

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030419\
 Data File : VN054079.D
 Acq On : 4 Mar 2019 21:21
 Operator : JC/SP
 Sample : K1688-20
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

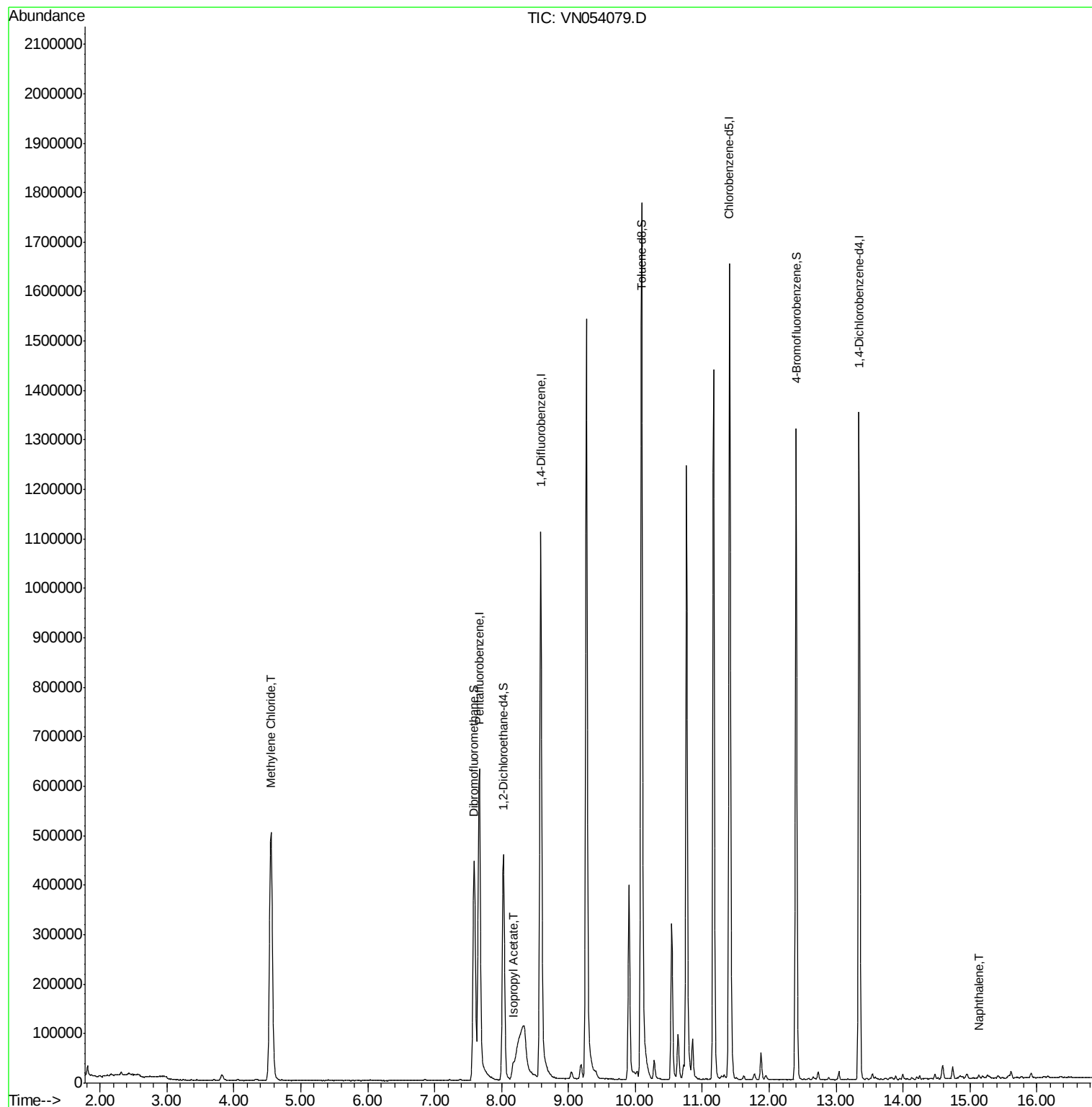
Quant Time: Mar 05 00:46:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

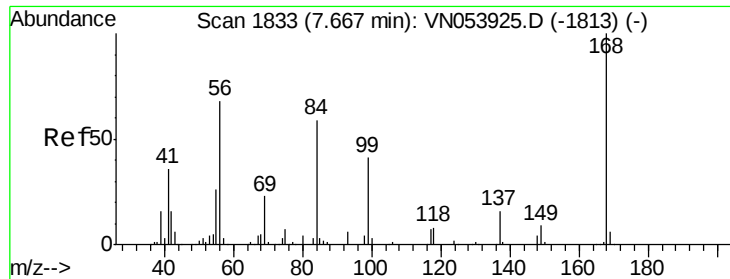
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	584972	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1090496	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1052588	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	368099	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	395765	57.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.44%	
35) Dibromofluoromethane	7.59	113	348342	49.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.80%	
50) Toluene-d8	10.09	98	1376290	52.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.86%	
62) 4-Bromofluorobenzene	12.40	95	451456	51.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.24%	
Target Compounds						
20) Methylene Chloride	4.55	84	377706	55.654	ug/l	88
43) Isopropyl Acetate	8.17	43	36831	3.012	ug/l #	90
95) Naphthalene	15.13	128	5873	3.589	ug/l #	92

(#) = 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: VN054079.D

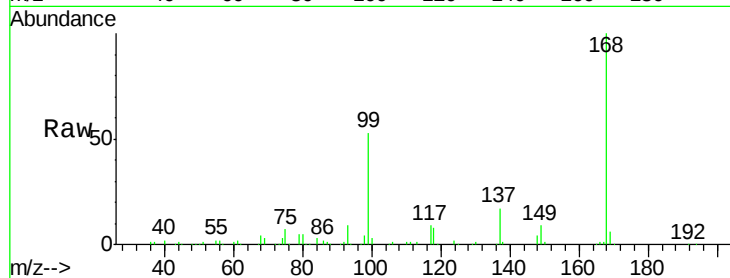
Acq: 4 Mar 2019 21:21

Tot Ion:168 Resp: 584972

Ion Ratio Lower Upper

168 100

99 53.2 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

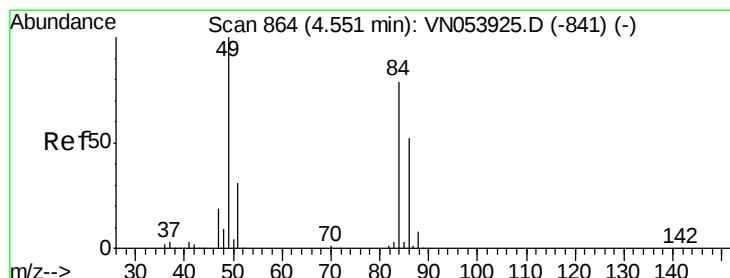
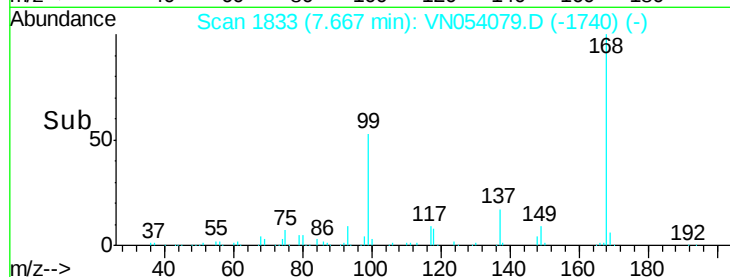
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#20

Methylene Chloride

Concen: 55.654 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN054079.D

Acq: 4 Mar 2019 21:21

Tgt Ion: 84 Resp: 377706

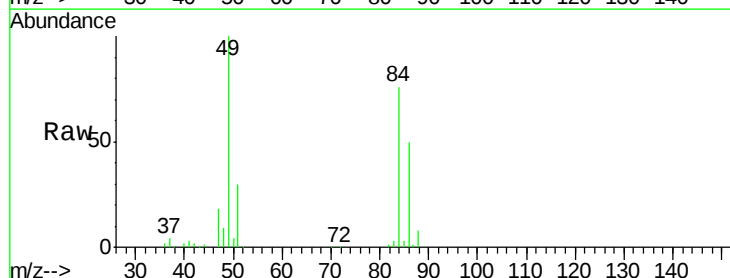
Ion Ratio Lower Upper

84 100

49 132.3 89.7 134.5

51 40.0 27.8 41.8

86 65.7 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

250000

200000

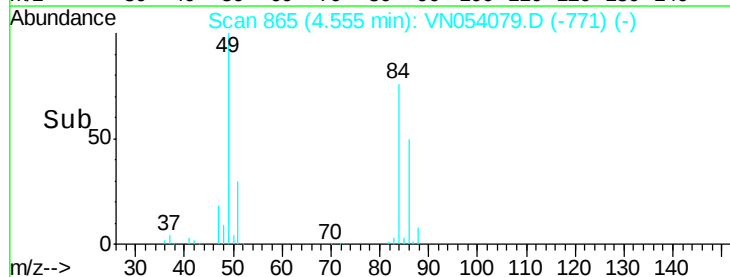
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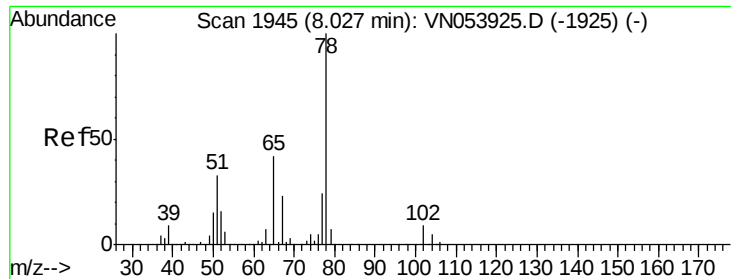
100000

50000

0

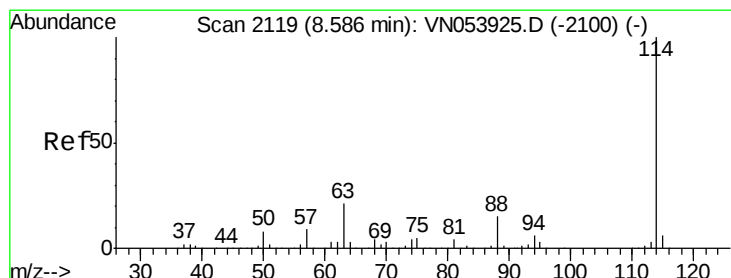
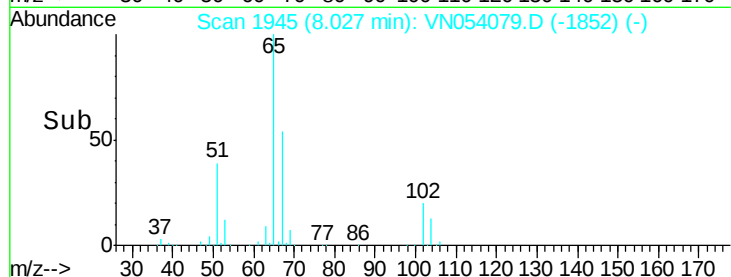
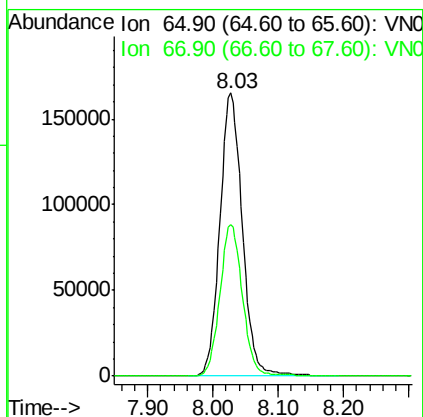
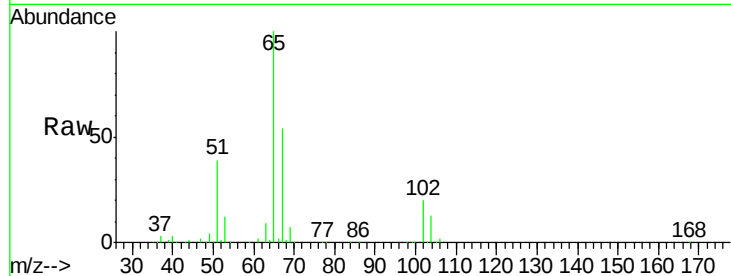
Time--> 4.40 4.50 4.60 4.70





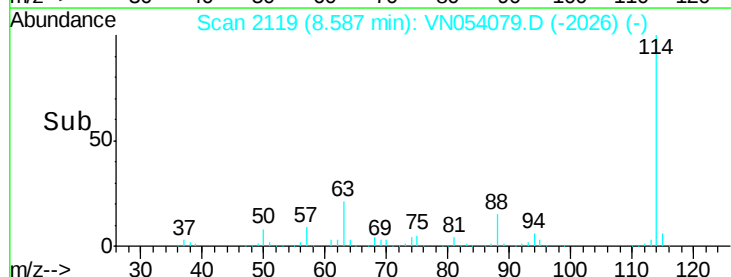
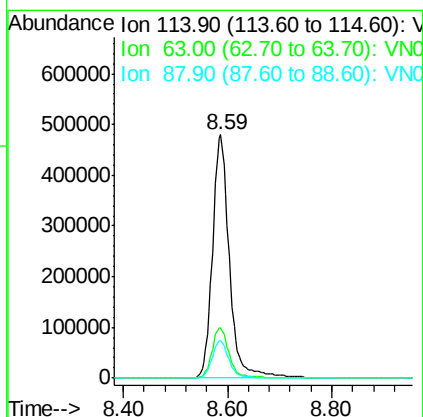
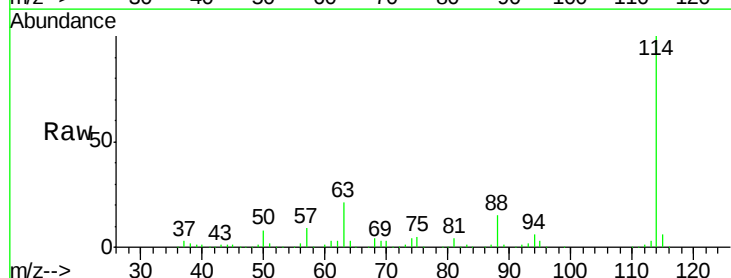
#33
 1,2-Dichloroethane-d4
 Concen: 57.715 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054079.D
 Acq: 4 Mar 2019 21:21

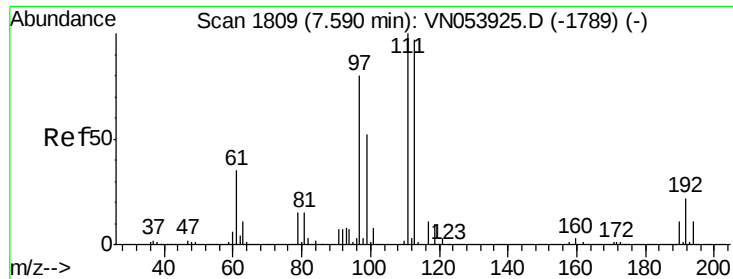
Tot Ion: 65 Resp: 395765
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 111.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054079.D
 Acq: 4 Mar 2019 21:21

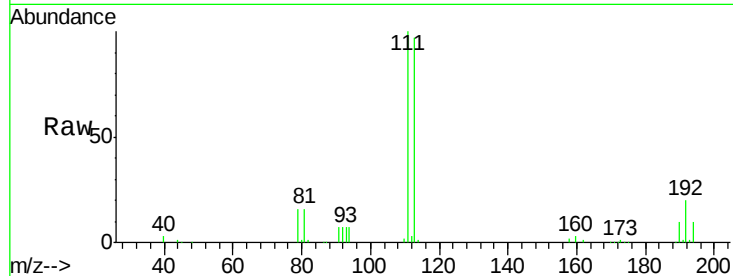
Tgt Ion: 114 Resp: 1090496
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 37.4
 88 15.4 0.0 30.4



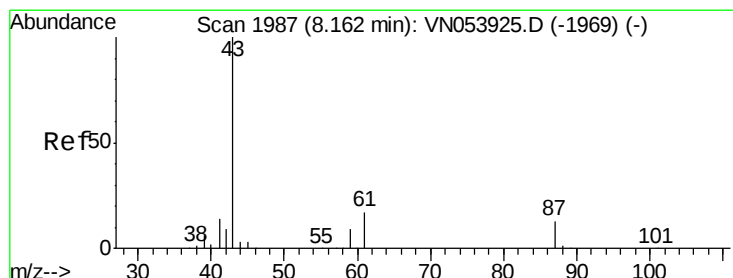
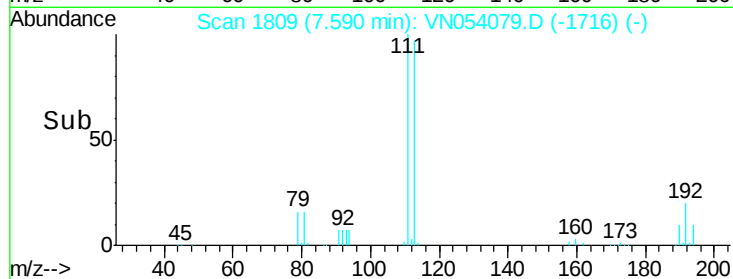
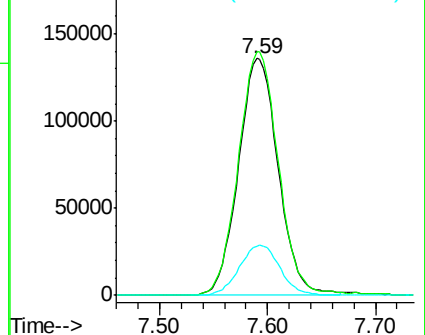


#35
 Dibromofluoromethane
 Concen: 49.398 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054079.D
 Acq: 4 Mar 2019 21:21

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.1	121.7
192	21.5	18.8	28.2

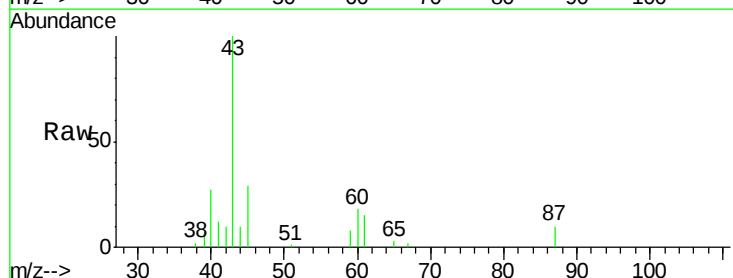


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

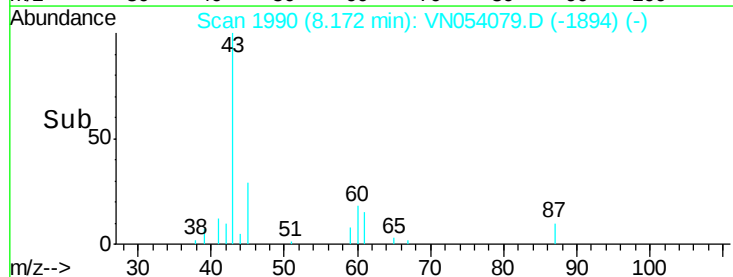
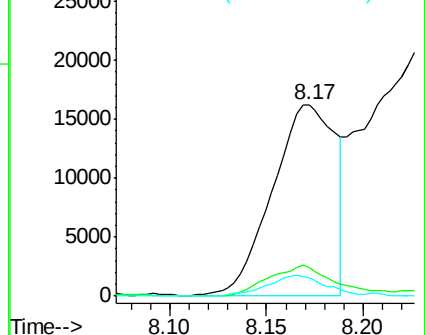


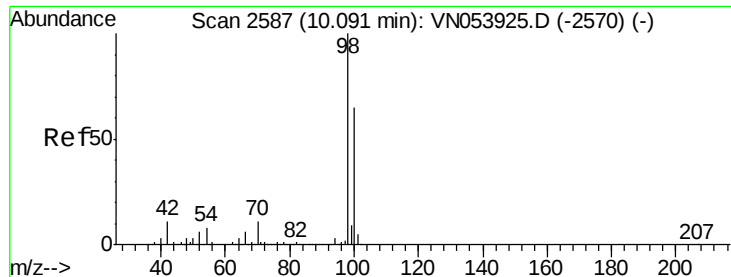
#43
 Isopropyl Acetate
 Concen: 3.012 ug/l
 RT: 8.17 min Scan# 1990
 Delta R.T. 0.01 min
 Lab File: VN054079.D
 Acq: 4 Mar 2019 21:21

Tgt Ion	Ratio	Lower	Upper
43	100		
61	17.1	17.4	26.0#
87	10.1	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: 52.429 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054079.D

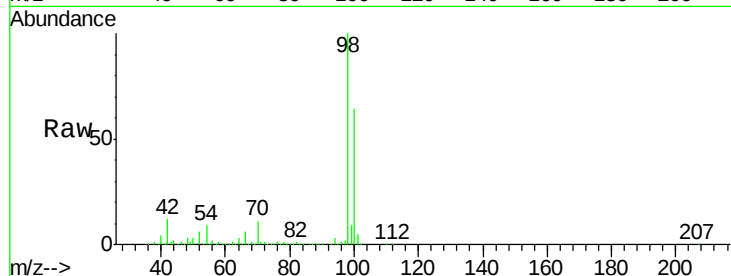
Acq: 4 Mar 2019 21:21

Tot Ion: 98 Resp: 1376290

Ion Ratio Lower Upper

98 100

100 63.8 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN054079.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN054079.D (-2494) (-)

10.09

600000

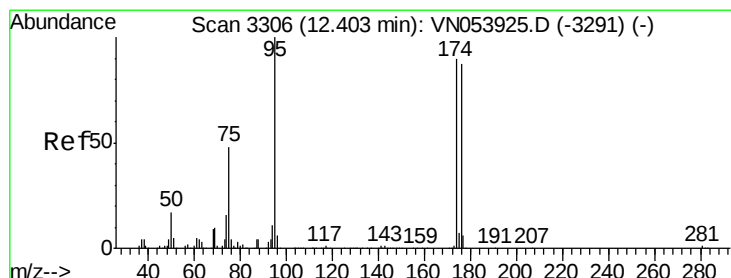
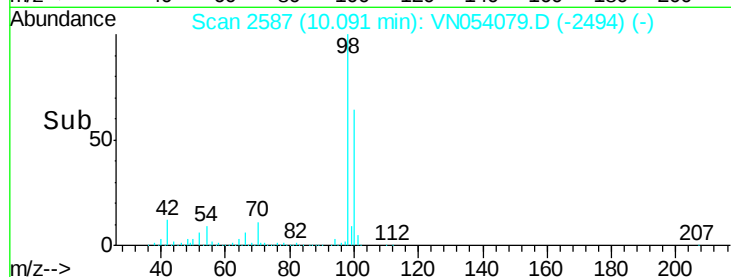
400000

200000

0

Time-->

10.00 10.10 10.20 10.30



#62

4-Bromofluorobenzene

Concen: 51.619 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054079.D

Acq: 4 Mar 2019 21:21

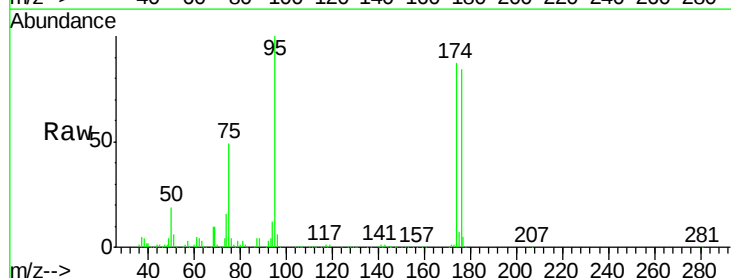
Tgt Ion: 95 Resp: 451456

Ion Ratio Lower Upper

95 100

174 86.5 0.0 188.8

176 83.0 0.0 182.6



Abundance Ion 94.90 (94.60 to 95.60): VN054079.D (-3213) (-)

Ion 173.80 (173.50 to 174.50): VN054079.D (-3213) (-)

Ion 175.80 (175.50 to 176.50): VN054079.D (-3213) (-)

12.40

300000

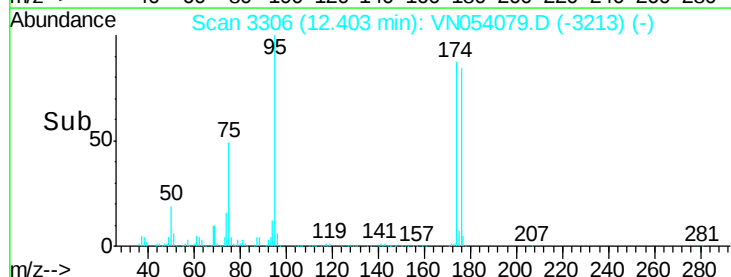
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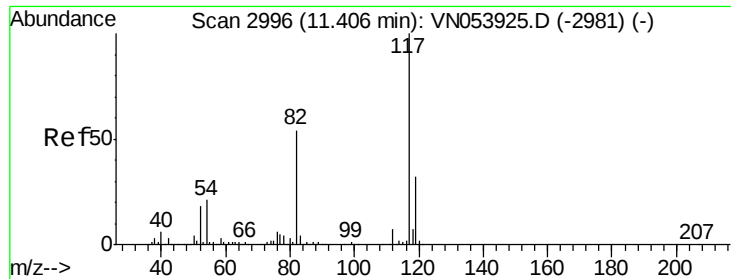
100000

0

Time-->

12.30 12.40 12.50

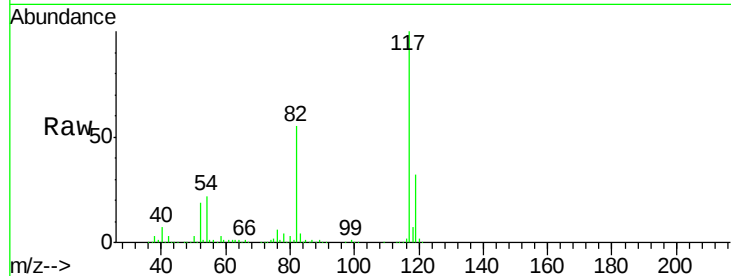




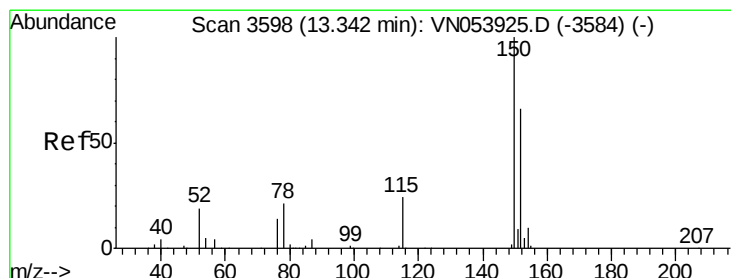
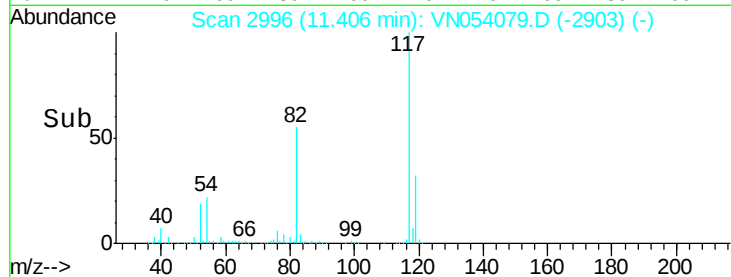
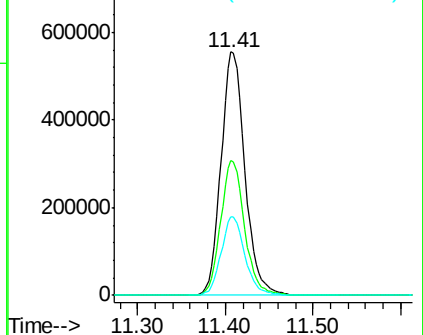
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054079.D
Acq: 4 Mar 2019 21:21

Tot Ion:117 Resp: 1052588

Ion	Ratio	Lower	Upper
117	100		
82	55.4	41.4	62.2
119	32.3	25.3	37.9



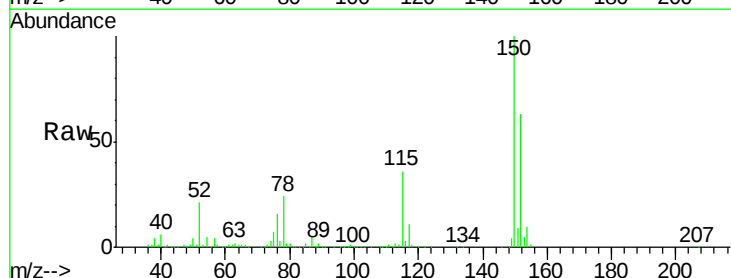
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



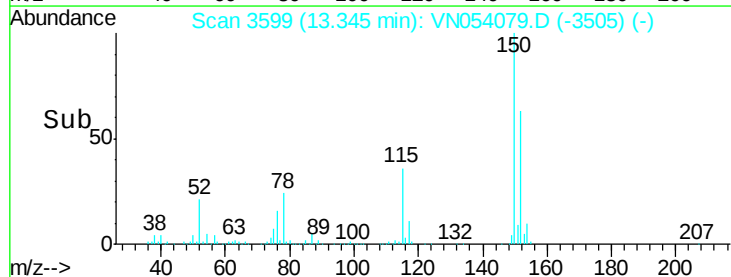
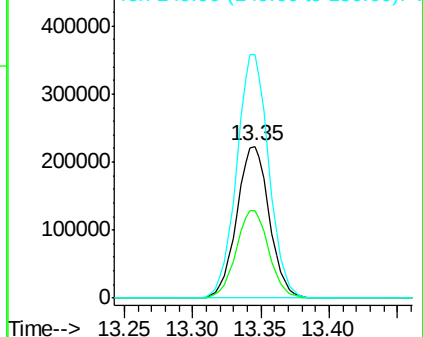
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN054079.D
Acq: 4 Mar 2019 21:21

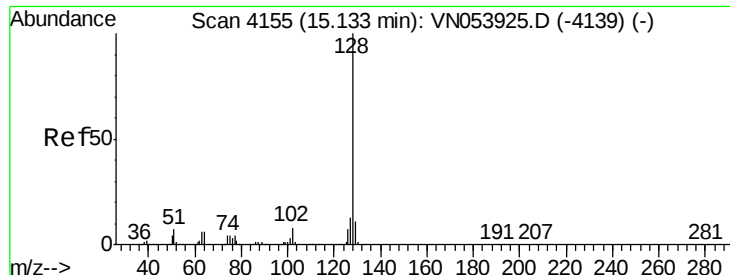
Tgt Ion:152 Resp: 368099

Ion	Ratio	Lower	Upper
152	100		
115	58.0	27.2	81.6
150	158.7	0.0	348.2



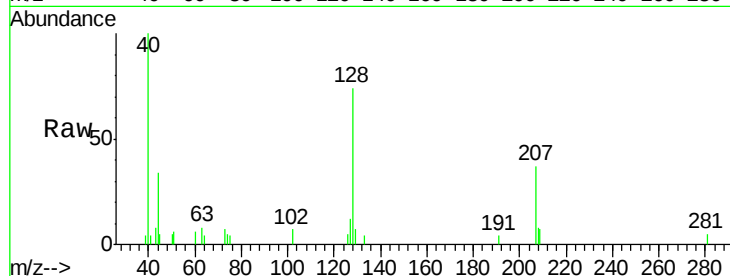
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#95
Naphthalene
Concen: 3.589 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054079.D
Acq: 4 Mar 2019 21:21

Tot Ion:128 Resp: 5873
Ion Ratio Lower Upper
128 100
127 15.1 10.2 15.2
129 7.0 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

