

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022519\
 Data File : VN053938.D
 Acq On : 25 Feb 2019 19:09
 Operator : JC/SP
 Sample : K1586-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 M-1

Quant Time: Feb 28 04:44:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

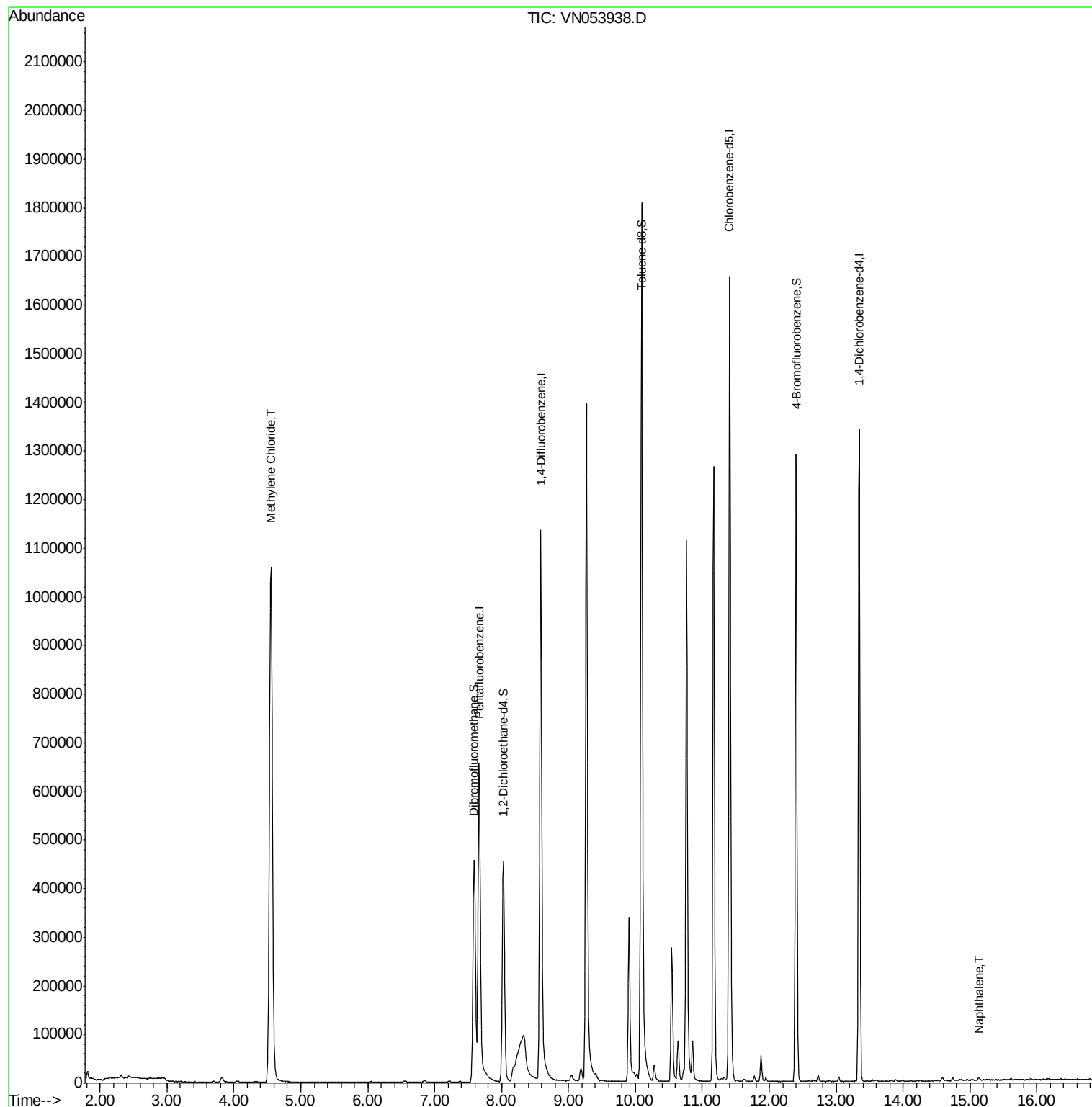
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	630656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1133894	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1064319	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	370114	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	390113	52.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.54%	
35) Dibromofluoromethane	7.59	113	359821	49.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.14%	
50) Toluene-d8	10.09	98	1405351	51.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.98%	
62) 4-Bromofluorobenzene	12.40	95	444087	48.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.66%	
Target Compounds						
20) Methylene Chloride	4.55	84	814813	111.363	ug/l	92
95) Naphthalene	15.14	128	4597	3.505	ug/l #	87

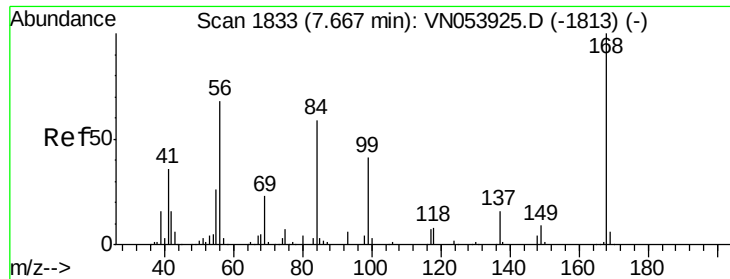
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Feb 28 04:05:45 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053938.D

Acq: 25 Feb 2019 19:09

Instrument :

MSVOA_N

ClientSampled :

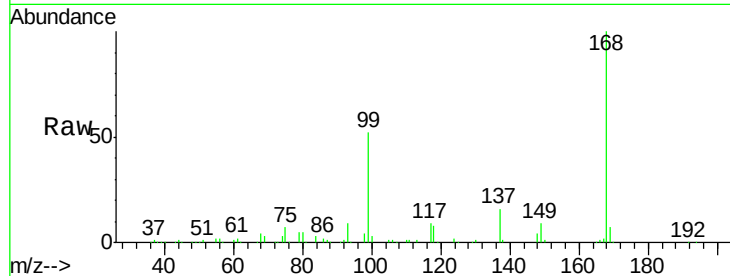
M-1

Tot Ion:168 Resp: 630656

Ion Ratio Lower Upper

168 100

99 52.2 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

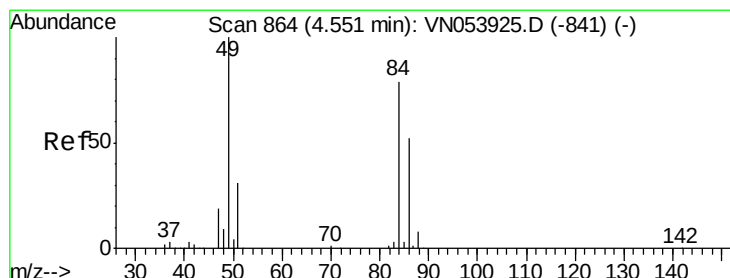
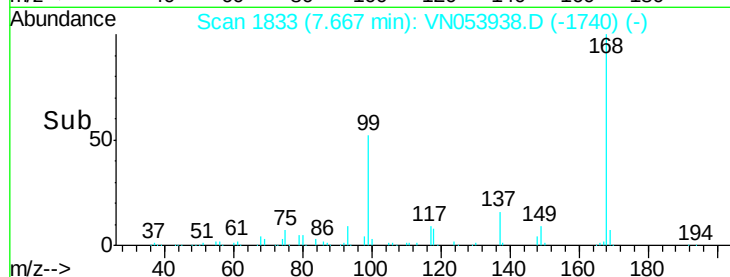
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#20

Methylene Chloride

Concen: 111.363 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.00 min

Lab File: VN053938.D

Acq: 25 Feb 2019 19:09

Tgt Ion: 84 Resp: 814813

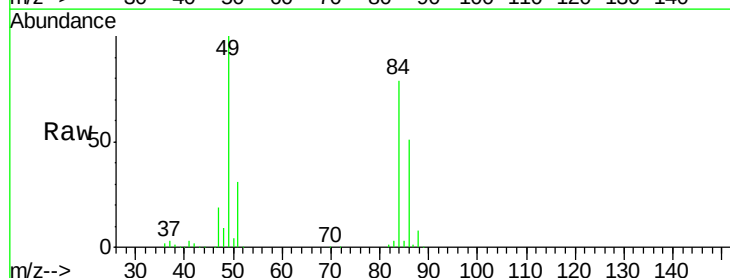
Ion Ratio Lower Upper

84 100

49 125.9 89.7 134.5

51 38.6 27.8 41.8

86 64.0 51.3 76.9



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

500000

400000

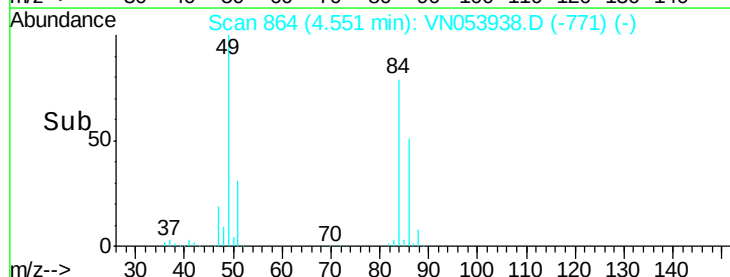
300000

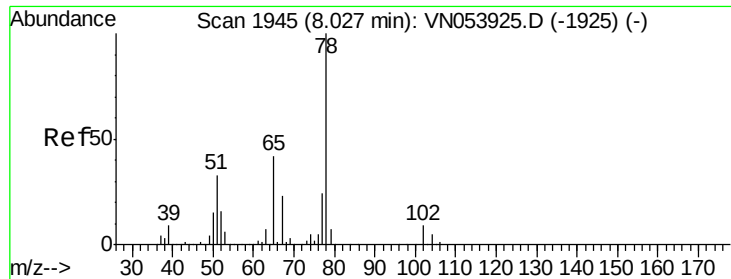
200000

100000

0

Time--> 4.40 4.50 4.60 4.70

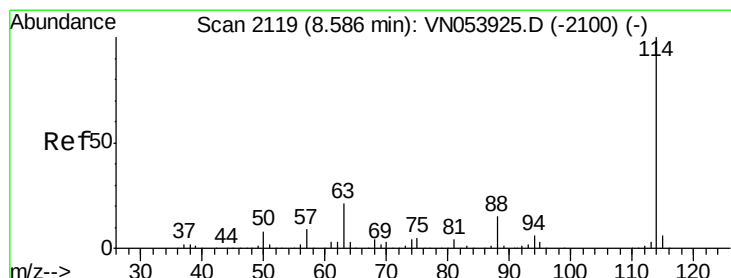
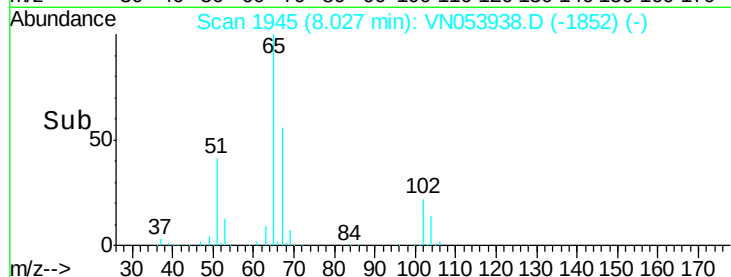
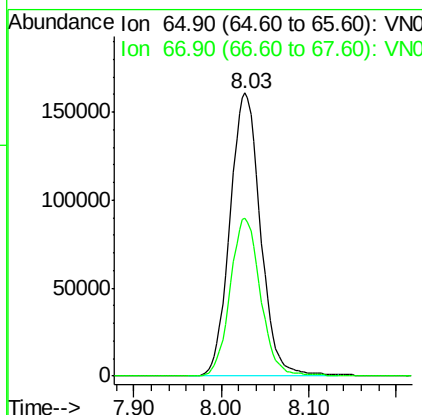
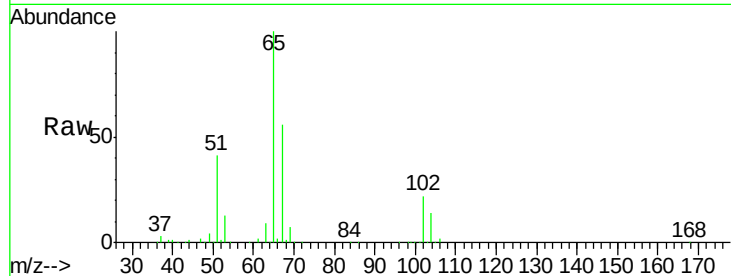




#33
 1,2-Dichloroethane-d4
 Concen: 52.770 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053938.D
 Acq: 25 Feb 2019 19:09

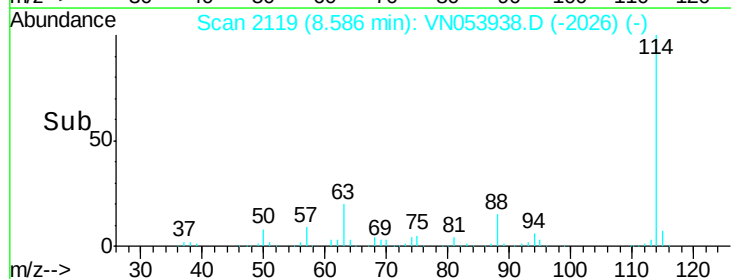
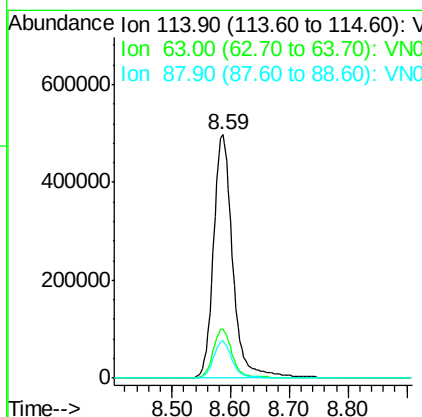
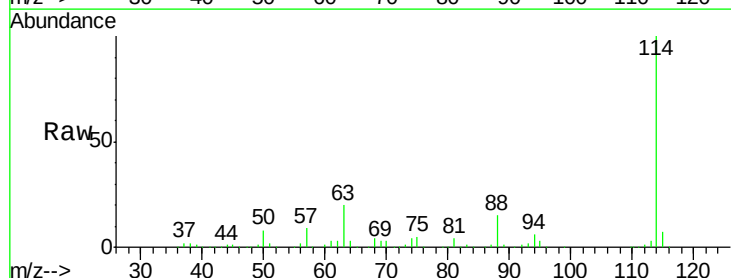
Instrument :
 MSVOA_N
 ClientSampled :
 M-1

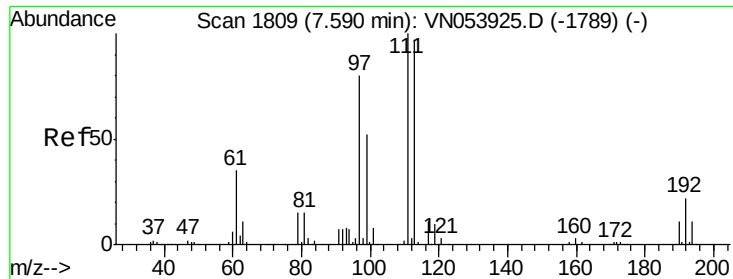
Tot Ion: 65 Resp: 390113
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 111.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053938.D
 Acq: 25 Feb 2019 19:09

Tgt Ion: 114 Resp: 1133894
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 37.4
 88 15.3 0.0 30.4





#35

Dibromofluoromethane

Concen: 49.073 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053938.D

Acq: 25 Feb 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

M-1

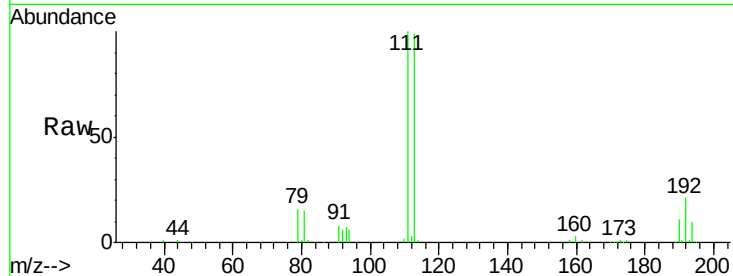
Tot Ion:113 Resp: 359821

Ion Ratio Lower Upper

113 100

111 104.1 81.1 121.7

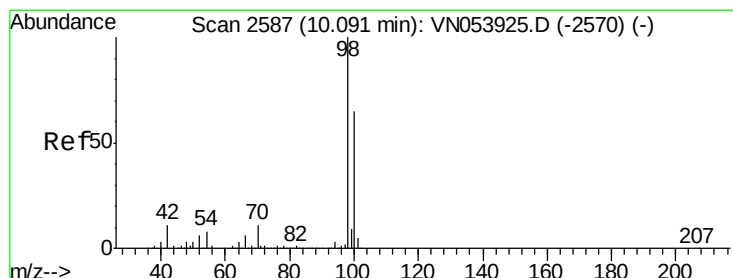
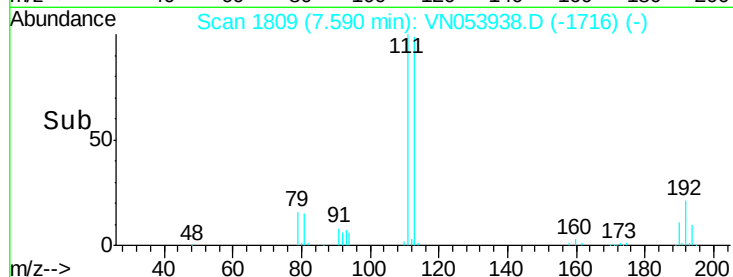
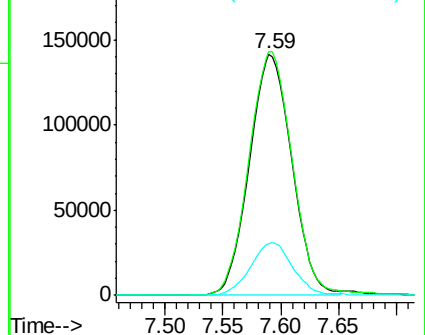
192 22.0 18.8 28.2



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



#50

Toluene-d8

Concen: 51.487 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053938.D

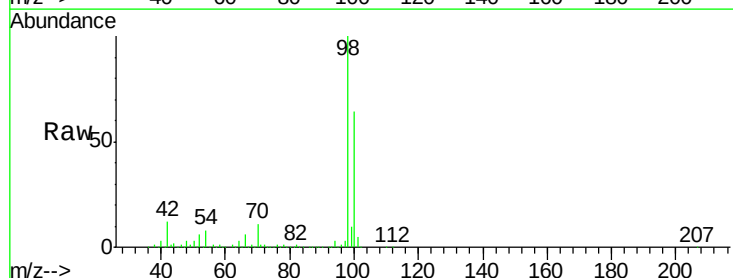
Acq: 25 Feb 2019 19:09

Tgt Ion: 98 Resp: 1405351

Ion Ratio Lower Upper

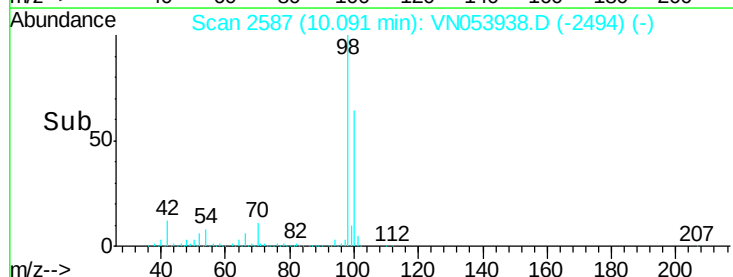
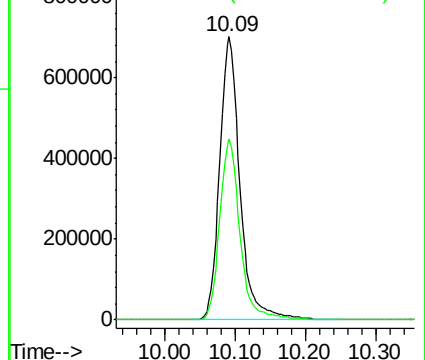
98 100

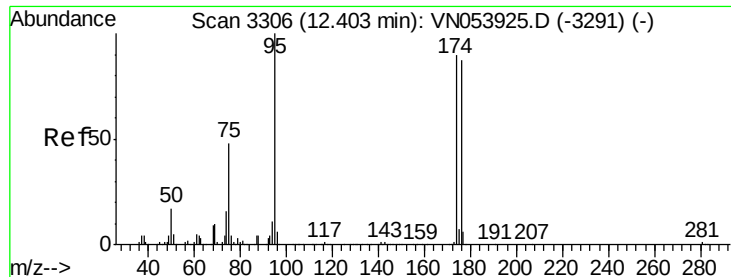
100 64.2 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 48.833 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053938.D

Acq: 25 Feb 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

M-1

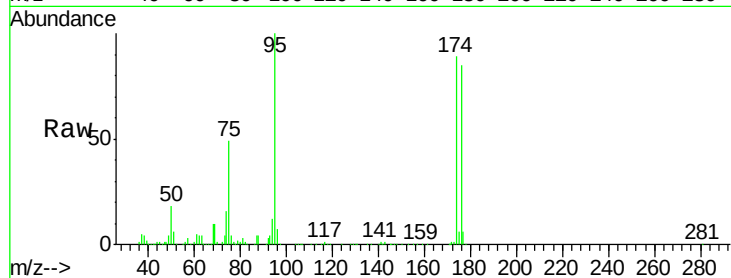
Tot Ion: 95 Resp: 444087

Ion Ratio Lower Upper

95 100

174 89.5 0.0 188.8

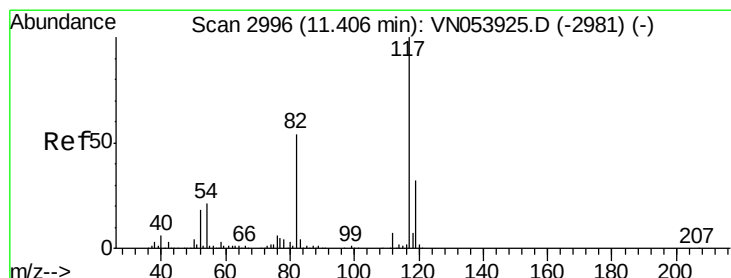
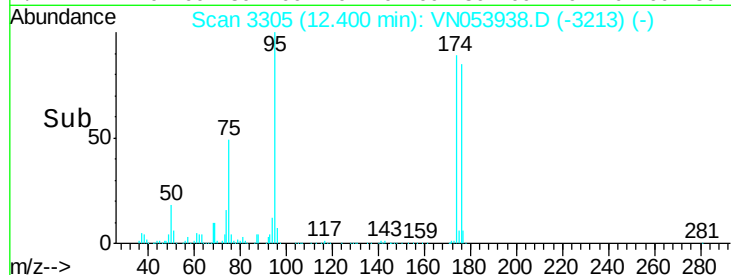
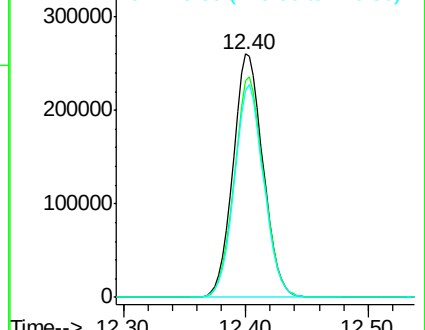
176 85.6 0.0 182.6



Abundance Ion 94.90 (94.60 to 95.60): VN053925.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN053925.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN053925.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053938.D

Acq: 25 Feb 2019 19:09

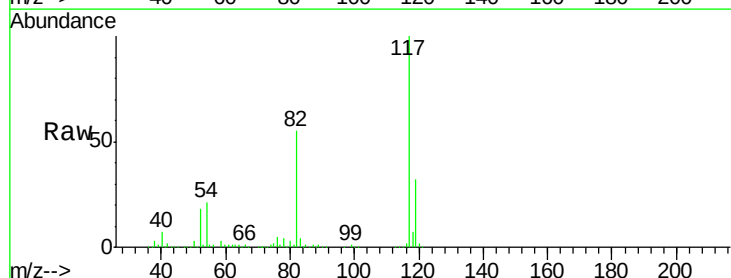
Tgt Ion: 117 Resp: 1064319

Ion Ratio Lower Upper

117 100

82 54.9 41.4 62.2

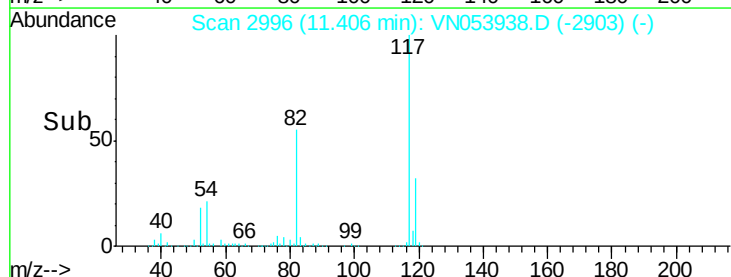
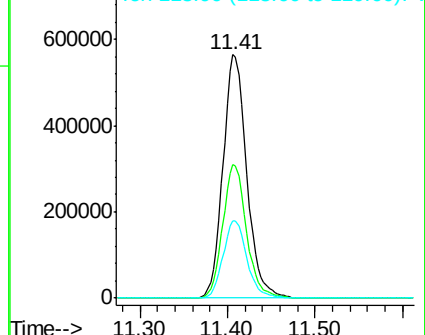
119 32.0 25.3 37.9

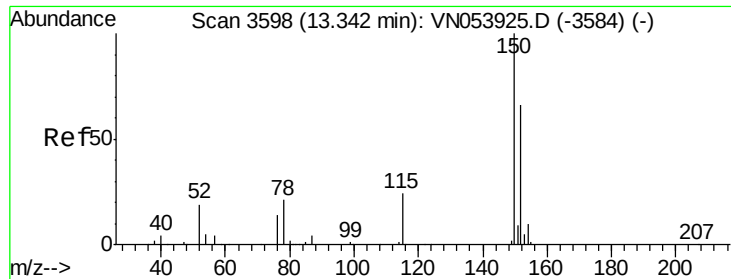


Abundance Ion 116.90 (116.60 to 117.60): VN053925.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN053925.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN053925.D (-2981) (-)



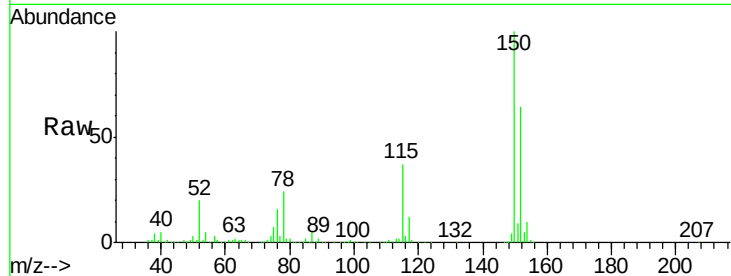


#72

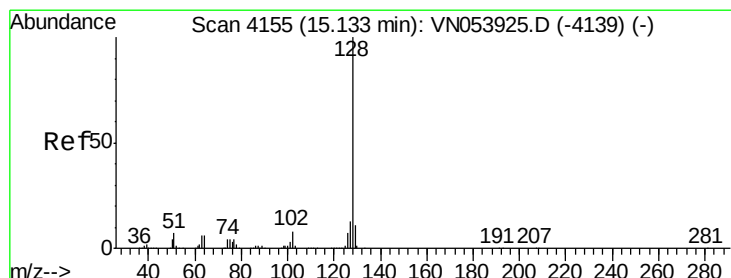
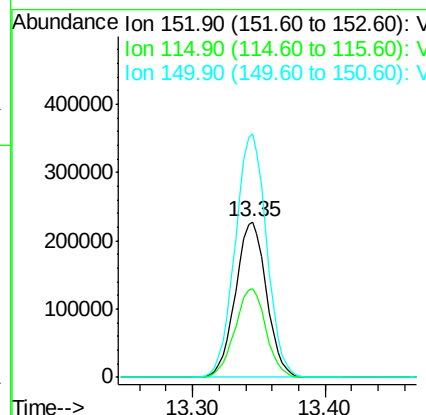
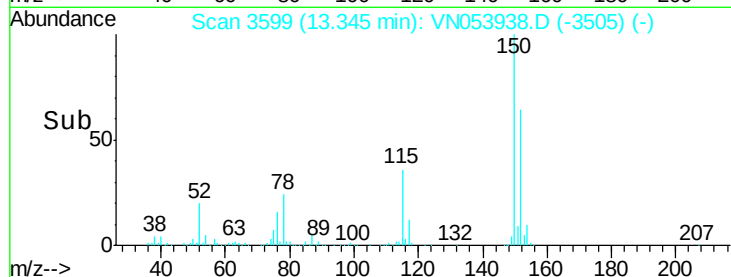
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053938.D
Acq: 25 Feb 2019 19:09

Instrument :
MSVOA_N
ClientSampled :
M-1

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.1	27.2	81.6
150	158.9	0.0	348.2



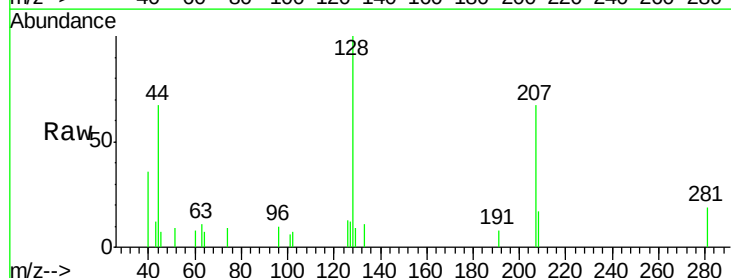
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#95

Naphthalene
Concen: 3.505 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN053938.D
Acq: 25 Feb 2019 19:09

Tgt Ion	Ratio	Lower	Upper
128	100		
127	6.8	10.2	15.2#
129	6.4	8.6	12.8#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

