

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031319\
 Data File : VN054233.D
 Acq On : 14 Mar 2019 1:19
 Operator : JC/SP
 Sample : K1693-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OR-02-031219-B

Quant Time: Mar 14 08:34:23 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

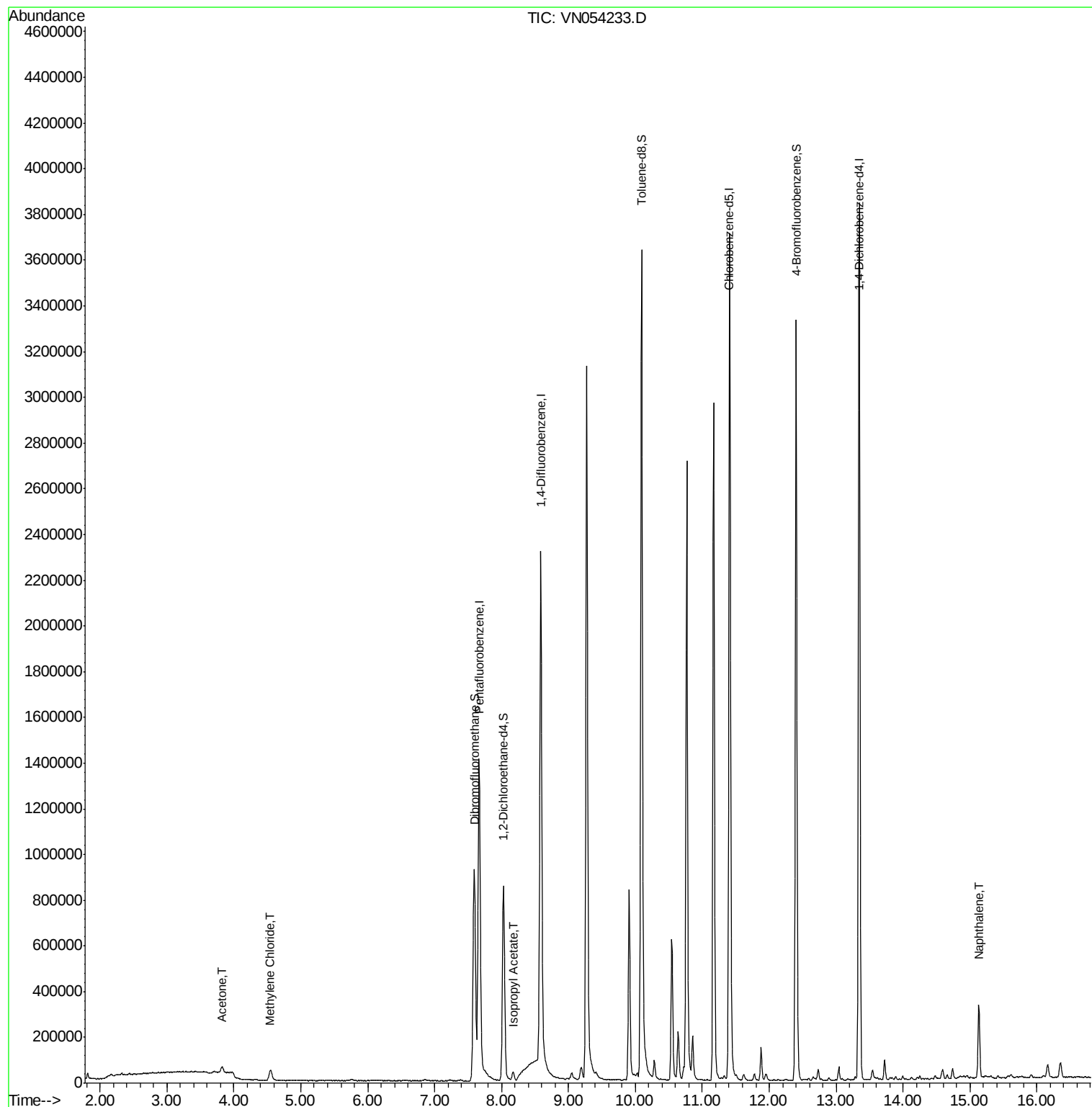
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1401501	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2305721	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2473851	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1128075	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	752588	50.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.12%	
35) Dibromofluoromethane	7.59	113	719088	48.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.72%	
50) Toluene-d8	10.09	98	2906055	52.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.82%	
62) 4-Bromofluorobenzene	12.40	95	1144506	59.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.12%	
Target Compounds						
16) Acetone	3.82	43	42464	9.964	ug/l	97
20) Methylene Chloride	4.55	84	35828	2.560	ug/l	97
43) Isopropyl Acetate	8.18	43	45986	2.147	ug/l	99
95) Naphthalene	15.13	128	308611	9.274	ug/l	100

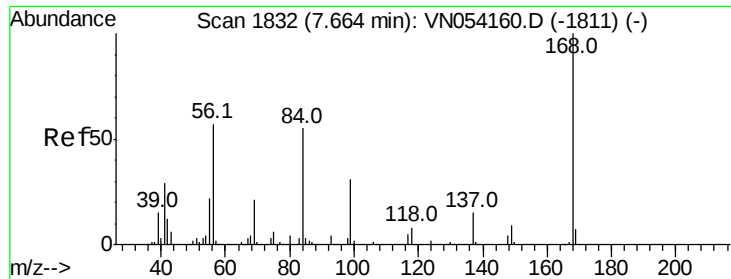
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN054233.D

Acq: 14 Mar 2019 1:19

Instrument :

MSVOA_N

ClientSampleId :

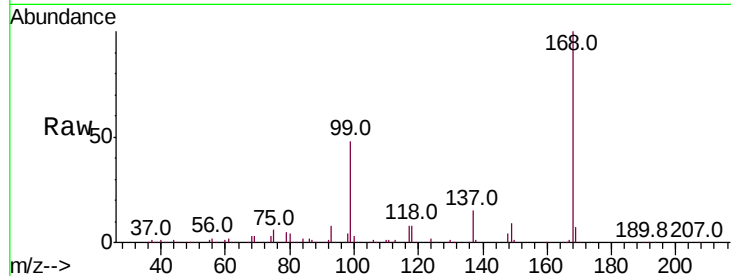
OR-02-031219-B

Tot Ion:168 Resp: 1401501

Ion Ratio Lower Upper

168 100

99 48.2 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

600000

500000

400000

300000

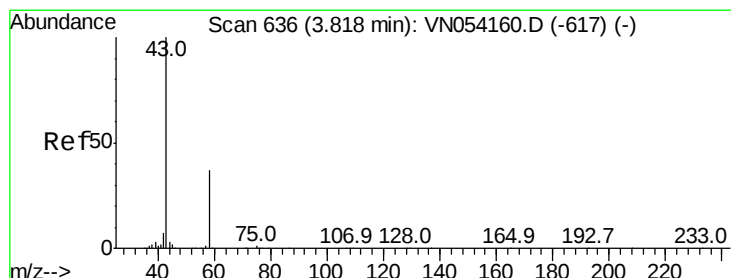
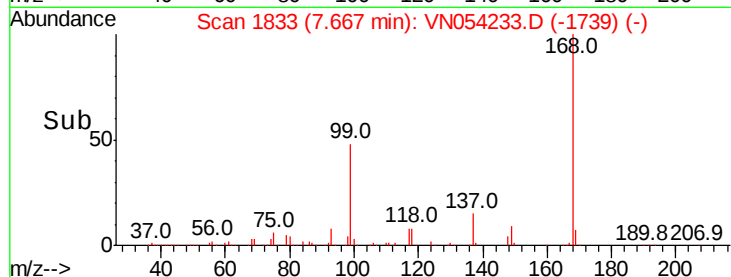
200000

100000

0

7.50 7.60 7.70 7.80

Time-->



#16

Acetone

Concen: 9.964 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN054233.D

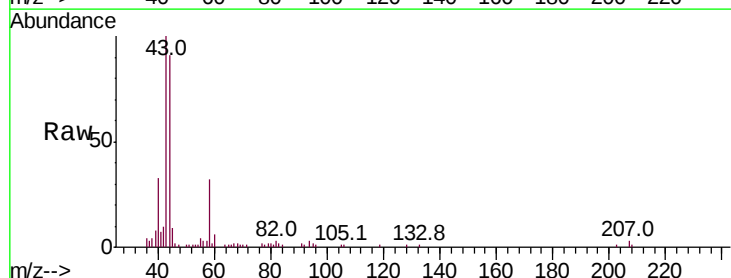
Acq: 14 Mar 2019 1:19

Tgt Ion: 43 Resp: 42464

Ion Ratio Lower Upper

43 100

58 35.8 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.82

20000

15000

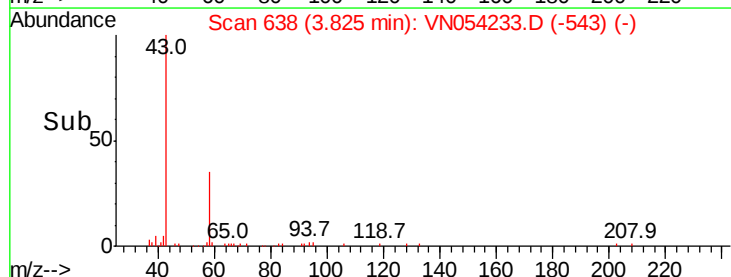
10000

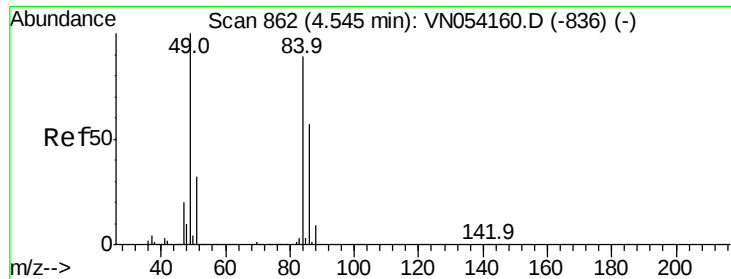
5000

0

3.75 3.80 3.85 3.90

Time-->





#20

Methylene Chloride

Concen: 2.560 ug/l

RT: 4.55 min Scan# 862

Delta R.T. 0.00 min

Lab File: VN054233.D

Acq: 14 Mar 2019 1:19

Instrument :

MSVOA_N

ClientSampleId :

OR-02-031219-B

Tot Ion: 84 Resp: 35828

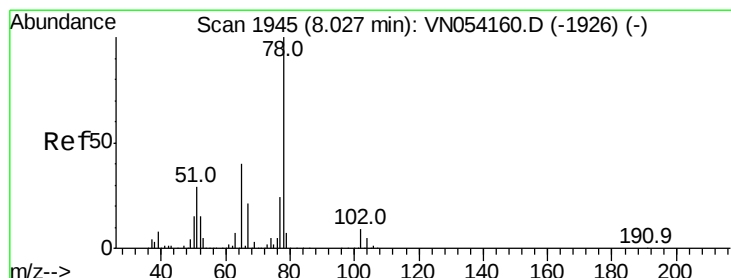
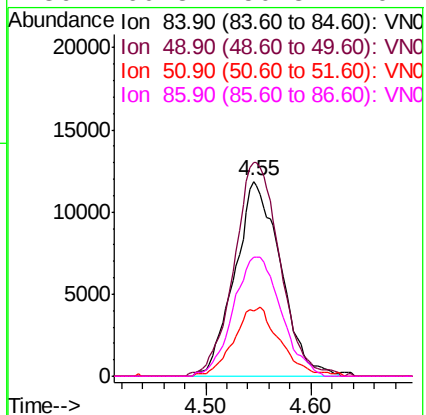
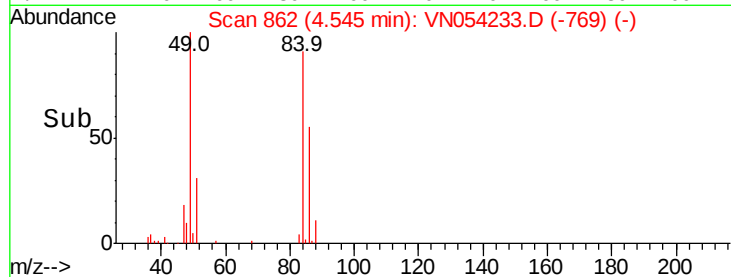
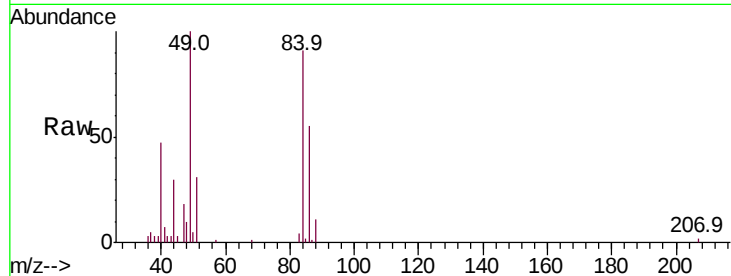
Ion Ratio Lower Upper

84 100

49 108.3 89.7 134.5

51 33.5 28.2 42.4

86 60.8 50.8 76.2



#33

1,2-Dichloroethane-d4

Concen: 50.564 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054233.D

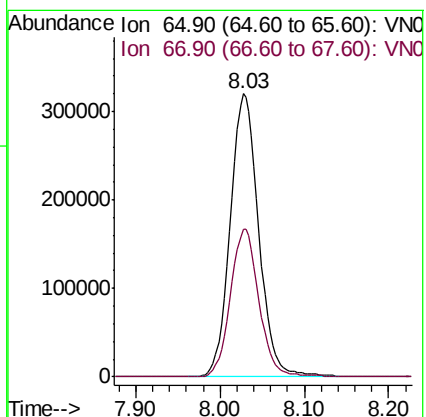
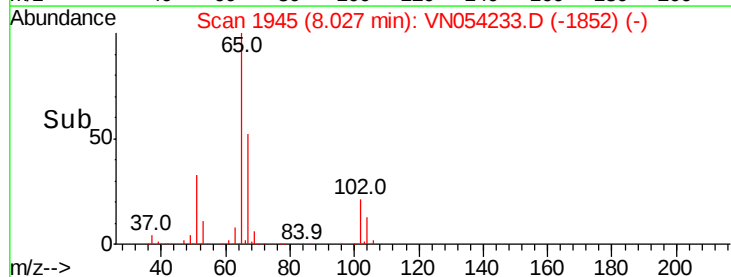
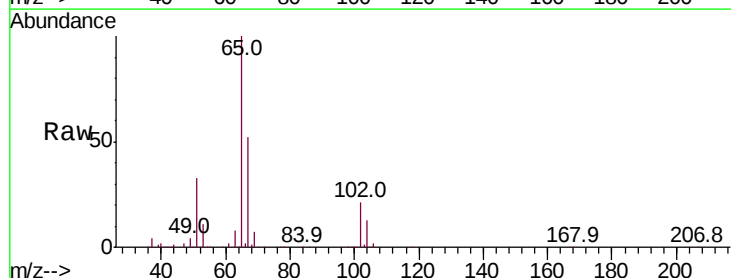
Acq: 14 Mar 2019 1:19

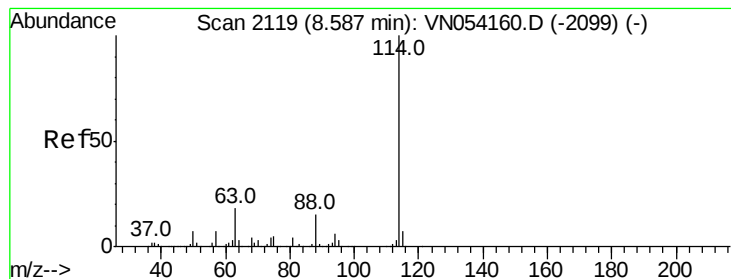
Tgt Ion: 65 Resp: 752588

Ion Ratio Lower Upper

65 100

67 52.4 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: VN054233.D

Acq: 14 Mar 2019 1:19

Instrument :

MSVOA_N

ClientSampleId :

OR-02-031219-B

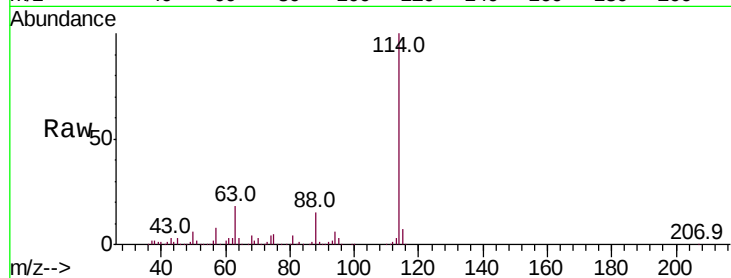
Tot Ion:114 Resp: 2305721

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.2

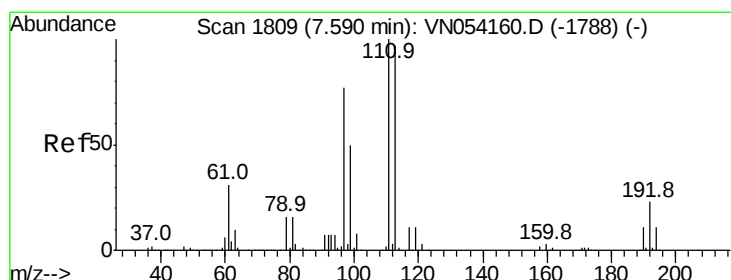
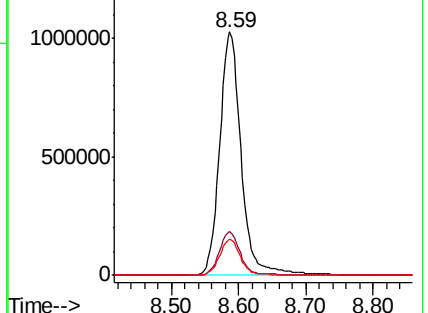
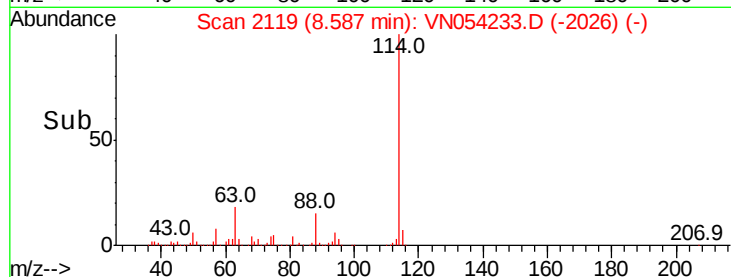
88 14.7 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 48.355 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054233.D

Acq: 14 Mar 2019 1:19

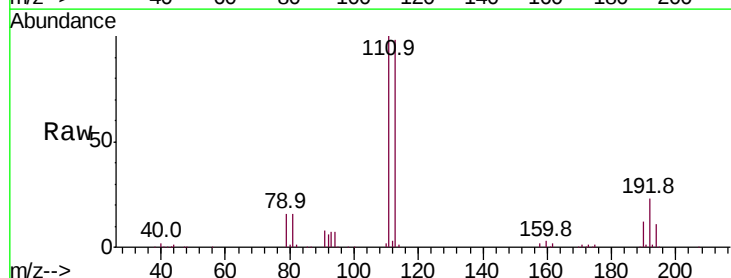
Tgt Ion:113 Resp: 719088

Ion Ratio Lower Upper

113 100

111 101.2 82.2 123.4

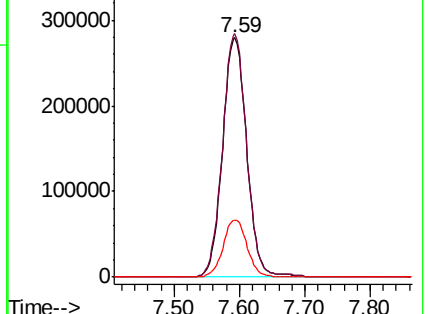
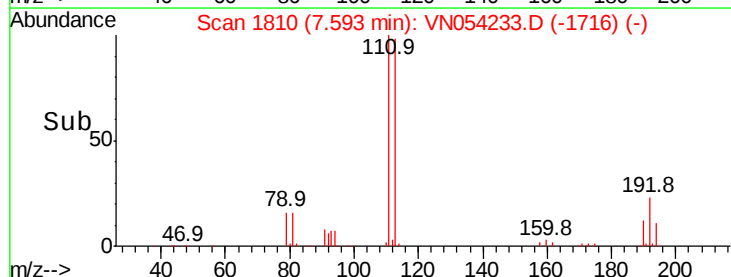
192 23.7 19.2 28.8

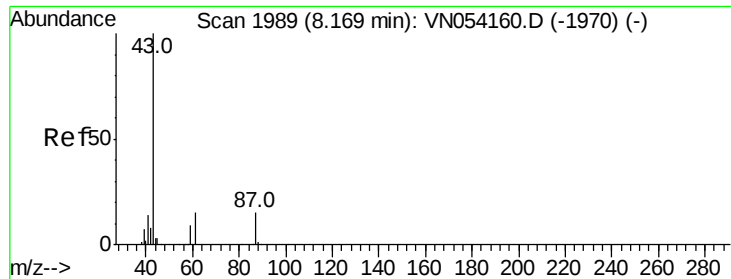


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

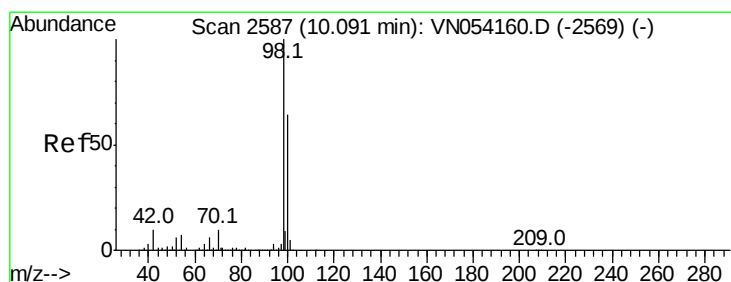
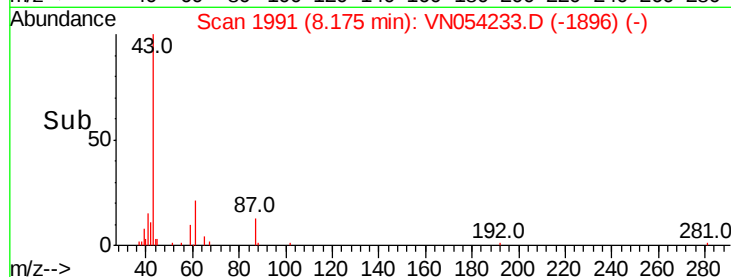
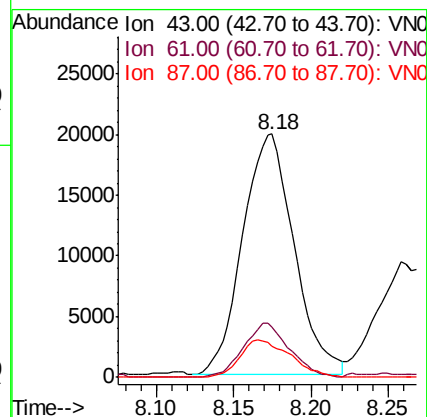
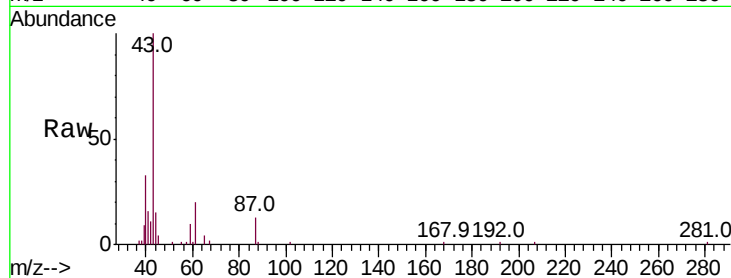




#43
Isopropyl Acetate
Concen: 2.147 ug/l
RT: 8.18 min Scan# 1991
Delta R.T. 0.01 min
Lab File: VN054233.D
Acq: 14 Mar 2019 1:19

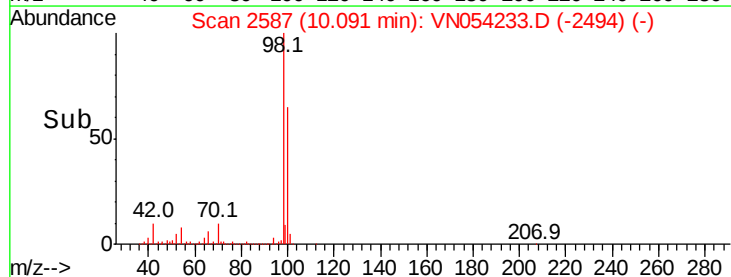
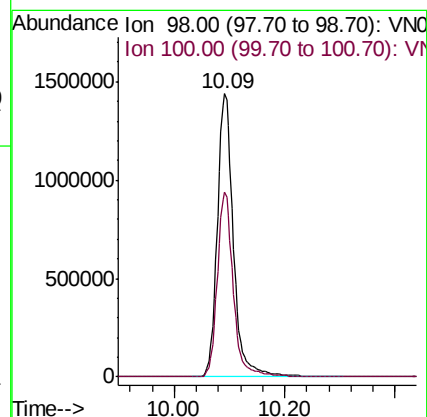
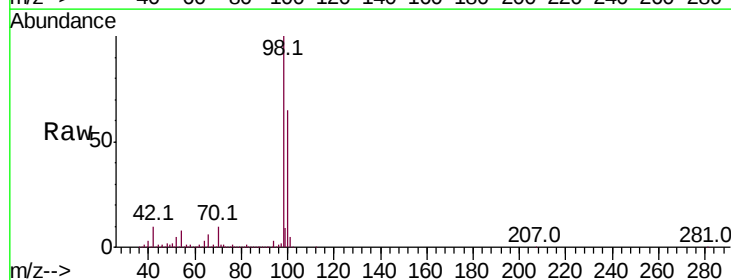
Instrument :
MSVOA_N
ClientSampleId :
OR-02-031219-B

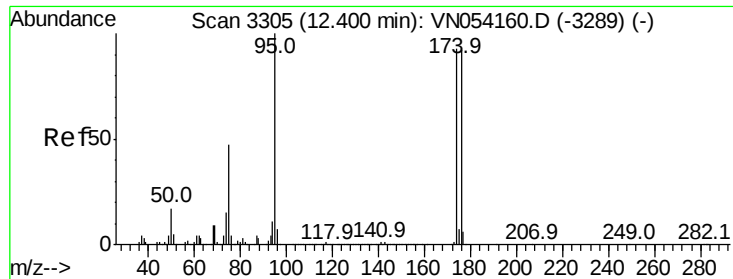
Tot Ion: 43 Resp: 45986
Ion Ratio Lower Upper
43 100
61 20.1 15.8 23.8
87 15.3 12.0 18.0



#50
Toluene-d8
Concen: 52.914 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054233.D
Acq: 14 Mar 2019 1:19

Tgt Ion: 98 Resp: 2906055
Ion Ratio Lower Upper
98 100
100 64.6 51.2 76.8





#62

4-Bromofluorobenzene

Concen: 59.558 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054233.D

Acq: 14 Mar 2019 1:19

Instrument :

MSVOA_N

ClientSampleId :

OR-02-031219-B

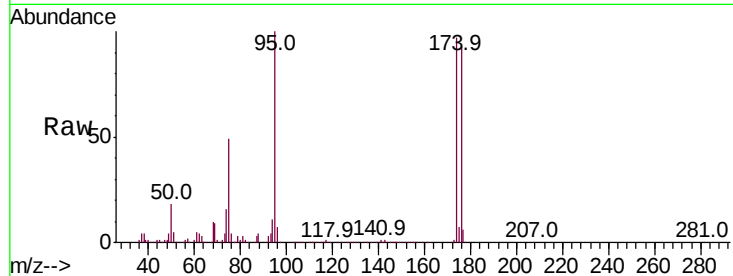
Tot Ion: 95 Resp: 1144506

Ion Ratio Lower Upper

95 100

174 97.1 0.0 191.0

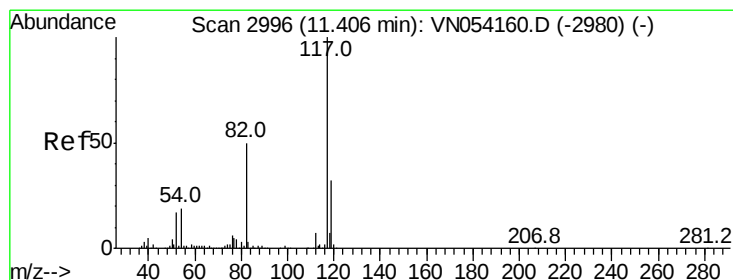
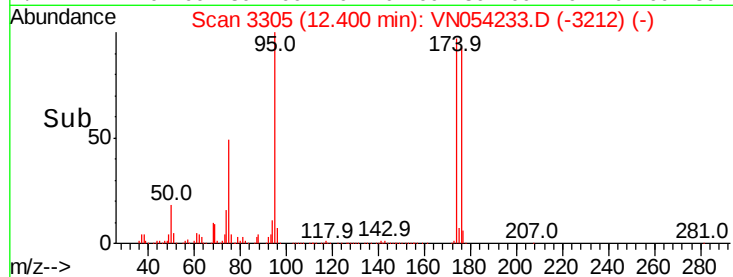
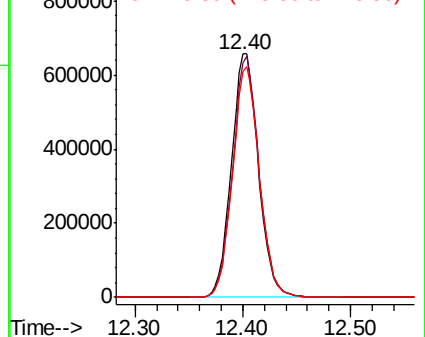
176 93.8 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN054233.D

Acq: 14 Mar 2019 1:19

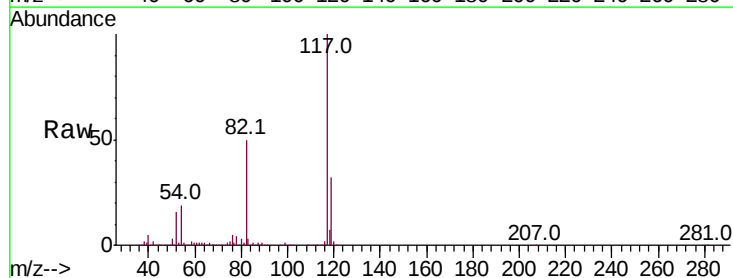
Tgt Ion: 117 Resp: 2473851

Ion Ratio Lower Upper

117 100

82 50.0 40.0 60.0

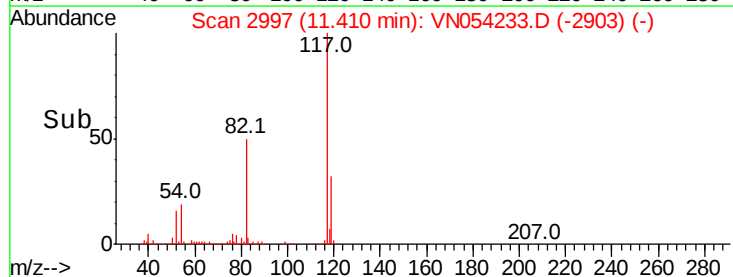
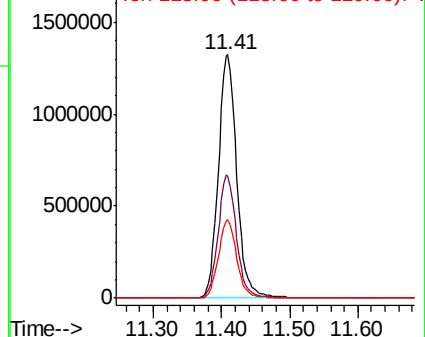
119 32.0 25.8 38.6

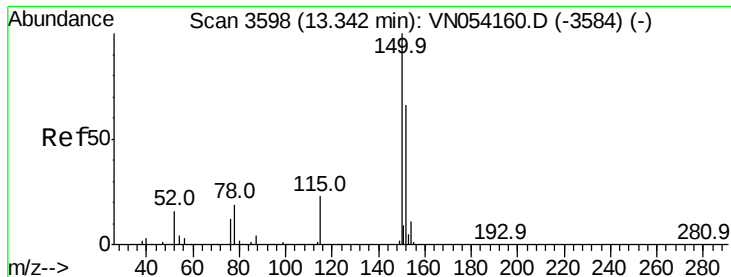


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054233.D

Acq: 14 Mar 2019 1:19

Instrument :

MSVOA_N

ClientSampleId :

OR-02-031219-B

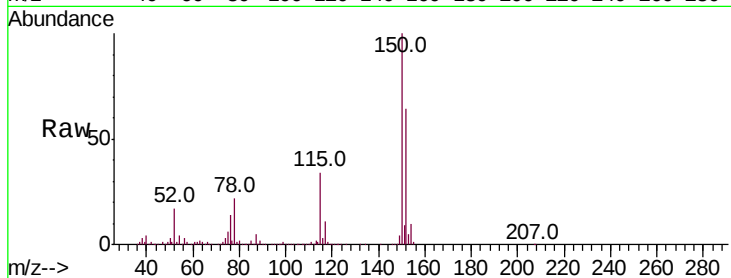
Tot Ion:152 Resp: 1128075

Ion Ratio Lower Upper

152 100

115 54.7 27.2 81.6

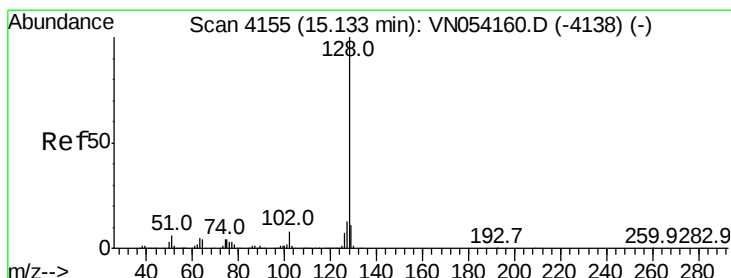
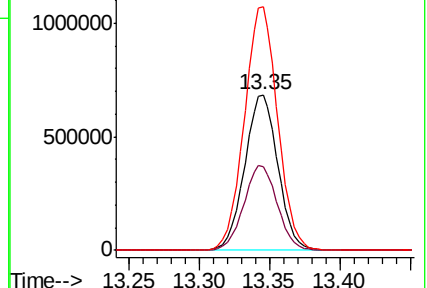
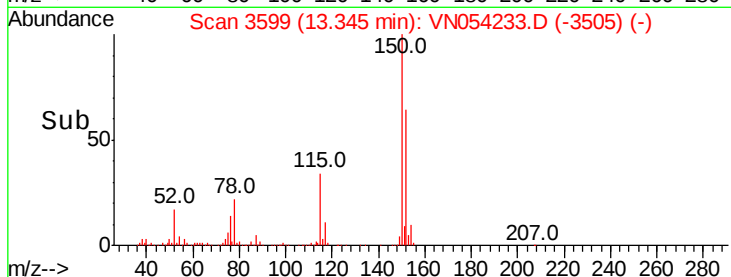
150 156.6 0.0 349.2



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: 9.274 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054233.D

Acq: 14 Mar 2019 1:19

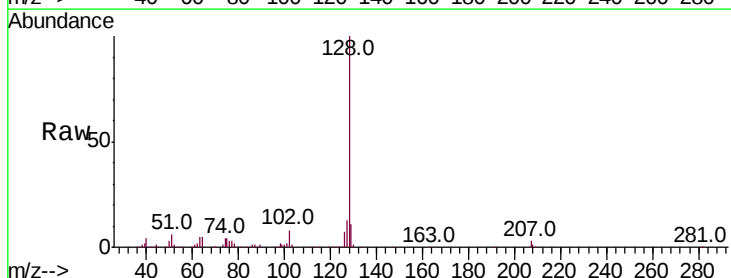
Tgt Ion:128 Resp: 308611

Ion Ratio Lower Upper

128 100

127 12.4 10.1 15.1

129 10.8 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

