

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030419\
 Data File : VN054074.D
 Acq On : 4 Mar 2019 19:07
 Operator : JC/SP
 Sample : K1688-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

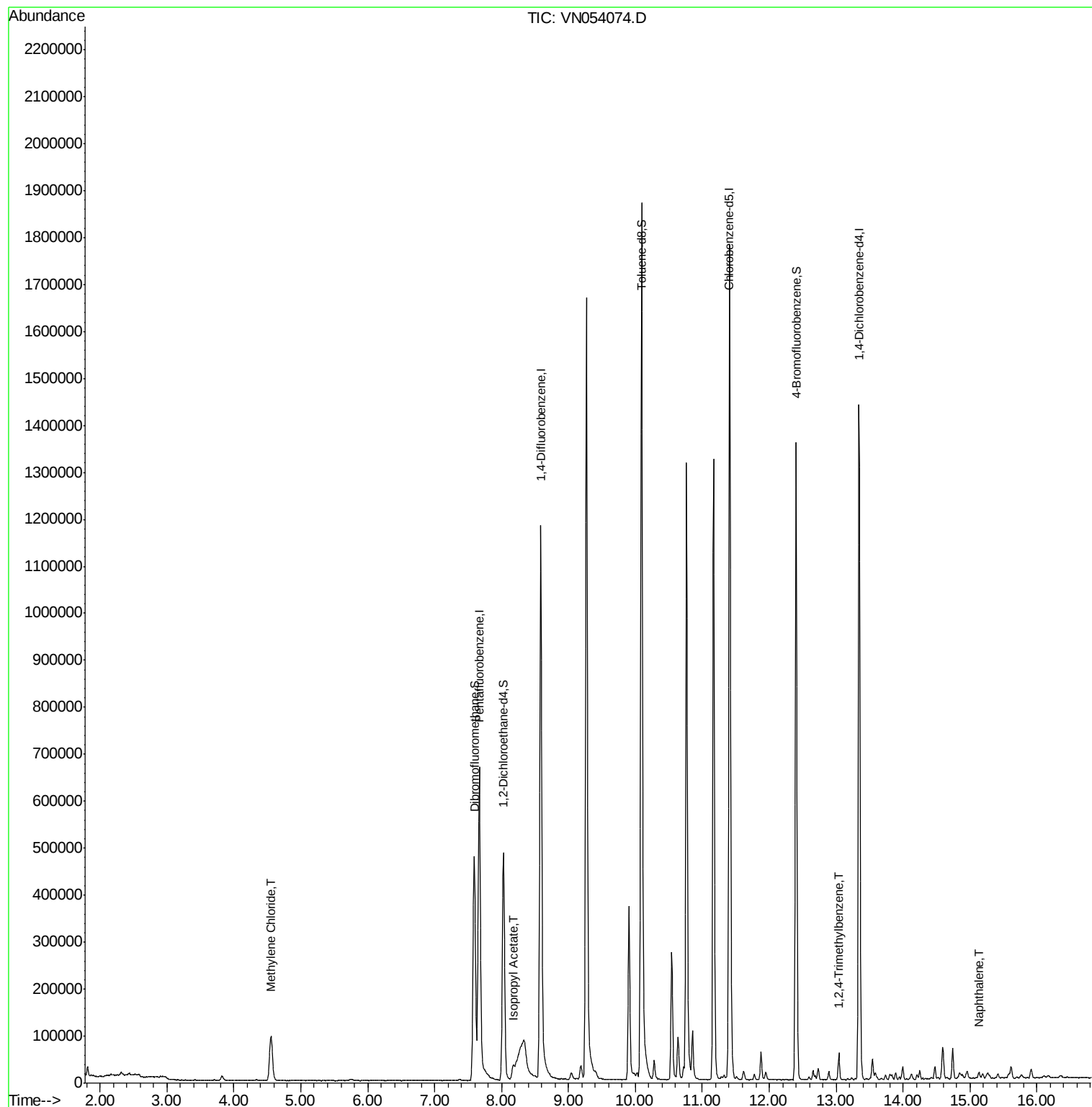
Quant Time: Mar 05 00:30:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

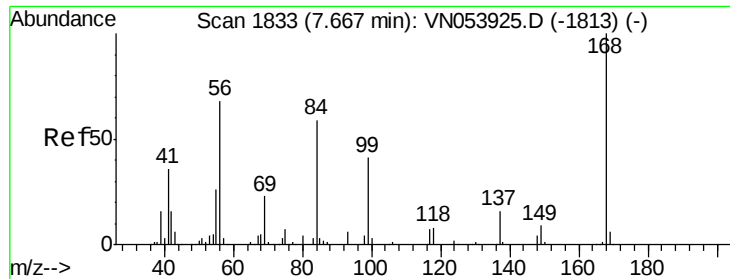
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	623022	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1146040	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1099432	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	401286	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	414014	56.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.38%	
35) Dibromofluoromethane	7.59	113	375140	50.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.24%	
50) Toluene-d8	10.09	98	1450672	52.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.16%	
62) 4-Bromofluorobenzene	12.40	95	472237	51.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.76%	
Target Compounds						
20) Methylene Chloride	4.55	84	71651	9.913	ug/l	86
43) Isopropyl Acetate	8.18	43	37582	2.925	ug/l #	86
84) 1,2,4-Trimethylbenzene	13.04	105	32137	1.259	ug/l	95
95) Naphthalene	15.13	128	11696	3.901	ug/l	97

(#) = 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: VN054074.D

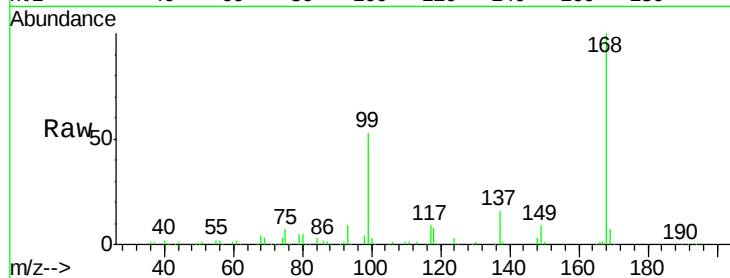
Acq: 4 Mar 2019 19:07

Tot Ion:168 Resp: 623022

Ion Ratio Lower Upper

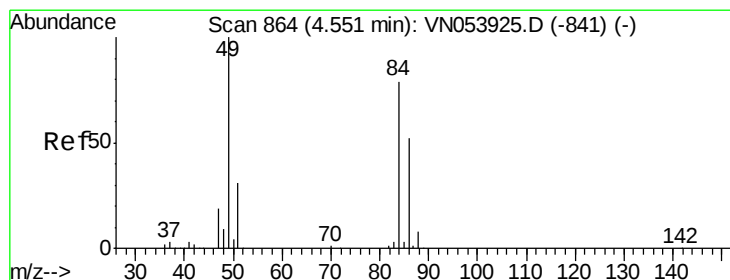
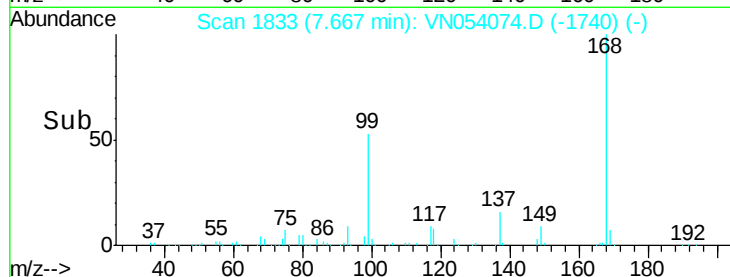
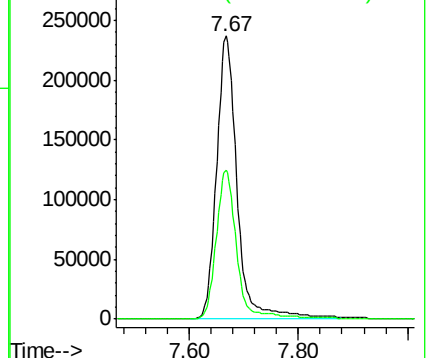
168 100

99 52.8 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#20

Methylene Chloride

Concen: 9.913 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN054074.D

Acq: 4 Mar 2019 19:07

Tgt Ion: 84 Resp: 71651

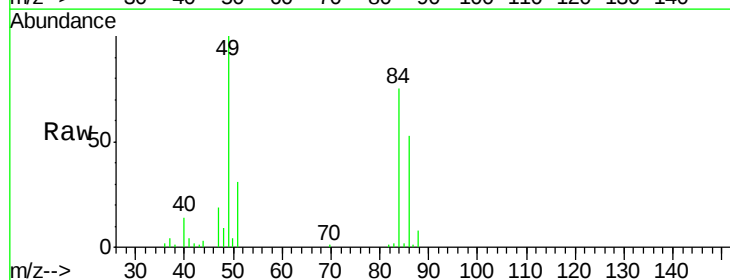
Ion Ratio Lower Upper

84 100

49 131.9 89.7 134.5

51 40.8 27.8 41.8

86 70.0 51.3 76.9

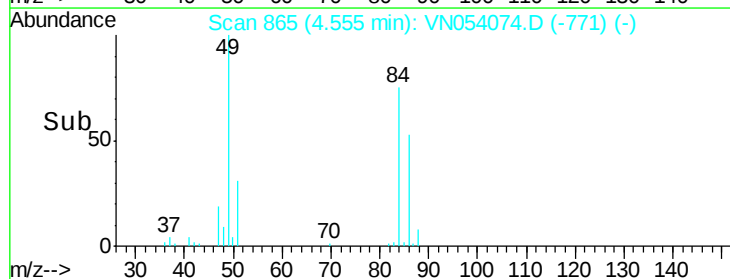
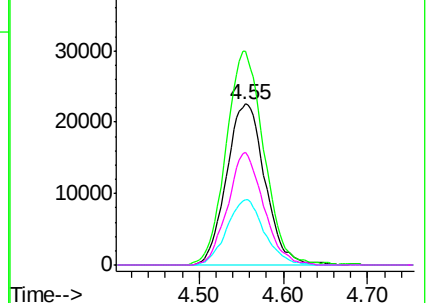


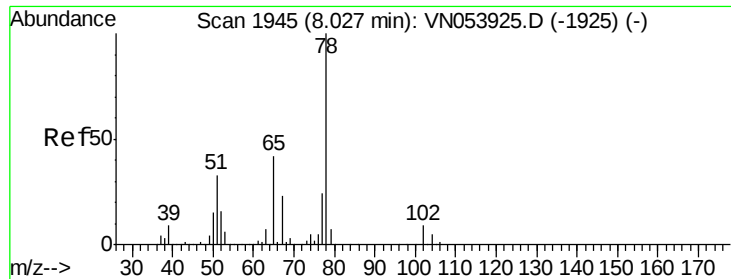
Abundance Ion 83.90 (83.60 to 84.60): VNO

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





#33

1,2-Dichloroethane-d4

Concen: 56.689 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054074.D

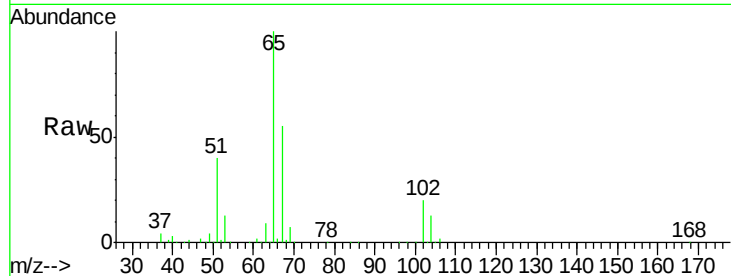
Acq: 4 Mar 2019 19:07

Tot Ion: 65 Resp: 414014

Ion Ratio Lower Upper

65 100

67 55.4 0.0 111.8



Abundance Ion 64.90 (64.60 to 65.60): VN054074.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN054074.D (-1852) (-)

8.03

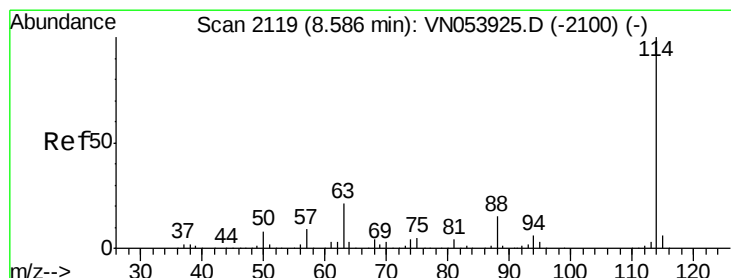
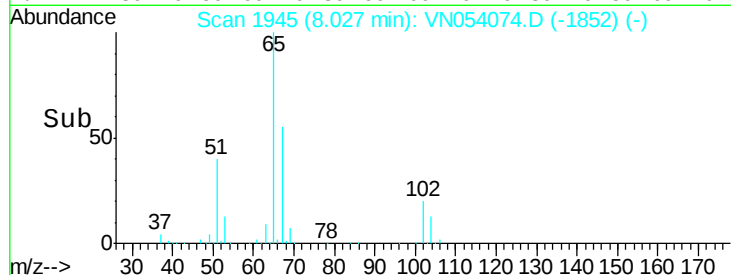
150000

100000

50000

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: VN054074.D

Acq: 4 Mar 2019 19:07

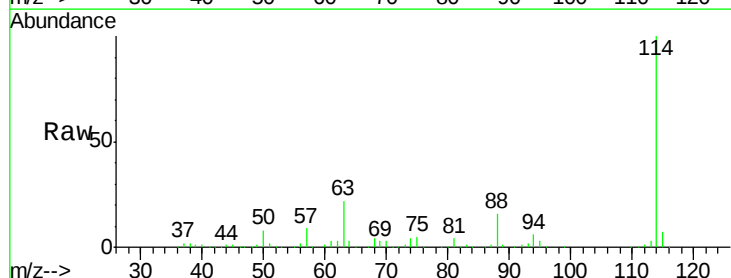
Tgt Ion: 114 Resp: 1146040

Ion Ratio Lower Upper

114 100

63 21.6 0.0 37.4

88 15.8 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VN054074.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN054074.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN054074.D (-2026) (-)

8.59

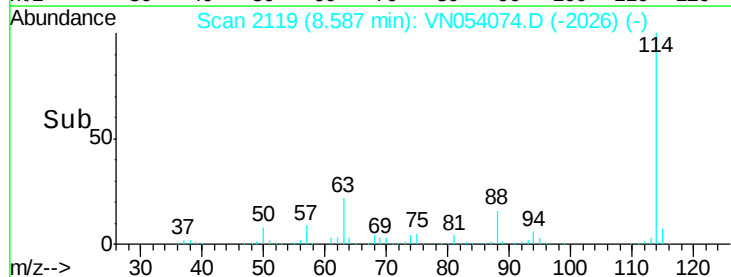
600000

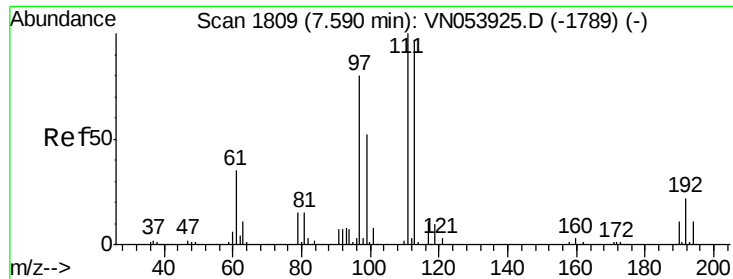
400000

200000

0

Time--> 8.40 8.60 8.80





#35

Dibromofluoromethane

Concen: 50.620 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054074.D

Acq: 4 Mar 2019 19:07

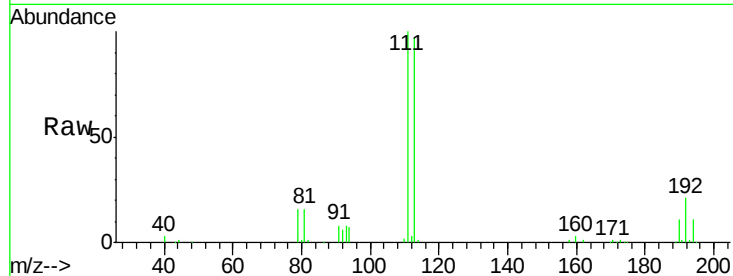
Tot Ion:113 Resp: 375140

Ion Ratio Lower Upper

113 100

111 102.7 81.1 121.7

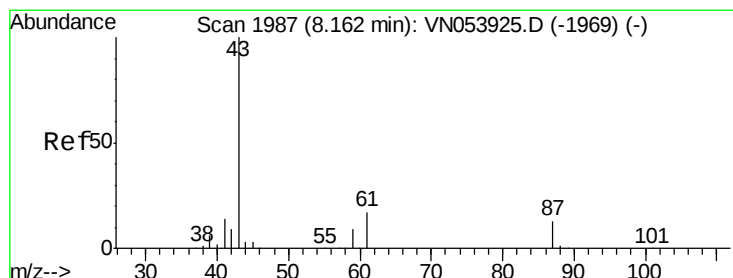
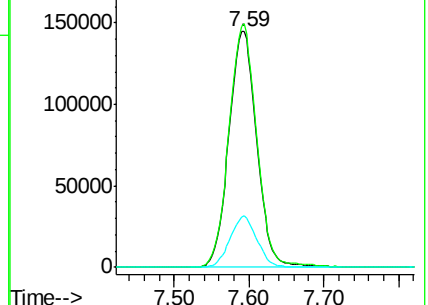
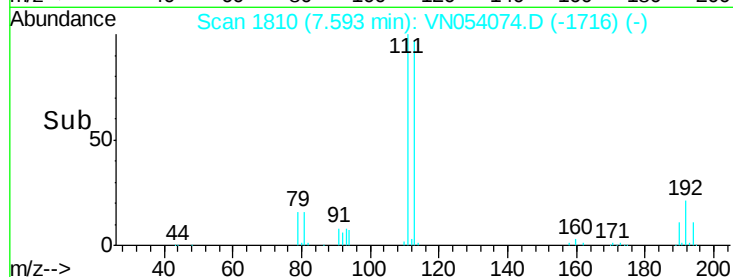
192 20.9 18.8 28.2



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



#43

Isopropyl Acetate

Concen: 2.925 ug/l

RT: 8.18 min Scan# 1992

Delta R.T. 0.02 min

Lab File: VN054074.D

Acq: 4 Mar 2019 19:07

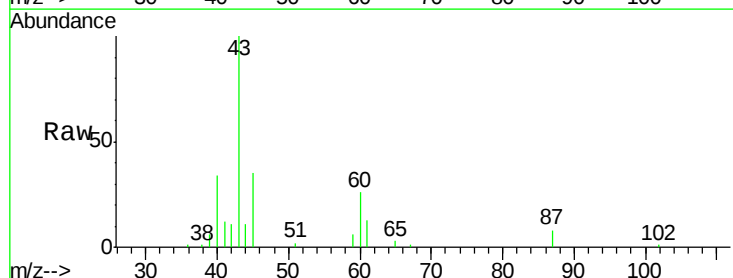
Tgt Ion: 43 Resp: 37582

Ion Ratio Lower Upper

43 100

61 14.9 17.4 26.0#

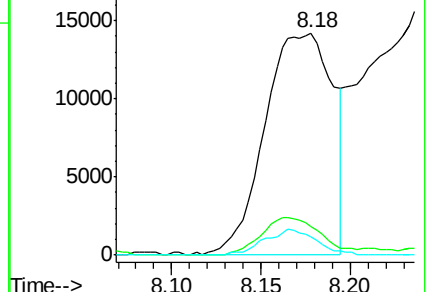
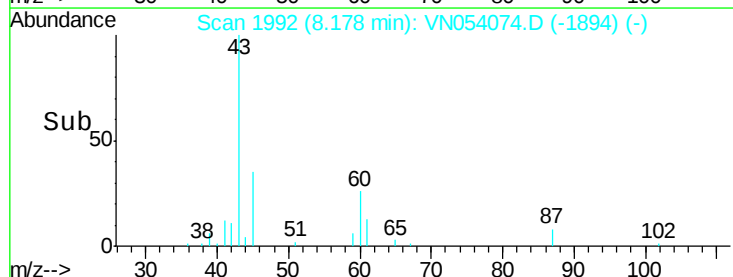
87 9.0 11.5 17.3#

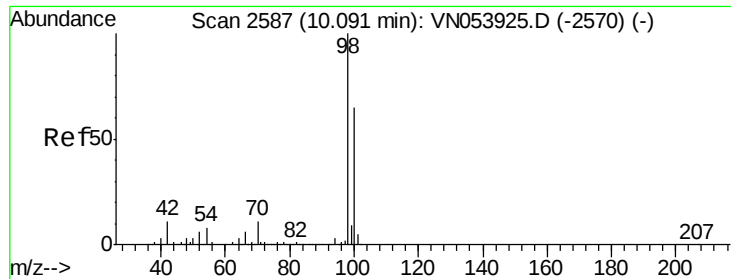


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 52.584 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054074.D

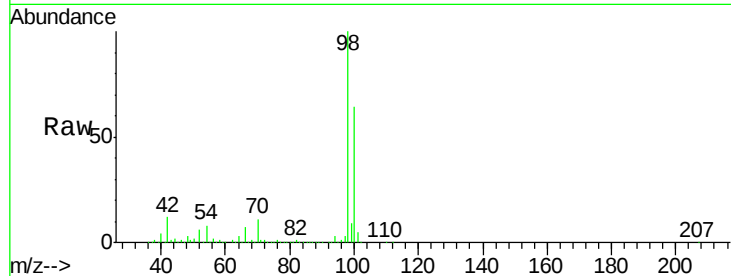
Acq: 4 Mar 2019 19:07

Tot Ion: 98 Resp: 1450672

Ion Ratio Lower Upper

98 100

100 63.6 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN053925.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN053925.D (-2570) (-)

10.09

800000

600000

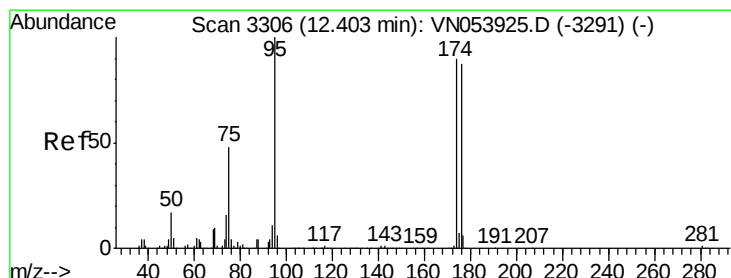
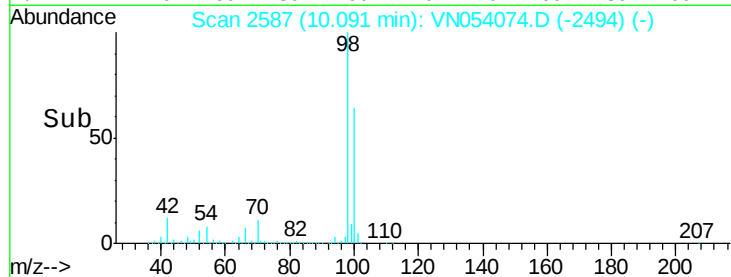
400000

200000

0

10.00 10.20

Time-->



#62

4-Bromofluorobenzene

Concen: 51.378 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054074.D

Acq: 4 Mar 2019 19:07

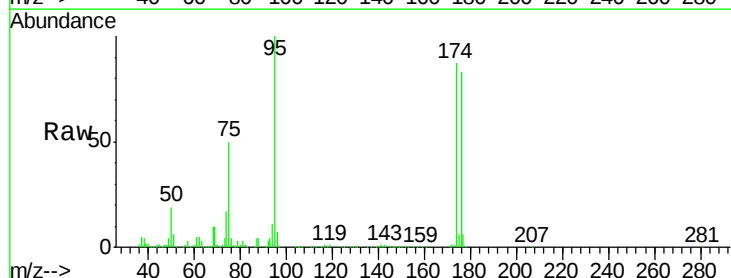
Tgt Ion: 95 Resp: 472237

Ion Ratio Lower Upper

95 100

174 86.9 0.0 188.8

176 84.5 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) (-)

12.40

300000

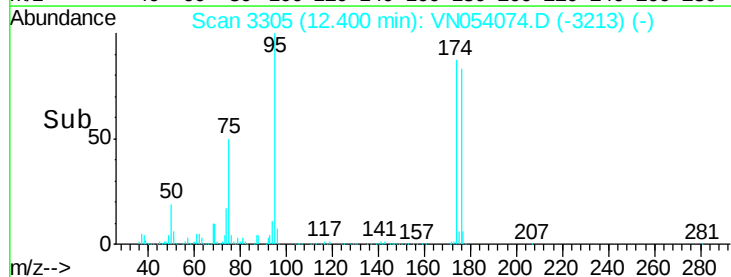
200000

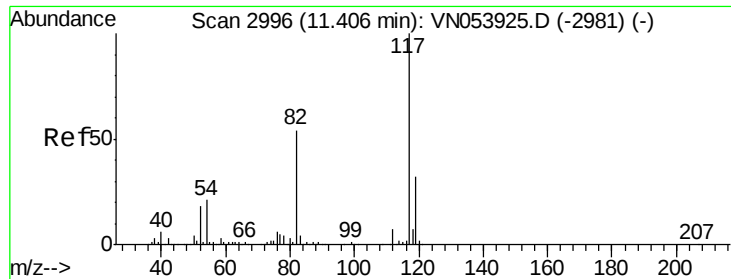
100000

0

12.30 12.35 12.40 12.45

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

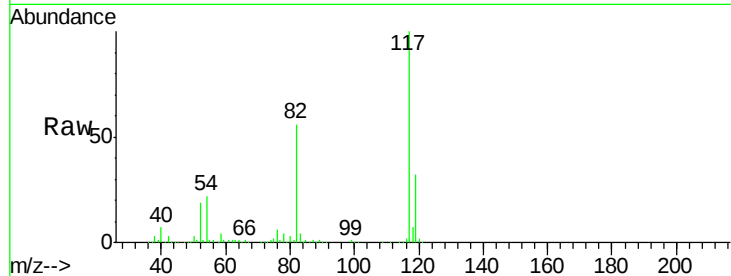
Delta R.T. 0.00 min

Lab File: VN054074.D

Acq: 4 Mar 2019 19:07

Tot Ion:117 Resp: 1099432

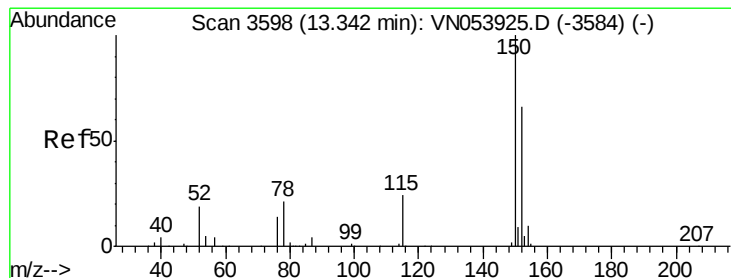
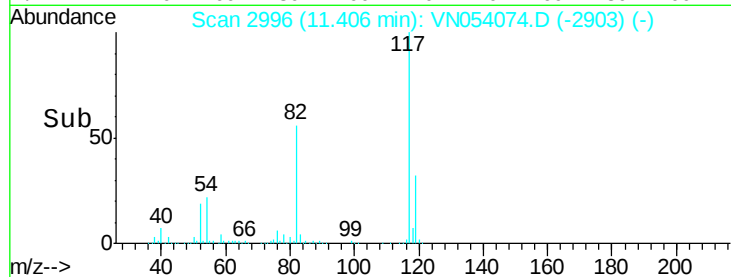
Ion	Ratio	Lower	Upper
117	100		
82	55.7	41.4	62.2
119	31.9	25.3	37.9



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: 13.34 min Scan# 3598

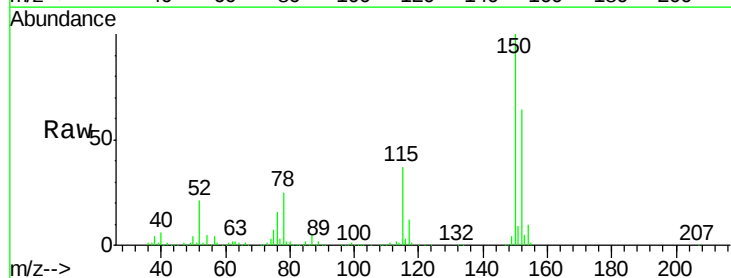
Delta R.T. 0.00 min

Lab File: VN054074.D

Acq: 4 Mar 2019 19:07

Tgt Ion:152 Resp: 401286

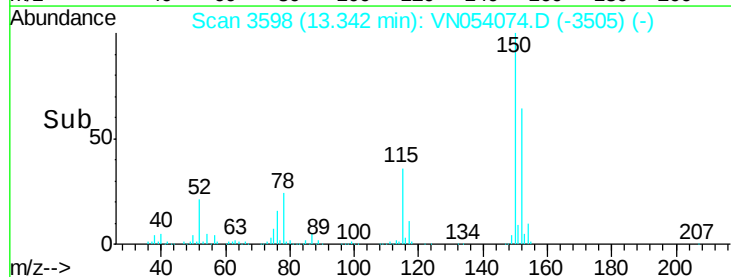
Ion	Ratio	Lower	Upper
152	100		
115	57.8	27.2	81.6
150	157.2	0.0	348.2

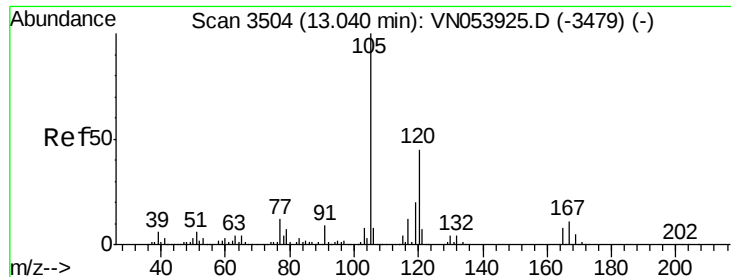


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

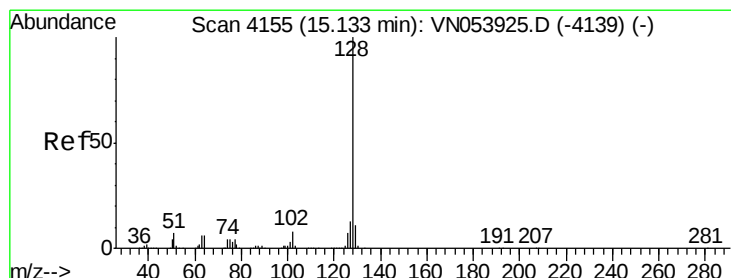
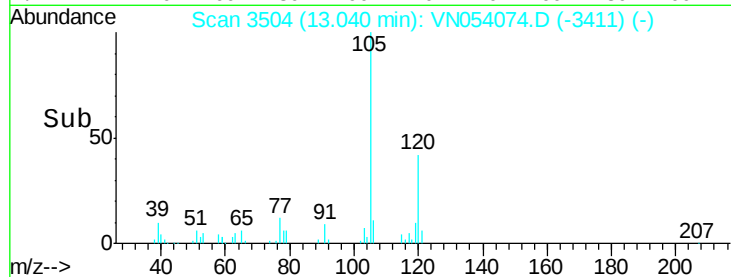
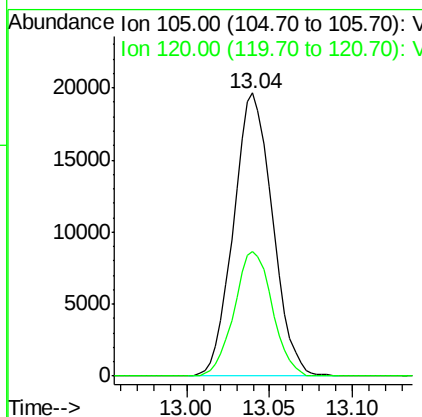
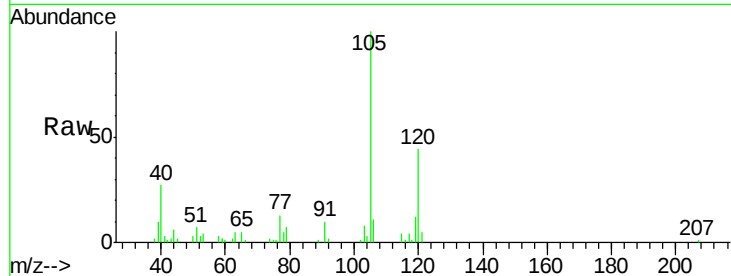
Ion 149.90 (149.60 to 150.60): V





#84
 1,2,4-Trimethylbenzene
 Concen: 1.259 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054074.D
 Acq: 4 Mar 2019 19:07

Tot Ion:105 Resp: 32137
 Ion Ratio Lower Upper
 105 100
 120 42.8 23.2 69.5



#95
 Naphthalene
 Concen: 3.901 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN054074.D
 Acq: 4 Mar 2019 19:07

Tgt Ion:128 Resp: 11696
 Ion Ratio Lower Upper
 128 100
 127 14.3 10.2 15.2
 129 10.1 8.6 12.8

