	43	57025	4.684	ug/l	99

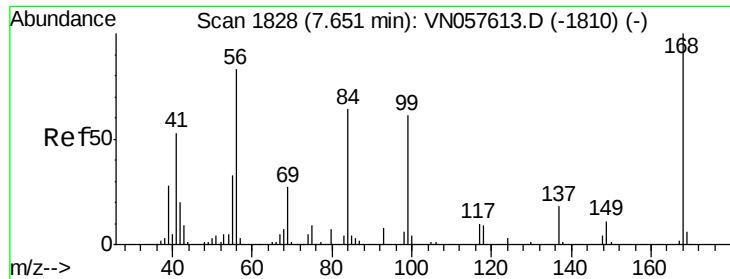
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057630.D

Acq: 31 Aug 2019 22:05

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MSVOA_N

ClientSampleId :

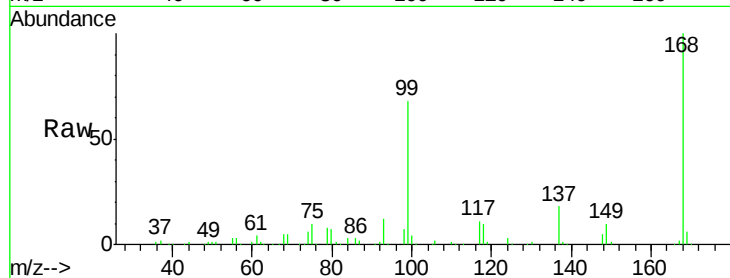
T4-S-E-(2.5)RE

Tot Ion:168 Resp: 306782

Ion Ratio Lower Upper

168 100

99 67.5 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

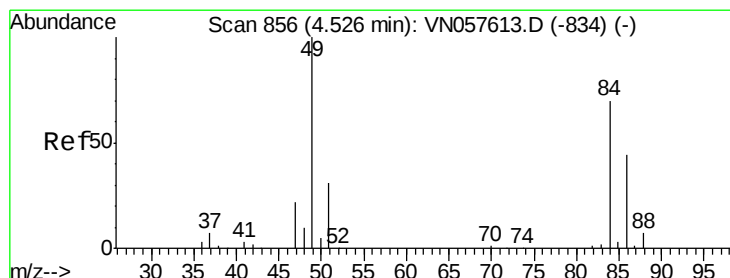
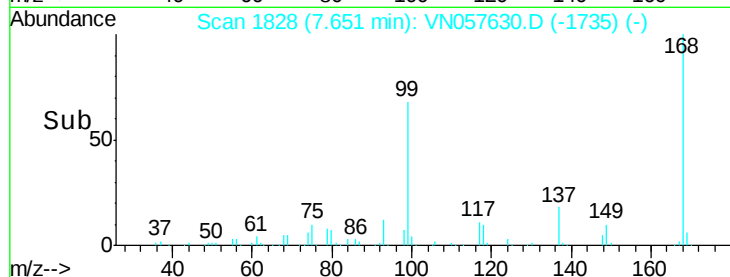
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 1.915 ug/l

RT: 4.53 min Scan# 856

Delta R.T. 0.00 min

Lab File: VN057630.D

Acq: 31 Aug 2019 22:05

Tgt Ion: 84 Resp: 9210

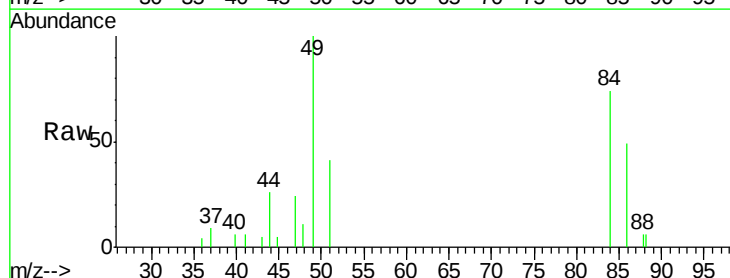
Ion Ratio Lower Upper

84 100

49 129.2 113.8 170.6

51 49.8 35.0 52.6

86 66.5 50.6 75.8



Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO

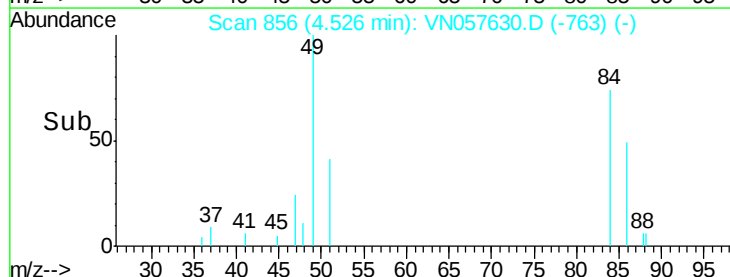
6000

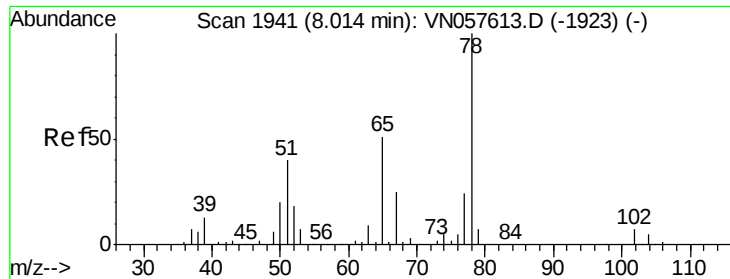
4000

2000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 37.293 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN057630.D

Acq: 31 Aug 2019 22:05

Instrument :

MSVOA_N

ClientSampleId :

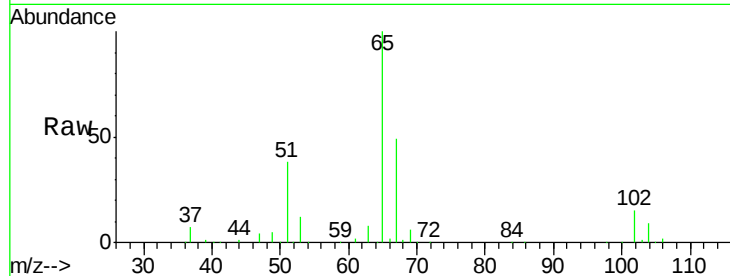
T4-S-E-(2.5)RE

Tot Ion: 65 Resp: 258448

Ion Ratio Lower Upper

65 100

67 50.1 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VN057613.D (-1923) (-)

Ion 66.90 (66.60 to 67.60): VN057613.D (-1923) (-)

8.01

120000

100000

80000

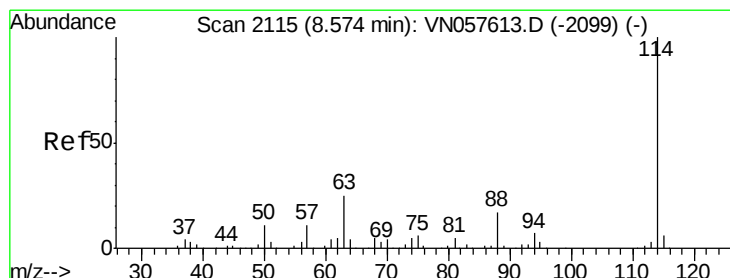
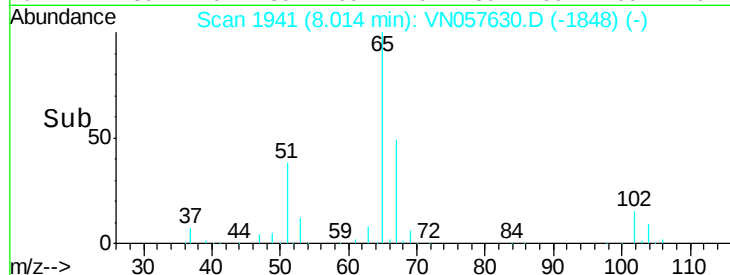
60000

40000

20000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN057630.D

Acq: 31 Aug 2019 22:05

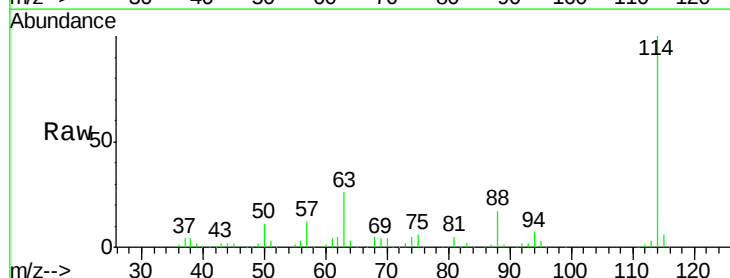
Tgt Ion: 114 Resp: 535788

Ion Ratio Lower Upper

114 100

63 25.8 0.0 49.0

88 16.6 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): VN057613.D (-2099) (-)

Ion 63.00 (62.70 to 63.70): VN057613.D (-2099) (-)

Ion 87.90 (87.60 to 88.60): VN057613.D (-2099) (-)

8.57

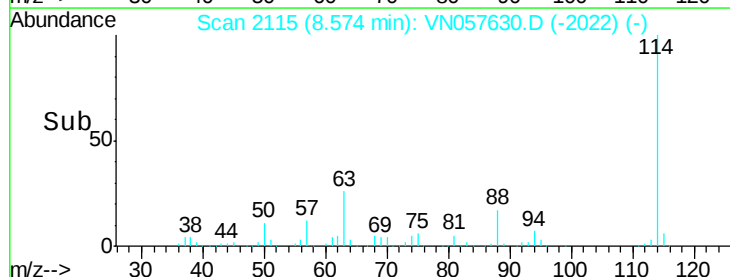
300000

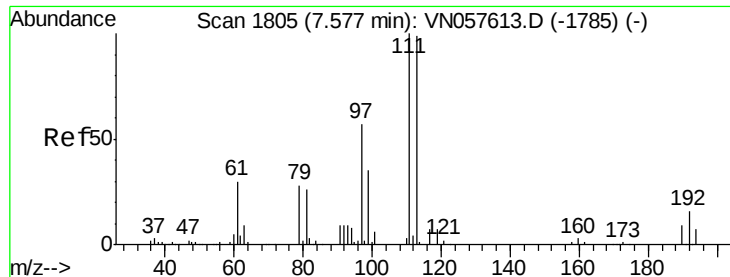
200000

100000

0

Time--> 8.50 8.55 8.60 8.65 8.70

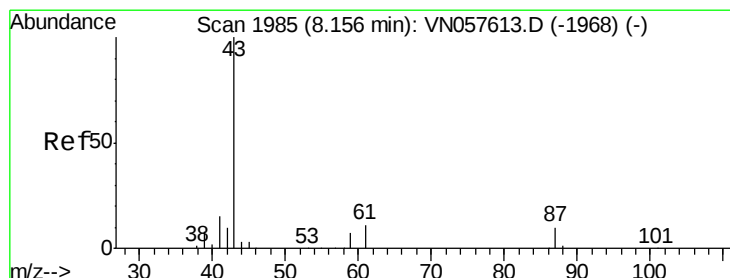
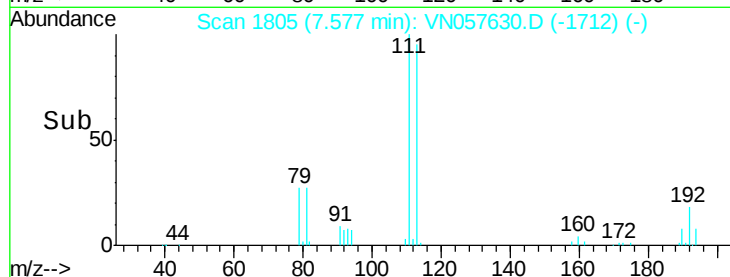
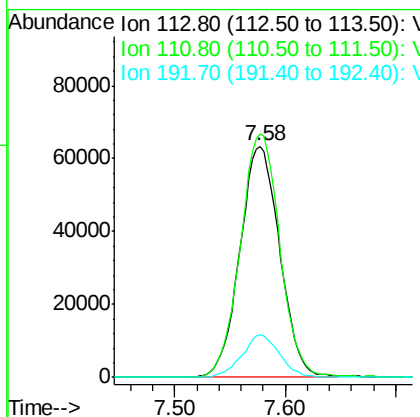
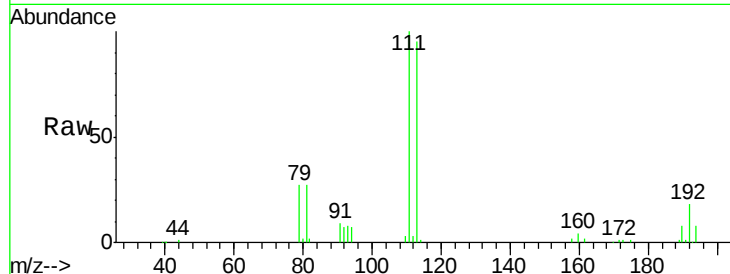




#35
 Dibromofluoromethane
 Concen: 33.943 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057630.D
 Acq: 31 Aug 2019 22:05

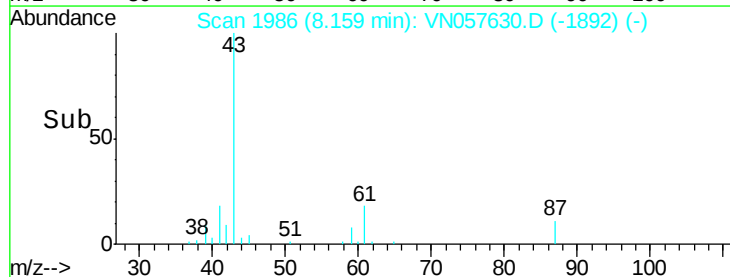
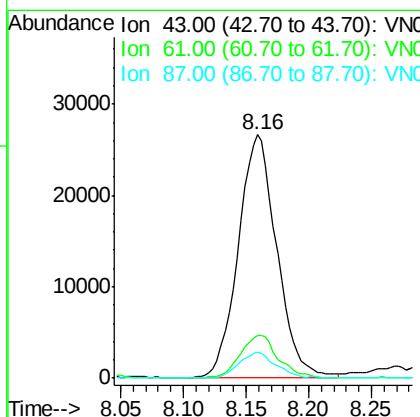
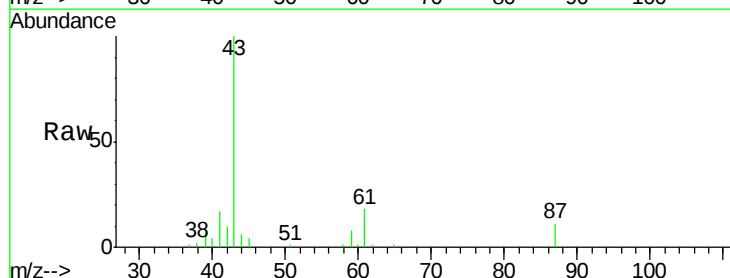
Instrument :
 MSVOA_N
 ClientSampleId :
 T4-S-E-(2.5)RE

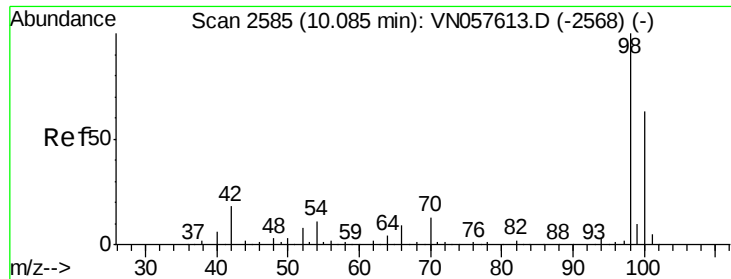
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.5	81.3	121.9
192	17.4	13.5	20.3



#43
 Isopropyl Acetate
 Concen: 4.684 ug/l
 RT: 8.16 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VN057630.D
 Acq: 31 Aug 2019 22:05

Tgt Ion	Ratio	Lower	Upper
43	100		
61	17.2	13.1	19.7
87	10.0	8.1	12.1





#50

Toluene-d8

Concen: 37.844 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN057630.D

Acq: 31 Aug 2019 22:05

Instrument :

MSVOA_N

ClientSampleId :

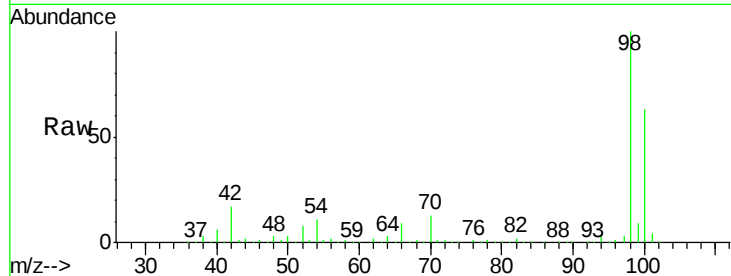
T4-S-E-(2.5)RE

Tot Ion: 98 Resp: 679818

Ion Ratio Lower Upper

98 100

100 62.5 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.08

400000

300000

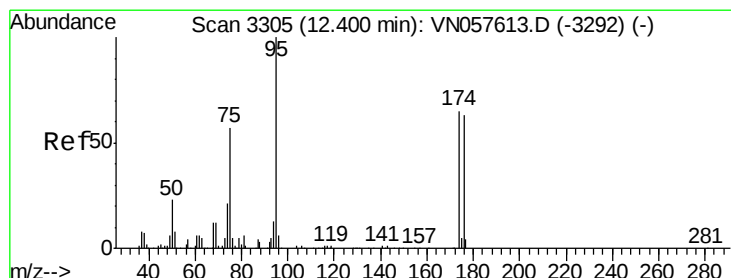
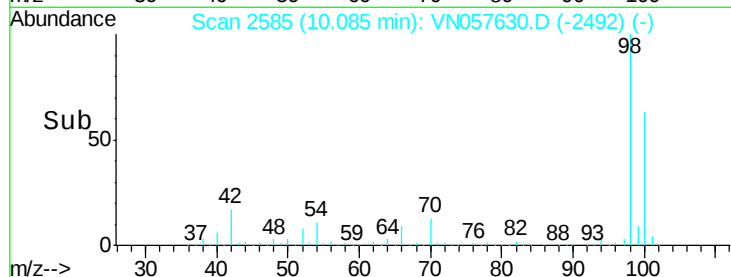
200000

100000

0

Time-->

10.00 10.10 10.20



#62

4-Bromofluorobenzene

Concen: 30.241 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN057630.D

Acq: 31 Aug 2019 22:05

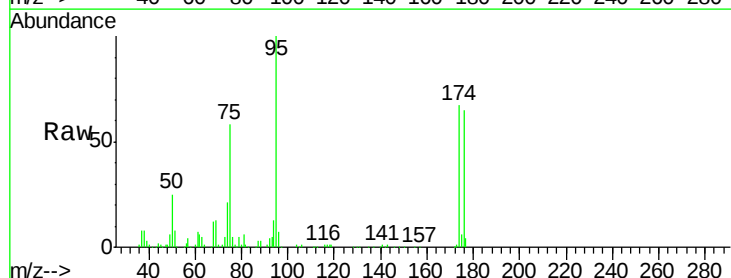
Tgt Ion: 95 Resp: 206570

Ion Ratio Lower Upper

95 100

174 69.0 0.0 134.8

176 65.7 0.0 131.6



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

12.40

150000

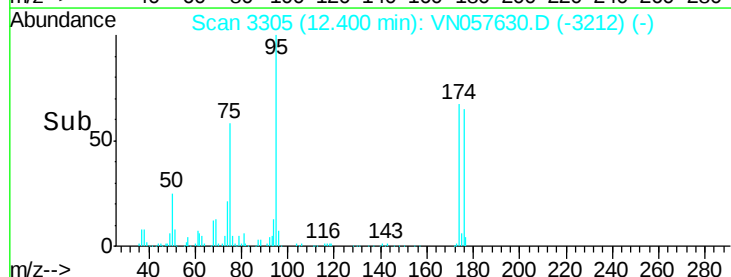
100000

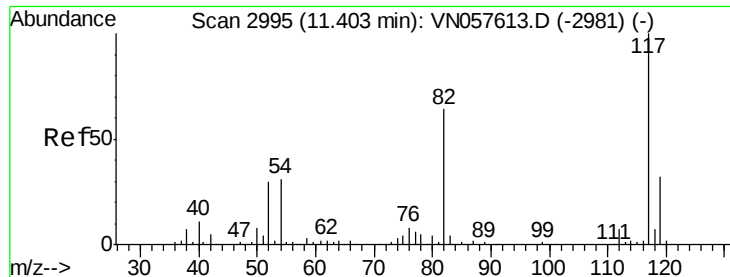
50000

0

Time-->

12.30 12.40 12.50





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057630.D

Acq: 31 Aug 2019 22:05

Instrument :

MSVOA_N

ClientSampleId :

T4-S-E-(2.5)RE

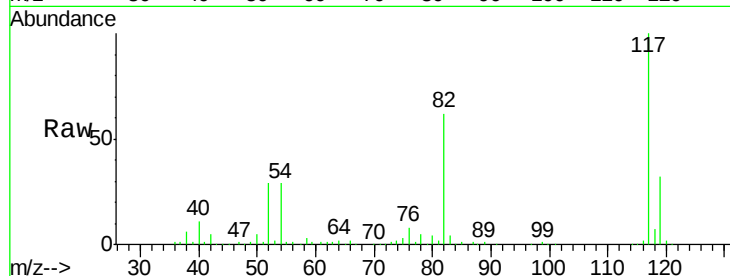
Tot Ion:117 Resp: 469944

Ion Ratio Lower Upper

117 100

82 62.5 51.6 77.4

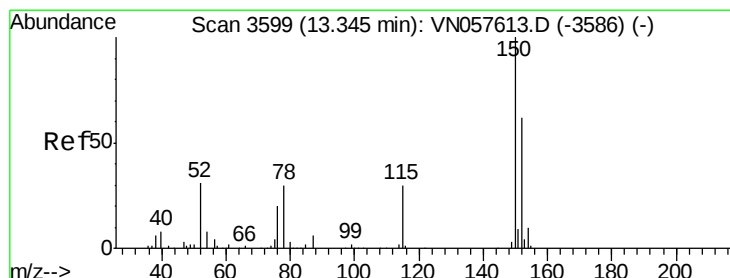
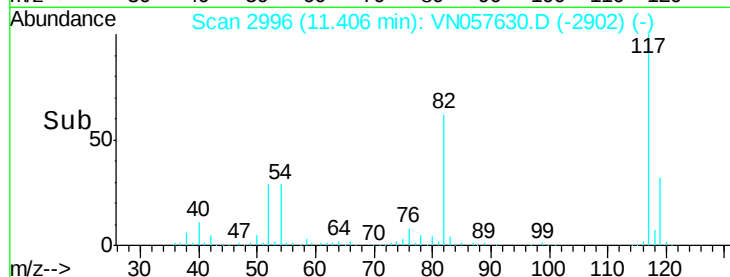
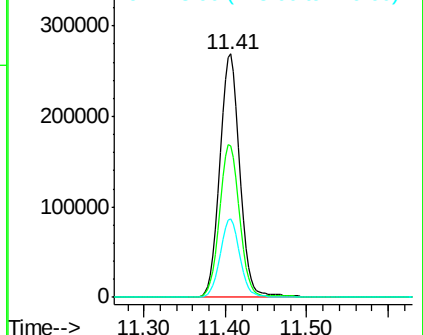
119 32.2 25.8 38.6



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# 3599

Delta R.T. 0.00 min

Lab File: VN057630.D

Acq: 31 Aug 2019 22:05

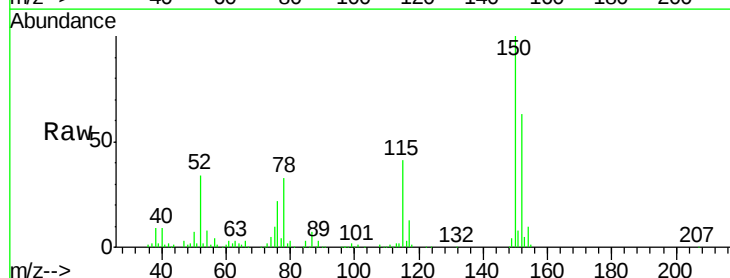
Tgt Ion:152 Resp: 140978

Ion Ratio Lower Upper

152 100

115 64.1 33.2 99.6

150 155.6 0.0 365.2



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

