

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056094.D
 Acq On : 7 Jun 2019 12:51
 Operator : JC/SP
 Sample : K3236-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 N48970

Quant Time: Jun 08 06:00:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

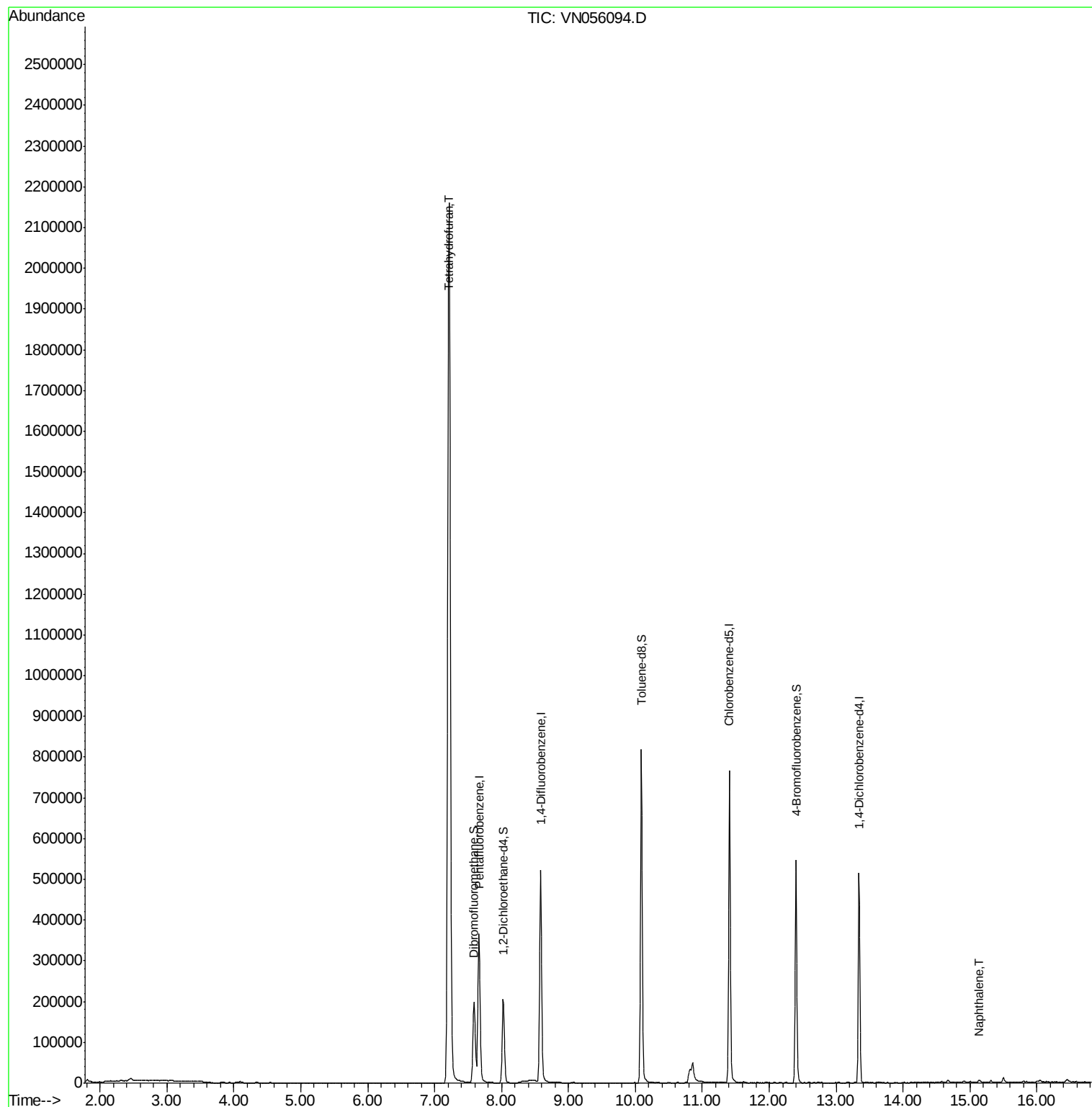
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	353335	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	516967	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	488682	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	155878	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	170134	48.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.98%	
35) Dibromofluoromethane	7.59	113	150355	47.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.80%	
50) Toluene-d8	10.09	98	618614	50.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.38%	
62) 4-Bromofluorobenzene	12.40	95	193524	46.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.26%	
Target Compounds						
29) Tetrahydrofuran	7.22	42	1903064	1452.216	ug/l	99
95) Naphthalene	15.13	128	5074	4.479	ug/l #	95

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

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QLast Update : Tue Jun 04 11:02:09 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056094.D

Acq: 7 Jun 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

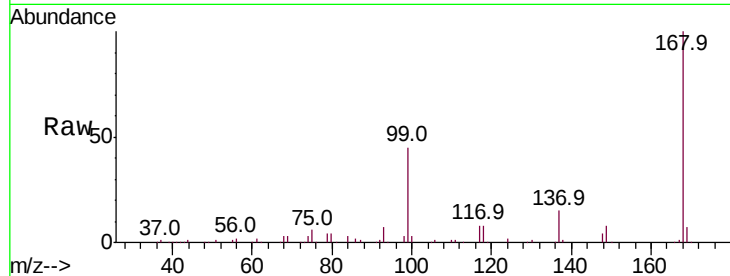
N48970

Tot Ion:168 Resp: 353335

Ion Ratio Lower Upper

168 100

99 44.6 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055978.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055978.D (-1812) (-)

7.66

150000

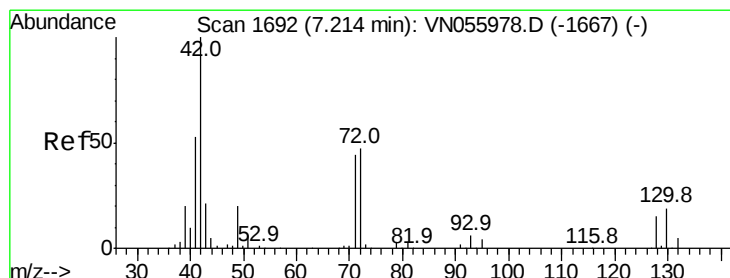
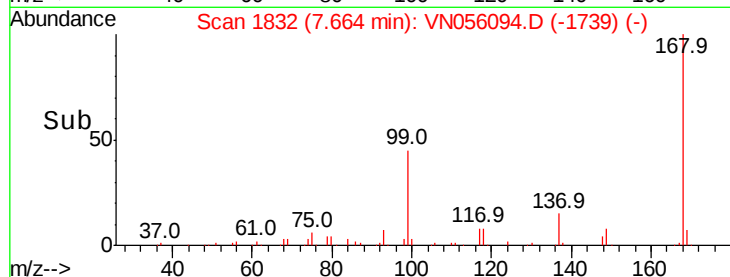
100000

50000

0

7.50 7.60 7.70 7.80 7.90

Time-->



#29

Tetrahydrofuran

Concen: 1452.216 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN056094.D

Acq: 7 Jun 2019 12:51

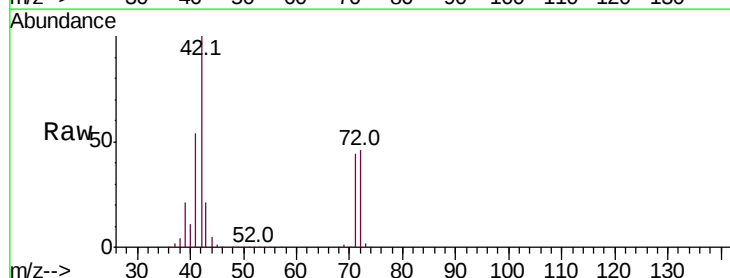
Tgt Ion: 42 Resp: 1903064

Ion Ratio Lower Upper

42 100

72 46.0 35.9 53.9

71 43.3 34.0 51.0



Abundance Ion 42.00 (41.70 to 42.70): VN055978.D (-1667) (-)

Ion 72.00 (71.70 to 72.70): VN055978.D (-1667) (-)

Ion 71.00 (70.70 to 71.70): VN055978.D (-1667) (-)

7.22

800000

600000

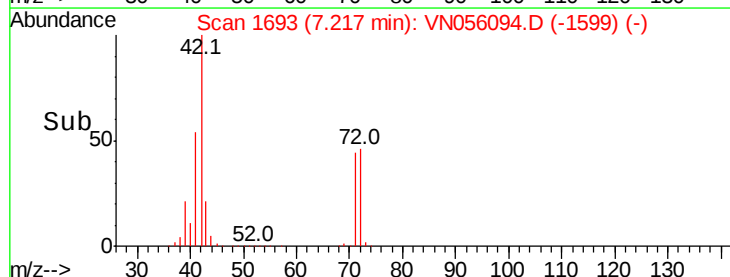
400000

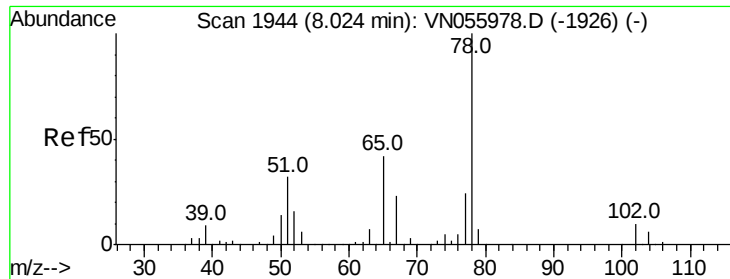
200000

0

7.10 7.20 7.30 7.40

Time-->

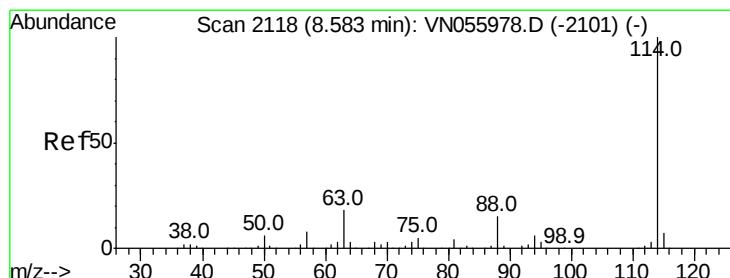
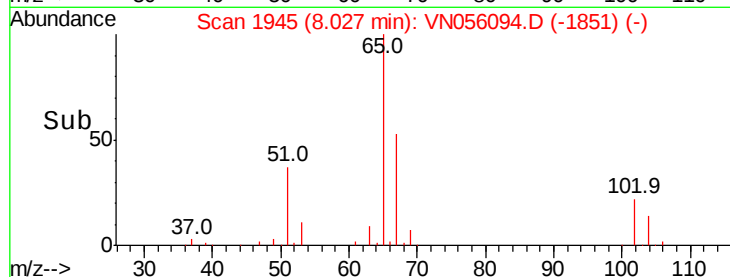
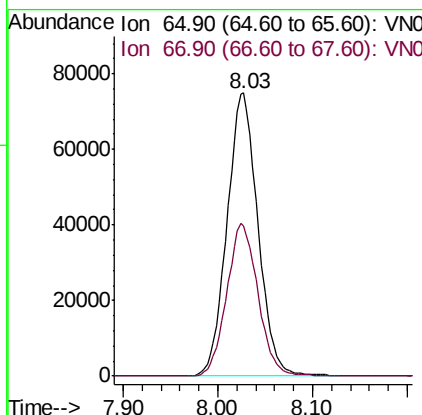
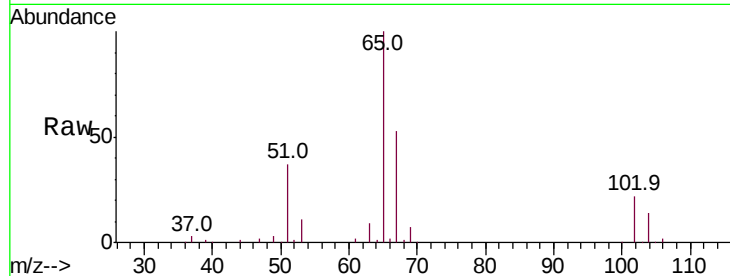




#33
 1,2-Dichloroethane-d4
 Concen: 48.494 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056094.D
 Acq: 7 Jun 2019 12:51

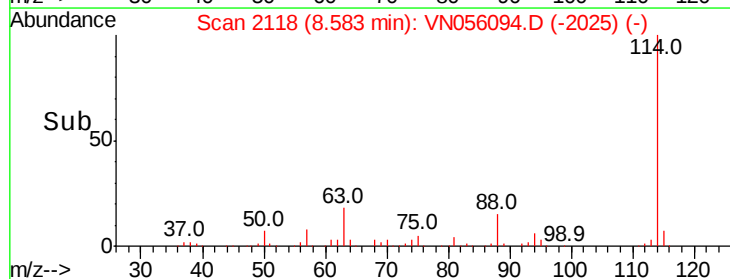
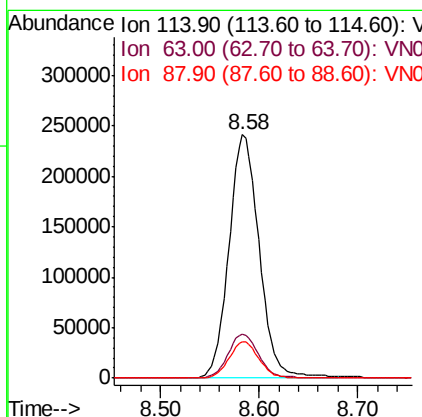
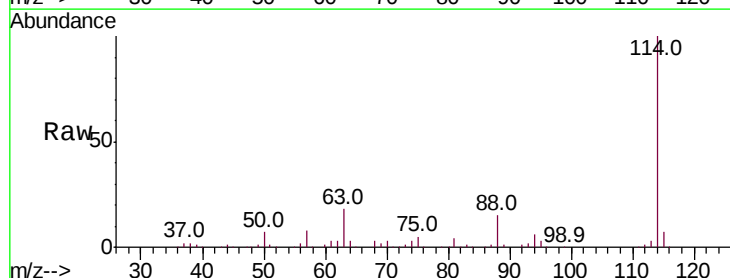
Instrument :
 MSVOA_N
 ClientSampleId :
 N48970

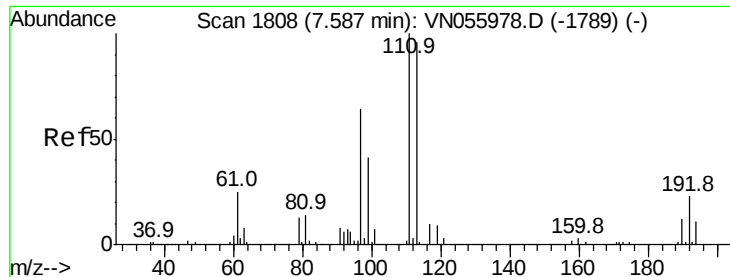
Tot Ion: 65 Resp: 170134
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056094.D
 Acq: 7 Jun 2019 12:51

Tgt Ion: 114 Resp: 516967
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 39.2
 88 14.9 0.0 31.0





#35

Dibromofluoromethane

Concen: 47.404 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056094.D

Acq: 7 Jun 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

N48970

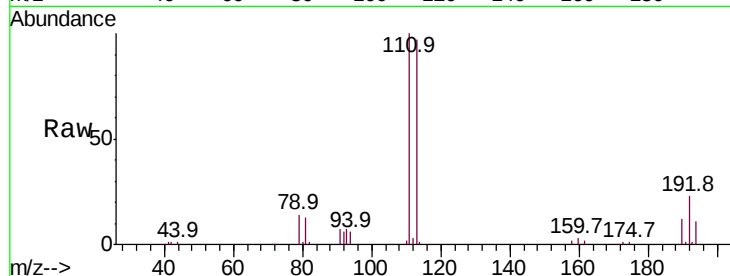
Tot Ion:113 Resp: 150355

Ion Ratio Lower Upper

113 100

111 102.3 81.9 122.9

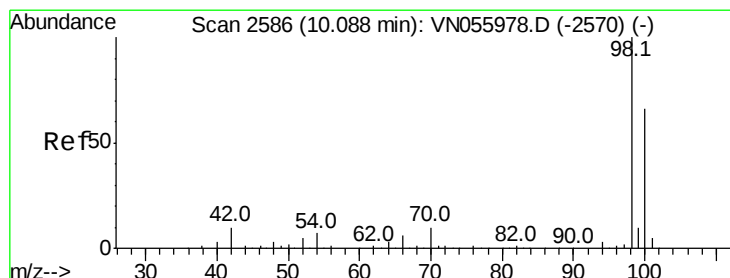
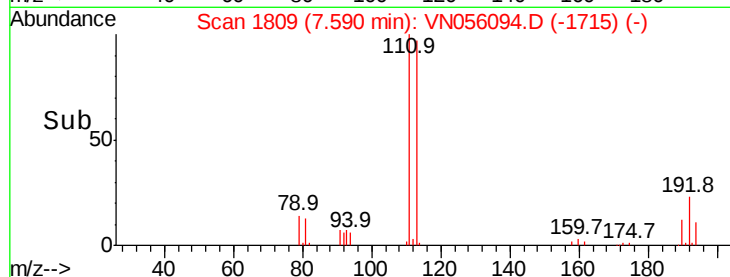
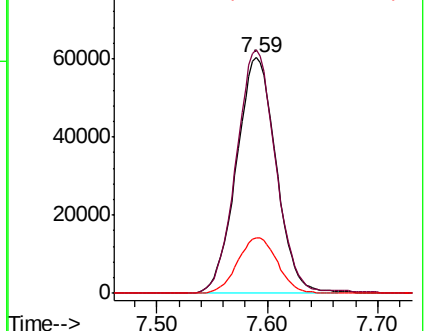
192 23.8 19.5 29.3



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: 50.685 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056094.D

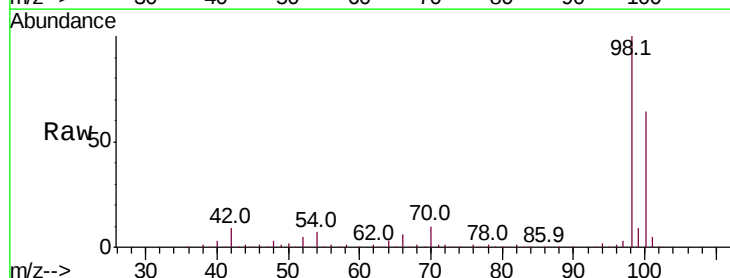
Acq: 7 Jun 2019 12:51

Tgt Ion: 98 Resp: 618614

Ion Ratio Lower Upper

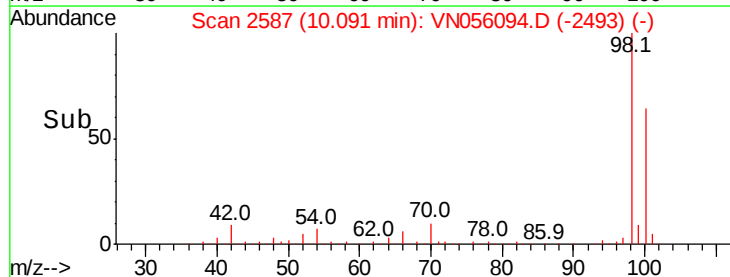
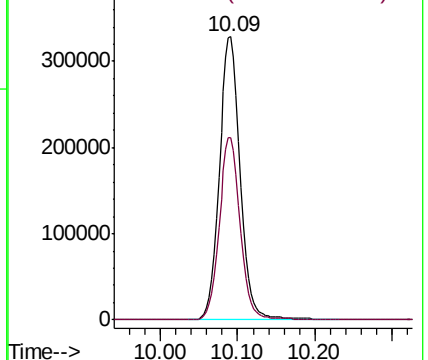
98 100

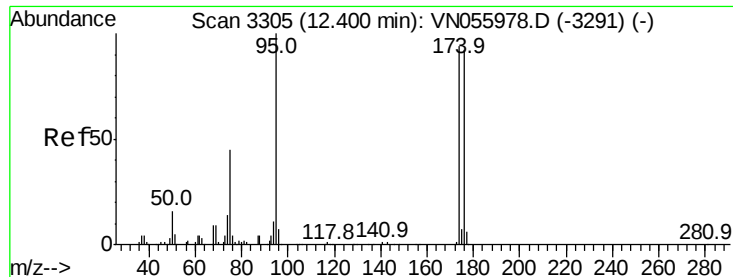
100 64.8 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#62

4-Bromofluorobenzene

Concen: 46.625 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056094.D

Acq: 7 Jun 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

N48970

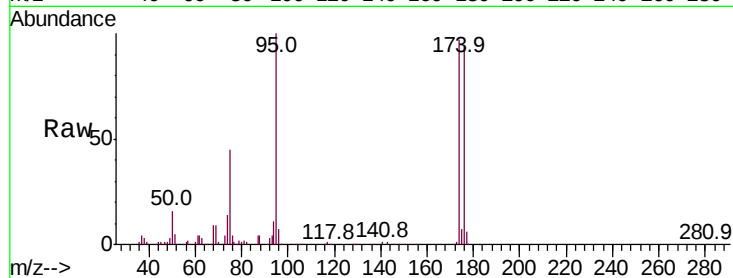
Tot Ion: 95 Resp: 193524

Ion Ratio Lower Upper

95 100

174 96.6 0.0 191.0

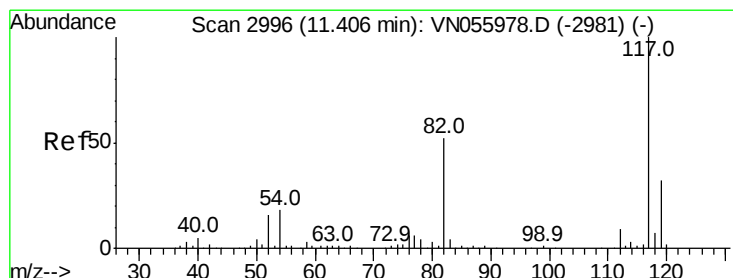
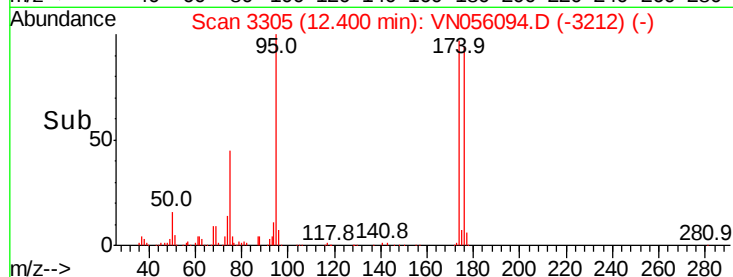
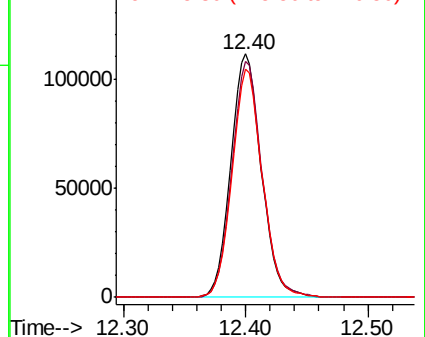
176 93.0 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN055978.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055978.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055978.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056094.D

Acq: 7 Jun 2019 12:51

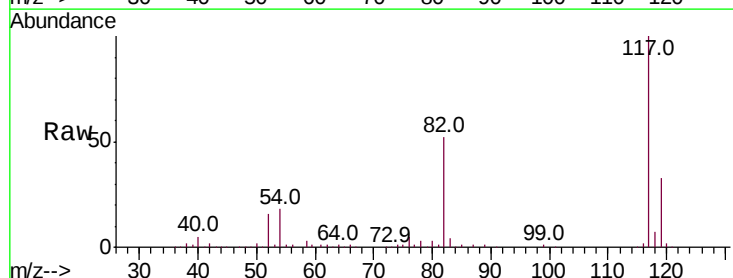
Tgt Ion: 117 Resp: 488682

Ion Ratio Lower Upper

117 100

82 51.6 41.8 62.8

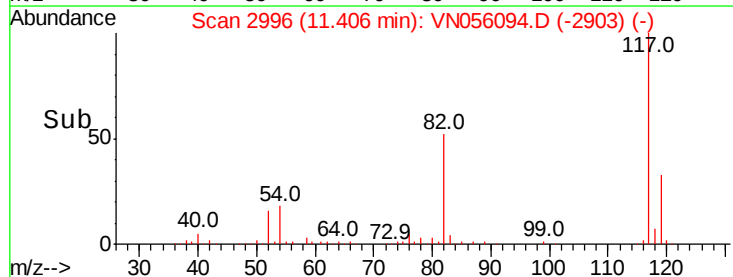
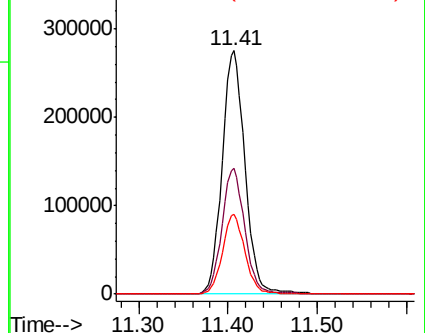
119 32.9 25.4 38.0

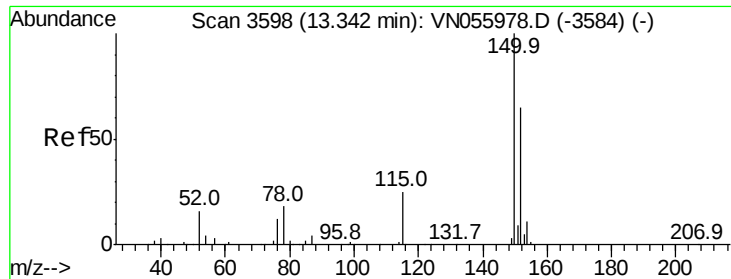


Abundance Ion 116.90 (116.60 to 117.60): VN055978.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN055978.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN055978.D (-2981) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056094.D

Acq: 7 Jun 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

N48970

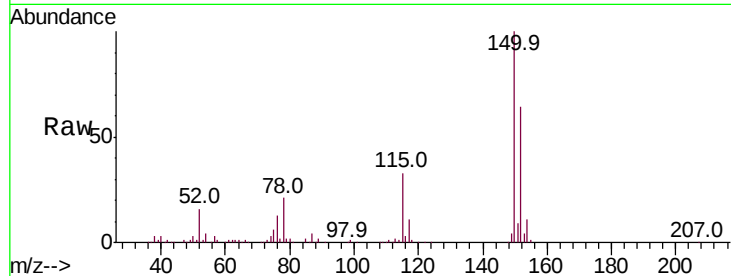
Tot Ion:152 Resp: 155878

Ion Ratio Lower Upper

152 100

115 52.8 27.0 81.0

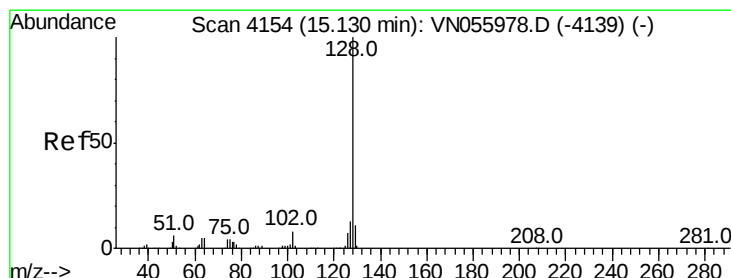
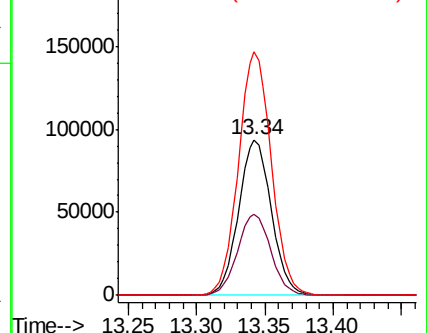
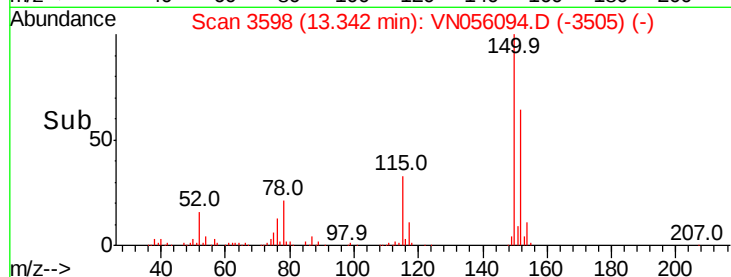
150 157.5 0.0 343.2



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: 4.479 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056094.D

Acq: 7 Jun 2019 12:51

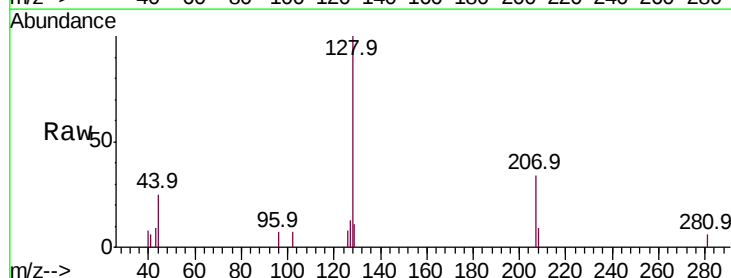
Tgt Ion:128 Resp: 5074

Ion Ratio Lower Upper

128 100

127 10.1 10.3 15.5#

129 9.8 8.7 13.1



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

