

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021319\
 Data File : VN053750.D
 Acq On : 13 Feb 2019 13:01
 Operator : JC/SP
 Sample : K1343-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 JC-02-021119-A

Quant Time: Feb 14 00:48:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

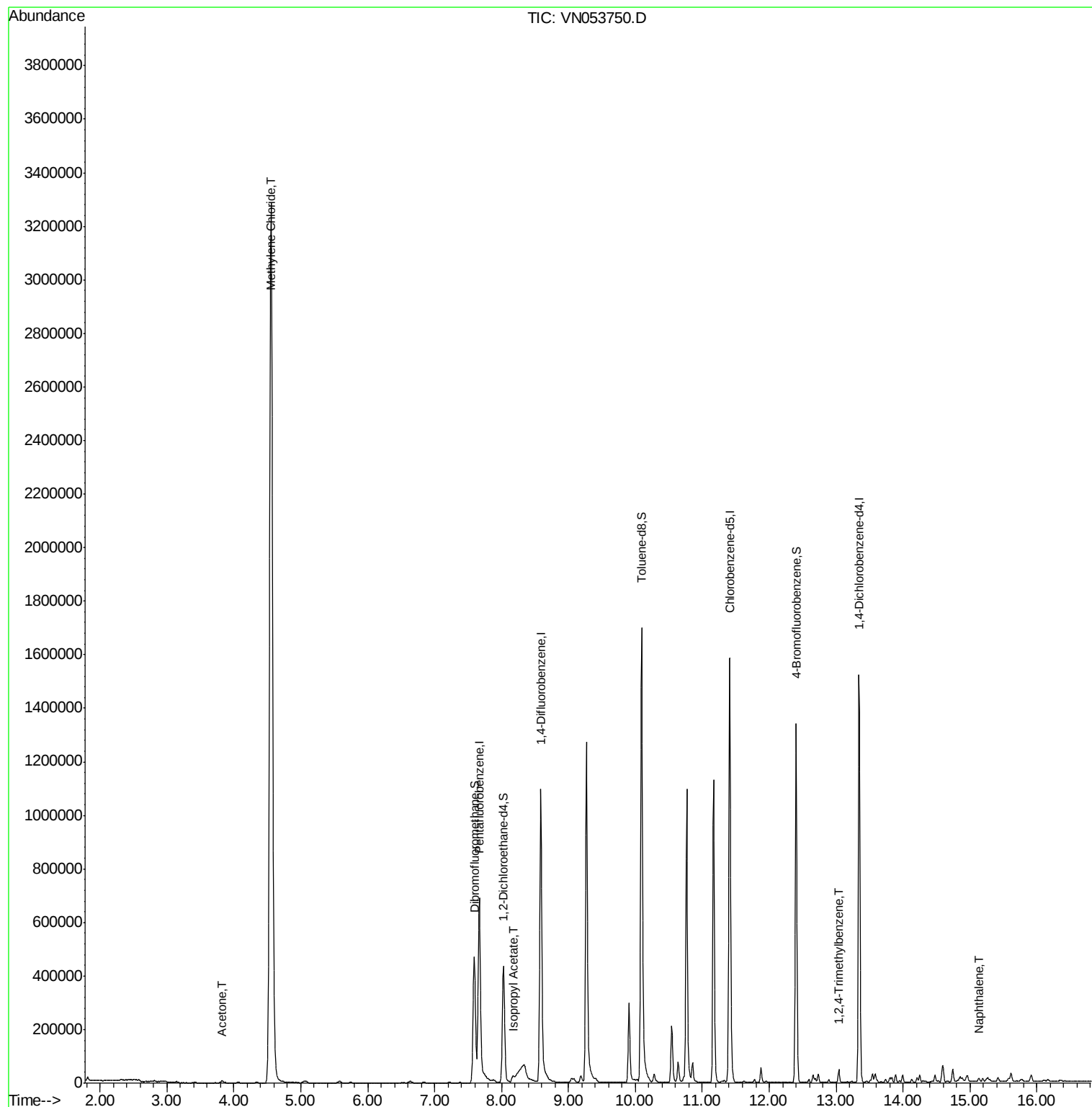
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	695578	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1145264	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1077233	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	448437	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	370060	53.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.06%	
35) Dibromofluoromethane	7.59	113	366696	50.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.34%	
50) Toluene-d8	10.09	98	1396480	51.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.78%	
62) 4-Bromofluorobenzene	12.40	95	463073	51.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.20%	
Target Compounds						
16) Acetone	3.82	43	13320	7.442	ug/l	99
20) Methylene Chloride	4.55	84	2662133	354.514	ug/l	98
43) Isopropyl Acetate	8.18	43	27764	2.493	ug/l #	87
84) 1,2,4-Trimethylbenzene	13.04	105	29516	1.108	ug/l	100
95) Naphthalene	15.13	128	11806	2.315	ug/l	97

(#) = 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: VN053750.D

Acq: 13 Feb 2019 13:01

Instrument :

MSVOA_N

ClientSampleId :

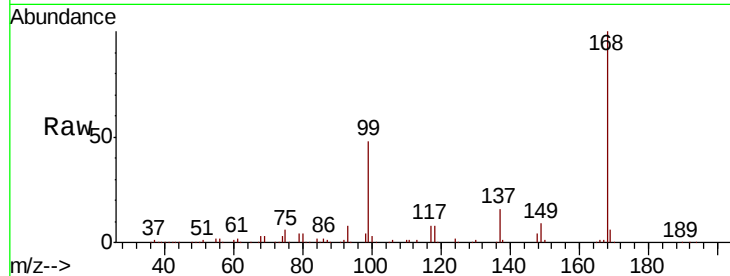
JC-02-021119-A

Tot Ion:168 Resp: 695578

Ion Ratio Lower Upper

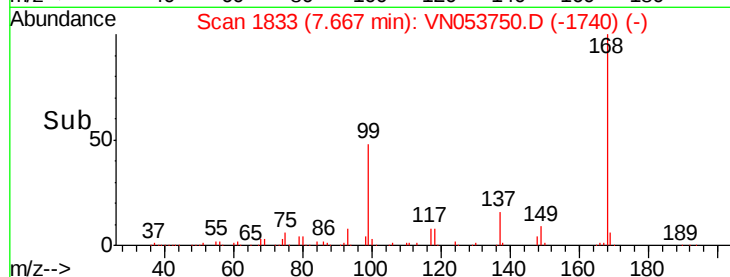
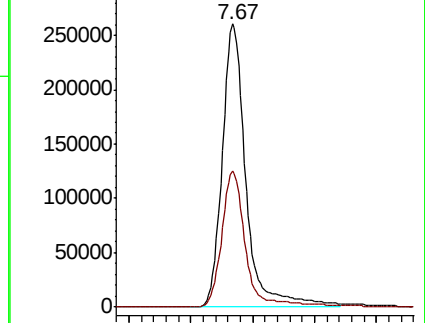
168 100

99 48.1 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): VN053750.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN053750.D (-1740) (-)



#16

Acetone

Concen: 7.442 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN053750.D

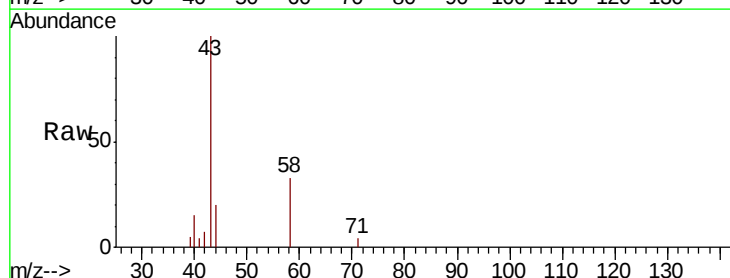
Acq: 13 Feb 2019 13:01

Tgt Ion: 43 Resp: 13320

Ion Ratio Lower Upper

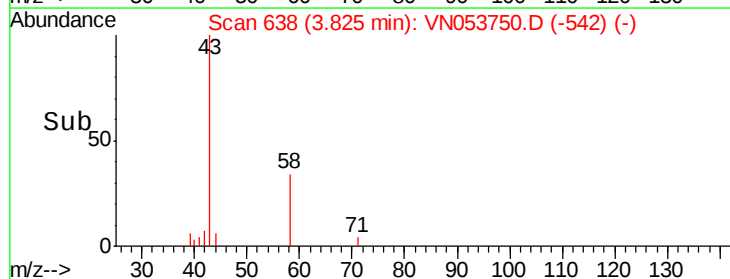
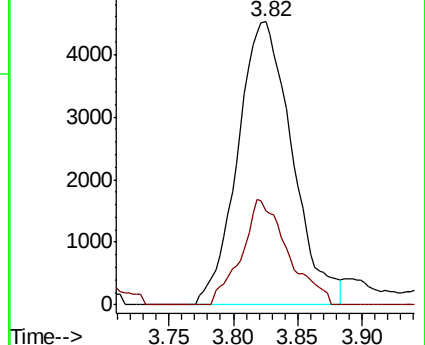
43 100

58 33.1 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN053750.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN053750.D (-542) (-)





#20

Methylene Chloride

Concen: 354.514 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN053750.D

Acq: 13 Feb 2019 13:01

Instrument :

MSVOA_N

ClientSampleId :

JC-02-021119-A

Tot Ion: 84 Resp: 2662133

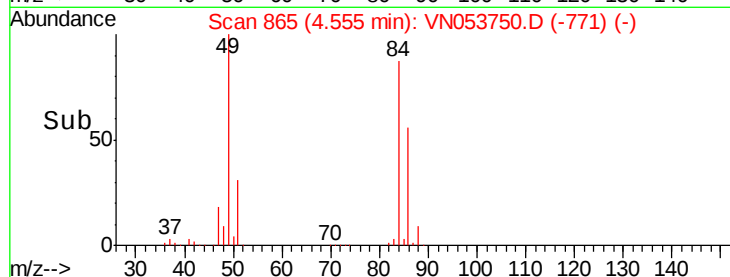
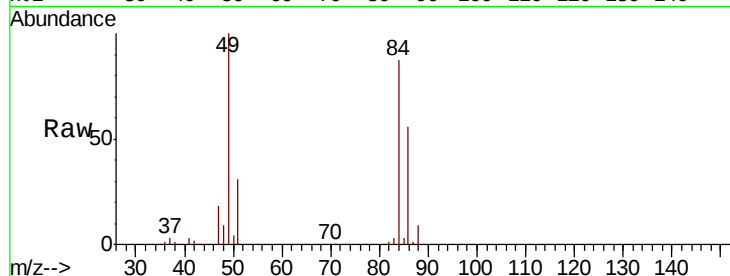
Ion Ratio Lower Upper

84 100

49 115.5 94.3 141.5

51 35.6 29.4 44.2

86 64.7 51.4 77.0

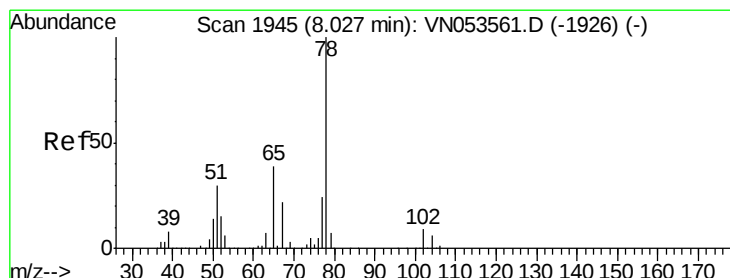
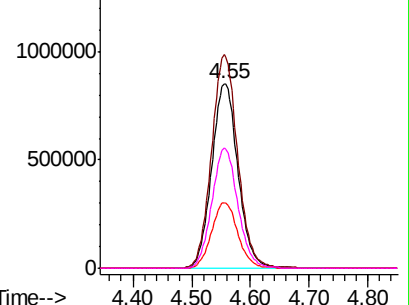


Abundance Ion 83.90 (83.60 to 84.60): VN0

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



#33

1,2-Dichloroethane-d4

Concen: 53.033 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053750.D

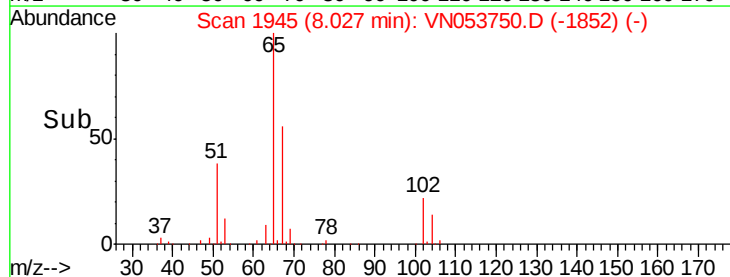
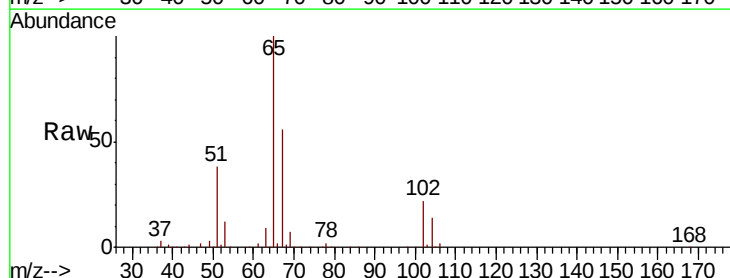
Acq: 13 Feb 2019 13:01

Tgt Ion: 65 Resp: 370060

Ion Ratio Lower Upper

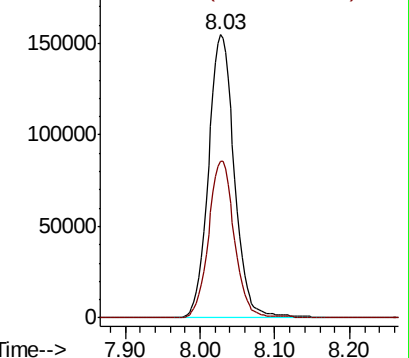
65 100

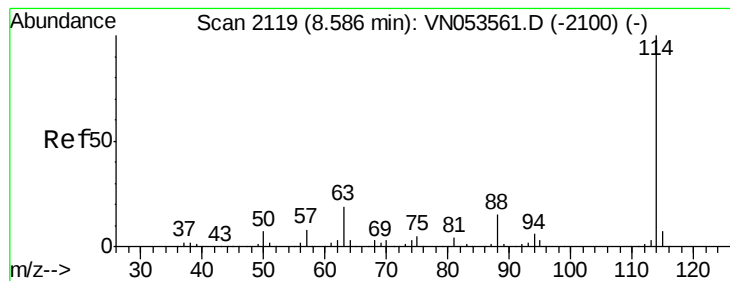
67 55.4 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053750.D

Acq: 13 Feb 2019 13:01

Instrument :

MSVOA_N

ClientSampleId :

JC-02-021119-A

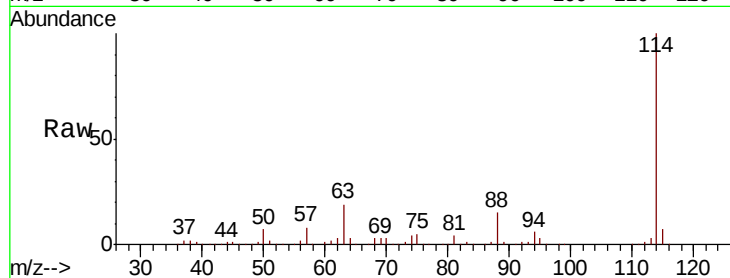
Tot Ion:114 Resp: 1145264

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.6

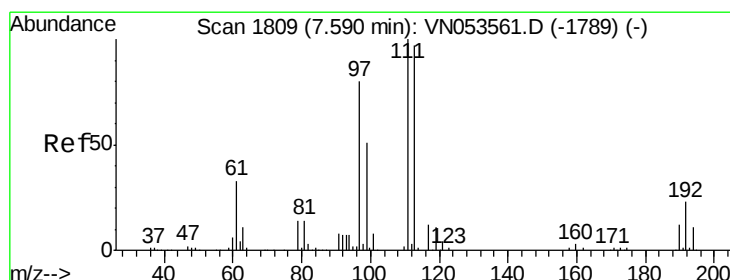
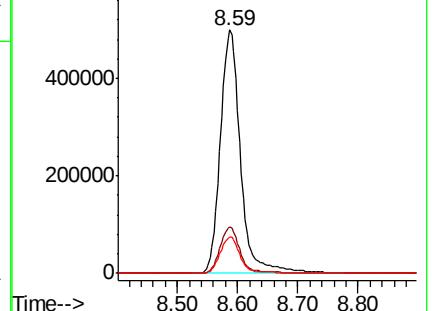
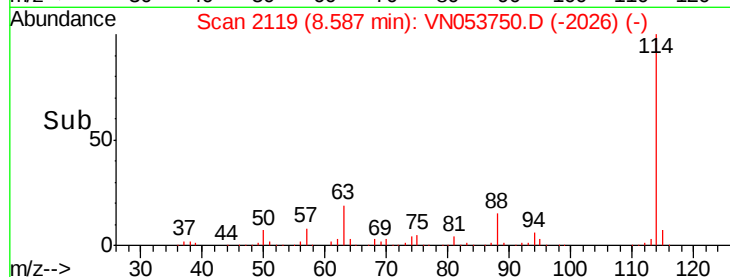
88 15.1 0.0 30.4



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: 50.672 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053750.D

Acq: 13 Feb 2019 13:01

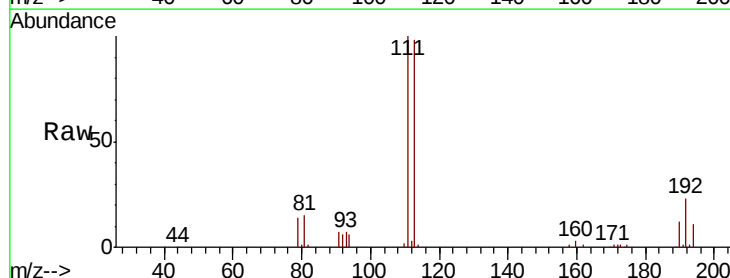
Tgt Ion:113 Resp: 366696

Ion Ratio Lower Upper

113 100

111 102.9 81.1 121.7

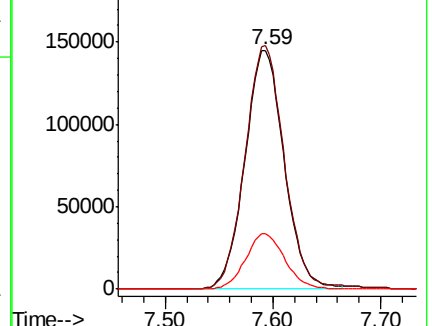
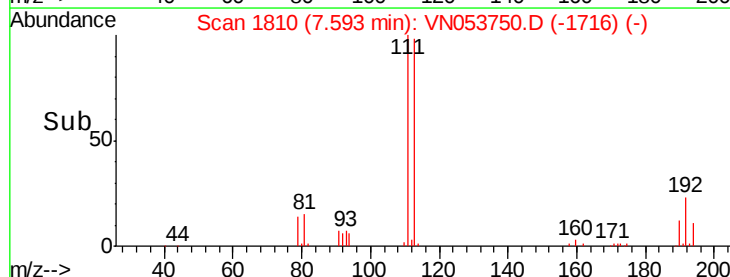
192 23.2 18.2 27.2

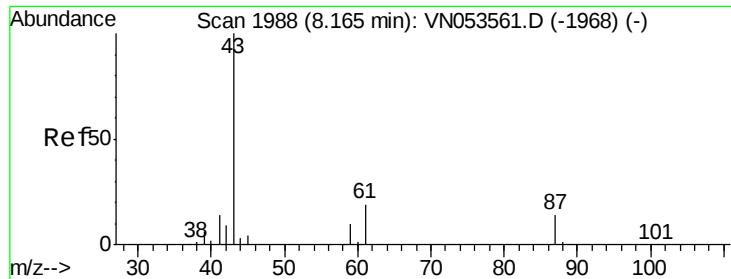


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 2.493 ug/l

RT: 8.18 min Scan# 1991

Delta R.T. 0.01 min

Lab File: VN053750.D

Acq: 13 Feb 2019 13:01

Instrument :

MSVOA_N

ClientSampleId :

JC-02-021119-A

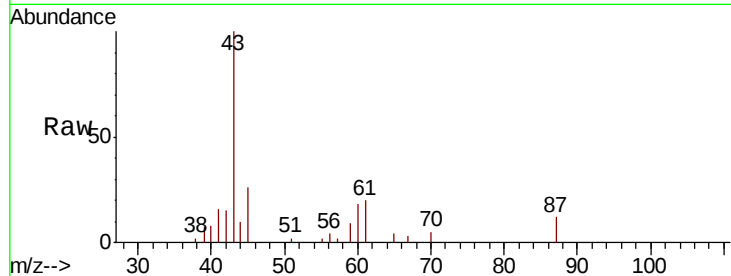
Tot Ion: 43 Resp: 27764

Ion Ratio Lower Upper

43 100

61 20.7 23.9 35.9#

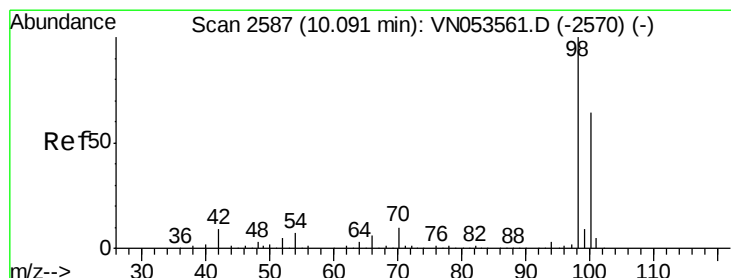
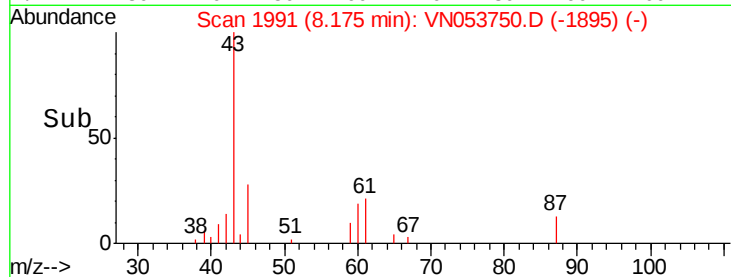
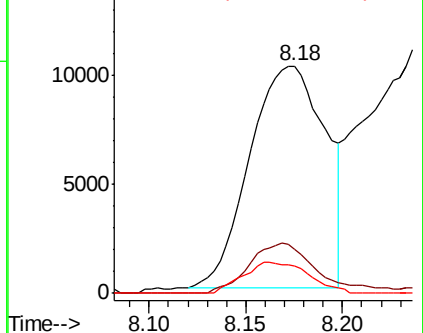
87 12.1 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN053750.D (-2494) (-)

Ion 61.00 (60.70 to 61.70): VN053750.D (-2494) (-)

Ion 87.00 (86.70 to 87.70): VN053750.D (-2494) (-)



#50

Toluene-d8

Concen: 51.394 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053750.D

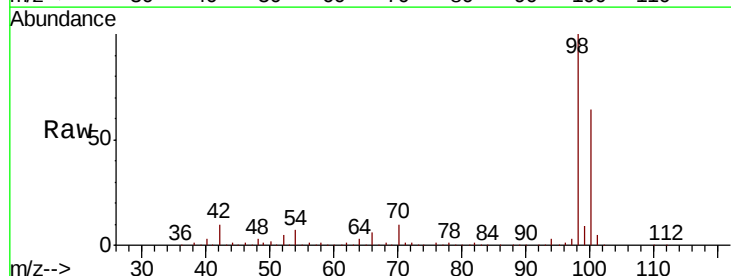
Acq: 13 Feb 2019 13:01

Tgt Ion: 98 Resp: 1396480

Ion Ratio Lower Upper

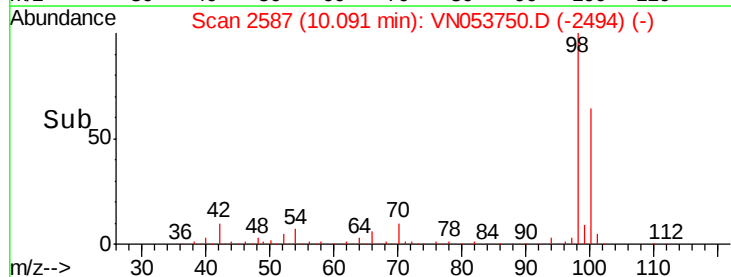
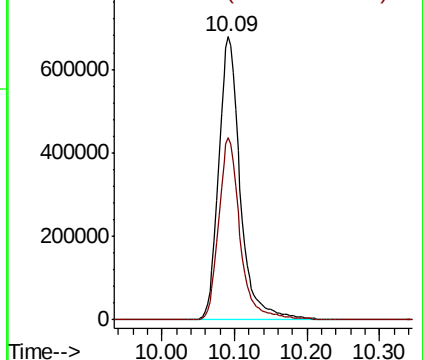
98 100

100 64.0 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053750.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN053750.D (-2494) (-)





#62

4-Bromofluorobenzene

Concen: 51.099 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053750.D

Acq: 13 Feb 2019 13:01

Instrument :

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ClientSampleId :

JC-02-021119-A

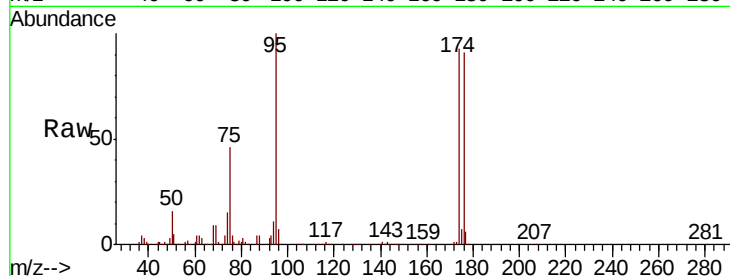
Tot Ion: 95 Resp: 463073

Ion Ratio Lower Upper

95 100

174 94.0 0.0 183.2

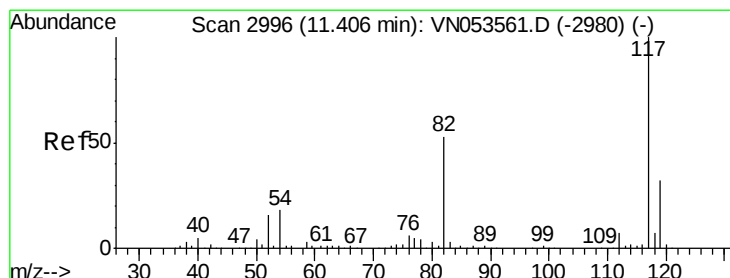
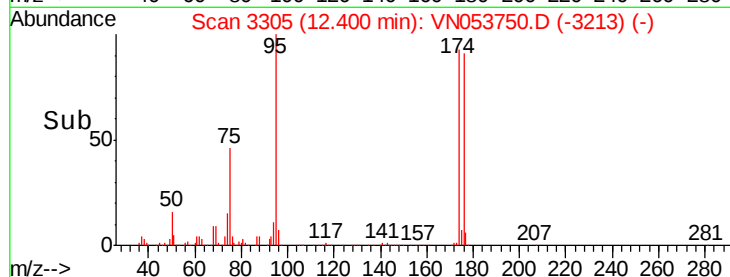
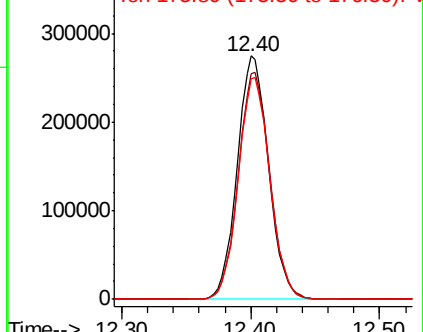
176 92.0 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN053750.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN053750.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN053750.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN053750.D

Acq: 13 Feb 2019 13:01

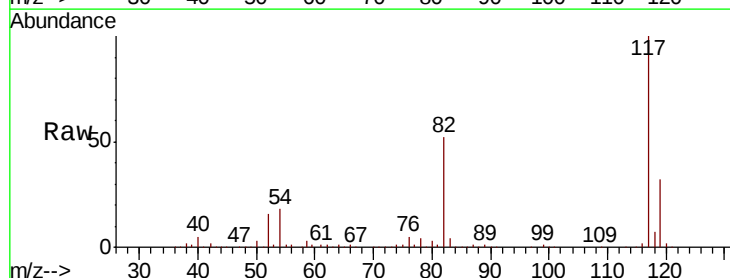
Tgt Ion: 117 Resp: 1077233

Ion Ratio Lower Upper

117 100

82 51.9 42.9 64.3

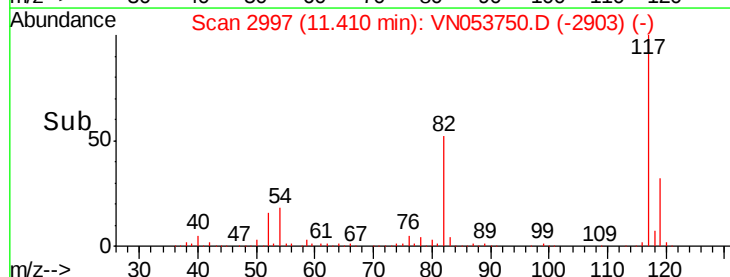
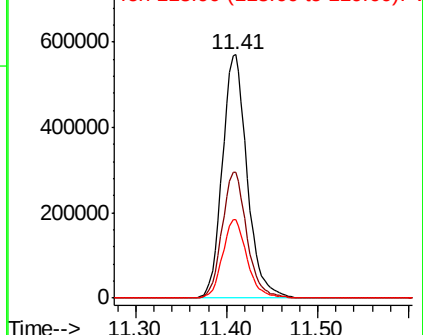
119 32.0 26.0 39.0

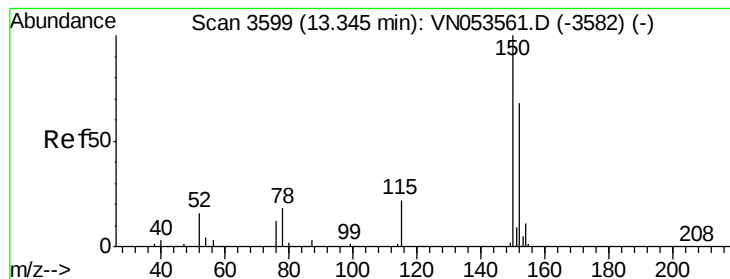


Abundance Ion 116.90 (116.60 to 117.60): VN053750.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN053750.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN053750.D (-2903) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053750.D

Acq: 13 Feb 2019 13:01

Instrument :

MSVOA_N

ClientSampleId :

JC-02-021119-A

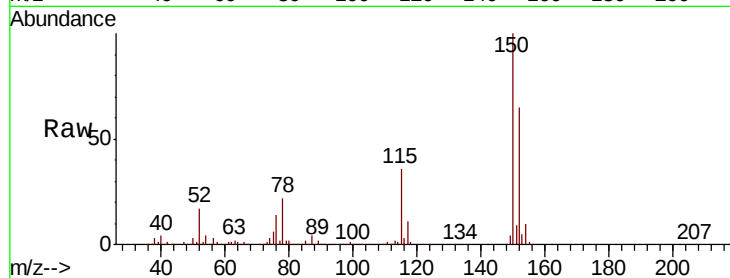
Tot Ion:152 Resp: 448437

Ion Ratio Lower Upper

152 100

115 54.8 27.8 83.4

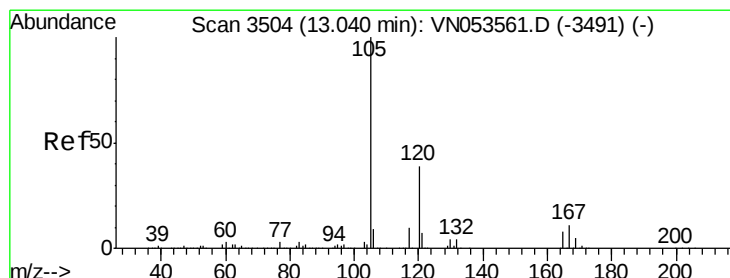
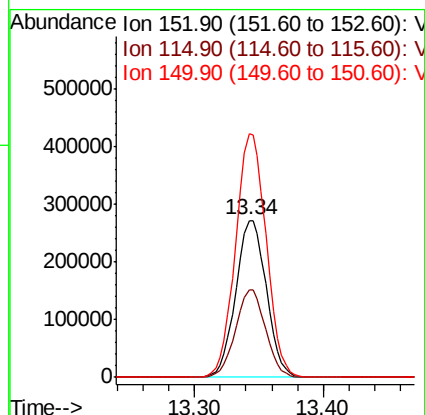
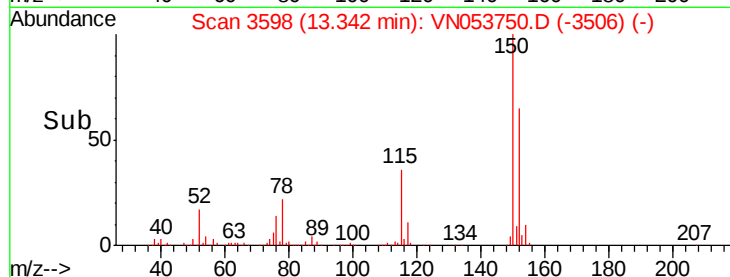
150 155.3 0.0 349.0



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: 1.108 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053750.D

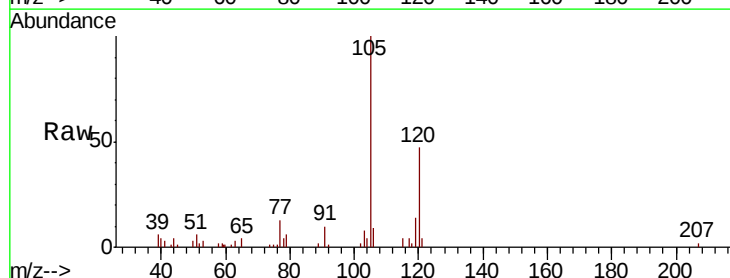
Acq: 13 Feb 2019 13:01

Tgt Ion:105 Resp: 29516

Ion Ratio Lower Upper

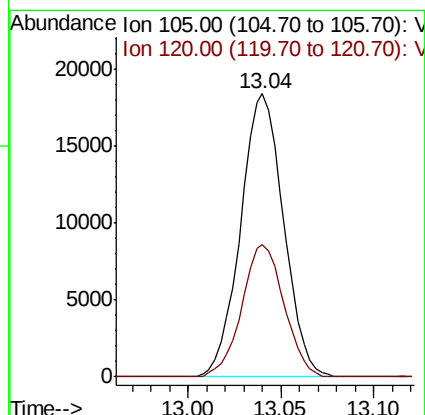
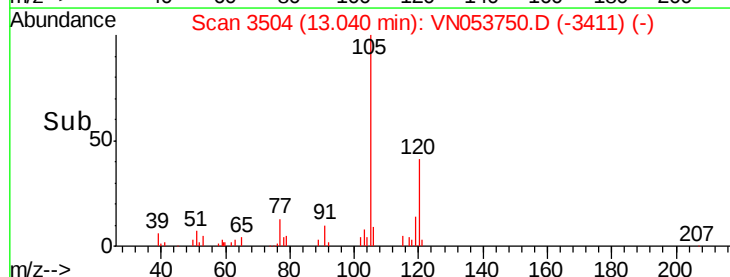
105 100

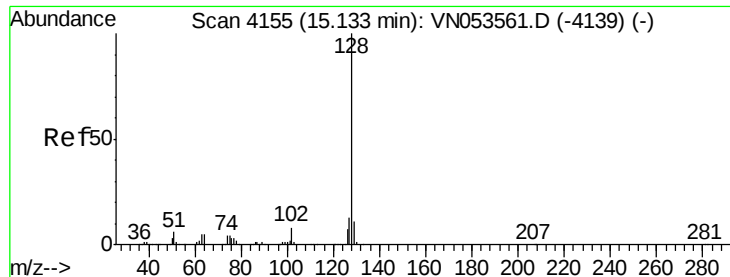
120 45.8 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 2.315 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053750.D

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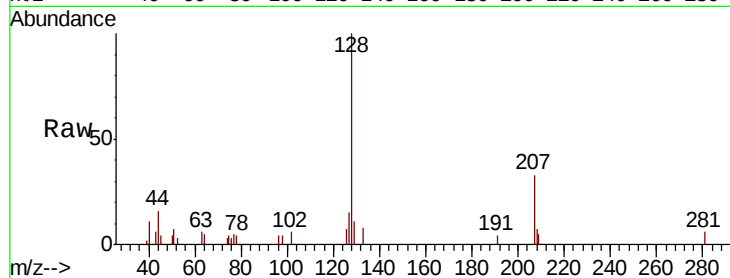
Tot Ion:128 Resp: 11806

Ion Ratio Lower Upper

128 100

127 12.5 10.3 15.5

129 9.1 8.6 13.0



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

