

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031219\
 Data File : VN054195.D
 Acq On : 13 Mar 2019 6:07
 Operator : JC/SP
 Sample : K1687-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 HR-06-031119-B

Quant Time: Mar 13 08:59:35 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	1459727	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2408354	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2570119	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1211505	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	797829	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	
35) Dibromofluoromethane	7.59	113	740267	47.66	ug/l	0.00
Spiked Amount			Recovery	=	95.32%	
50) Toluene-d8	10.09	98	3008772	52.45	ug/l	0.00
Spiked Amount			Recovery	=	104.90%	
62) 4-Bromofluorobenzene	12.40	95	1195425	59.56	ug/l	0.00
Spiked Amount			Recovery	=	119.12%	

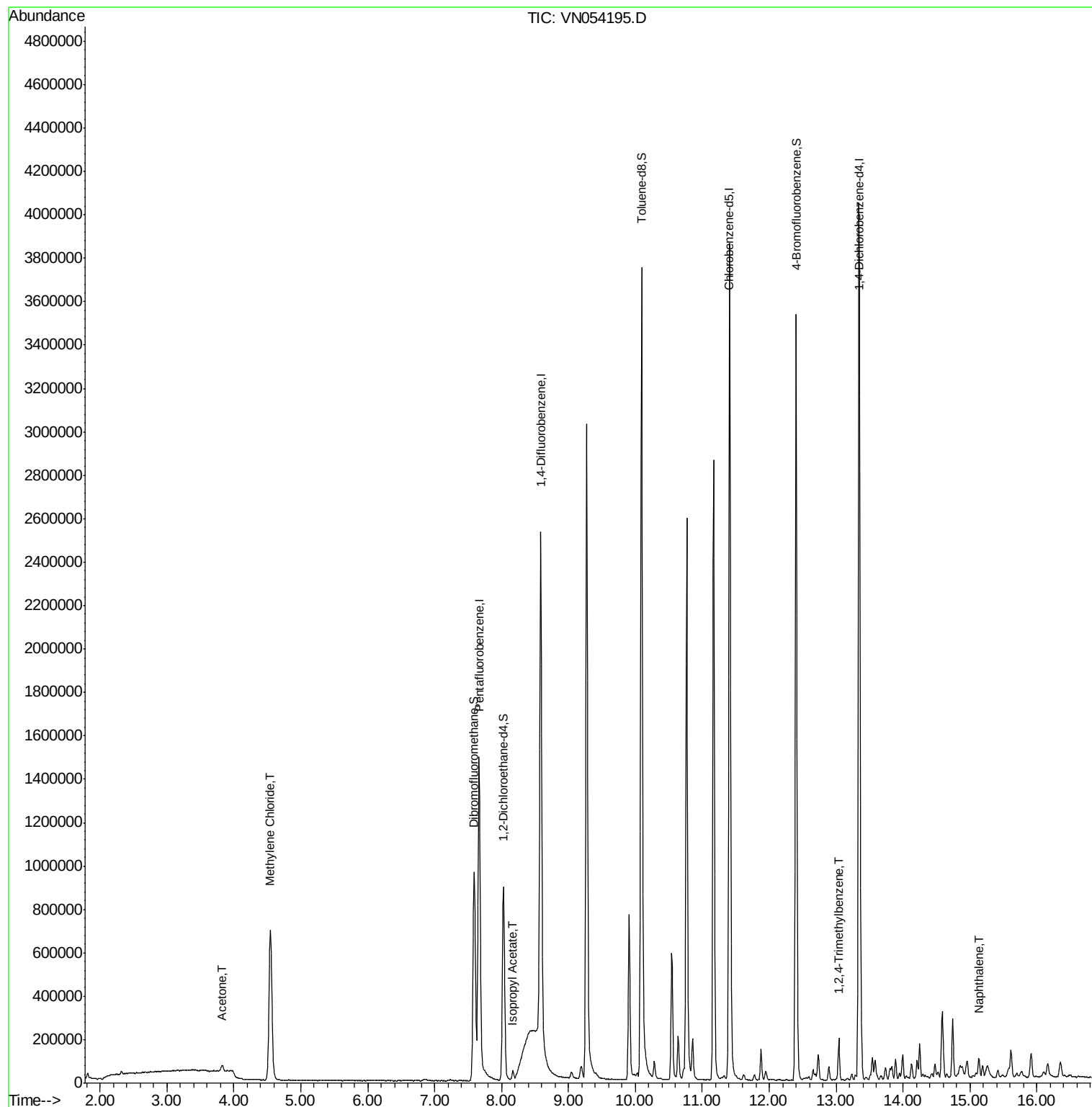
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	45135	10.169	ug/l	97
20) Methylene Chloride	4.55	84	556613	38.191	ug/l	97
43) Isopropyl Acetate	8.17	43	49827	2.228	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	113310	1.433	ug/l	98
95) Naphthalene	15.13	128	82399	4.913	ug/l	97

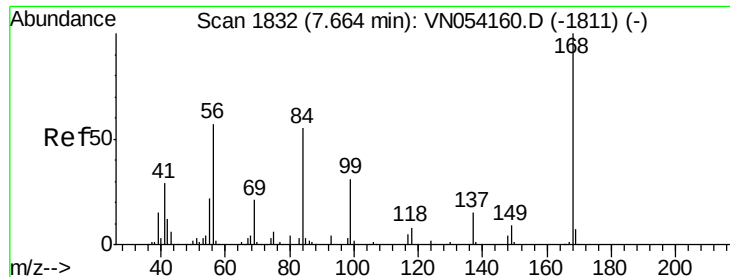
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN054195.D

Acq: 13 Mar 2019 6:07

Instrument :

MSVOA_N

ClientSampleId :

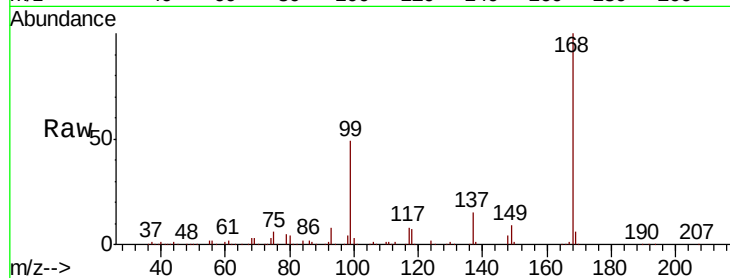
HR-06-031119-B

Tgt Ion:168 Resp: 1459727

Ion Ratio Lower Upper

168 100

99 48.8 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

600000

500000

400000

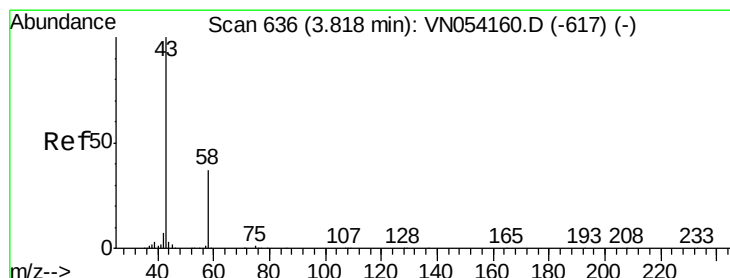
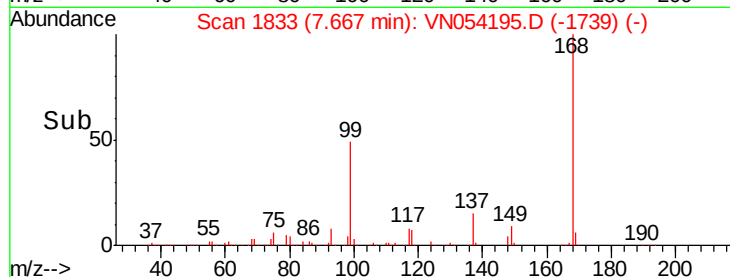
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#16

Acetone

Concen: 10.169 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054195.D

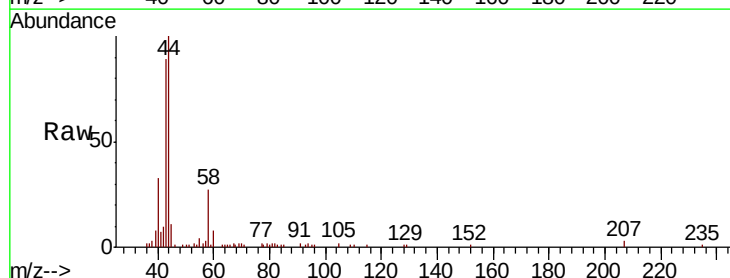
Acq: 13 Mar 2019 6:07

Tgt Ion: 43 Resp: 45135

Ion Ratio Lower Upper

43 100

58 35.9 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.82

20000

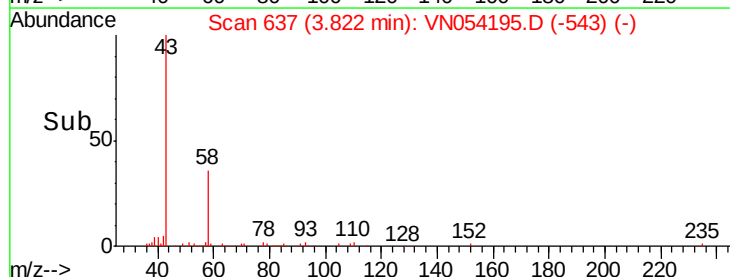
15000

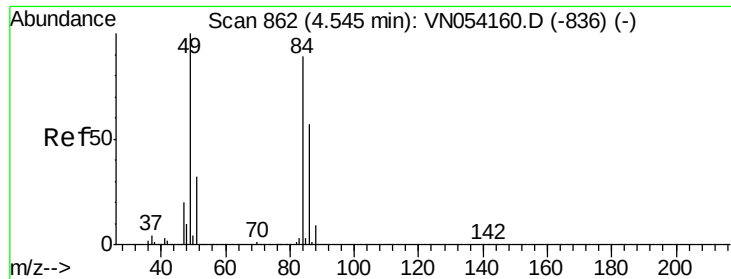
10000

5000

0

Time--> 3.75 3.80 3.85 3.90

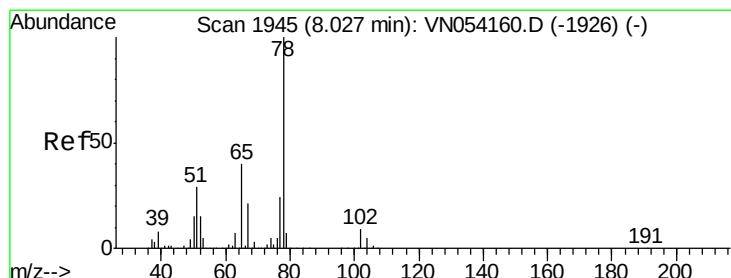
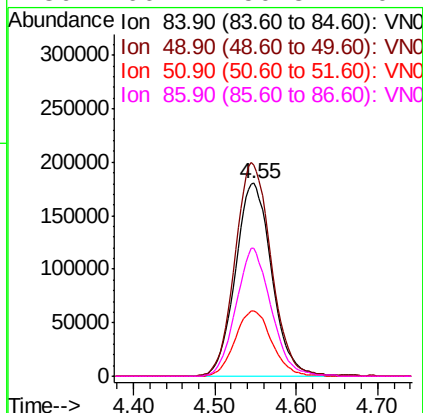
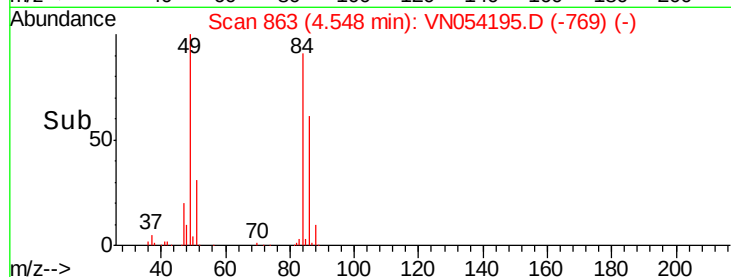
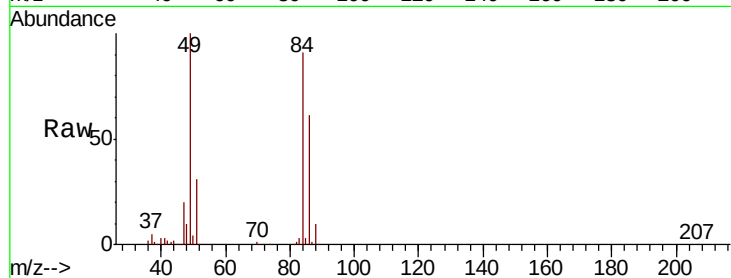




#20
Methylene Chloride
Concen: 38.191 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054195.D
Acq: 13 Mar 2019 6:07

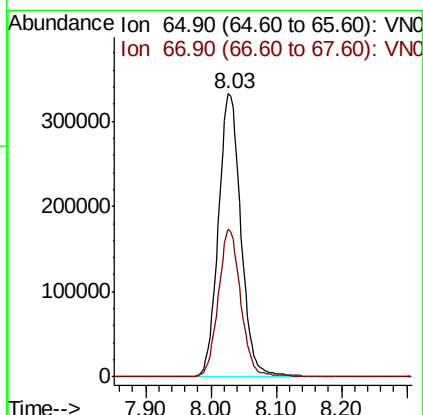
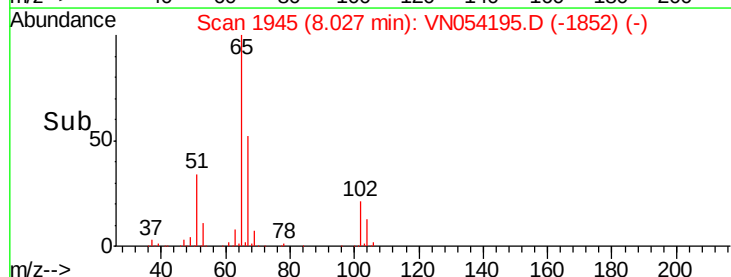
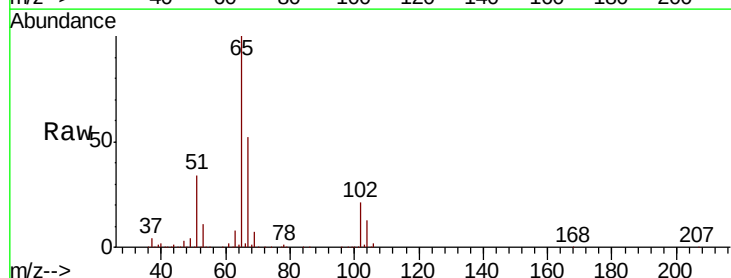
Instrument :
MSVOA_N
ClientSampleId :
HR-06-031119-B

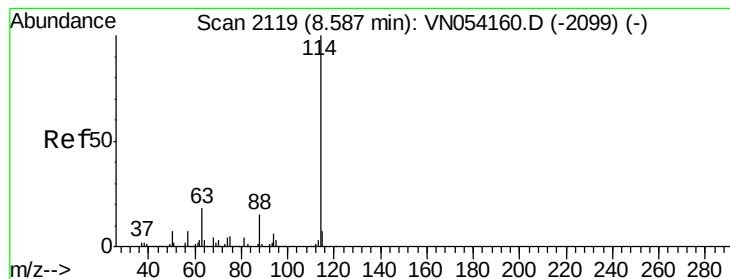
Tgt Ion:	84	Resp:	556613
Ion	Ratio	Lower	Upper
84	100		
49	109.6	89.7	134.5
51	33.9	28.2	42.4
86	66.4	50.8	76.2



#33
1,2-Dichloroethane-d4
Concen: 51.465 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN054195.D
Acq: 13 Mar 2019 6:07

Tgt Ion:	65	Resp:	797829
Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054195.D

Acq: 13 Mar 2019 6:07

Instrument :

MSVOA_N

ClientSampleId :

HR-06-031119-B

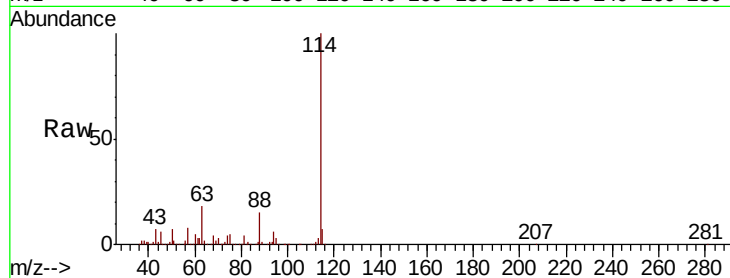
Tgt Ion:114 Resp: 2408354

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.2

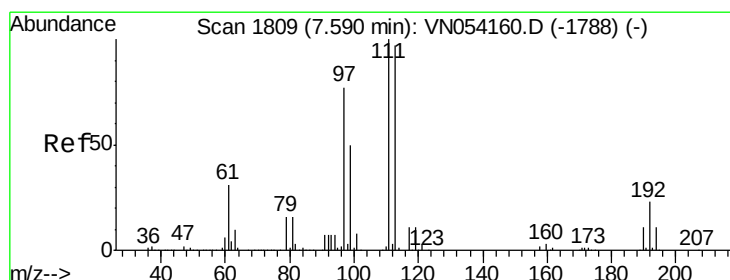
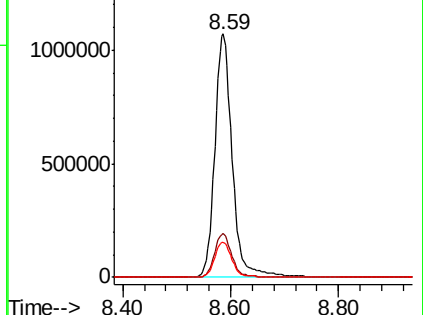
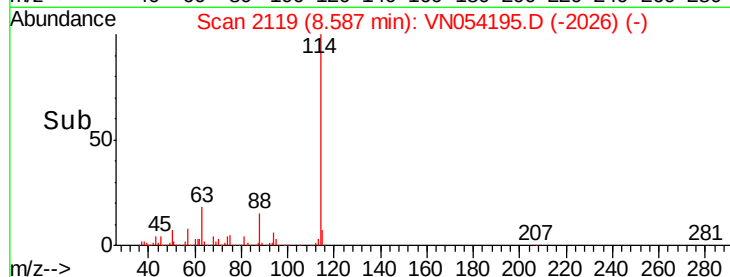
88 14.6 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 47.658 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054195.D

Acq: 13 Mar 2019 6:07

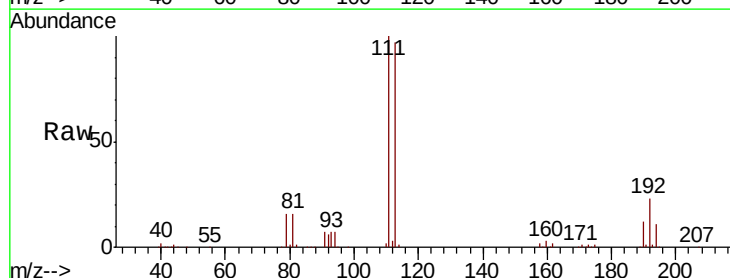
Tgt Ion:113 Resp: 740267

Ion Ratio Lower Upper

113 100

111 102.7 82.2 123.4

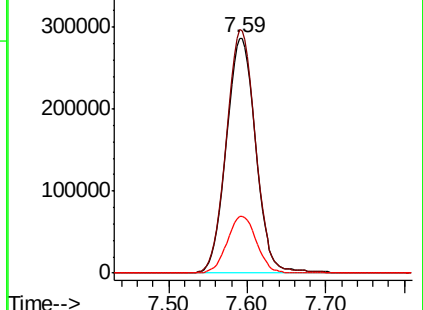
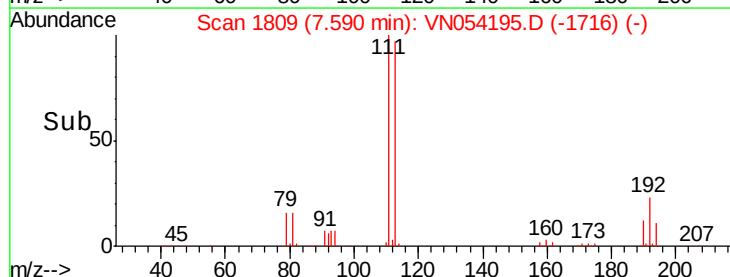
192 24.3 19.2 28.8

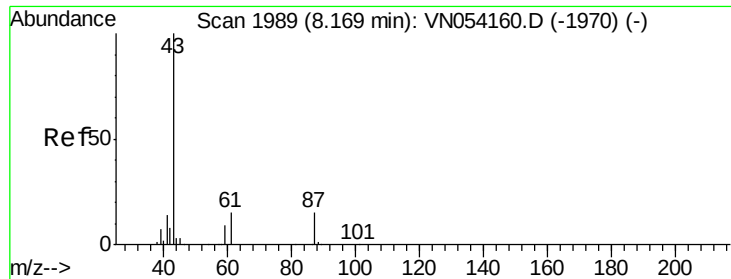


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

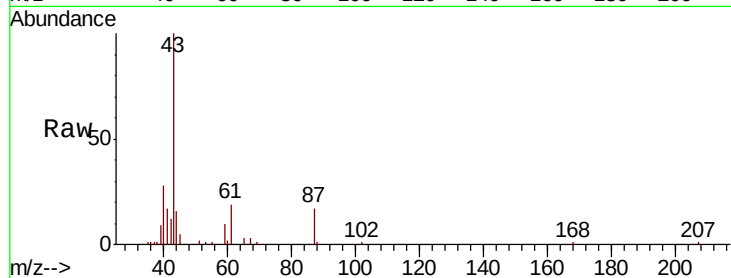




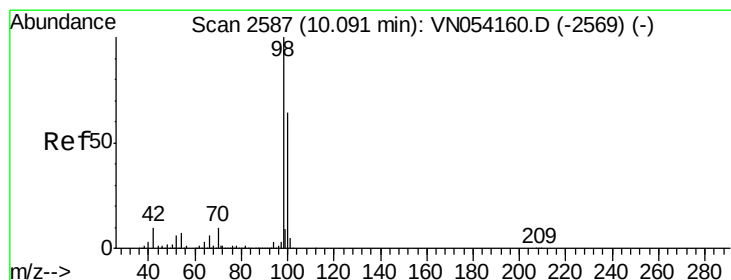
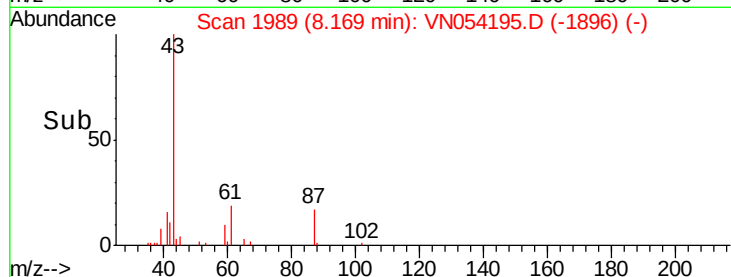
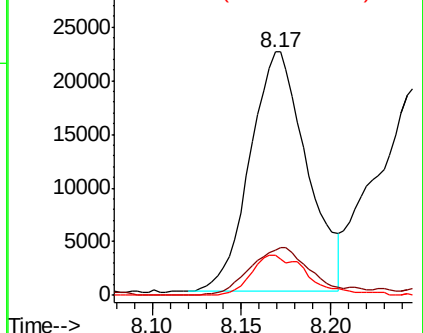
#43
Isopropyl Acetate
Concen: 2.228 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN054195.D
Acq: 13 Mar 2019 6:07

Instrument :
MSVOA_N
ClientSampleId :
HR-06-031119-B

Tgt Ion: 43 Resp: 49827
Ion Ratio Lower Upper
43 100
61 20.7 15.8 23.8
87 16.7 12.0 18.0

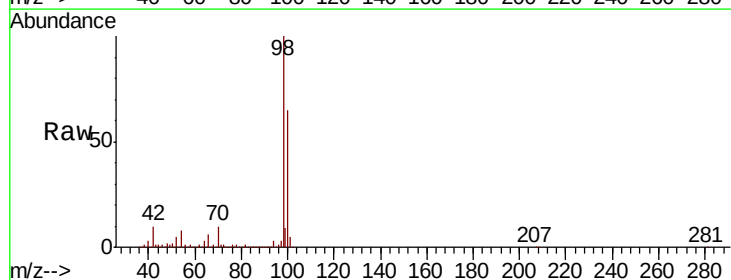


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

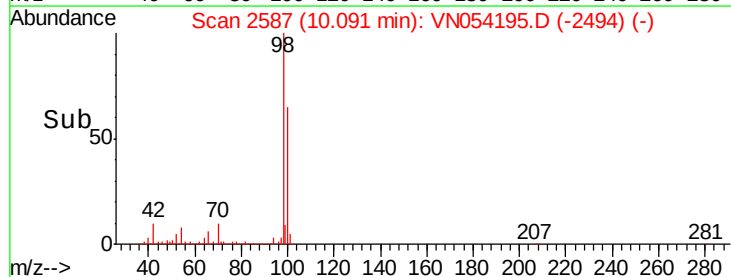
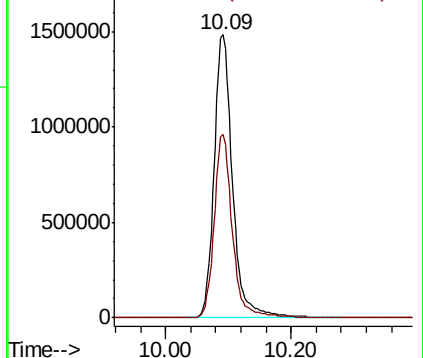


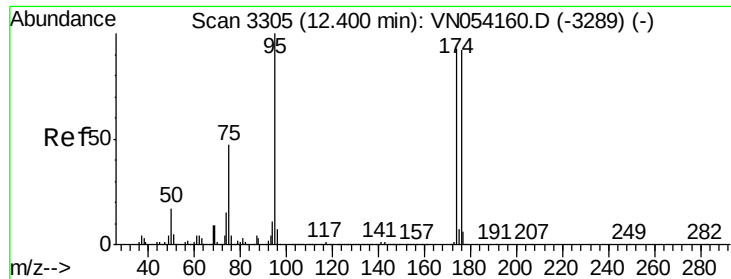
#50
Toluene-d8
Concen: 52.449 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054195.D
Acq: 13 Mar 2019 6:07

Tgt Ion: 98 Resp: 3008772
Ion Ratio Lower Upper
98 100
100 64.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 59.556 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054195.D

Acq: 13 Mar 2019 6:07

Instrument :

MSVOA_N

ClientSampleId :

HR-06-031119-B

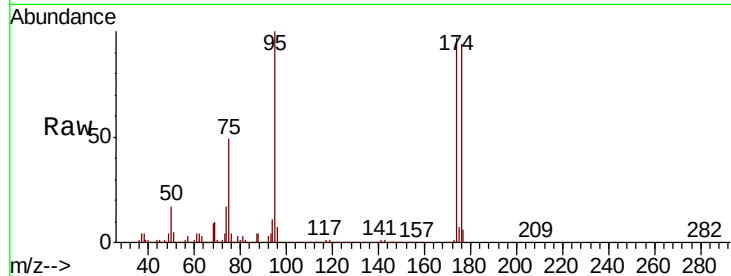
Tgt Ion: 95 Resp: 1195425

Ion Ratio Lower Upper

95 100

174 98.1 0.0 191.0

176 94.8 0.0 187.4

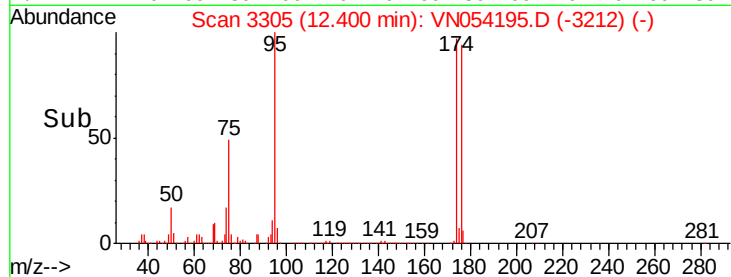


Abundance Ion 94.90 (94.60 to 95.60): VN054160.D (-3289) (-)

Ion 173.80 (173.50 to 174.50): VN054160.D (-3289) (-)

Ion 175.80 (175.50 to 176.50): VN054160.D (-3289) (-)

12.40



Abundance Ion 94.90 (94.60 to 95.60): VN054195.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN054195.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN054195.D (-3212) (-)

12.40

800000

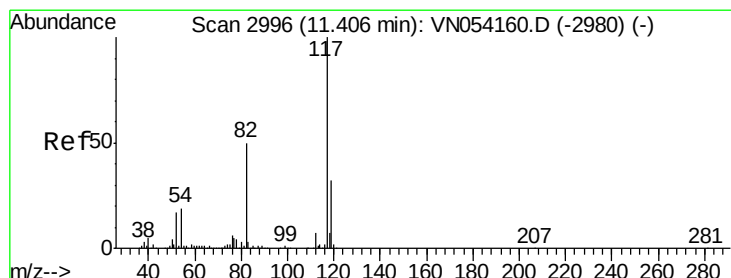
600000

400000

200000

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: VN054195.D

Acq: 13 Mar 2019 6:07

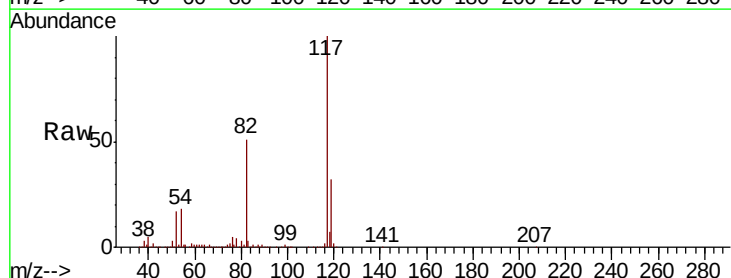
Tgt Ion: 117 Resp: 2570119

Ion Ratio Lower Upper

117 100

82 51.2 40.0 60.0

119 32.3 25.8 38.6

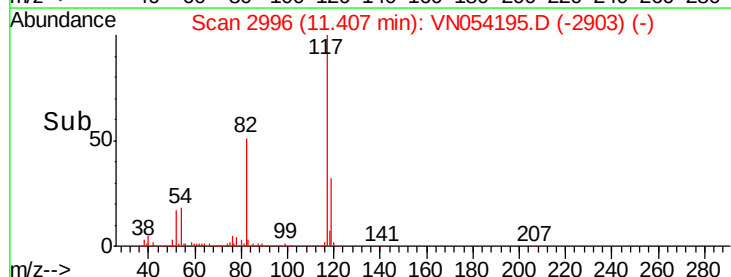


Abundance Ion 116.90 (116.60 to 117.60): VN054160.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN054160.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN054160.D (-2980) (-)

11.41



Abundance Ion 116.90 (116.60 to 117.60): VN054195.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN054195.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN054195.D (-2903) (-)

11.41

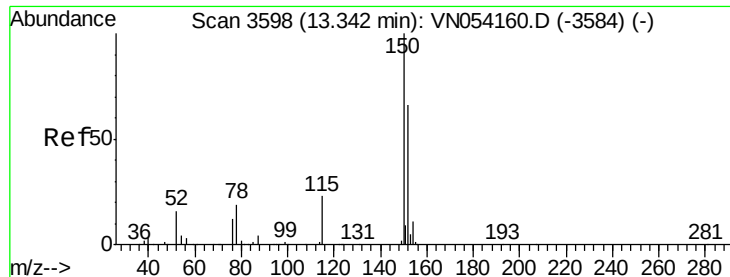
1500000

1000000

500000

0

Time--> 11.40 11.60



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054195.D

Acq: 13 Mar 2019 6:07

Instrument :

MSVOA_N

ClientSampleId :

HR-06-031119-B

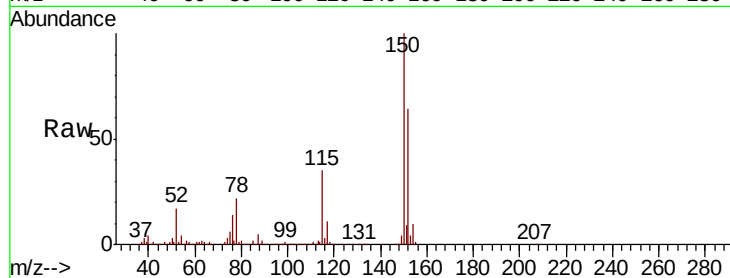
Tgt Ion:152 Resp: 1211505

Ion Ratio Lower Upper

152 100

115 55.5 27.2 81.6

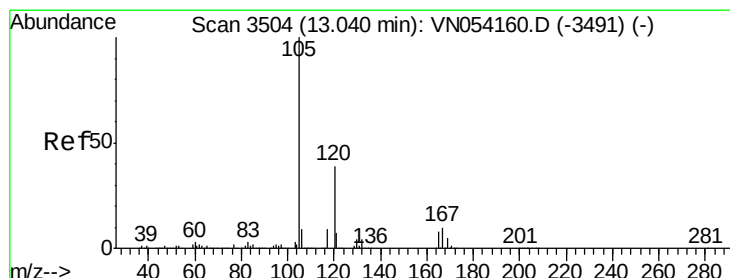
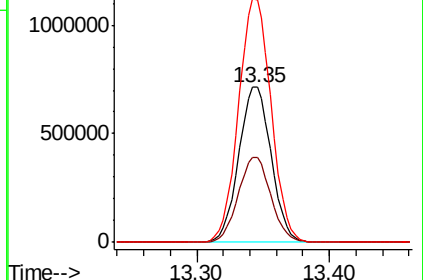
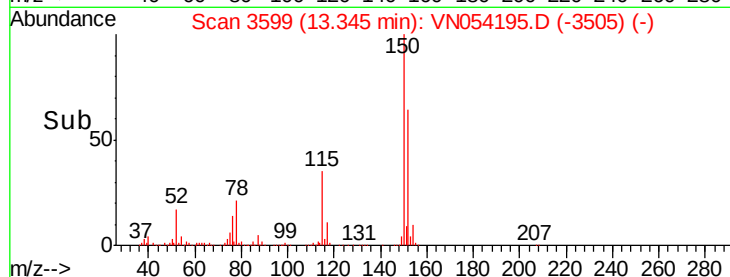
150 157.4 0.0 349.2



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



#84

1,2,4-Trimethylbenzene

Concen: 1.433 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054195.D

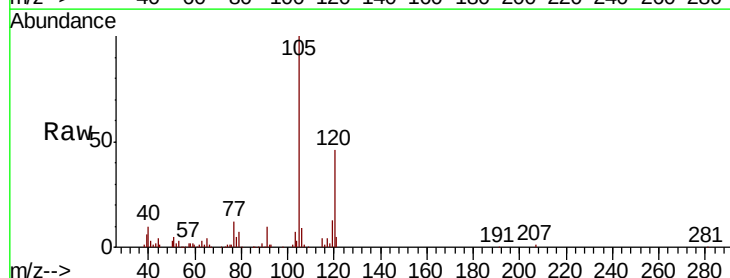
Acq: 13 Mar 2019 6:07

Tgt Ion:105 Resp: 113310

Ion Ratio Lower Upper

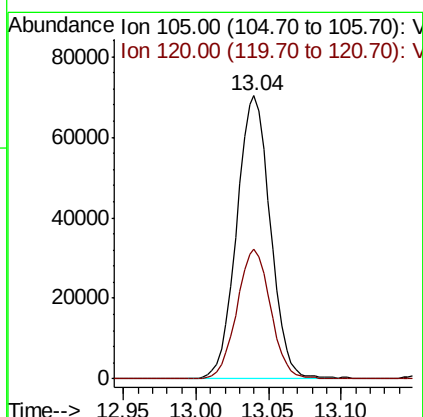
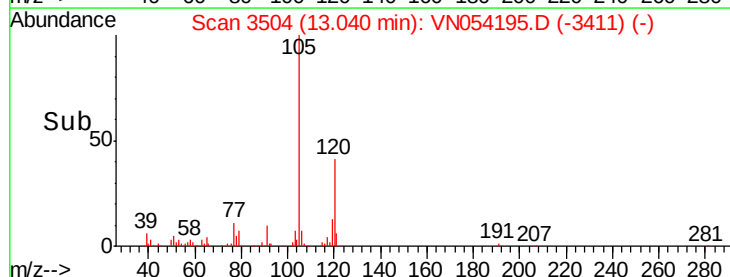
105 100

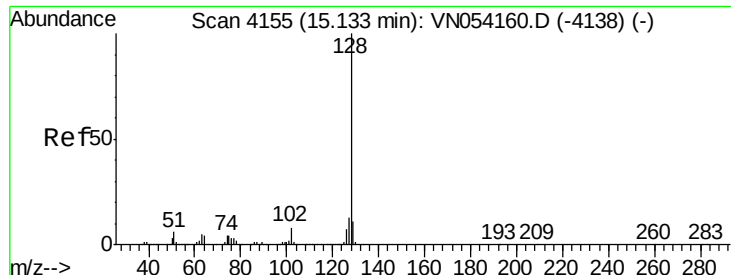
120 45.9 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

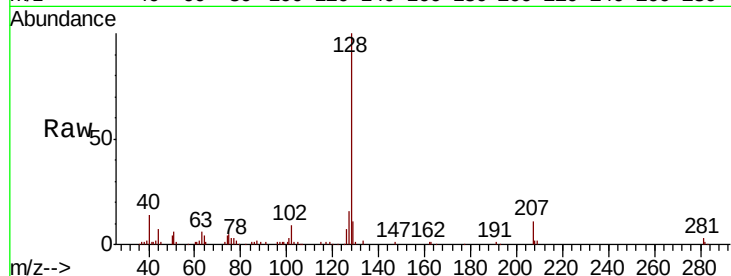




#95
Naphthalene
Concen: 4.913 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054195.D
Acq: 13 Mar 2019 6:07

Instrument :
MSVOA_N
ClientSampleId :
HR-06-031119-B

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.1	15.1
129	12.2	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

