

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022119\
 Data File : VN053899.D
 Acq On : 21 Feb 2019 18:17
 Operator : JC/SP
 Sample : K1349-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OR-02-021919-B

Quant Time: Feb 22 02:38:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 21 03:36:07 2019
 Response via : Initial Calibration

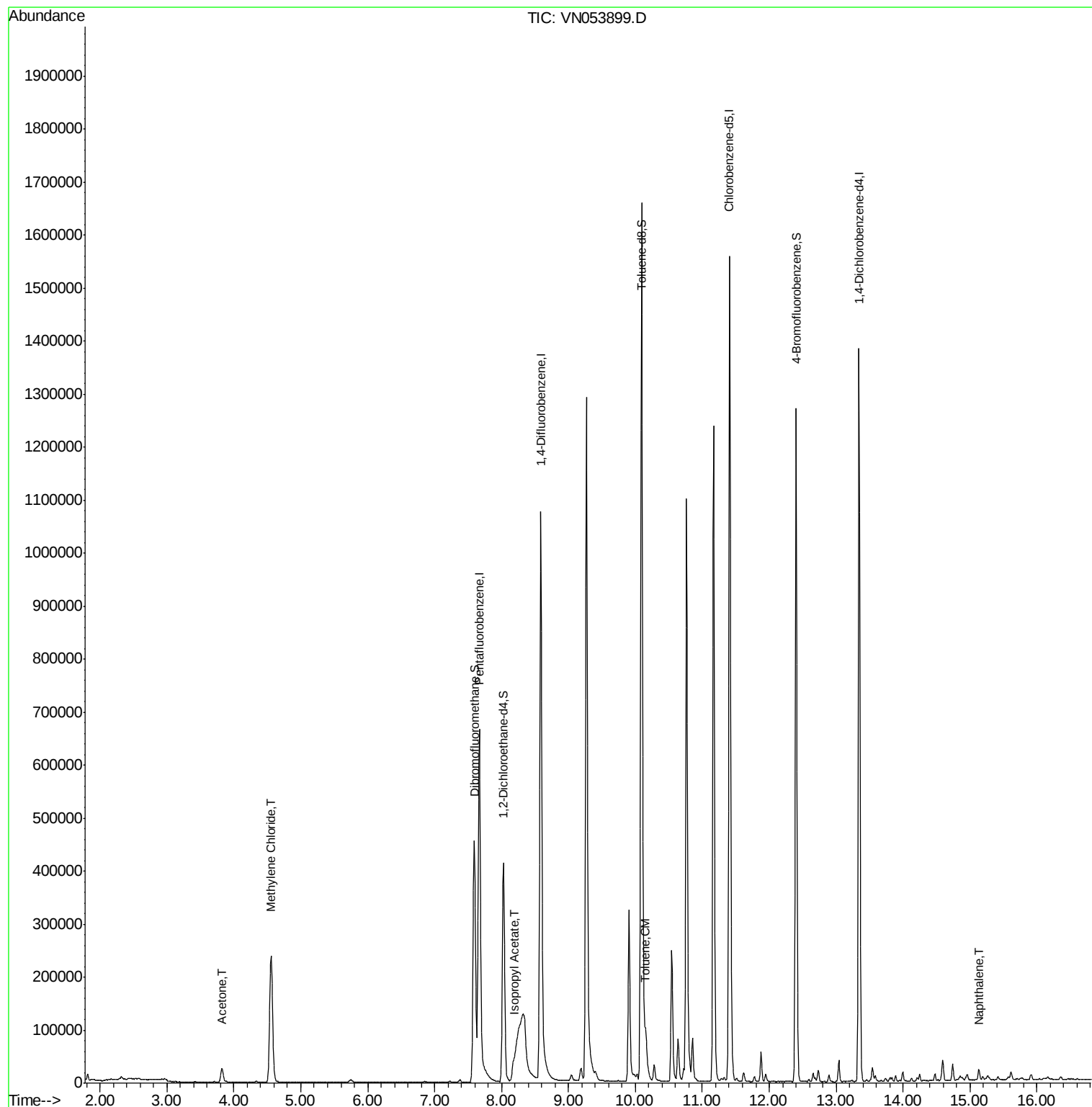
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	674012	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1144589	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1073157	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	417286	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	362167	52.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.16%	
35) Dibromofluoromethane	7.59	113	365453	48.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.30%	
50) Toluene-d8	10.09	98	1376932	50.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.50%	
62) 4-Bromofluorobenzene	12.40	95	448052	50.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.04%	
Target Compounds						
16) Acetone	3.82	43	47769	25.216	ug/l	96
20) Methylene Chloride	4.56	84	192824	27.187	ug/l	98
43) Isopropyl Acetate	8.18	43	37103	3.315	ug/l #	85
52) Toluene	10.16	92	24429	1.329	ug/l	96
95) Naphthalene	15.13	128	18149	5.607	ug/l	100

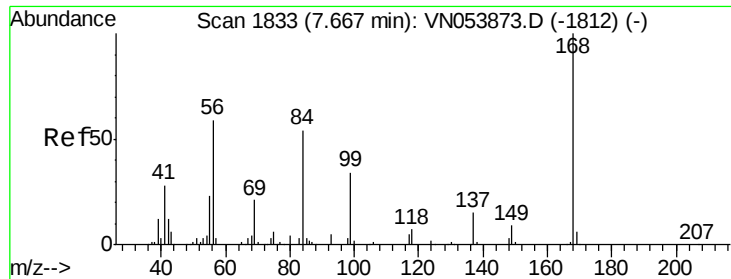
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN053899.D

Acq: 21 Feb 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

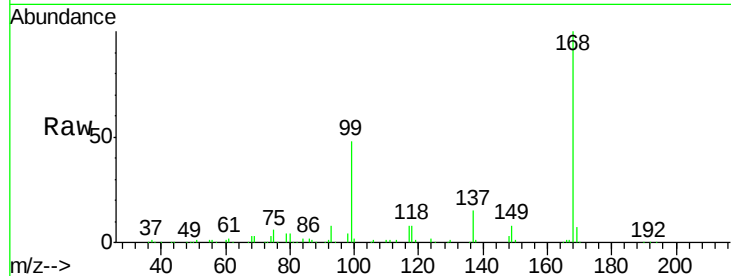
OR-02-021919-B

Tot Ion:168 Resp: 674012

Ion Ratio Lower Upper

168 100

99 48.2 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

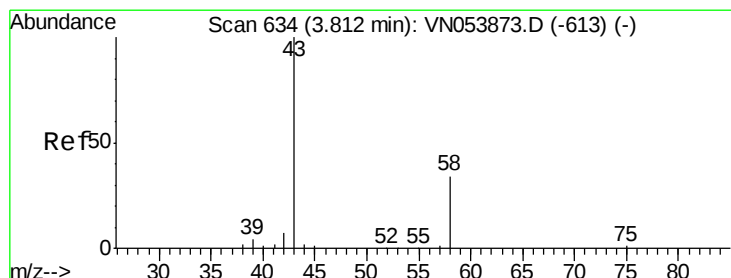
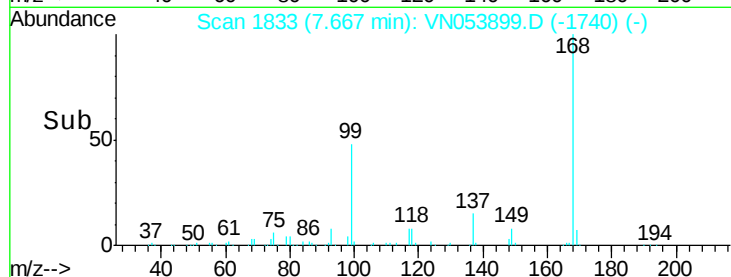
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#16

Acetone

Concen: 25.216 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN053899.D

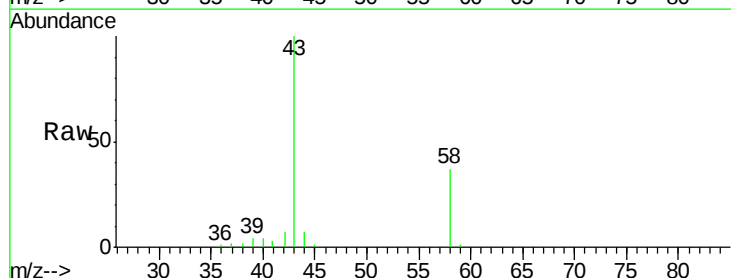
Acq: 21 Feb 2019 18:17

Tgt Ion: 43 Resp: 47769

Ion Ratio Lower Upper

43 100

58 36.7 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.82

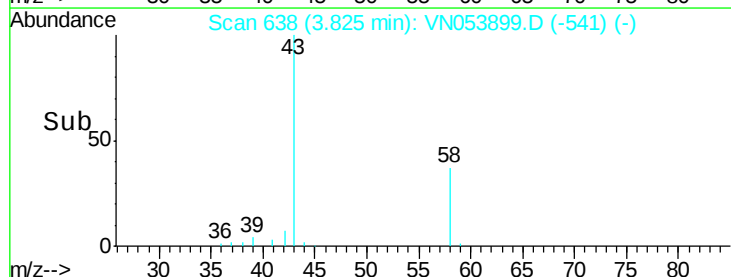
15000

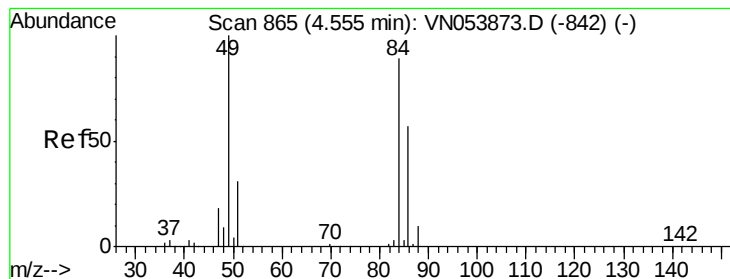
10000

5000

0

Time--> 3.70 3.80 3.90





#20

Methylene Chloride

Concen: 27.187 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.00 min

Lab File: VN053899.D

Acq: 21 Feb 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

OR-02-021919-B

Tot Ion: 84 Resp: 192824

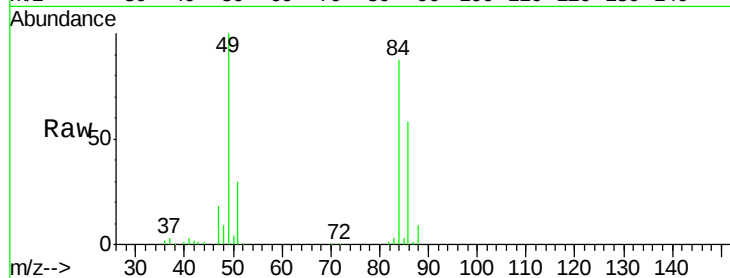
Ion Ratio Lower Upper

84 100

49 114.9 89.7 134.5

51 34.4 27.8 41.8

86 66.5 51.3 76.9

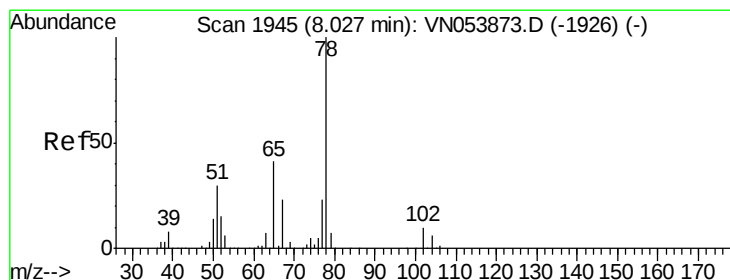
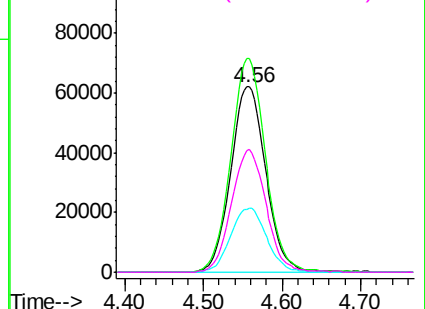
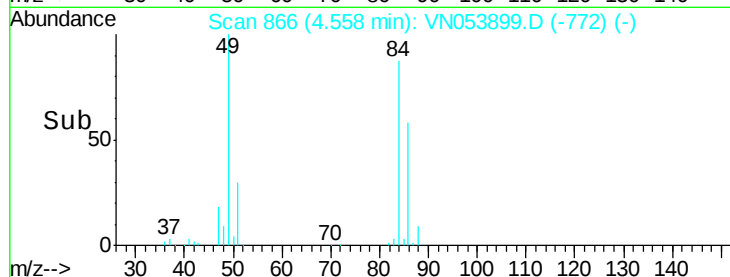


Abundance Ion 83.90 (83.60 to 84.60): VNO

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



#33

1,2-Dichloroethane-d4

Concen: 52.577 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053899.D

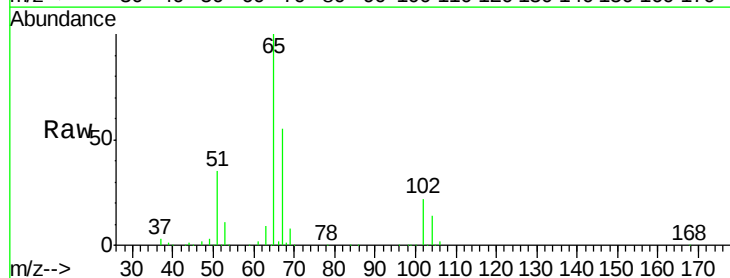
Acq: 21 Feb 2019 18:17

Tgt Ion: 65 Resp: 362167

Ion Ratio Lower Upper

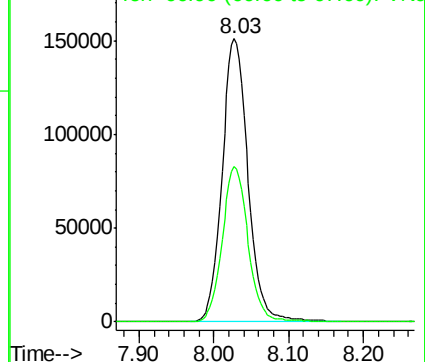
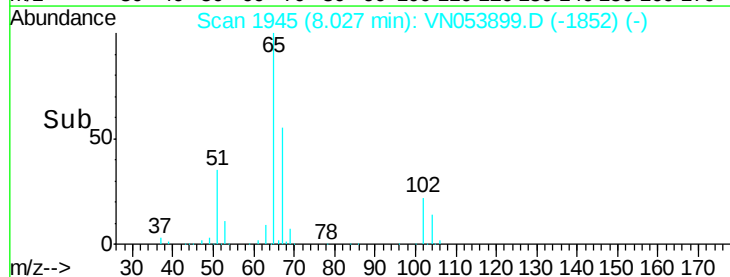
65 100

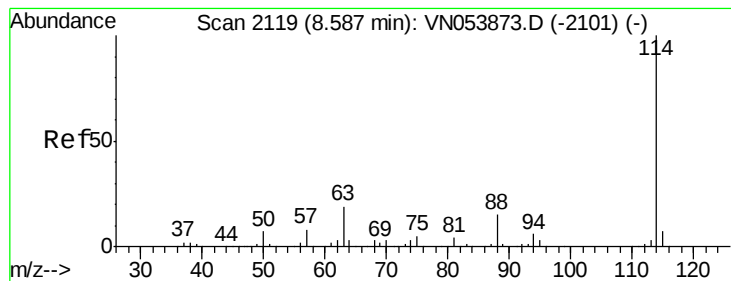
67 54.8 0.0 111.8



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053899.D

Acq: 21 Feb 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

OR-02-021919-B

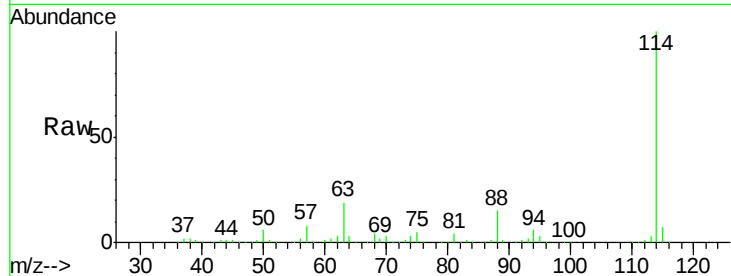
Tot Ion:114 Resp: 1144589

Ion Ratio Lower Upper

114 100

63 18.8 0.0 37.4

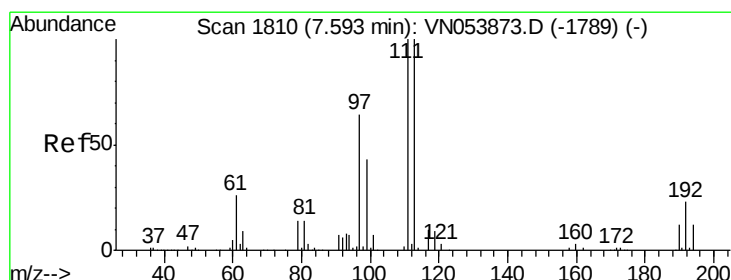
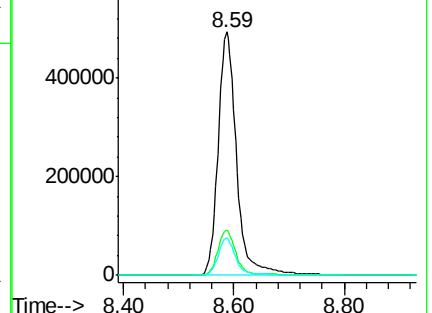
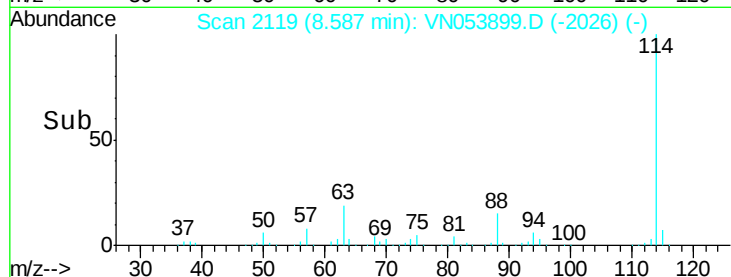
88 15.5 0.0 30.4



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



#35

Dibromofluoromethane

Concen: 48.651 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN053899.D

Acq: 21 Feb 2019 18:17

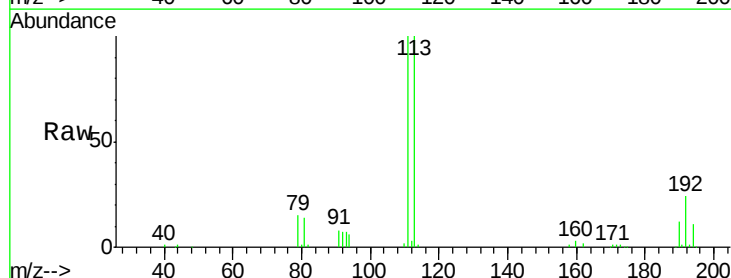
Tgt Ion:113 Resp: 365453

Ion Ratio Lower Upper

113 100

111 102.3 81.1 121.7

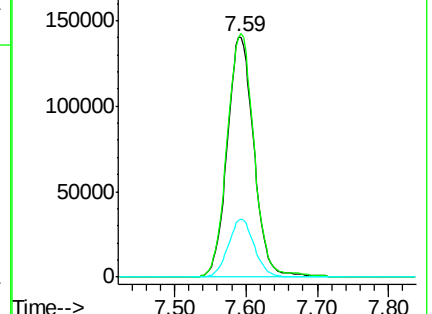
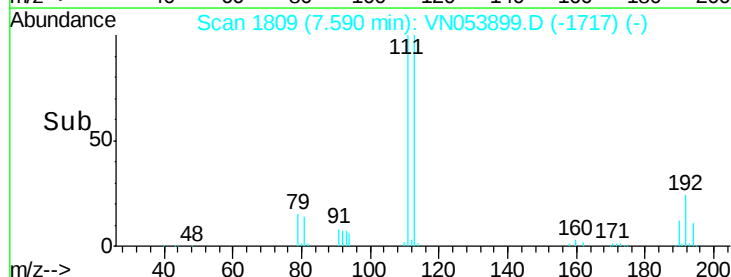
192 23.6 18.8 28.2

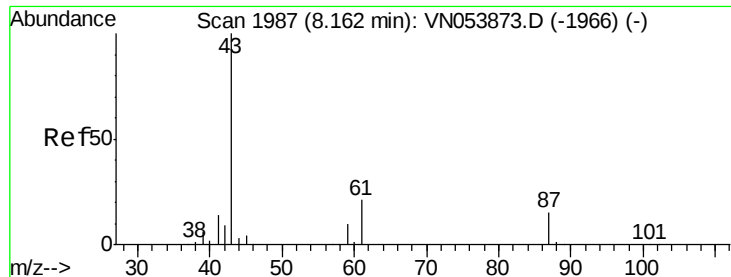


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 3.315 ug/l

RT: 8.18 min Scan# 1991

Delta R.T. 0.01 min

Lab File: VN053899.D

Acq: 21 Feb 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

OR-02-021919-B

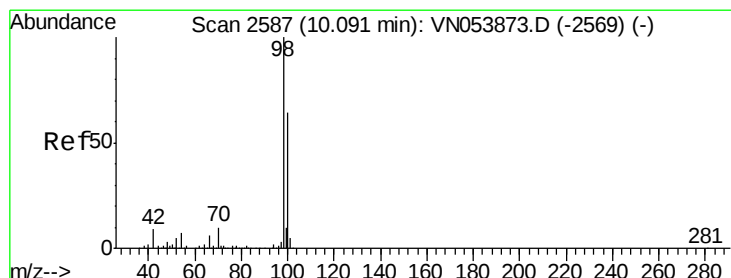
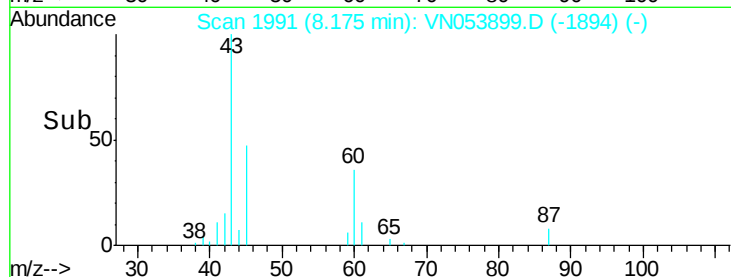
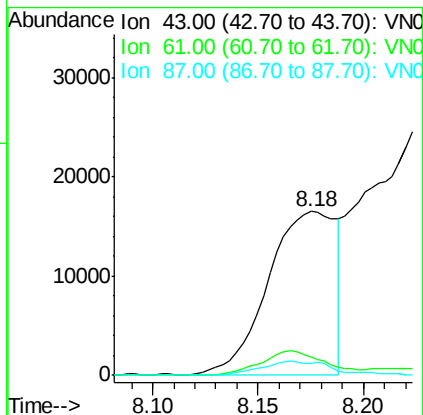
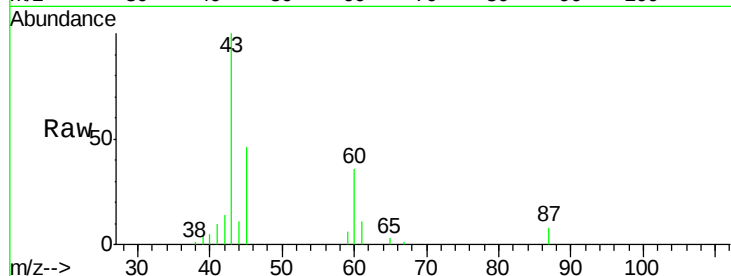
Tot Ion: 43 Resp: 37103

Ion Ratio Lower Upper

43 100

61 13.8 17.4 26.0#

87 9.3 11.5 17.3#



#50

Toluene-d8

Concen: 50.752 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053899.D

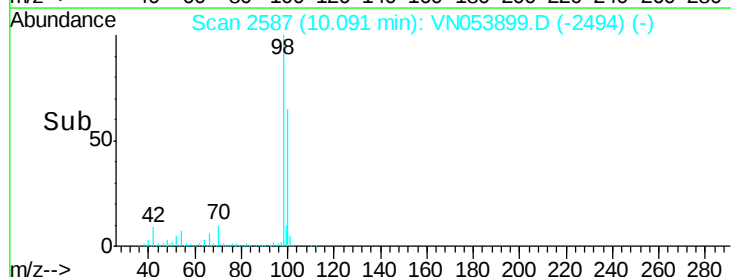
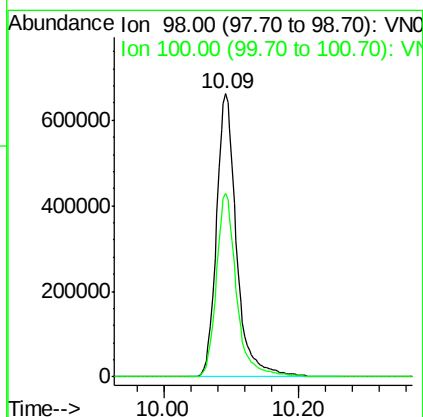
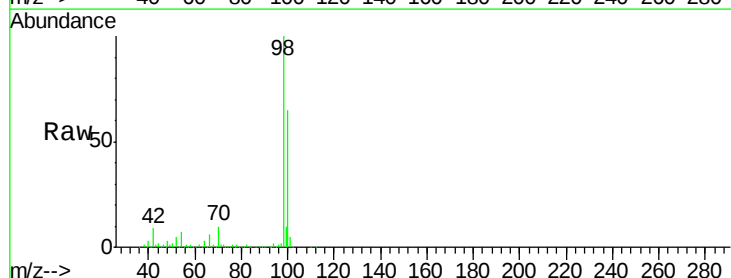
Acq: 21 Feb 2019 18:17

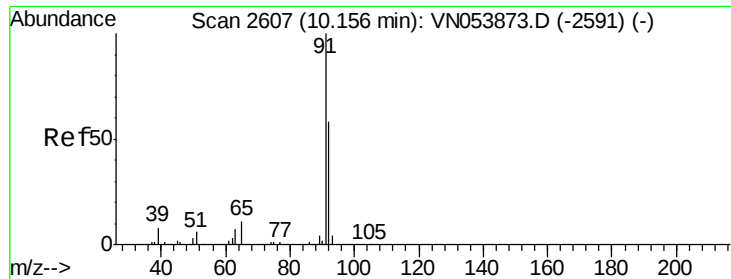
Tgt Ion: 98 Resp: 1376932

Ion Ratio Lower Upper

98 100

100 65.0 51.9 77.9





#52

Toluene

Concen: 1.329 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053899.D

Acq: 21 Feb 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

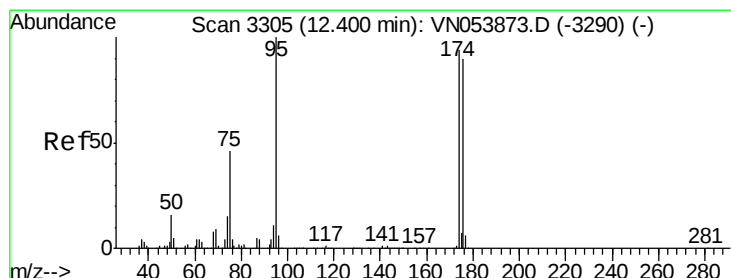
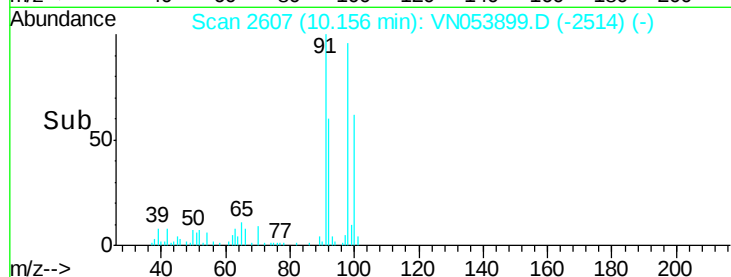
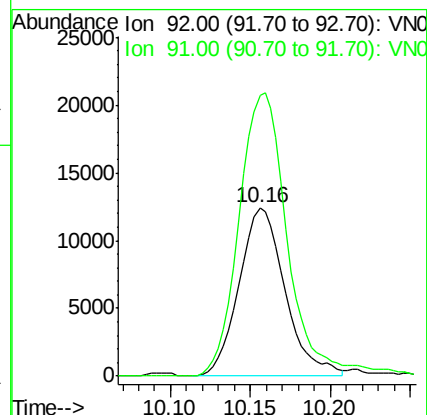
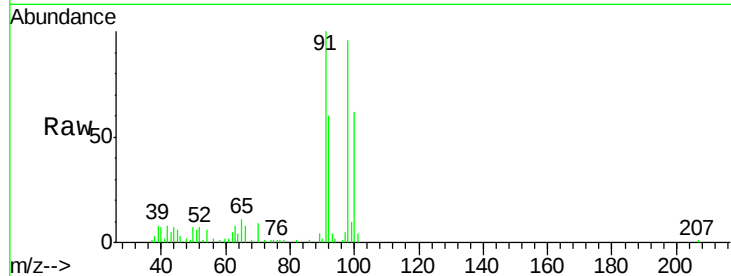
OR-02-021919-B

Tot Ion: 92 Resp: 24429

Ion Ratio Lower Upper

92 100

91 178.6 138.4 207.6



#62

4-Bromofluorobenzene

Concen: 50.023 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053899.D

Acq: 21 Feb 2019 18:17

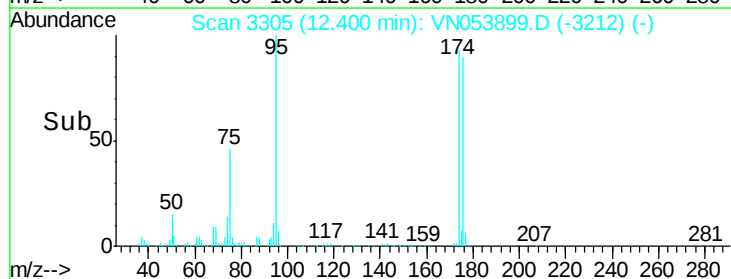
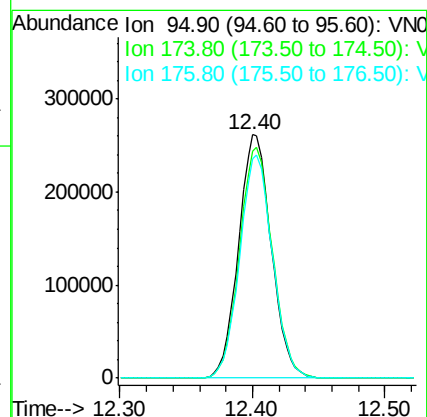
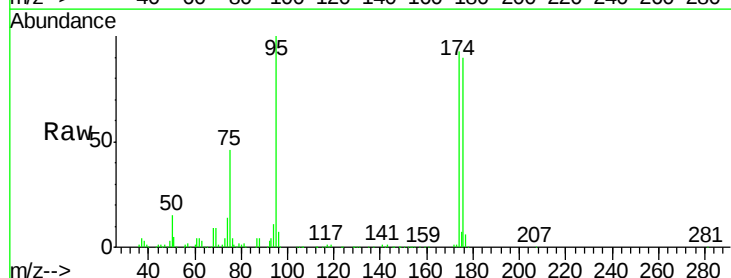
Tgt Ion: 95 Resp: 448052

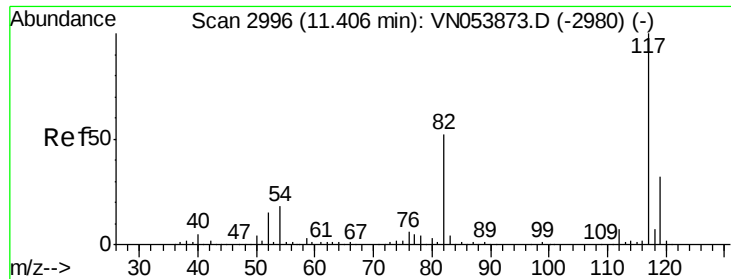
Ion Ratio Lower Upper

95 100

174 95.6 0.0 188.8

176 91.9 0.0 182.6

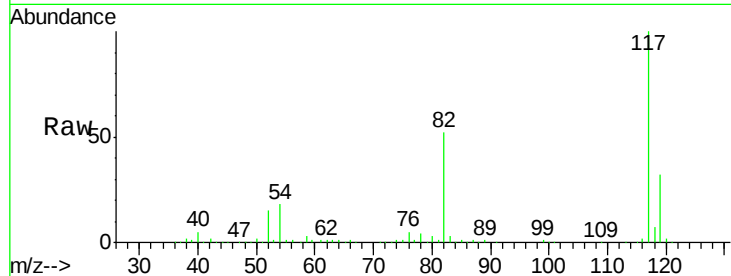




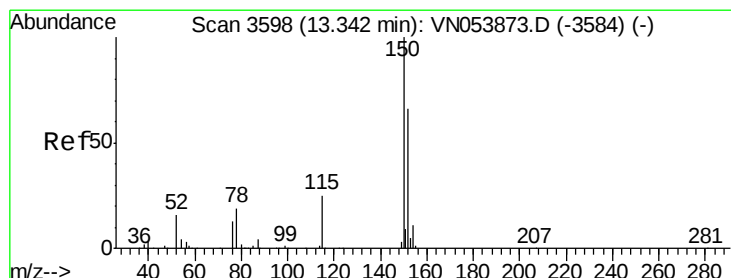
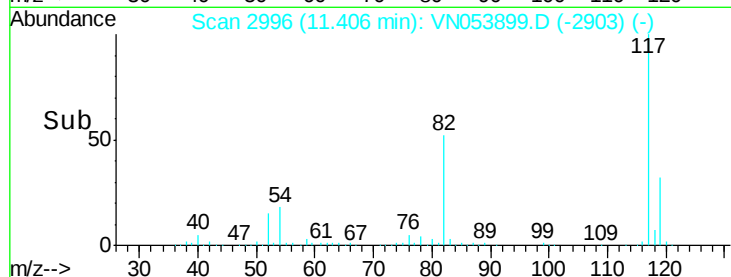
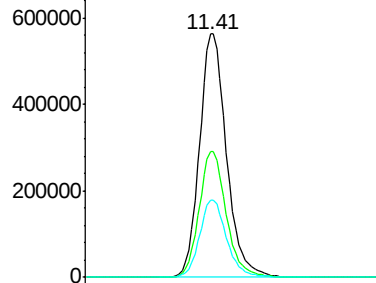
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053899.D
Acq: 21 Feb 2019 18:17

Instrument :
MSVOA_N
ClientSampleId :
OR-02-021919-B

Tot Ion:117 Resp: 1073157
Ion Ratio Lower Upper
117 100
82 51.8 41.4 62.2
119 31.6 25.3 37.9

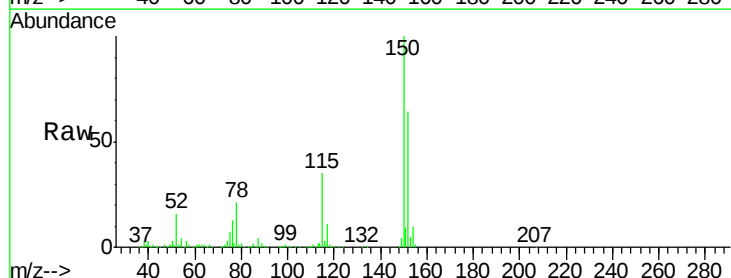


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

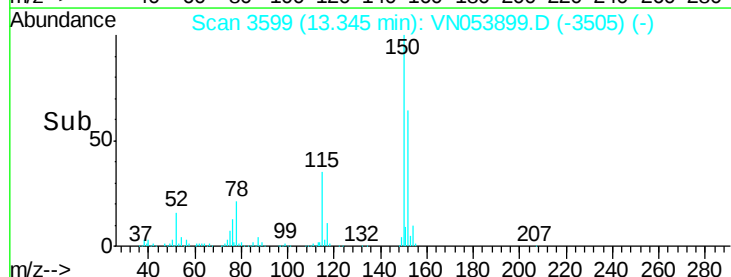
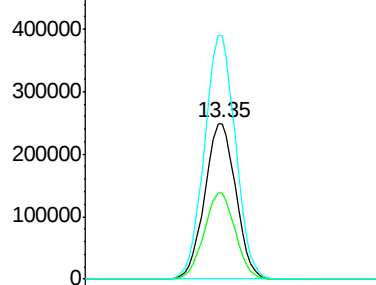


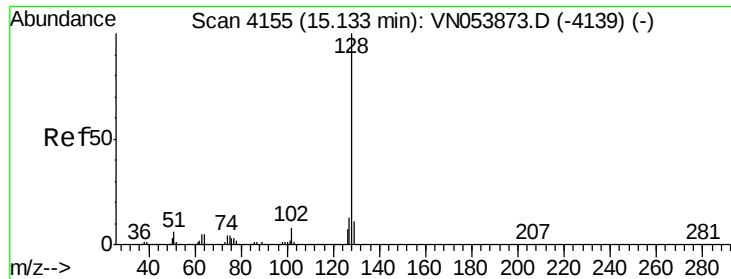
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053899.D
Acq: 21 Feb 2019 18:17

Tgt Ion:152 Resp: 417286
Ion Ratio Lower Upper
152 100
115 55.1 27.2 81.6
150 156.3 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: 5.607 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053899.D

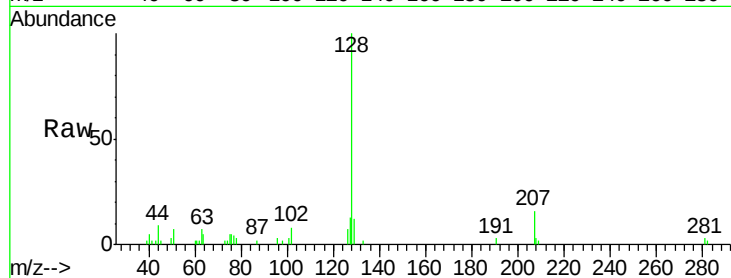
Acq: 21 Feb 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

OR-02-021919-B



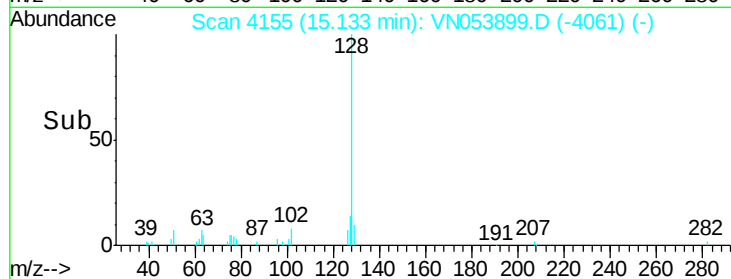
Tot Ion:128 Resp: 18149

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

129 10.5 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

