

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030419\
 Data File : VN054078.D
 Acq On : 4 Mar 2019 20:55
 Operator : JC/SP
 Sample : K1688-18
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

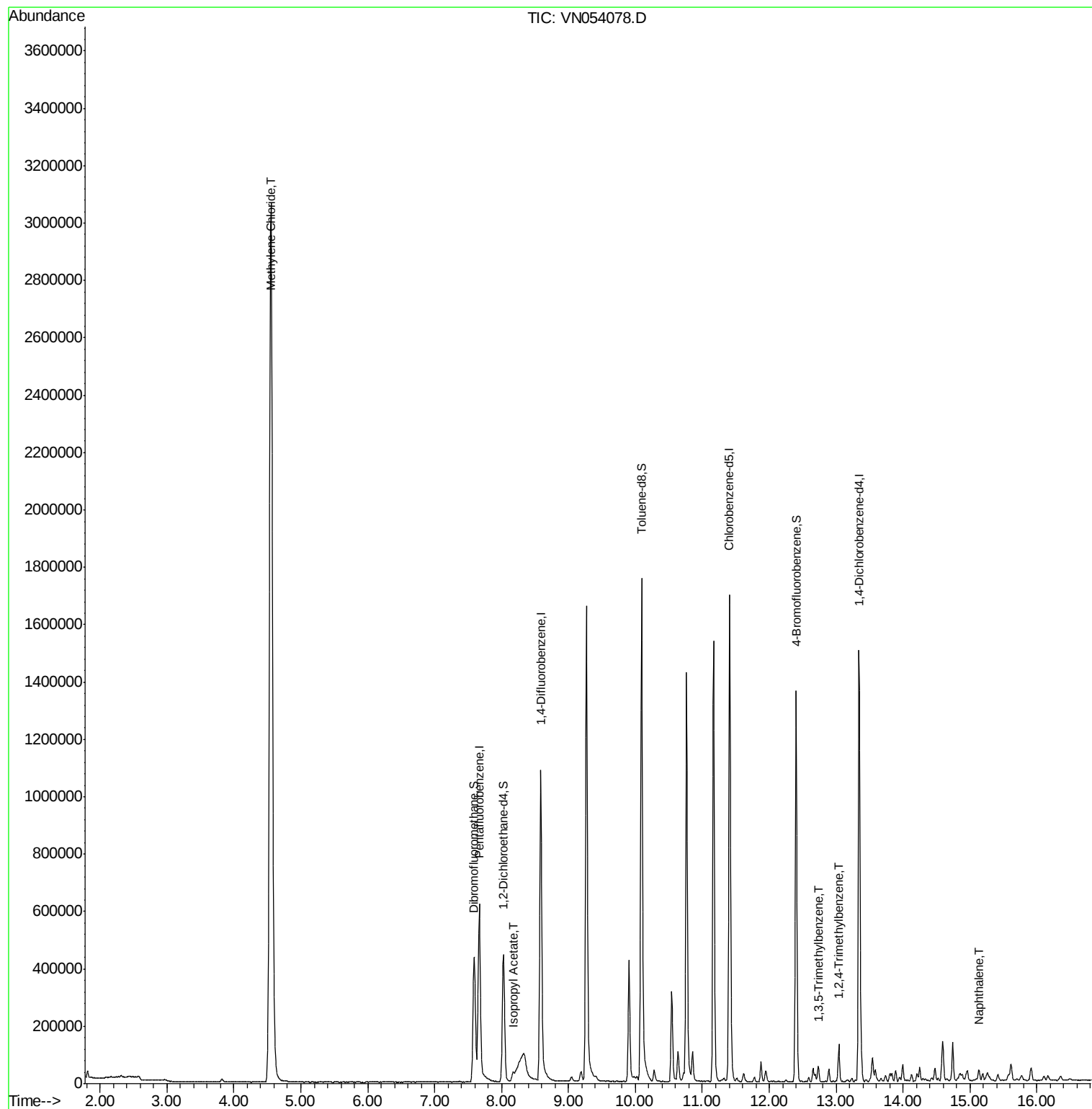
Quant Time: Mar 05 00:45:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

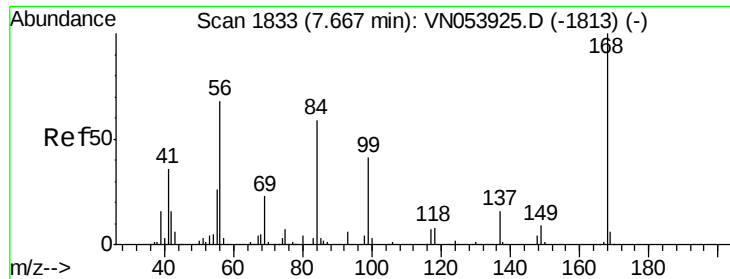
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	575647	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1064335	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1068992	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	418221	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	386174	57.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.46%	
35) Dibromofluoromethane	7.59	113	342759	49.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.60%	
50) Toluene-d8	10.09	98	1365520	53.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.60%	
62) 4-Bromofluorobenzene	12.40	95	478476	56.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.10%	
Target Compounds						
20) Methylene Chloride	4.55	84	2368685	354.670	ug/l	90
43) Isopropyl Acetate	8.17	43	42611	3.571	ug/l #	84
80) 1,3,5-Trimethylbenzene	12.73	105	27317	1.025	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	72810	2.736	ug/l	99
95) Naphthalene	15.13	128	32948	5.074	ug/l	99

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

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QLast Update : Thu Feb 28 04:05:45 2019
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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: VN054078.D

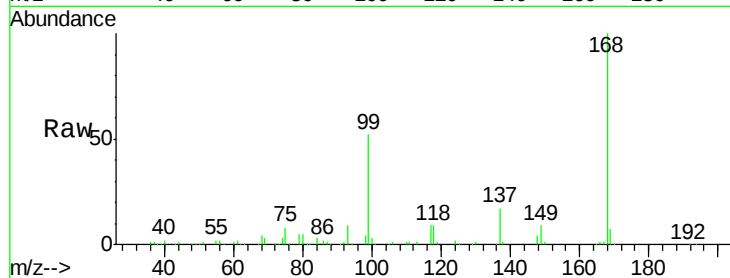
Acq: 4 Mar 2019 20:55

Tot Ion:168 Resp: 575647

Ion Ratio Lower Upper

168 100

99 52.1 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

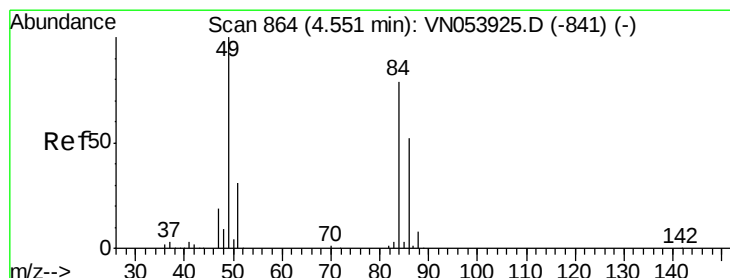
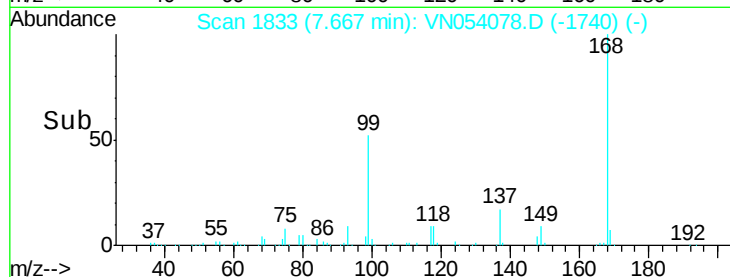
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#20

Methylene Chloride

Concen: 354.670 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN054078.D

Acq: 4 Mar 2019 20:55

Tgt Ion: 84 Resp: 2368685

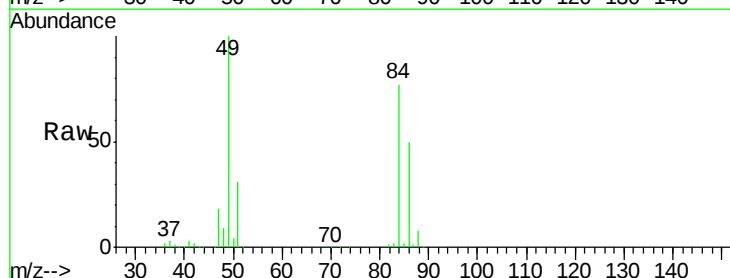
Ion Ratio Lower Upper

84 100

49 129.7 89.7 134.5

51 39.7 27.8 41.8

86 64.3 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

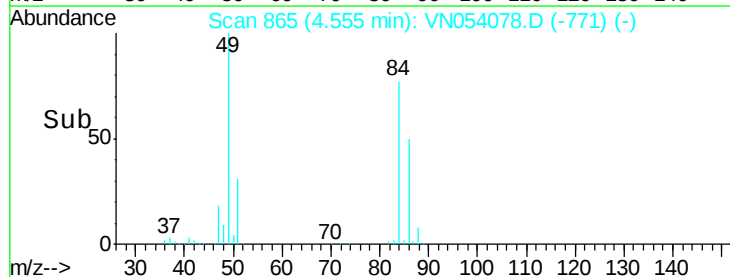
1500000

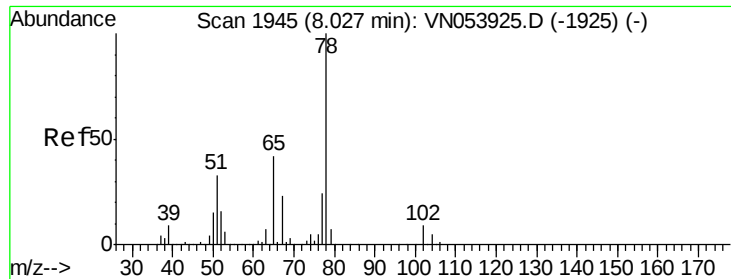
1000000

500000

0

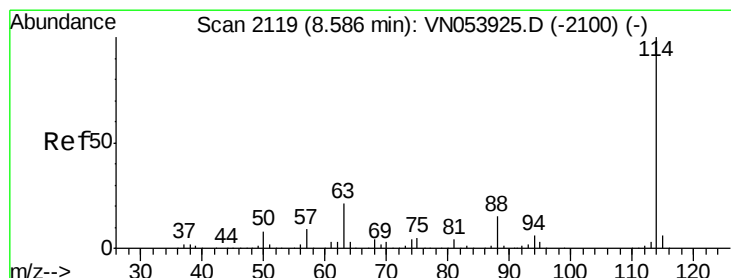
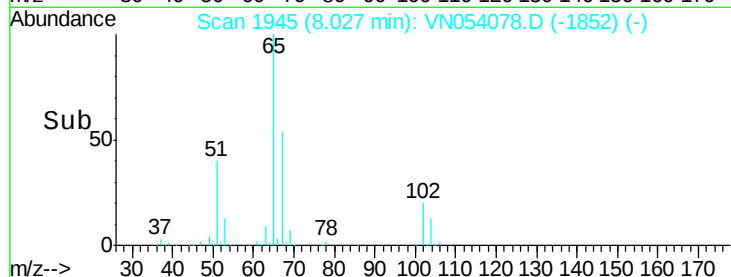
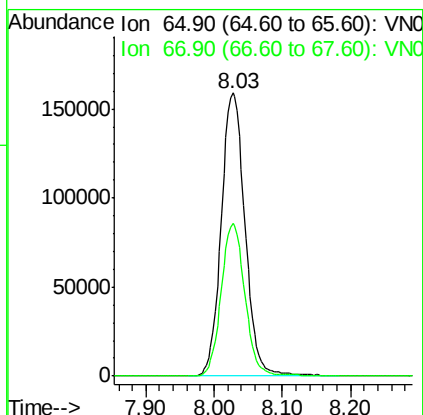
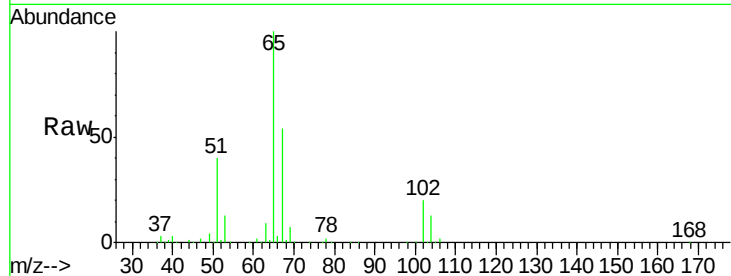
Time--> 4.40 4.50 4.60 4.70 4.80





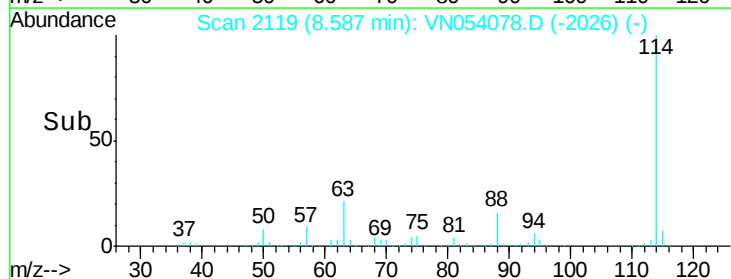
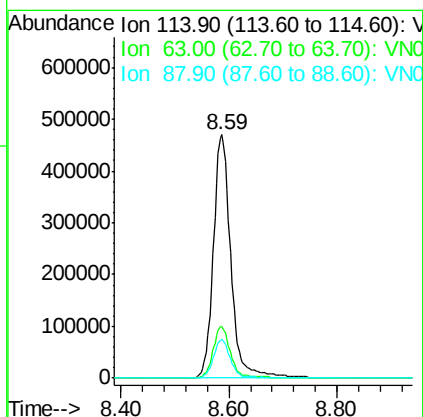
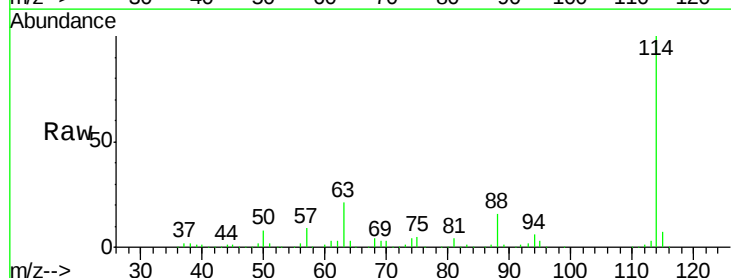
#33
 1,2-Dichloroethane-d4
 Concen: 57.229 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054078.D
 Acq: 4 Mar 2019 20:55

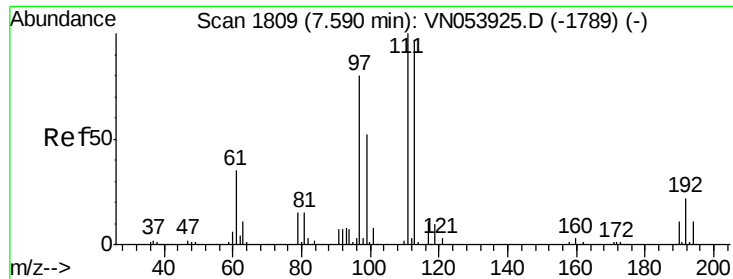
Tot Ion: 65 Resp: 386174
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 111.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054078.D
 Acq: 4 Mar 2019 20:55

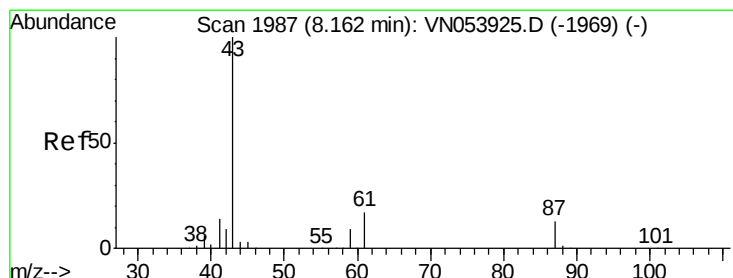
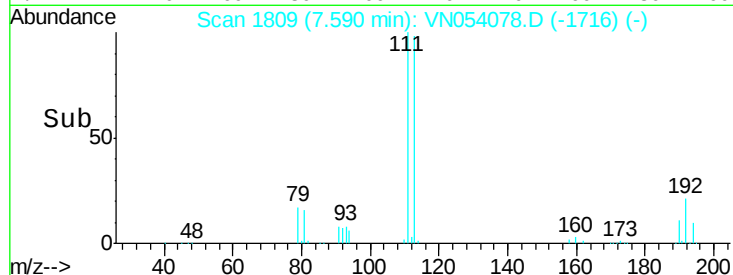
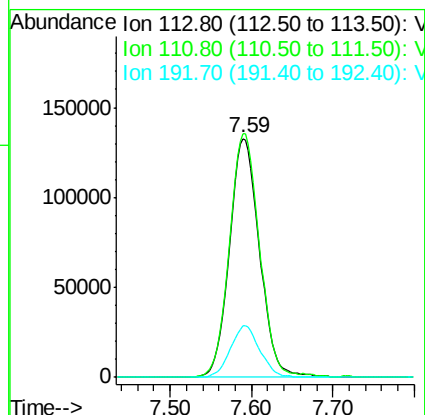
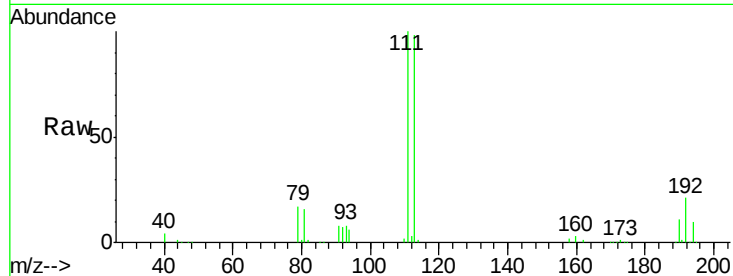
Tgt Ion: 114 Resp: 1064335
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 37.4
 88 15.7 0.0 30.4





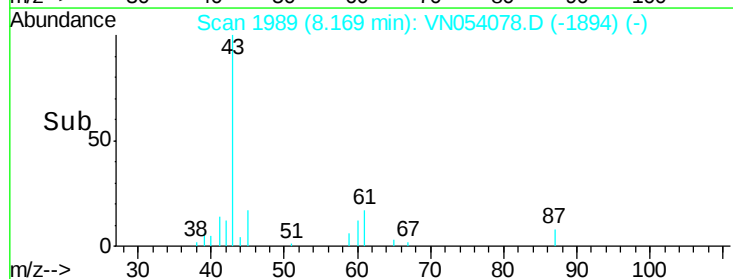
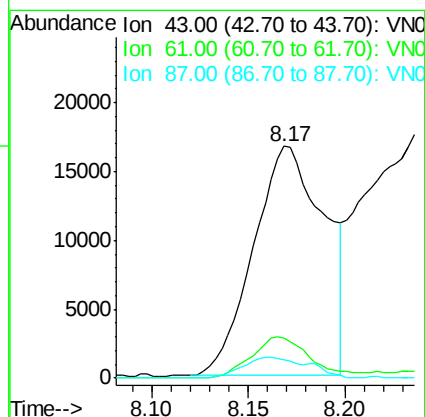
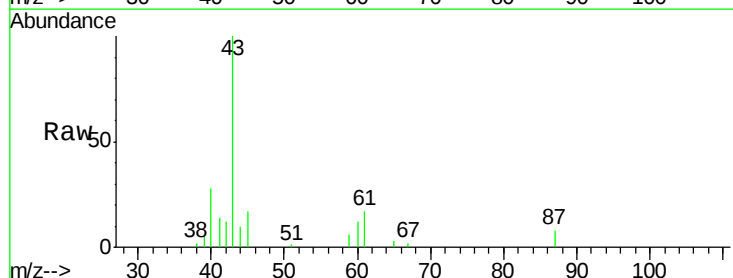
#35
 Dibromofluoromethane
 Concen: 49.801 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054078.D
 Acq: 4 Mar 2019 20:55

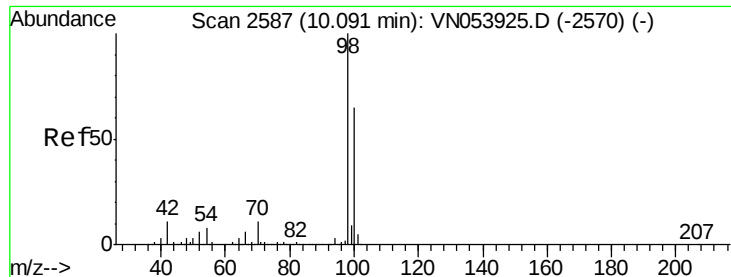
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.1	121.7
192	21.1	18.8	28.2



#43
 Isopropyl Acetate
 Concen: 3.571 ug/l
 RT: 8.17 min Scan# 1989
 Delta R.T. 0.01 min
 Lab File: VN054078.D
 Acq: 4 Mar 2019 20:55

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.8	17.4	26.0#
87	6.7	11.5	17.3#





#50

Toluene-d8

Concen: 53.297 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054078.D

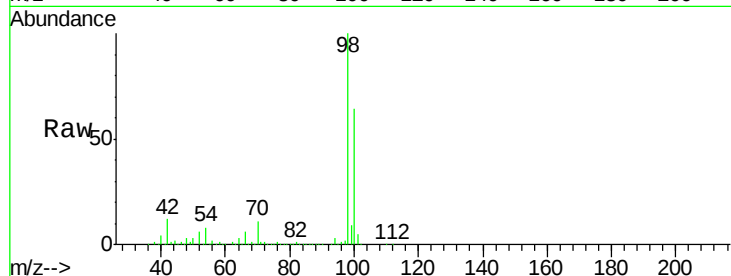
Acq: 4 Mar 2019 20:55

Tot Ion: 98 Resp: 1365520

Ion Ratio Lower Upper

98 100

100 63.9 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN054078.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN054078.D (-2494) (-)

800000

600000

400000

200000

0

10.09

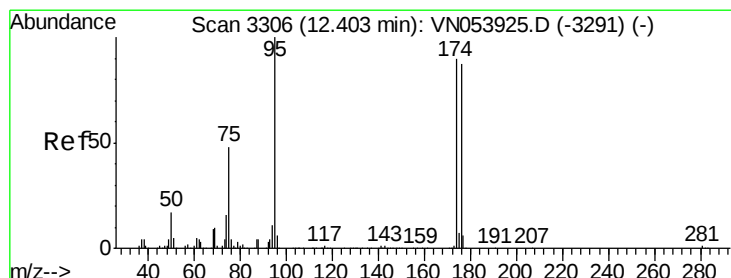
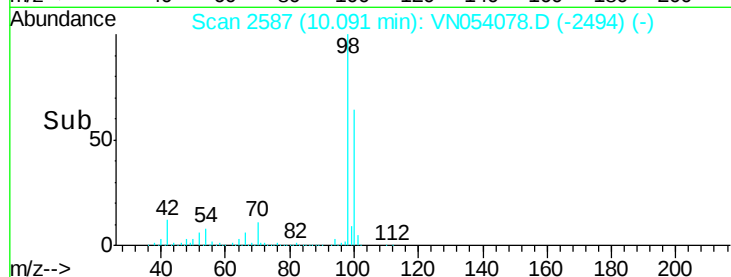
10.00

10.10

10.20

10.30

Time-->



#62

4-Bromofluorobenzene

Concen: 56.053 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054078.D

Acq: 4 Mar 2019 20:55

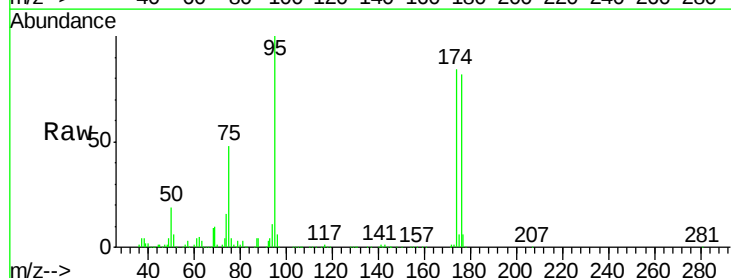
Tgt Ion: 95 Resp: 478476

Ion Ratio Lower Upper

95 100

174 85.2 0.0 188.8

176 82.3 0.0 182.6



Abundance Ion 94.90 (94.60 to 95.60): VN054078.D (-3213) (-)

Ion 173.80 (173.50 to 174.50): VN054078.D (-3213) (-)

Ion 175.80 (175.50 to 176.50): VN054078.D (-3213) (-)

300000

200000

100000

0

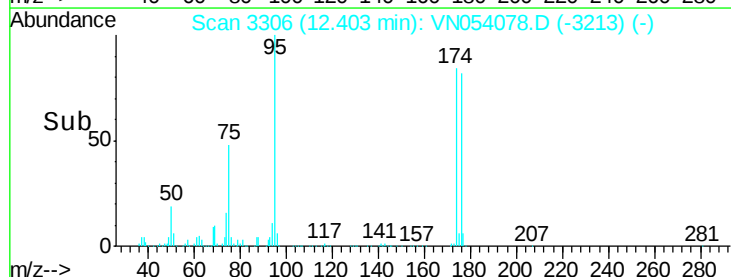
12.40

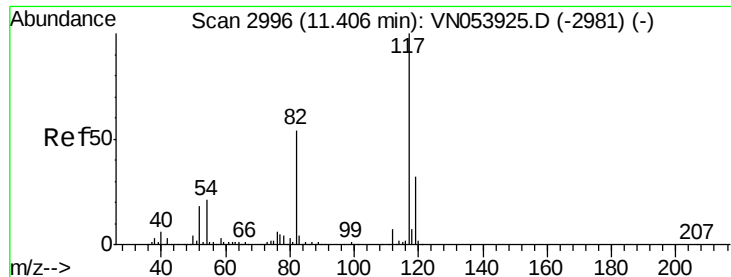
12.35

12.45

12.50

Time-->

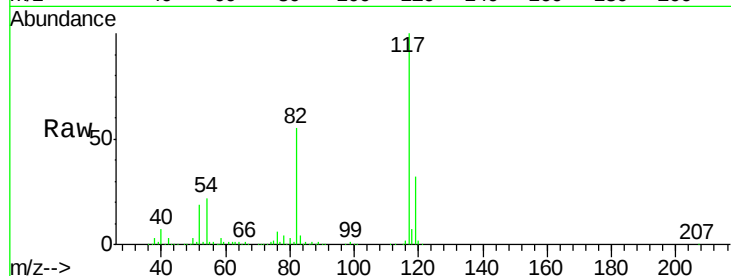




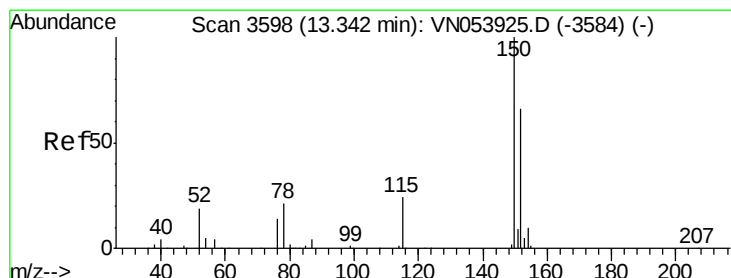
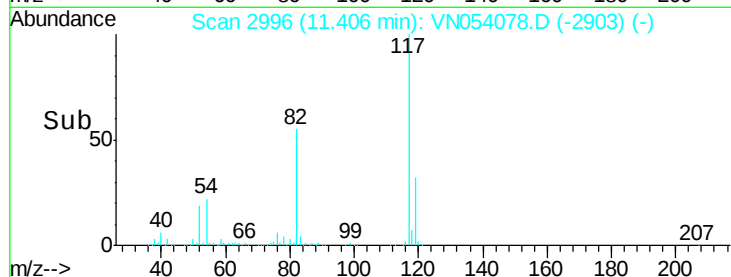
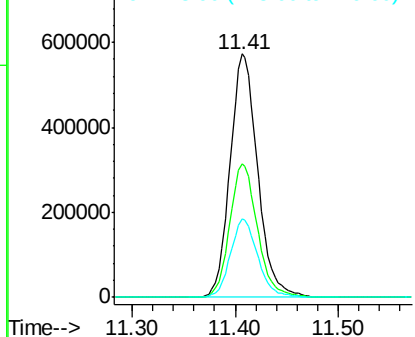
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054078.D
Acq: 4 Mar 2019 20:55

Tot Ion:117 Resp: 1068992

Ion	Ratio	Lower	Upper
117	100		
82	54.7	41.4	62.2
119	32.0	25.3	37.9



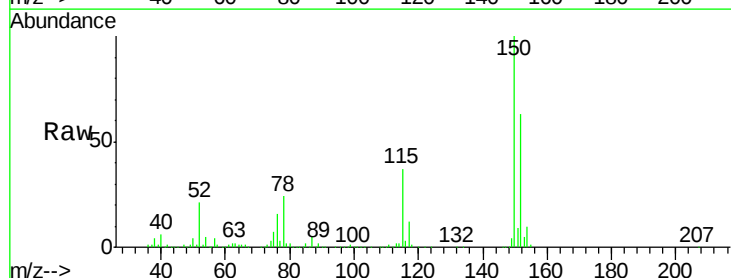
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



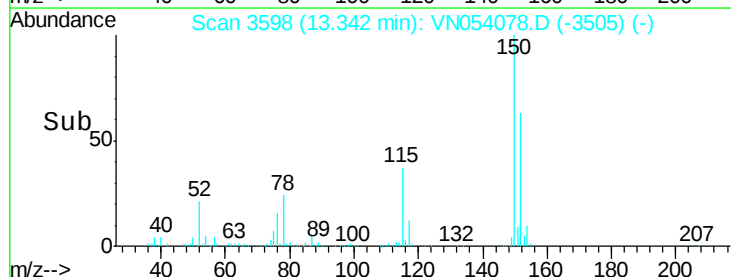
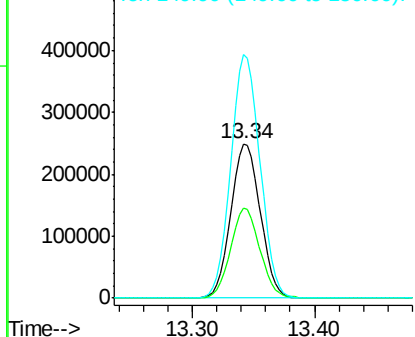
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054078.D
Acq: 4 Mar 2019 20:55

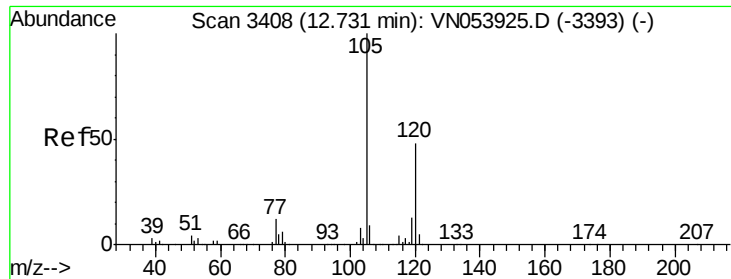
Tgt Ion:152 Resp: 418221

Ion	Ratio	Lower	Upper
152	100		
115	57.9	27.2	81.6
150	156.4	0.0	348.2



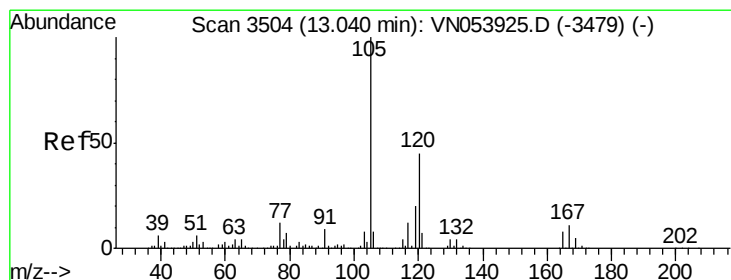
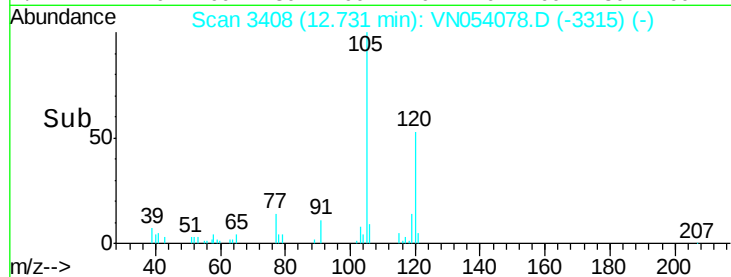
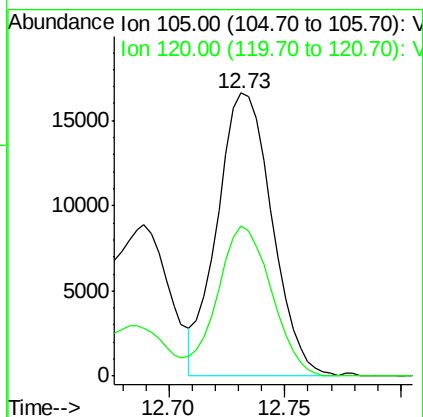
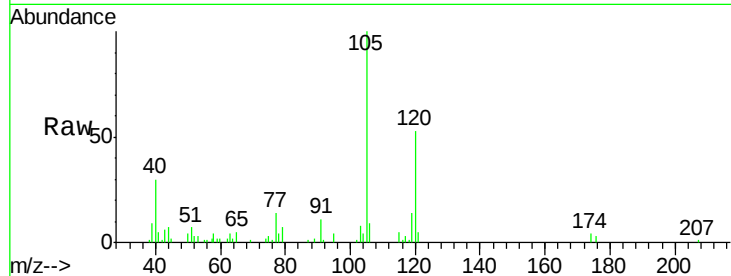
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





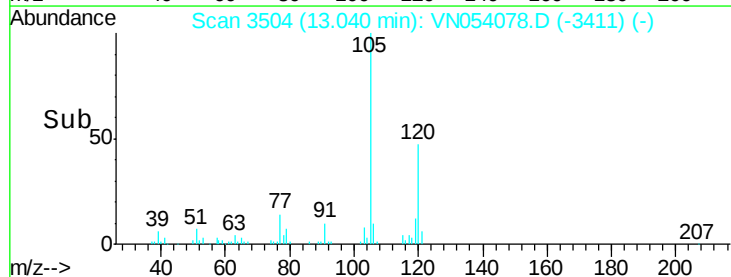
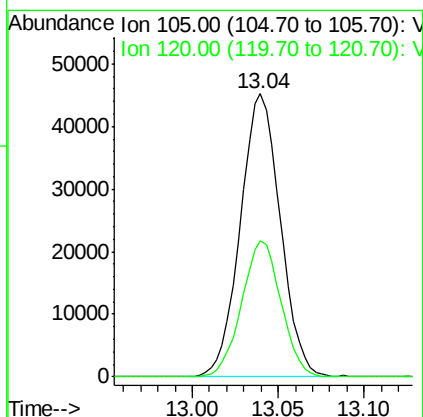
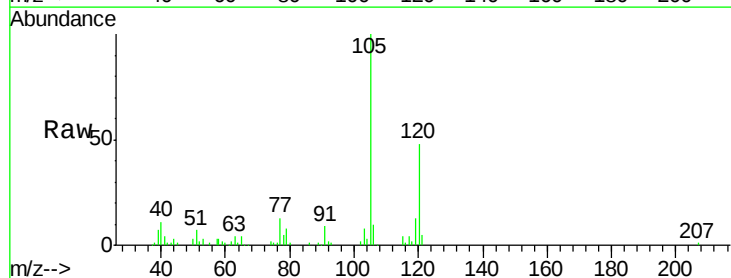
#80
 1,3,5-Trimethylbenzene
 Concen: 1.025 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN054078.D
 Acq: 4 Mar 2019 20:55

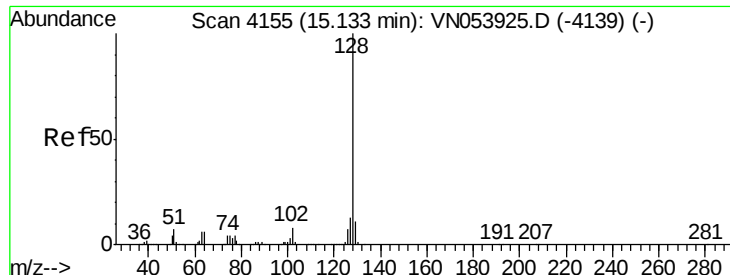
Tot Ion:105 Resp: 27317
 Ion Ratio Lower Upper
 105 100
 120 52.4 25.1 75.2



#84
 1,2,4-Trimethylbenzene
 Concen: 2.736 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054078.D
 Acq: 4 Mar 2019 20:55

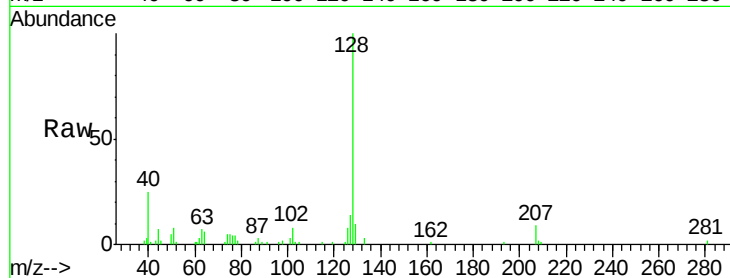
Tgt Ion:105 Resp: 72810
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.2 69.5





#95
Naphthalene
Concen: 5.074 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054078.D
Acq: 4 Mar 2019 20:55

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.2
129	10.6	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

