

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052019\
 Data File : VN055667.D
 Acq On : 20 May 2019 12:26
 Operator : JC/SP
 Sample : K2945-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

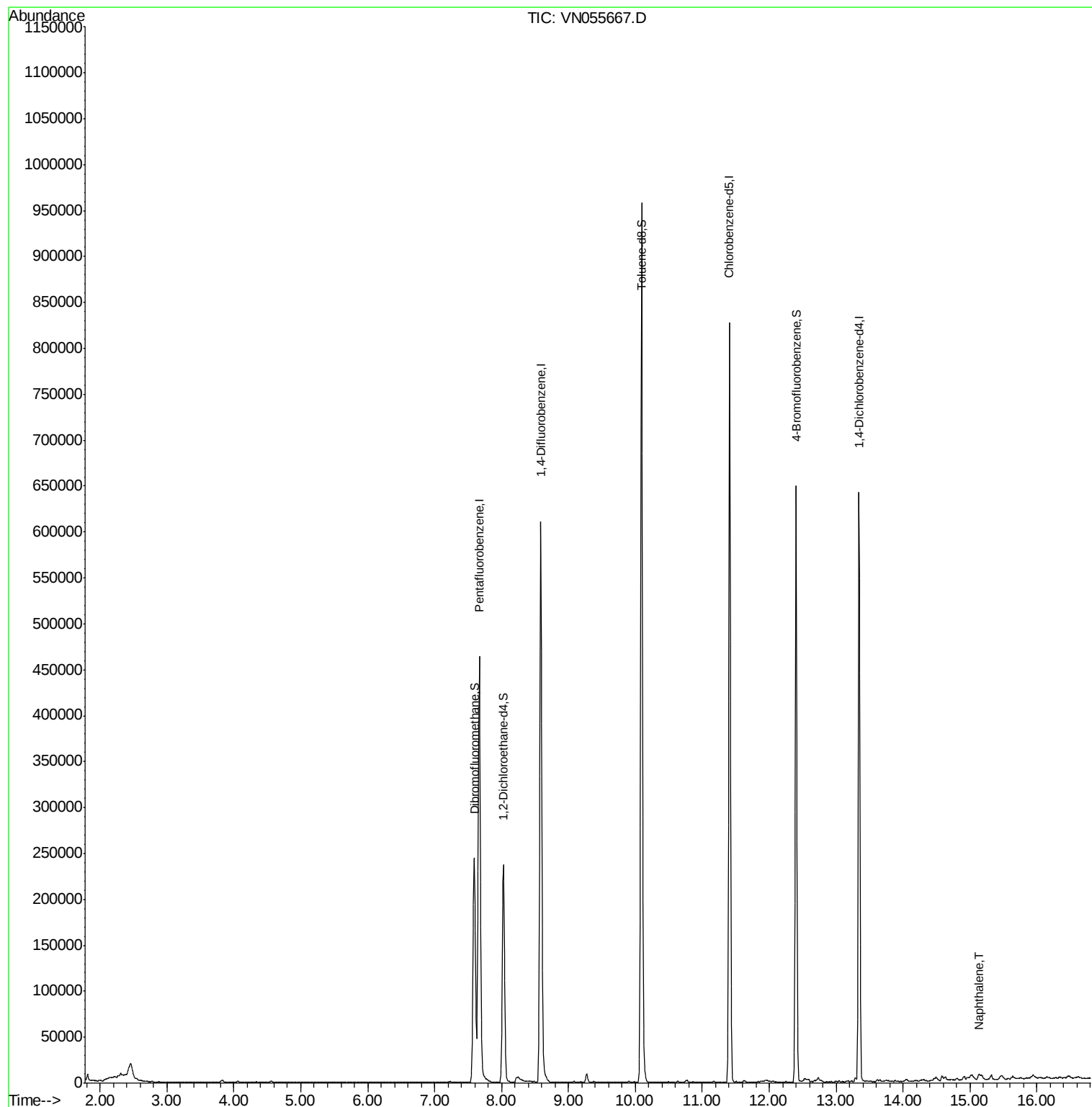
Quant Time: May 21 04:50:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:54:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	449457	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	628440	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	529414	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	190077	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	201445	40.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.78%	
35) Dibromofluoromethane	7.59	113	191080	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	
50) Toluene-d8	10.09	98	724081	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	
62) 4-Bromofluorobenzene	12.40	95	225544	43.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.54%	
Target Compounds						
95) Naphthalene	15.13	128	6264	2.376	ug/l #	Qvalue 91

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055667.D

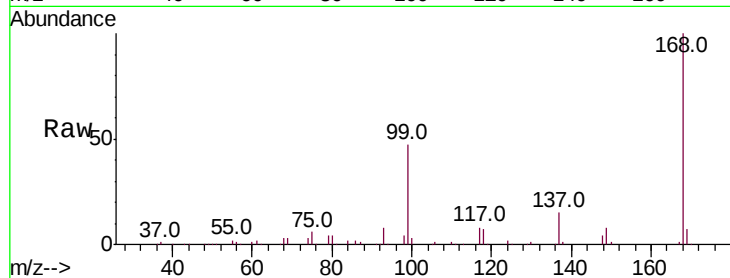
Acq: 20 May 2019 12:26

Tot Ion:168 Resp: 449457

Ion Ratio Lower Upper

168 100

99 47.3 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN055667.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN055667.D (-1740) (-)

7.67

200000

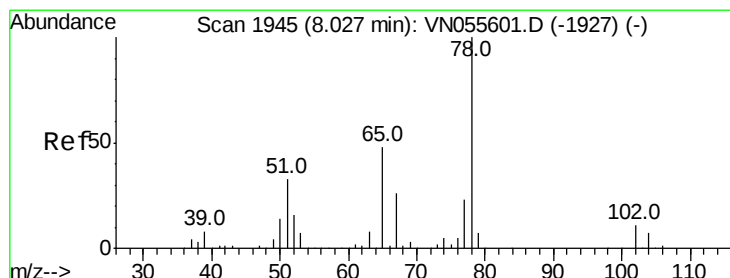
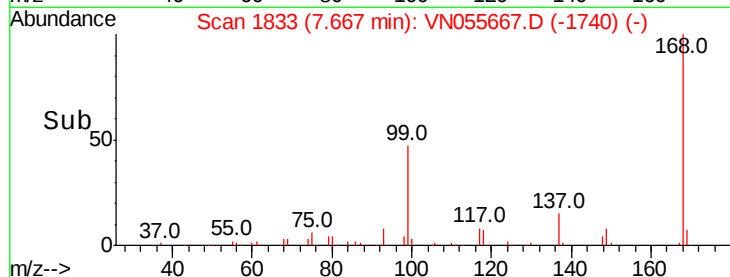
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#33

1,2-Dichloroethane-d4

Concen: 40.886 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055667.D

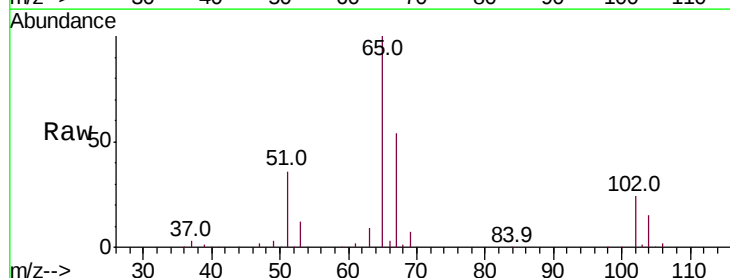
Acq: 20 May 2019 12:26

Tgt Ion: 65 Resp: 201445

Ion Ratio Lower Upper

65 100

67 54.7 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VN055667.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN055667.D (-1852) (-)

8.03

100000

80000

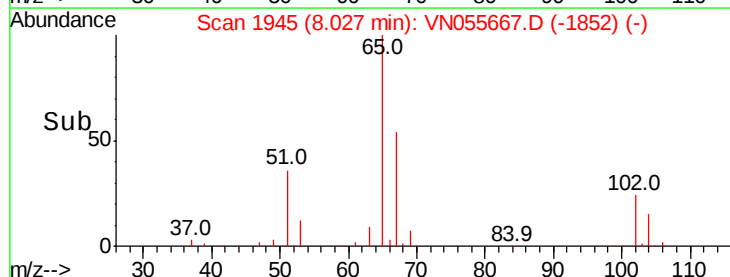
60000

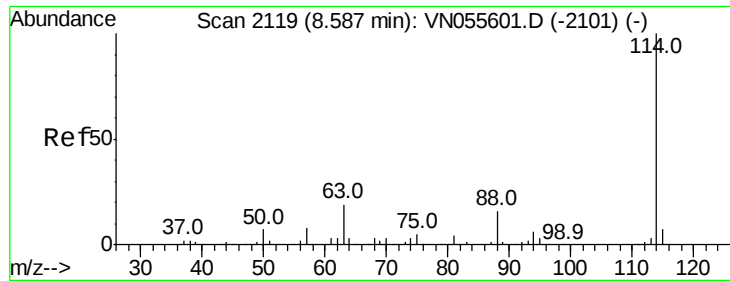
40000

20000

0

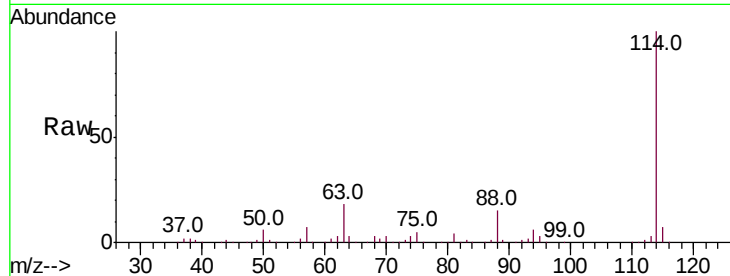
Time--> 7.90 8.00 8.10



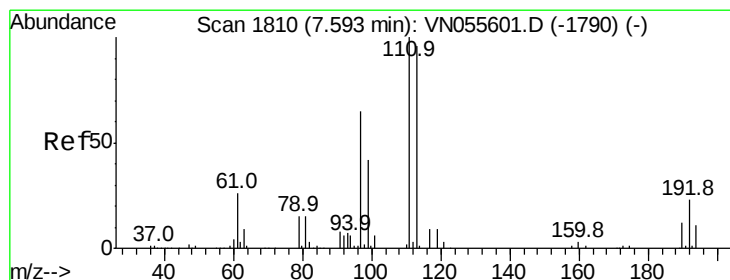
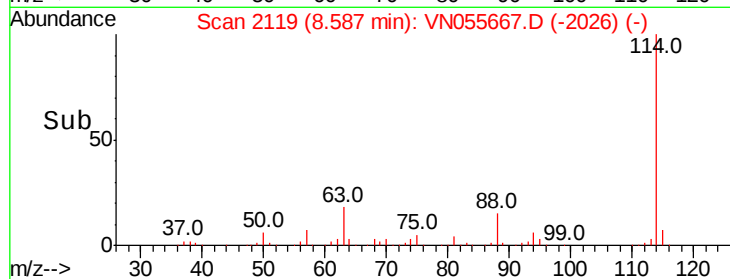
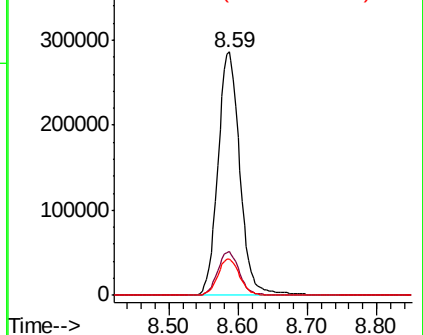


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055667.D
 Acq: 20 May 2019 12:26

Tot Ion:	114	Resp:	628440
Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	38.2
88	14.8	0.0	31.0

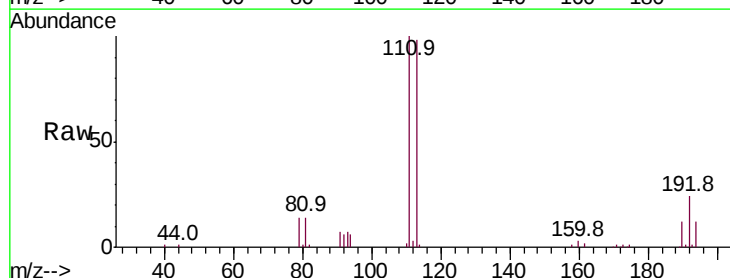


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

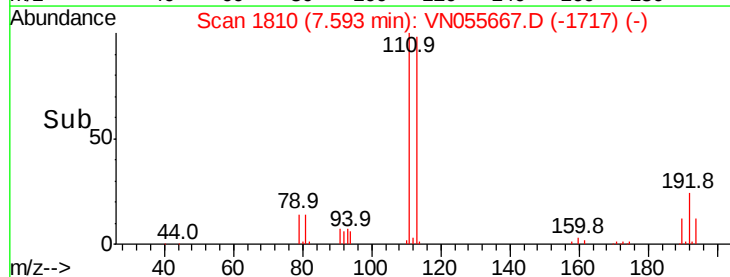
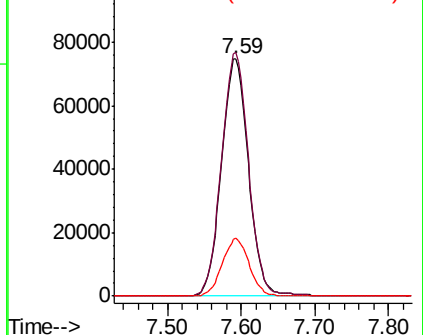


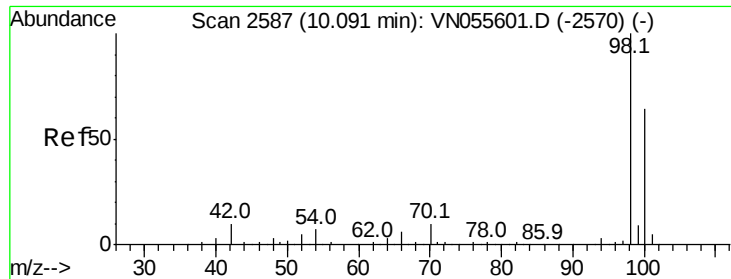
#35
 Dibromofluoromethane
 Concen: 47.864 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055667.D
 Acq: 20 May 2019 12:26

Tgt Ion:	113	Resp:	191080
Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.5	123.7
192	24.1	18.7	28.1



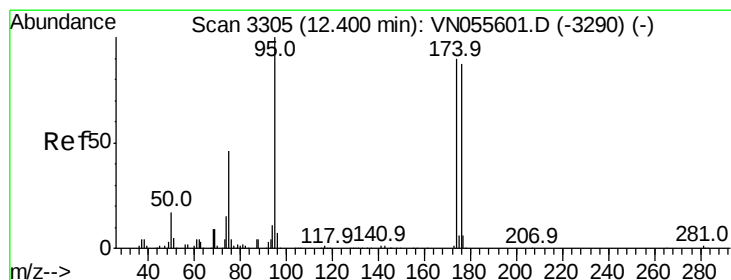
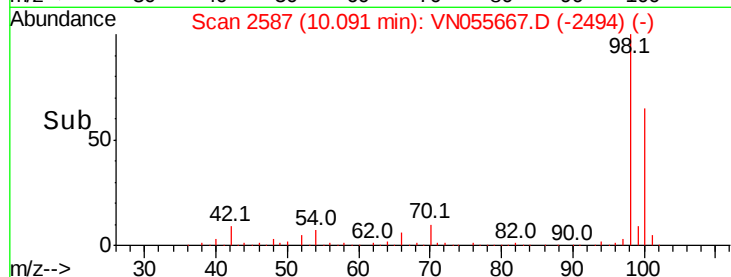
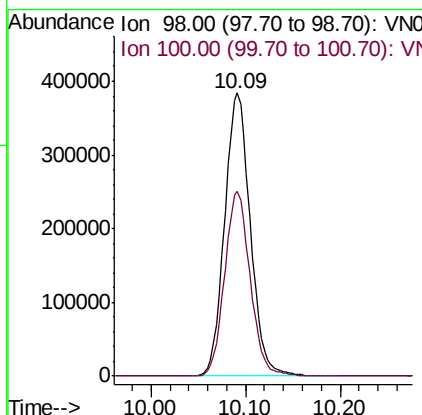
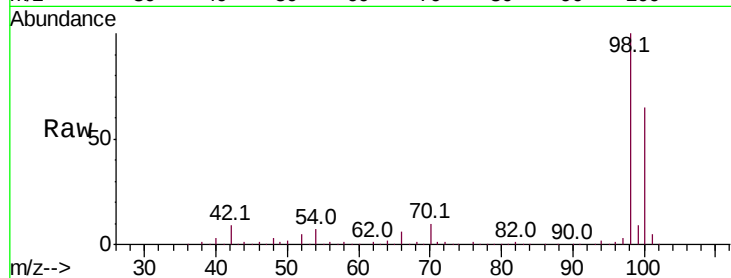
Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





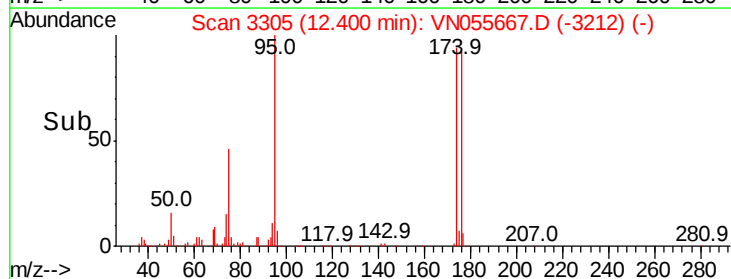
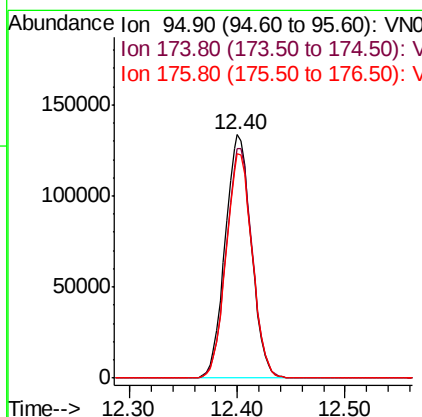
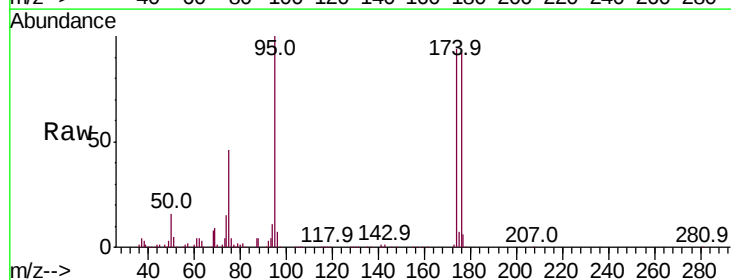
#50
Toluene-d8
Concen: 47.969 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055667.D
Acq: 20 May 2019 12:26

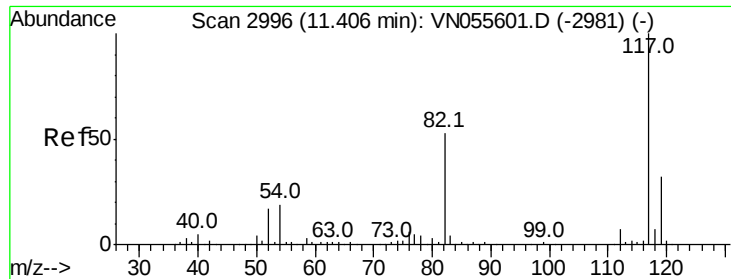
Tot Ion: 98 Resp: 724081
Ion Ratio Lower Upper
98 100
100 65.1 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 43.270 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055667.D
Acq: 20 May 2019 12:26

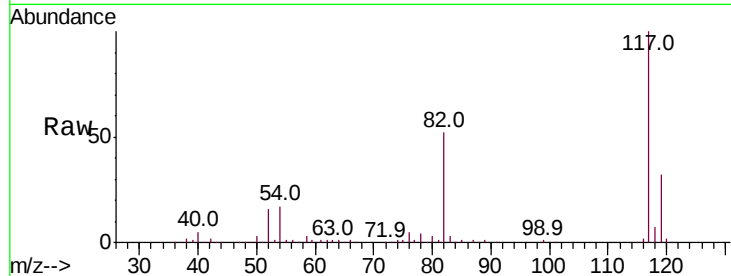
Tgt Ion: 95 Resp: 225544
Ion Ratio Lower Upper
95 100
174 94.3 0.0 180.6
176 92.0 0.0 177.4



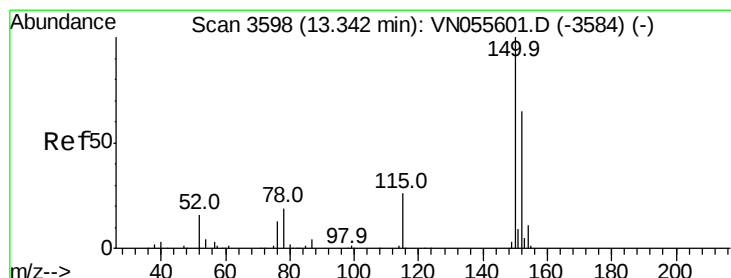
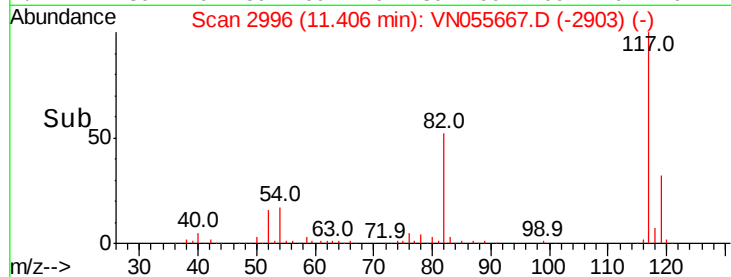
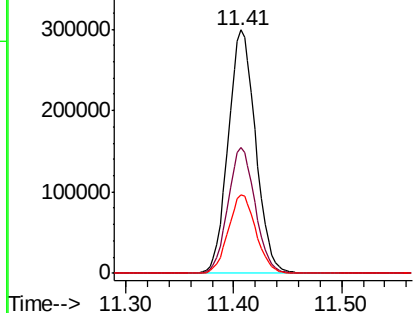


#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. 0.00 min
 Lab File: VN055667.D
 Acq: 20 May 2019 12:26

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	42.3	63.5
119	32.3	25.4	38.2

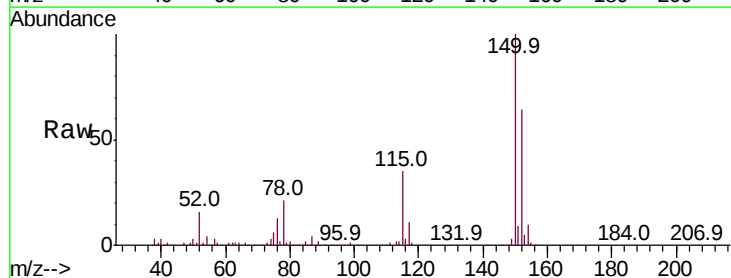


Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 82.00 (81.70 to 82.70): VN
 Ion 118.90 (118.60 to 119.60): V

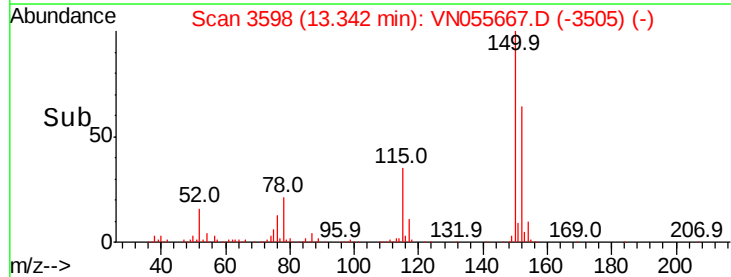
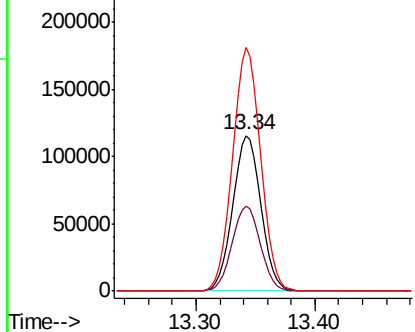


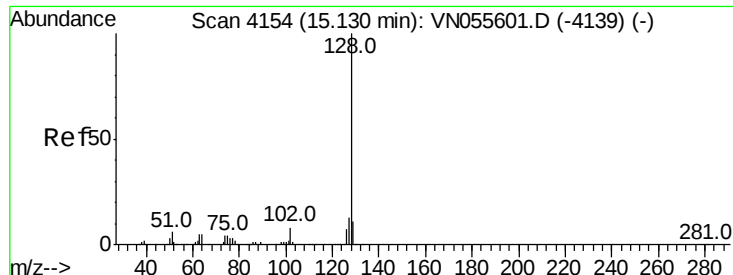
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN055667.D
 Acq: 20 May 2019 12:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.7	28.1	84.2
150	156.1	0.0	348.0



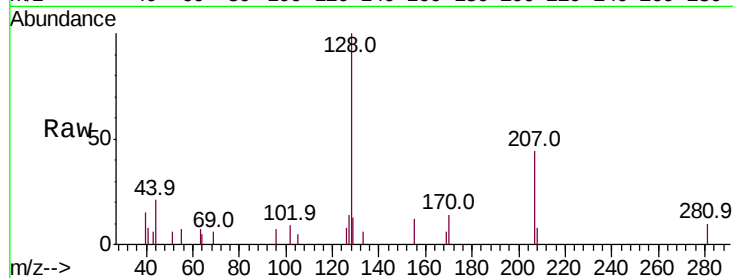
Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V





#95
Naphthalene
Concen: 2.376 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055667.D
Acq: 20 May 2019 12:26

Tot Ion:128 Resp: 6264
Ion Ratio Lower Upper
128 100
127 11.5 10.2 15.4
129 16.9 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

