

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031219\
 Data File : VN054183.D
 Acq On : 13 Mar 2019 00:50
 Operator : JC/SP
 Sample : K1849-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PUMP-PC

Quant Time: Mar 13 08:27:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1460514	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2395185	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2521457	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	1219891	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	788285	50.82	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.64%	
35) Dibromofluoromethane	7.59	113	736427	47.67	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.34%	
50) Toluene-d8	10.09	98	3002866	52.63	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.26%	
62) 4-Bromofluorobenzene	12.40	95	1198833	60.05	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	120.10%	

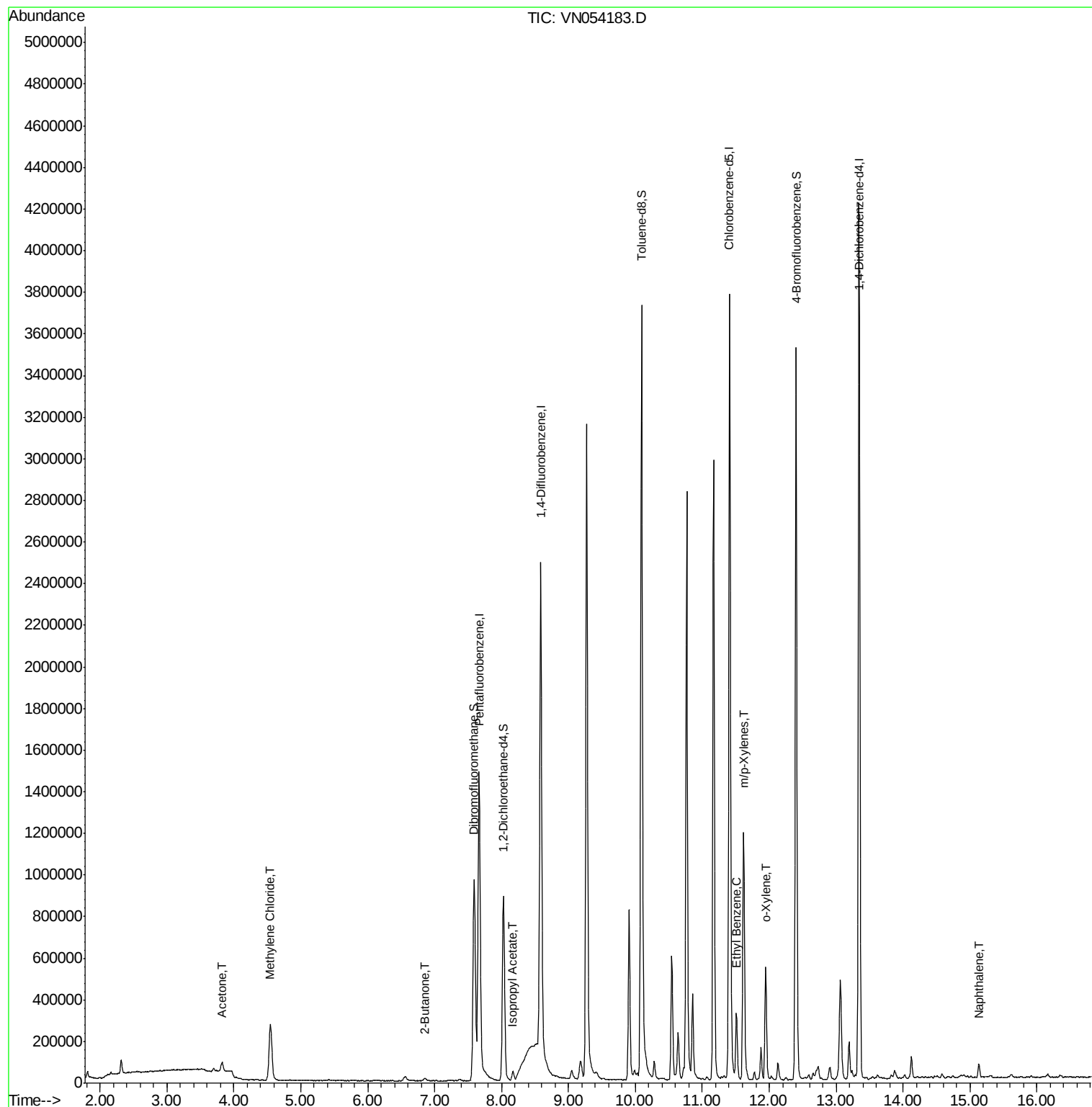
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	74722	16.825	ug/l	90
20) Methylene Chloride	4.55	84	215351	14.768	ug/l	96
25) 2-Butanone	6.86	43	19100	3.664	ug/l	97
43) Isopropyl Acetate	8.17	43	52873	2.377	ug/l	99
67) Ethyl Benzene	11.51	91	245574	2.676	ug/l	99
68) m/p-Xylenes	11.62	106	416993	11.625	ug/l	99
69) o-Xylene	11.95	106	154951	4.431	ug/l	98
95) Naphthalene	15.13	128	59717	4.508	ug/l	96

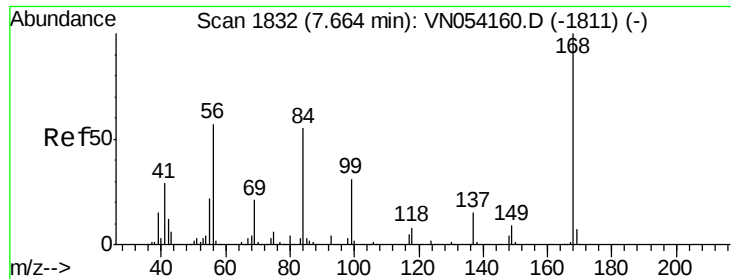
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054183.D

Acq: 13 Mar 2019 00:50

Instrument :

MSVOA_N

ClientSampleId :

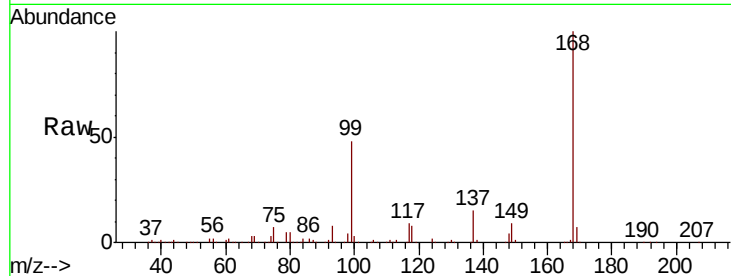
PUMP-PC

Tgt Ion:168 Resp: 1460514

Ion Ratio Lower Upper

168 100

99 48.0 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): VN054183.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN054183.D (-1739) (-)

7.67

600000

500000

400000

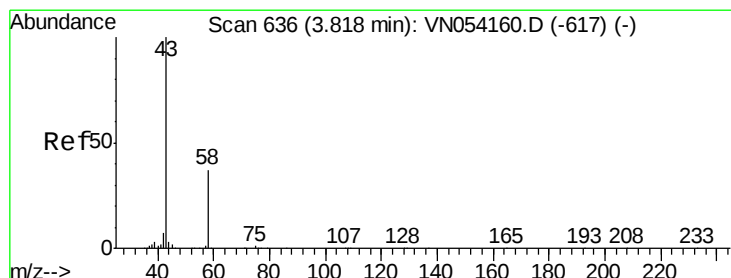
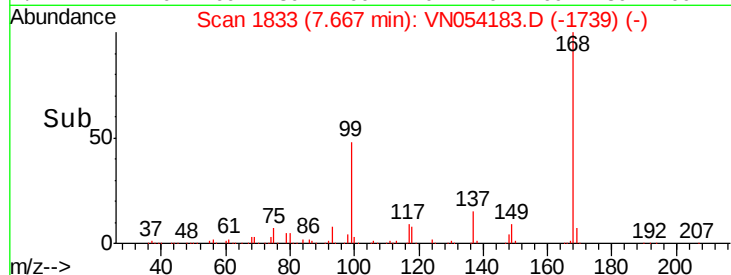
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#16

Acetone

Concen: 16.825 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN054183.D

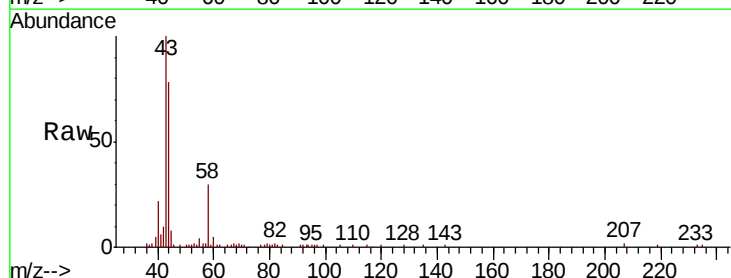
Acq: 13 Mar 2019 00:50

Tgt Ion: 43 Resp: 74722

Ion Ratio Lower Upper

43 100

58 31.4 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN054183.D (-543) (-)

Ion 58.00 (57.70 to 58.70): VN054183.D (-543) (-)

3.82

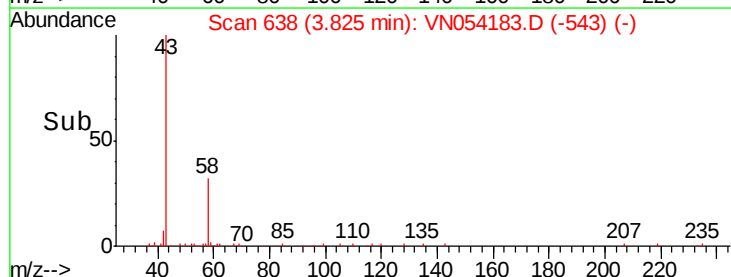
30000

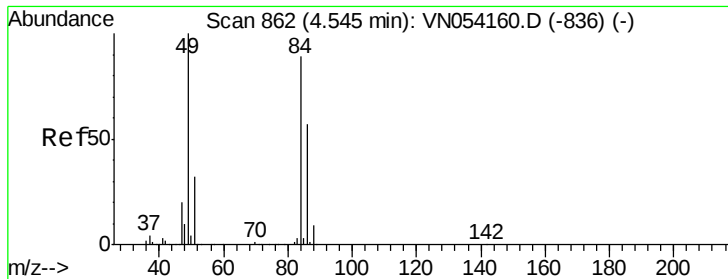
20000

10000

0

Time--> 3.70 3.80 3.90

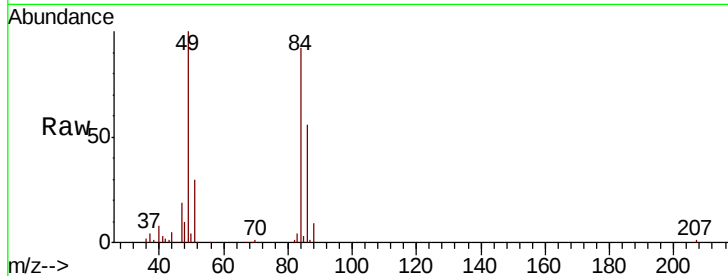




#20
Methylene Chloride
Concen: 14.768 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054183.D
Acq: 13 Mar 2019 00:50

Instrument :
MSVOA_N
ClientSampleId :
PUMP-PC

Tgt Ion:	84	Resp:	215351
Ion	Ratio	Lower	Upper
84	100		
49	108.3	89.7	134.5
51	32.4	28.2	42.4
86	61.2	50.8	76.2



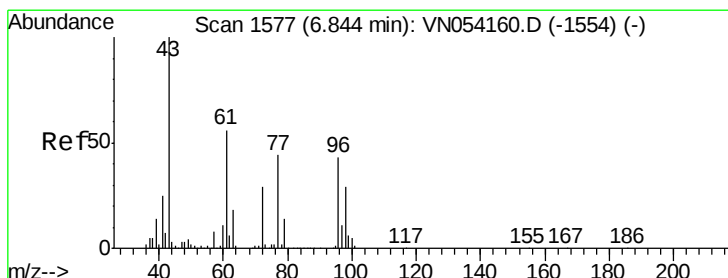
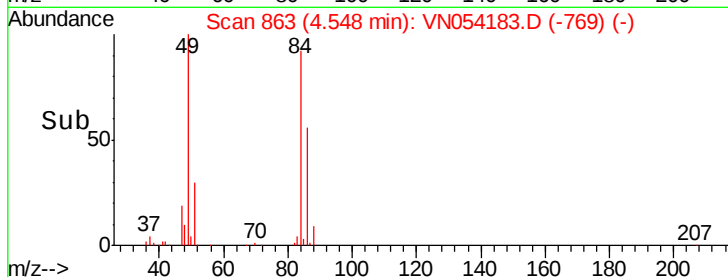
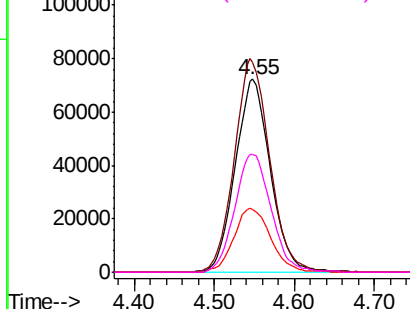
Abundance

Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

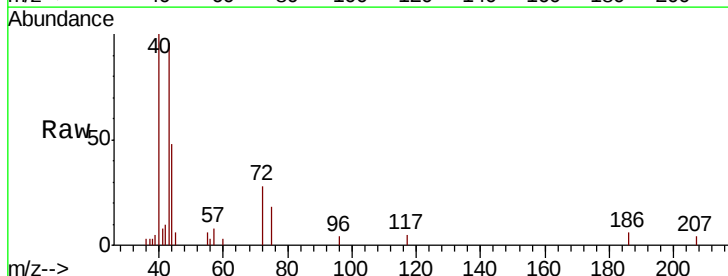
Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#25
2-Butanone
Concen: 3.664 ug/l
RT: 6.86 min Scan# 1581
Delta R.T. 0.01 min
Lab File: VN054183.D
Acq: 13 Mar 2019 00:50

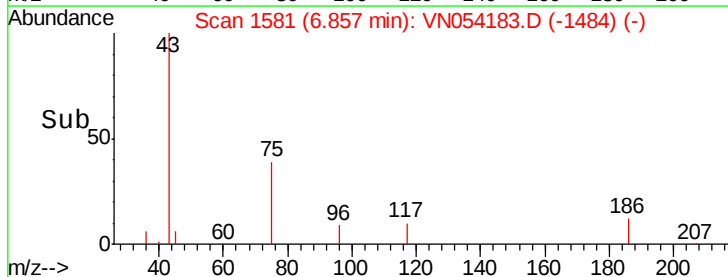
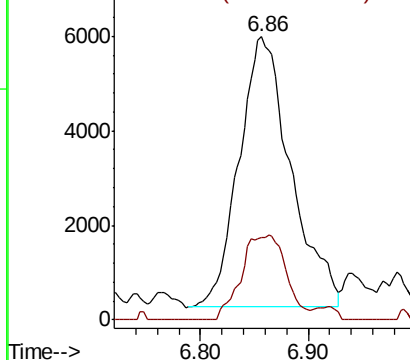
Tgt Ion:	43	Resp:	19100
Ion	Ratio	Lower	Upper
43	100		
72	30.3	23.0	34.6

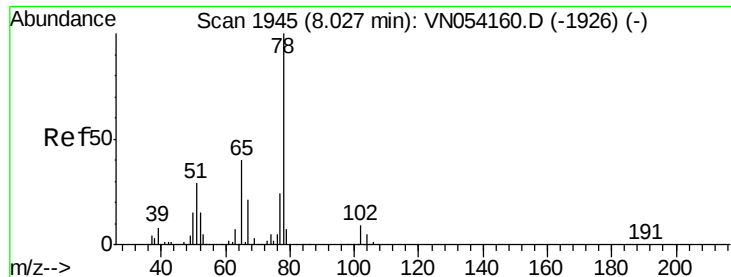


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 50.822 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054183.D

Acq: 13 Mar 2019 00:50

Instrument :

MSVOA_N

ClientSampleId :

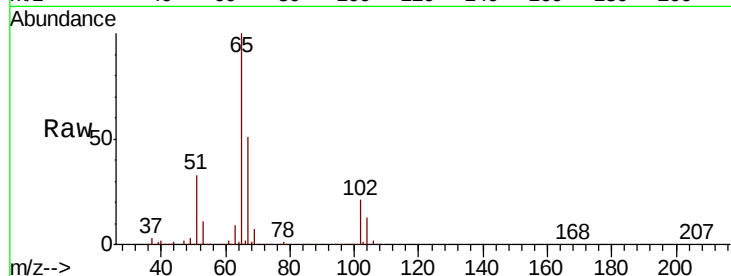
PUMP-PC

Tgt Ion: 65 Resp: 788285

Ion Ratio Lower Upper

65 100

67 51.3 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

300000

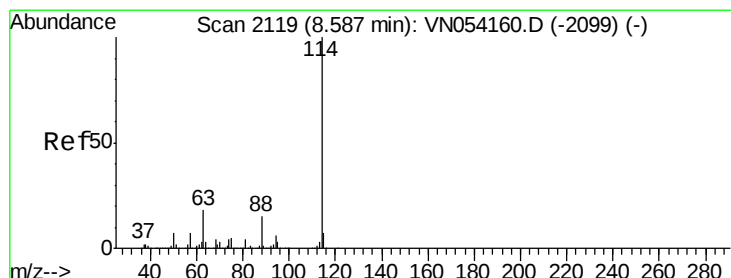
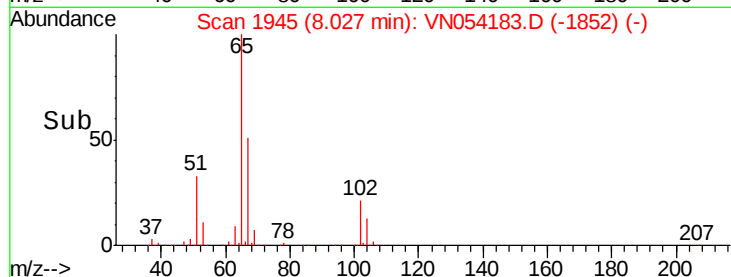
200000

100000

0

7.90 8.00 8.10 8.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054183.D

Acq: 13 Mar 2019 00:50

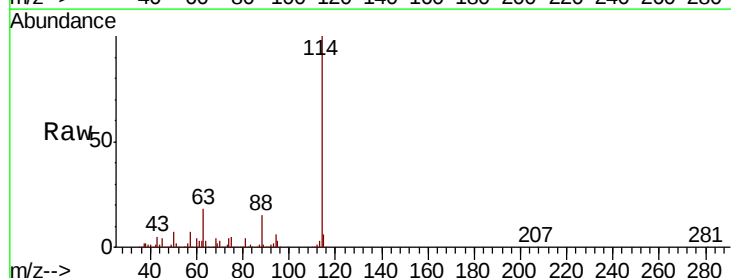
Tgt Ion: 114 Resp: 2395185

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.2

88 14.7 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

1500000

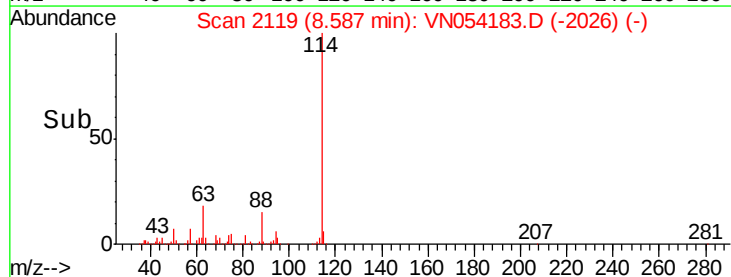
1000000

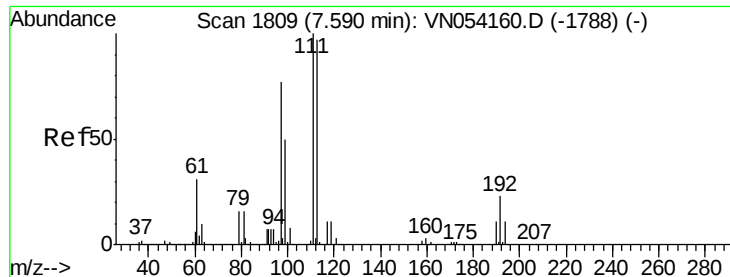
500000

0

8.40 8.50 8.60 8.70 8.80

Time-->

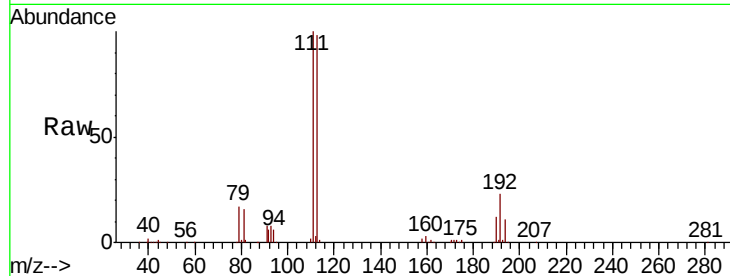




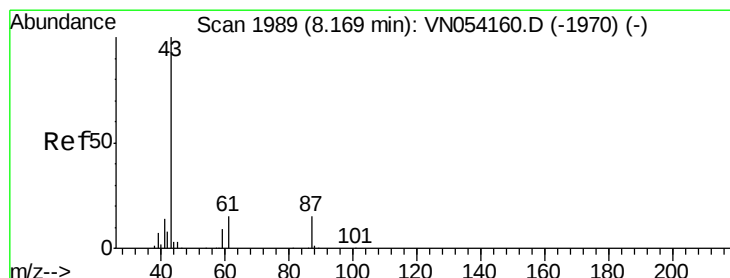
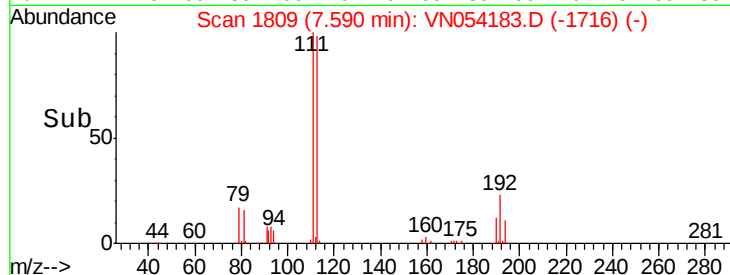
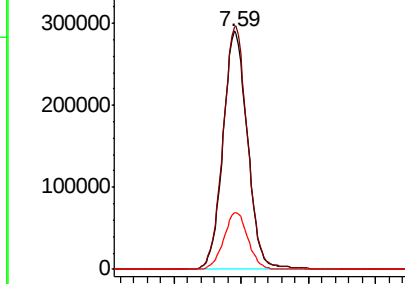
#35
 Dibromofluoromethane
 Concen: 47.671 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054183.D
 Acq: 13 Mar 2019 00:50

Instrument :
 MSVOA_N
 ClientSampleId :
 PUMP-PC

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.2	123.4
192	23.6	19.2	28.8

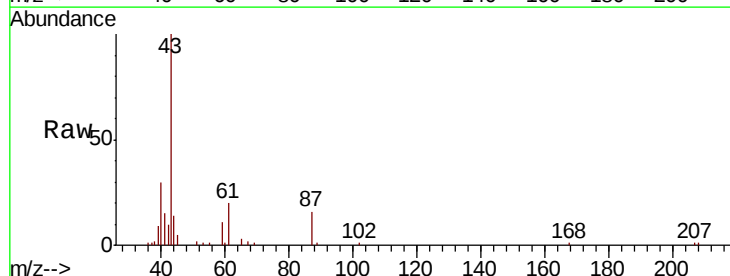


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

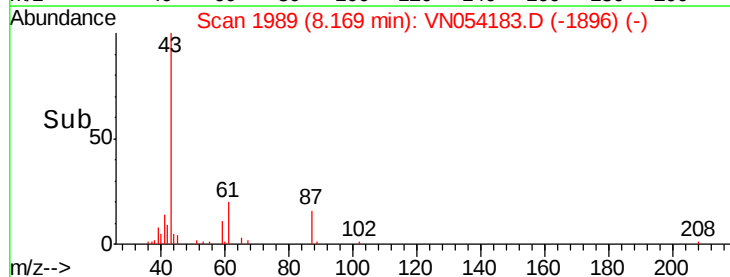
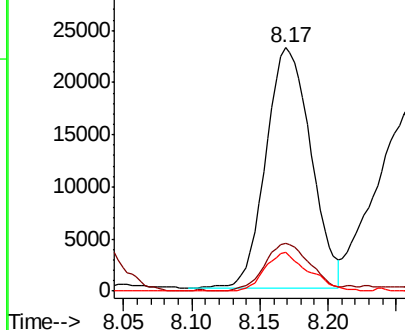


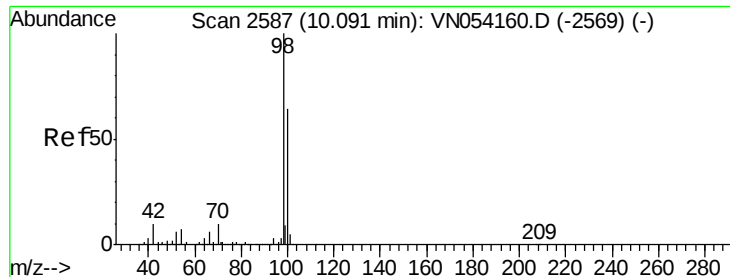
#43
 Isopropyl Acetate
 Concen: 2.377 ug/l
 RT: 8.17 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN054183.D
 Acq: 13 Mar 2019 00:50

Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.2	15.8	23.8
87	15.6	12.0	18.0



Abundance Ion 43.00 (42.70 to 43.70): VNO
 Ion 61.00 (60.70 to 61.70): VNO
 Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: 52.634 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054183.D

Acq: 13 Mar 2019 00:50

Instrument :

MSVOA_N

ClientSampleId :

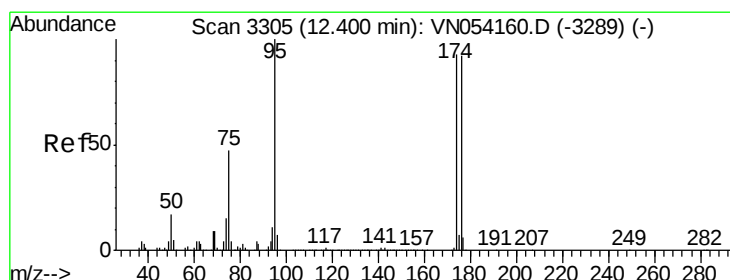
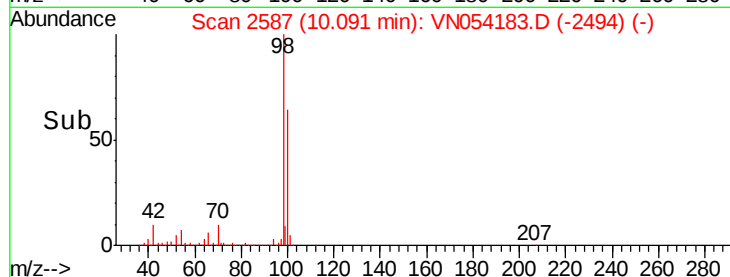
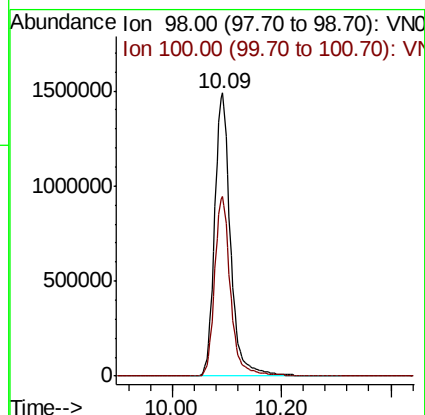
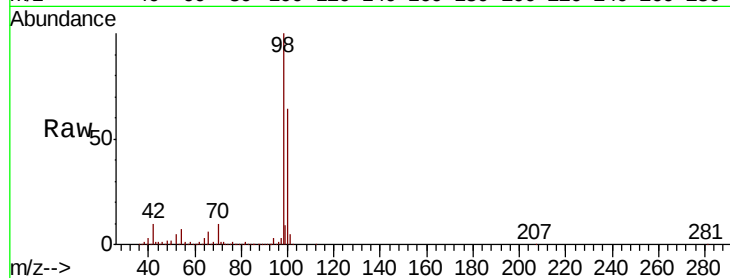
PUMP-PC

Tgt Ion: 98 Resp: 3002866

Ion Ratio Lower Upper

98 100

100 63.6 51.2 76.8



#62

4-Bromofluorobenzene

Concen: 60.055 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054183.D

Acq: 13 Mar 2019 00:50

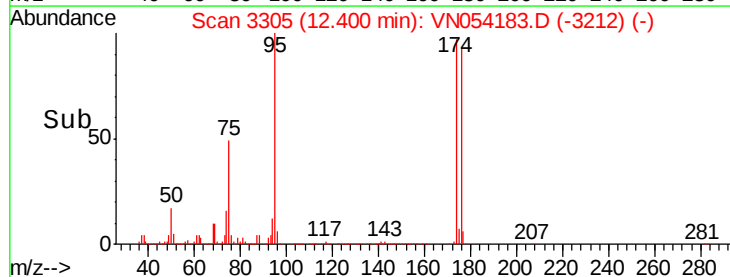
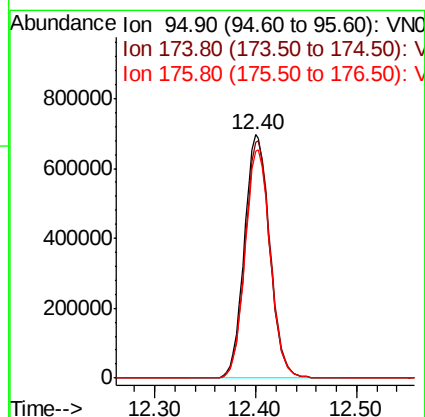
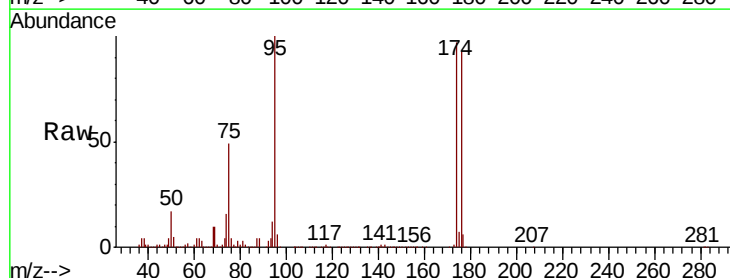
Tgt Ion: 95 Resp: 1198833

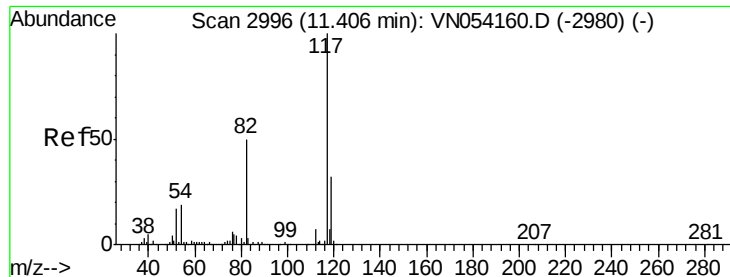
Ion Ratio Lower Upper

95 100

174 97.4 0.0 191.0

176 93.5 0.0 187.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054183.D

Acq: 13 Mar 2019 00:50

Instrument :

MSVOA_N

ClientSampleId :

PUMP-PC

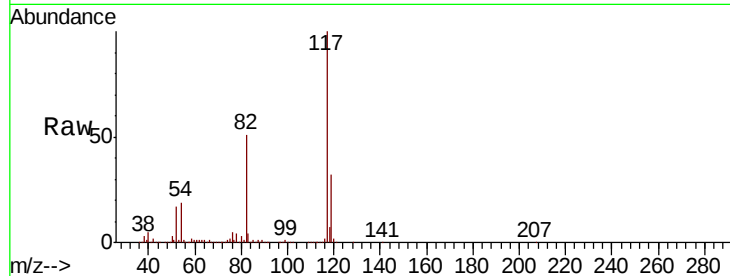
Tgt Ion:117 Resp: 2521457

Ion Ratio Lower Upper

117 100

82 51.3 40.0 60.0

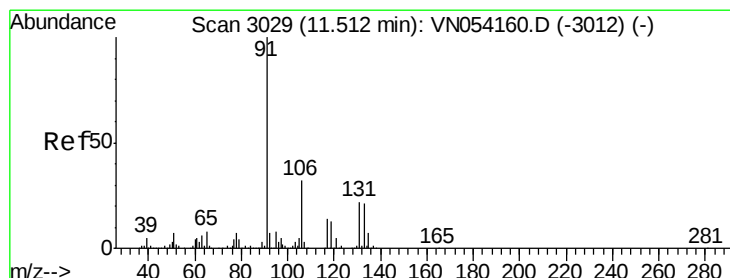
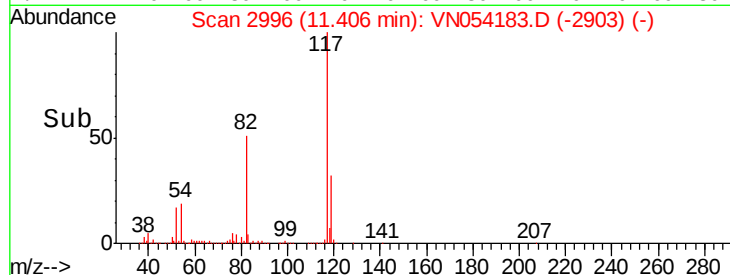
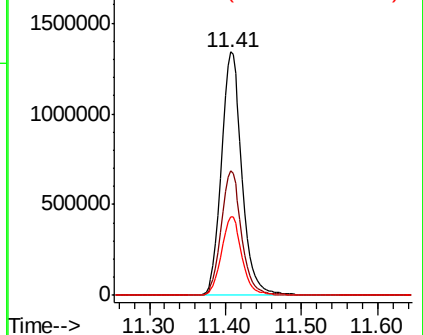
119 32.4 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 2.676 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054183.D

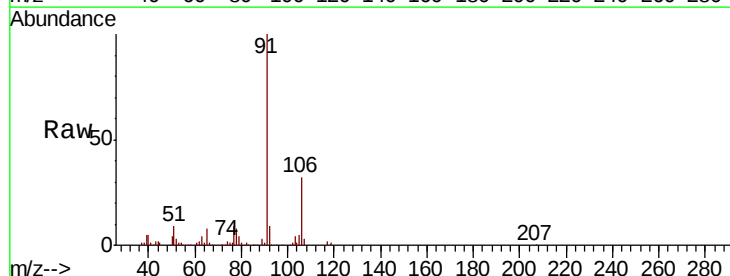
Acq: 13 Mar 2019 00:50

Tgt Ion: 91 Resp: 245574

Ion Ratio Lower Upper

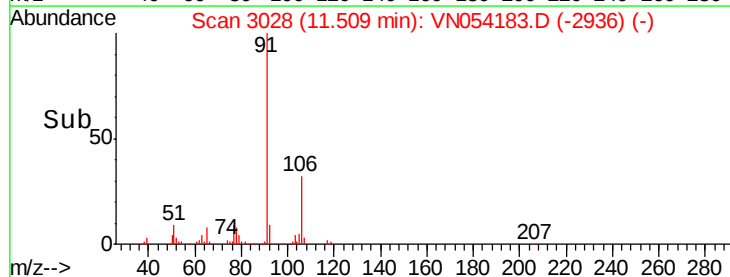
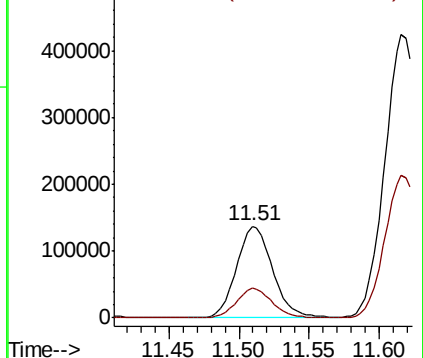
91 100

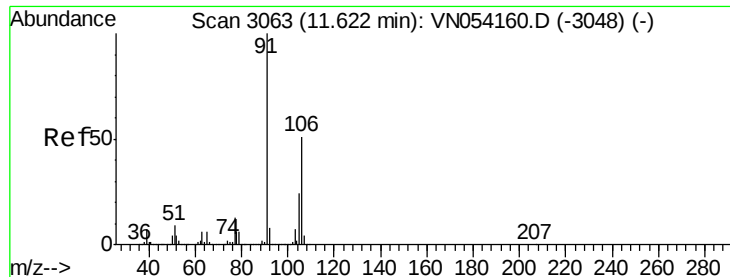
106 32.3 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

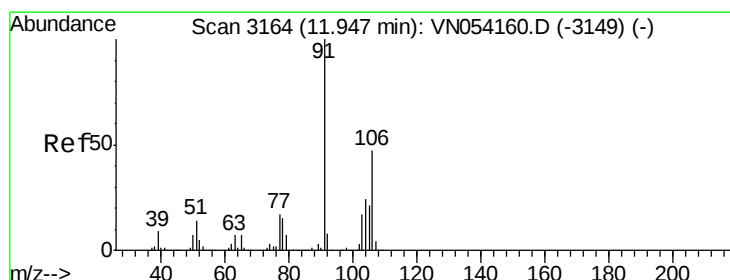
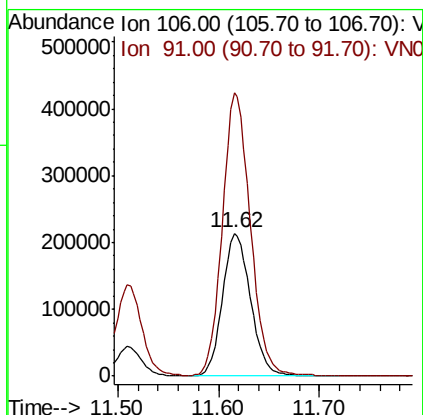
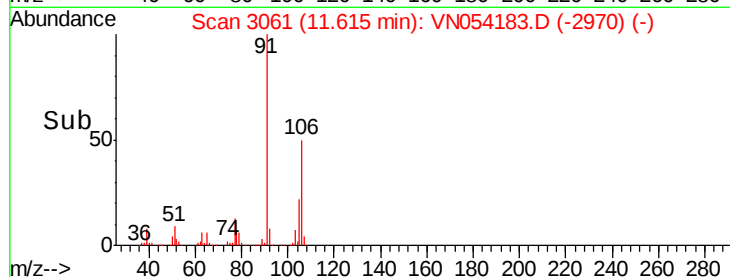
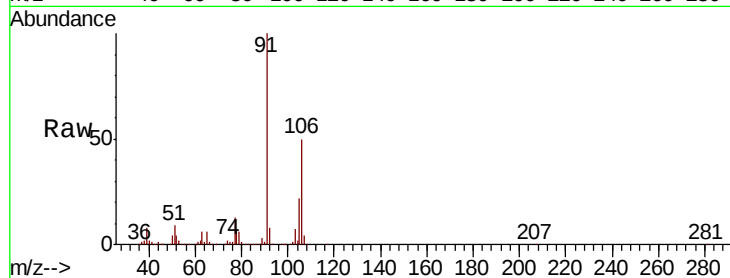




#68
m/p-Xylenes
Concen: 11.625 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.01 min
Lab File: VN054183.D
Acq: 13 Mar 2019 00:50

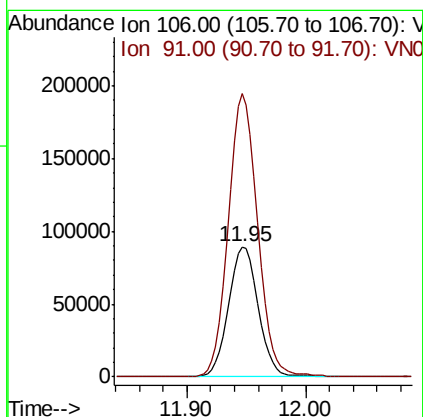
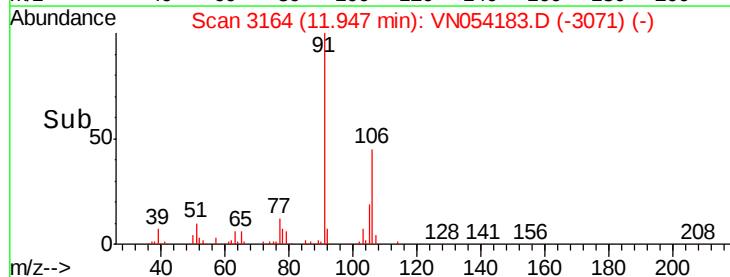
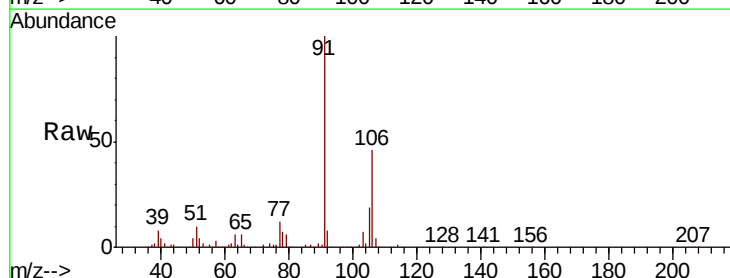
Instrument :
MSVOA_N
ClientSampleId :
PUMP-PC

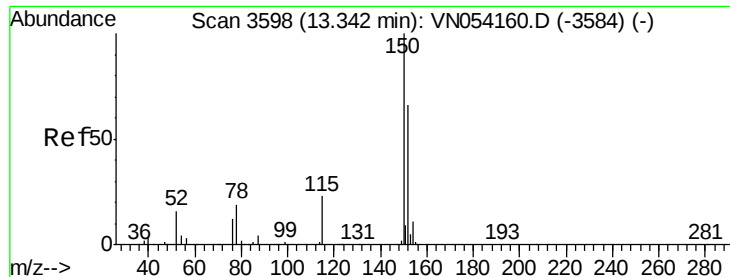
Tgt Ion:106 Resp: 416993
Ion Ratio Lower Upper
106 100
91 197.5 159.4 239.2



#69
o-Xylene
Concen: 4.431 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054183.D
Acq: 13 Mar 2019 00:50

Tgt Ion:106 Resp: 154951
Ion Ratio Lower Upper
106 100
91 214.5 105.7 317.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054183.D

Acq: 13 Mar 2019 00:50

Instrument :

MSVOA_N

ClientSampled :

PUMP-PC

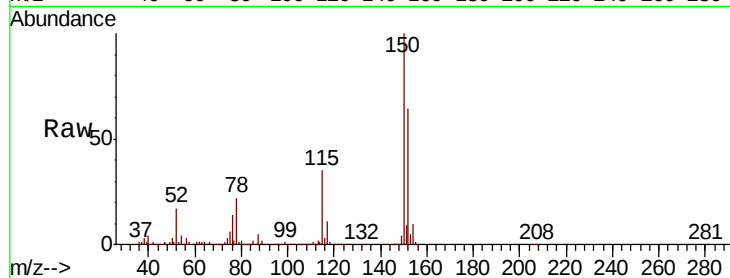
Tgt Ion:152 Resp: 1219891

Ion Ratio Lower Upper

152 100

115 54.9 27.2 81.6

150 157.2 0.0 349.2

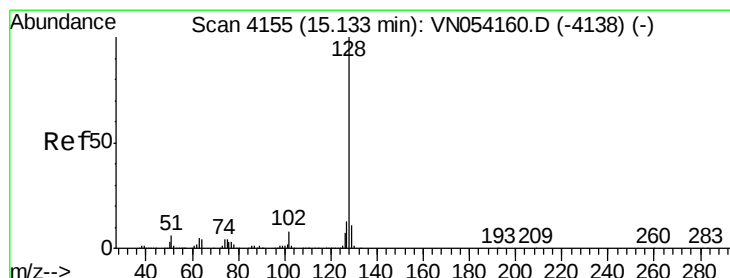
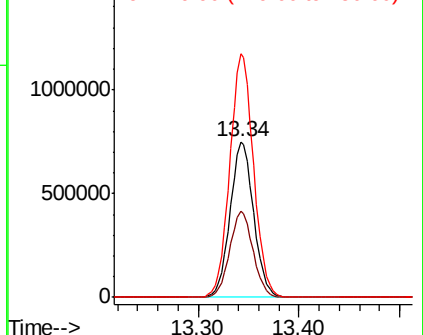
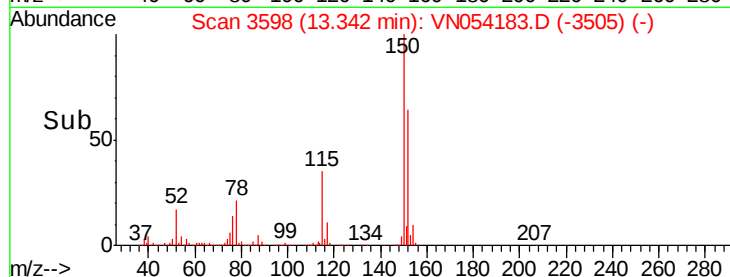


Abundance

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: 4.508 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054183.D

Acq: 13 Mar 2019 00:50

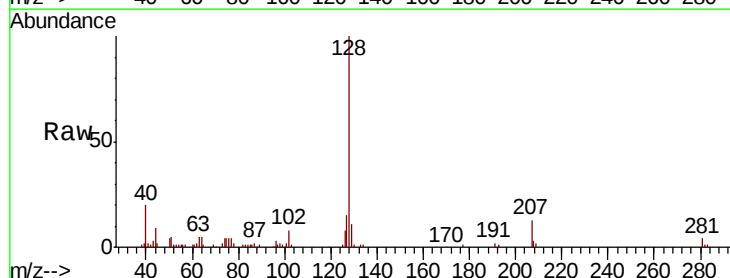
Tgt Ion:128 Resp: 59717

Ion Ratio Lower Upper

128 100

127 14.3 10.1 15.1

129 12.4 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

