

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011819\
 Data File : VN053487.D
 Acq On : 18 Jan 2019 21:58
 Operator : JC/SP
 Sample : K1173-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 RT-5124

Quant Time: Jan 19 01:27:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	869972	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1374368	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1314961	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	602635	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	453786	52.77	ug/l	0.00
Spiked Amount			Recovery	=	105.54%	
35) Dibromofluoromethane	7.59	113	401122	51.14	ug/l	0.00
Spiked Amount			Recovery	=	102.28%	
50) Toluene-d8	10.09	98	1715548	51.72	ug/l	0.00
Spiked Amount			Recovery	=	103.44%	
62) 4-Bromofluorobenzene	12.40	95	605372	52.04	ug/l	0.00
Spiked Amount			Recovery	=	104.08%	

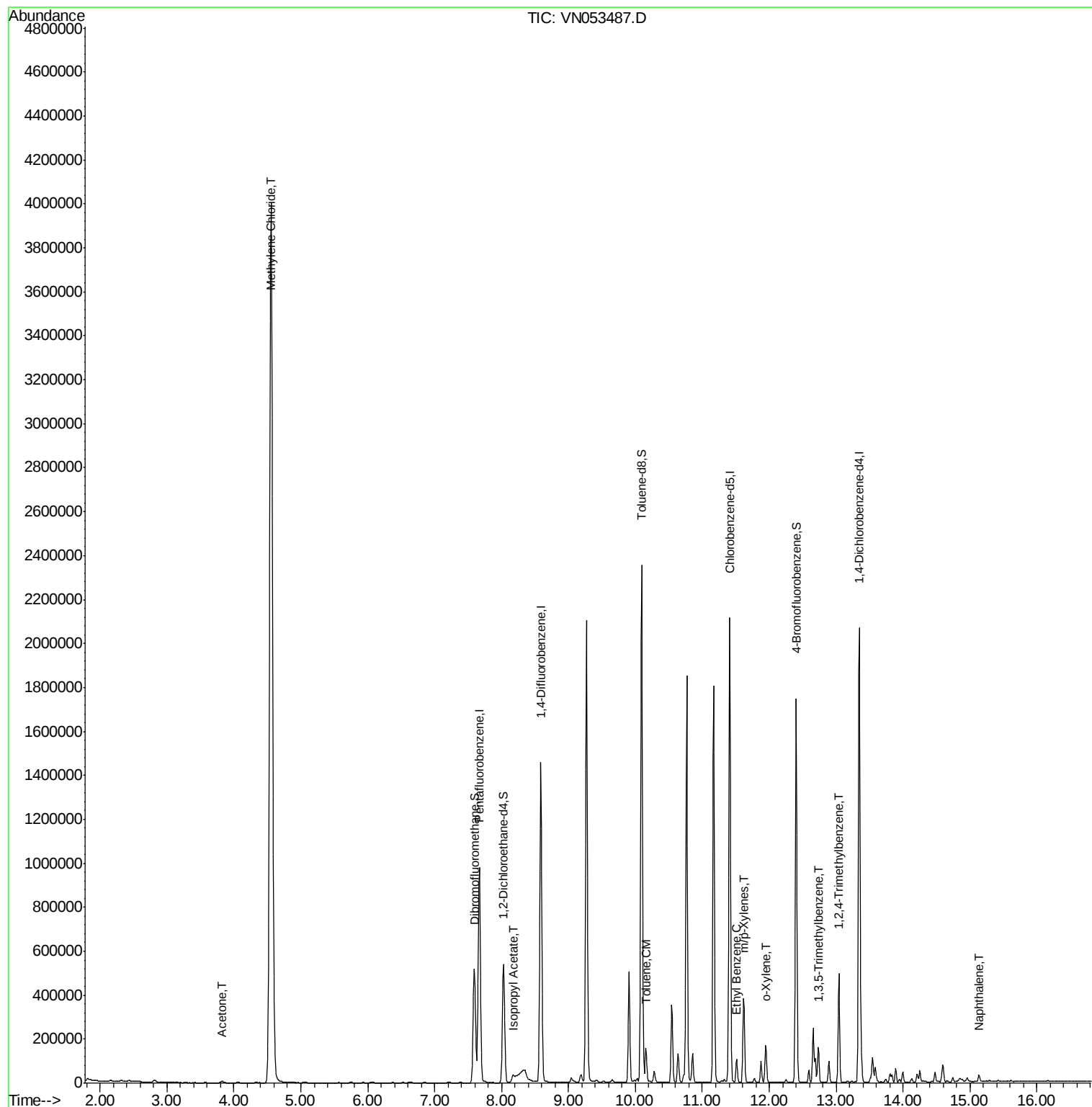
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	12481	6.187	ug/l	91
20) Methylene Chloride	4.55	84	3178198	345.056	ug/l	100
43) Isopropyl Acetate	8.17	43	49113	3.793	ug/l #	76
52) Toluene	10.16	92	68464	2.899	ug/l	97
67) Ethyl Benzene	11.51	91	74536	1.571	ug/l	99
68) m/p-Xylenes	11.62	106	126065	7.039	ug/l	99
69) o-Xylene	11.95	106	48968	2.814	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	89793	2.501	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	287074	7.929	ug/l	99
95) Naphthalene	15.13	128	26741	5.630	ug/l	97

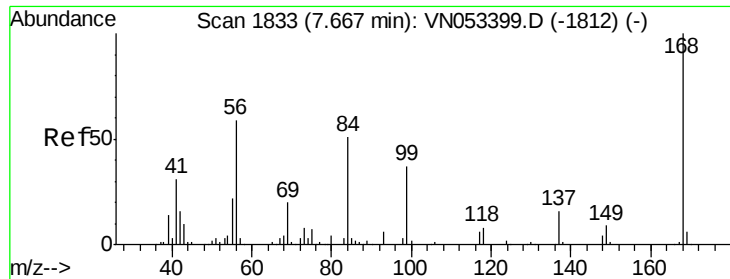
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jan 16 03:10:53 2019
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: VN053487.D

Acq: 18 Jan 2019 21:58

Instrument :

MSVOA_N

ClientSampled :

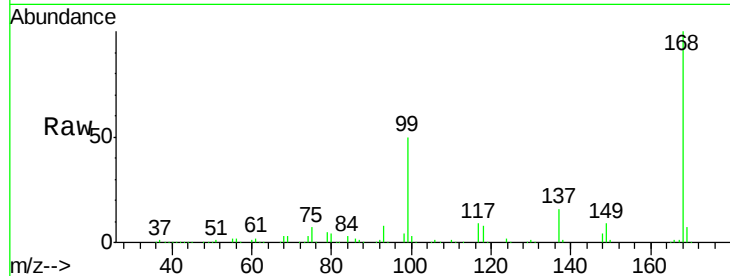
RT-5124

Tot Ion:168 Resp: 869972

Ion Ratio Lower Upper

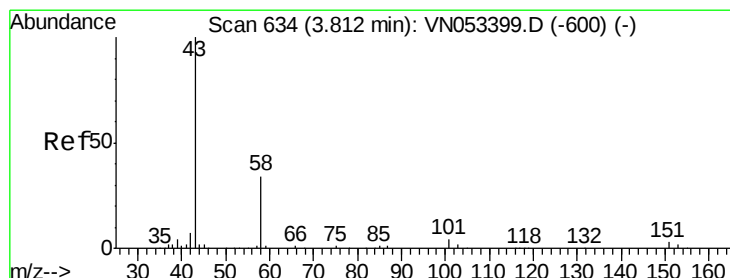
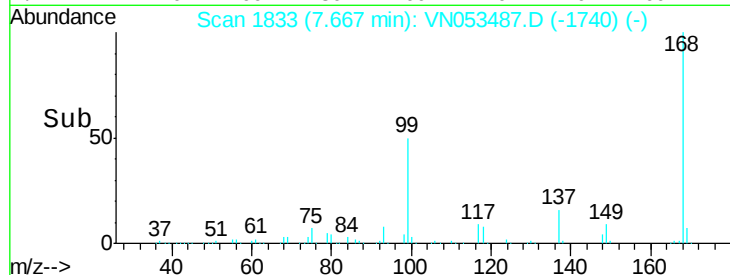
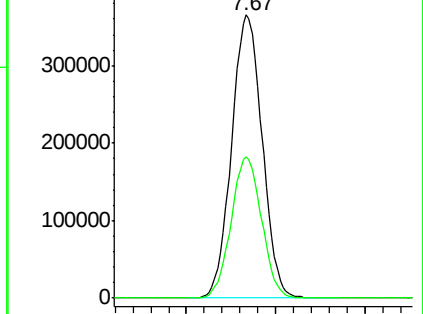
168 100

99 50.1 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 6.187 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN053487.D

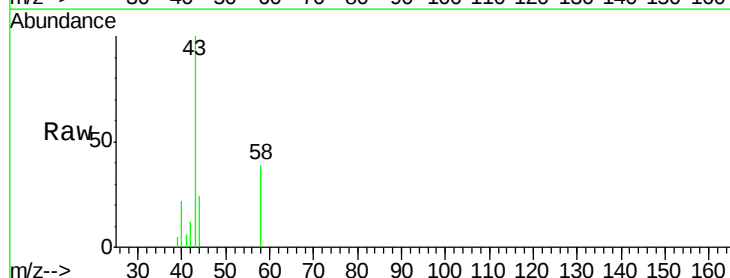
Acq: 18 Jan 2019 21:58

Tgt Ion: 43 Resp: 12481

Ion Ratio Lower Upper

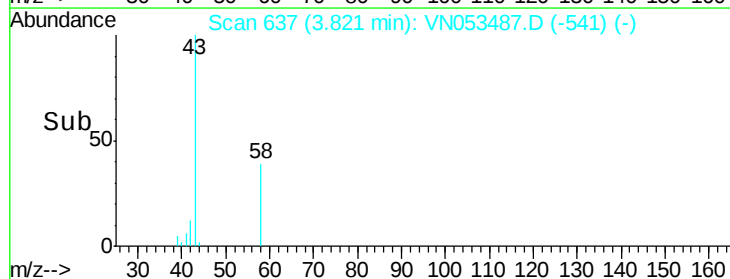
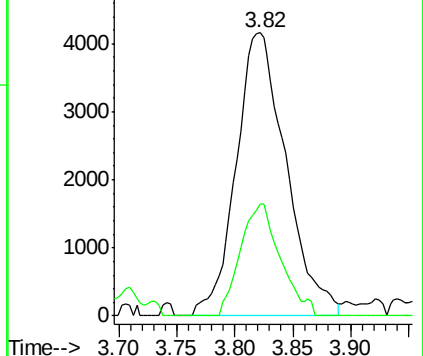
43 100

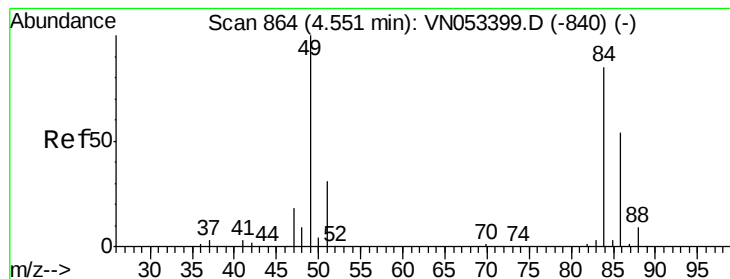
58 39.3 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#20

Methylene Chloride

Concen: 345.056 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN053487.D

Acq: 18 Jan 2019 21:58

Instrument :

MSVOA_N

ClientSampled :

RT-5124

Tot Ion: 84 Resp: 3178198

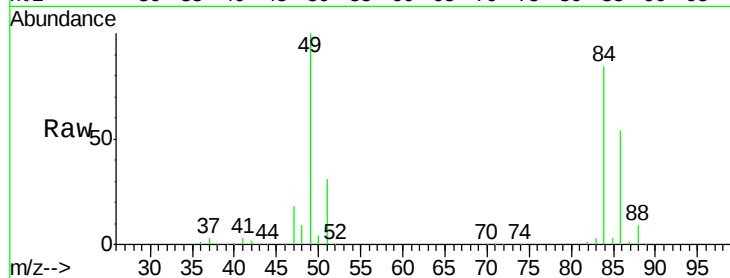
Ion Ratio Lower Upper

84 100

49 118.5 94.3 141.5

51 36.7 29.4 44.2

86 64.2 51.4 77.0

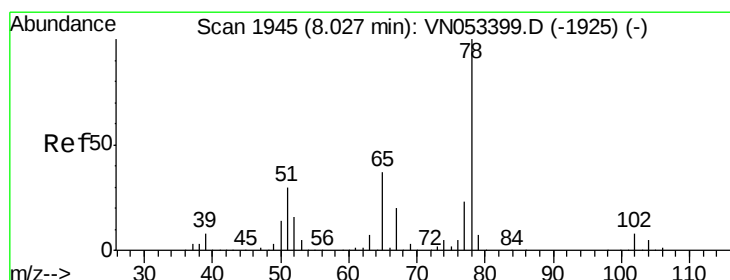
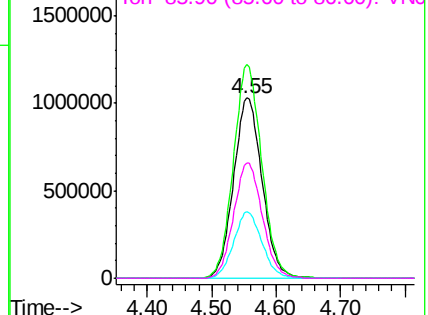
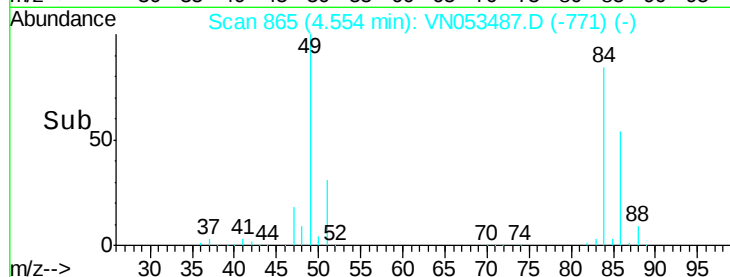


Abundance Ion 83.90 (83.60 to 84.60): VN0

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: N.D. ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN053487.D

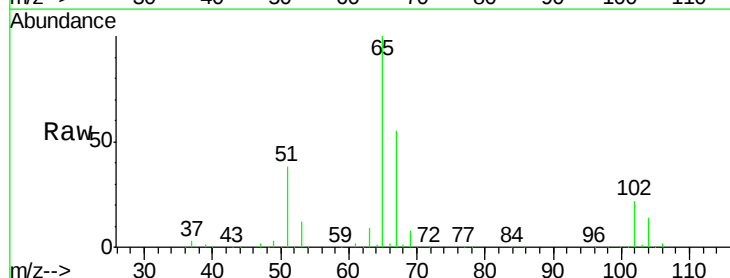
Acq: 18 Jan 2019 21:58

Tgt Ion: 65 Resp: 453786

Ion Ratio Lower Upper

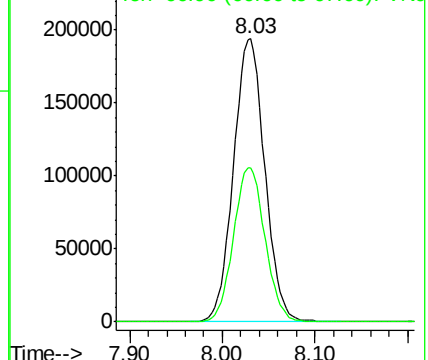
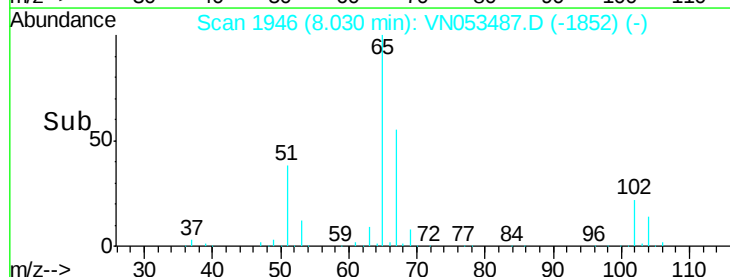
65 100

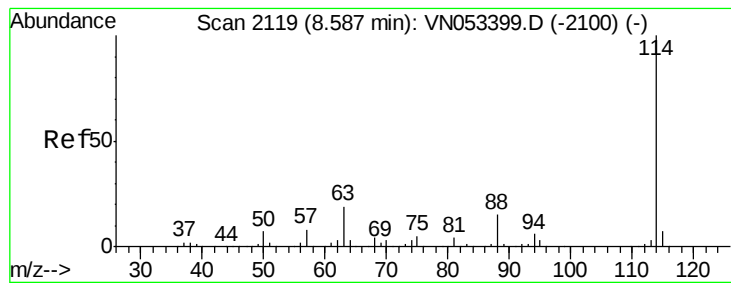
67 54.8 0.0 111.2



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: VN053487.D

Acq: 18 Jan 2019 21:58

Instrument :

MSVOA_N

ClientSampleId :

RT-5124

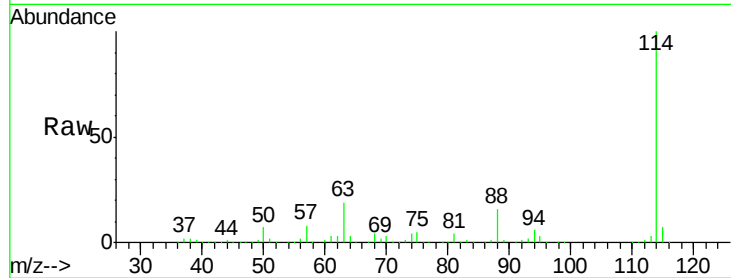
Tot Ion:114 Resp: 1374368

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.6

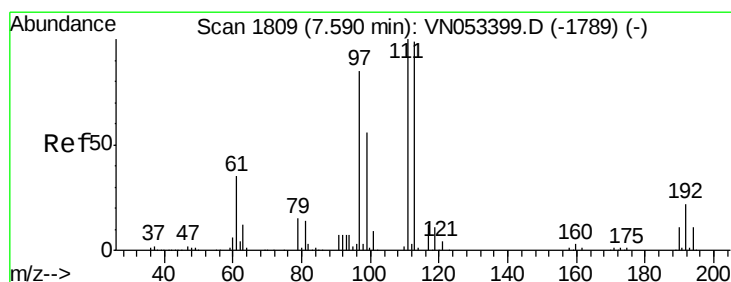
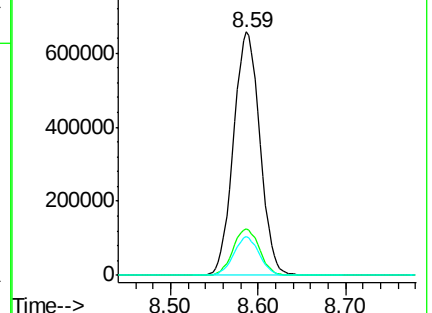
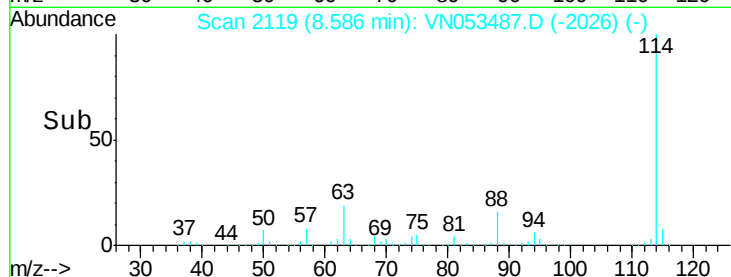
88 15.7 0.0 30.4



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: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053487.D

Acq: 18 Jan 2019 21:58

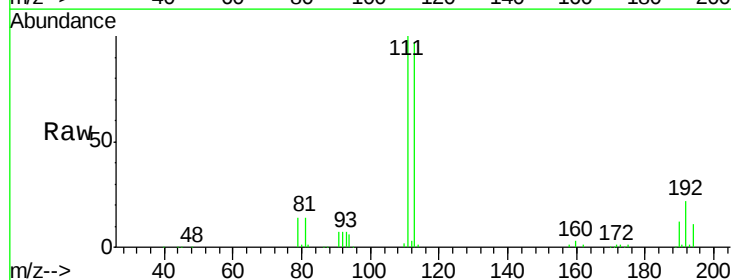
Tgt Ion:113 Resp: 401122

Ion Ratio Lower Upper

113 100

111 102.1 81.1 121.7

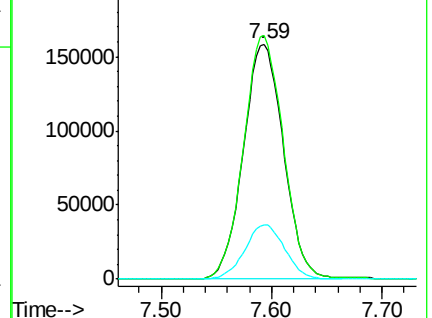
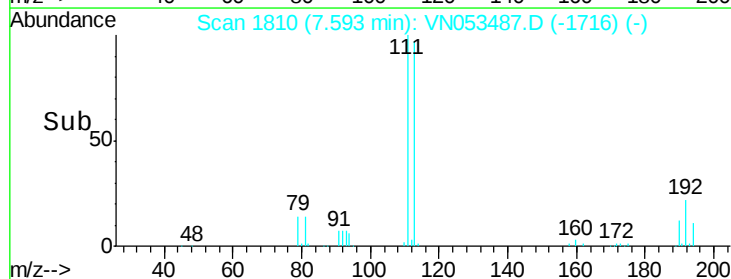
192 23.1 18.2 27.2

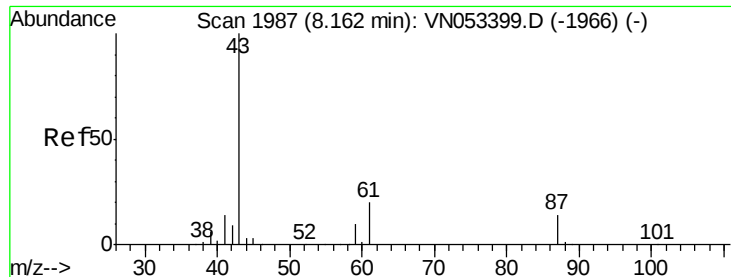


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 3.793 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN053487.D

Acq: 18 Jan 2019 21:58

Instrument :

MSVOA_N

ClientSampleId :

RT-5124

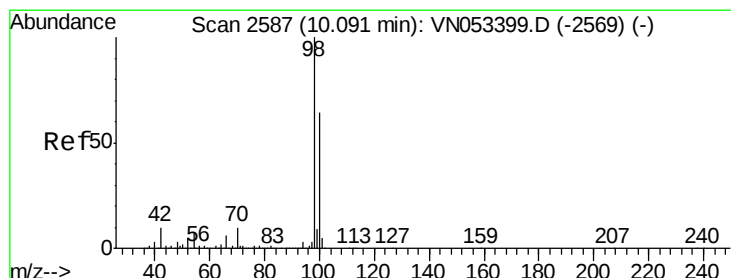
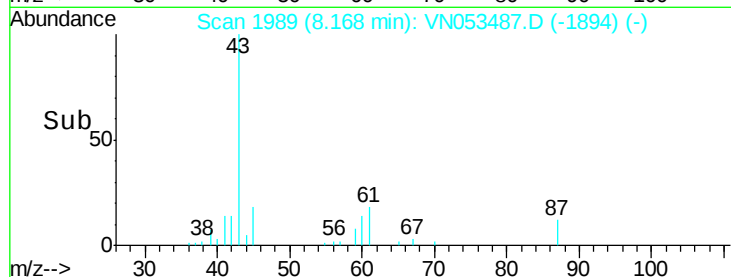
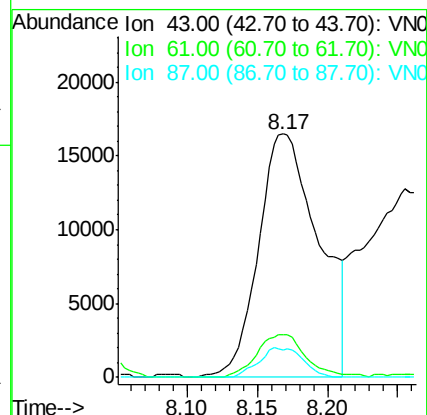
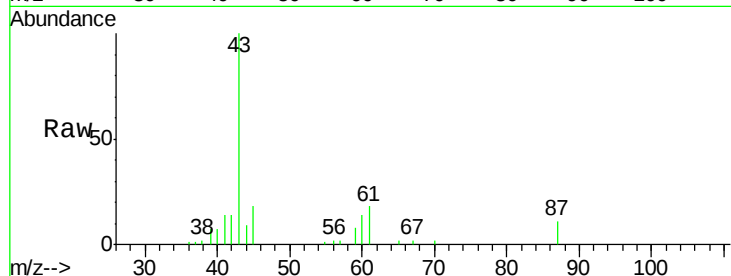
Tot Ion: 43 Resp: 49113

Ion Ratio Lower Upper

43 100

61 14.3 23.9 35.9#

87 8.9 11.0 16.6#



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053487.D

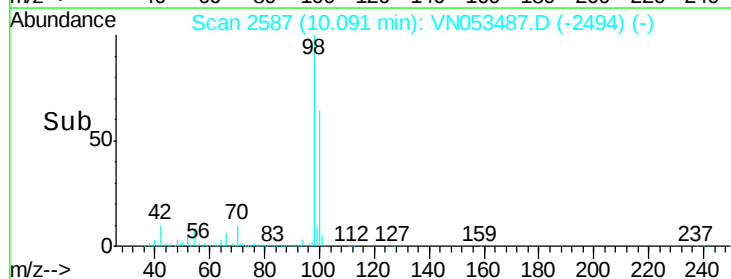
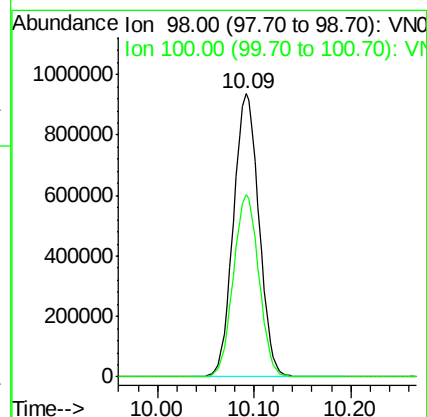
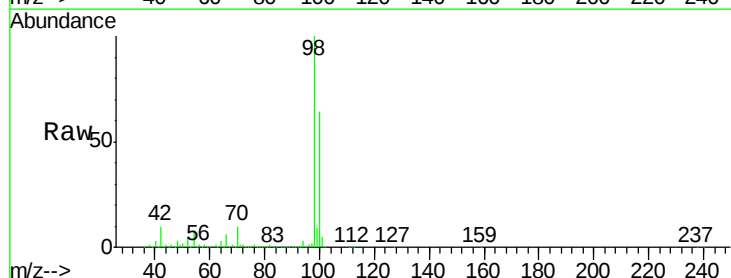
Acq: 18 Jan 2019 21:58

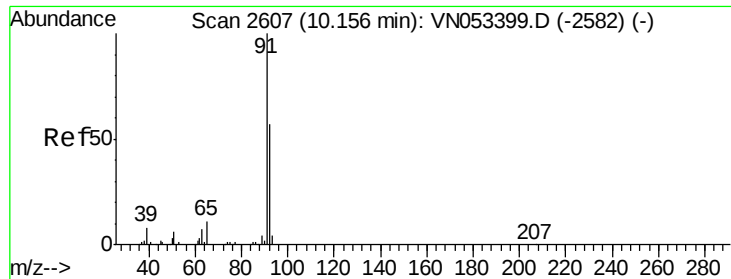
Tgt Ion: 98 Resp: 1715548

Ion Ratio Lower Upper

98 100

100 64.3 51.4 77.0





#52

Toluene

Concen: 2.899 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053487.D

Acq: 18 Jan 2019 21:58

Instrument :

MSVOA_N

ClientSampleId :

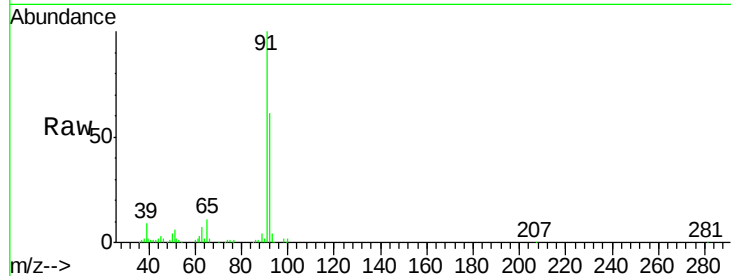
RT-5124

Tot Ion: 92 Resp: 68464

Ion Ratio Lower Upper

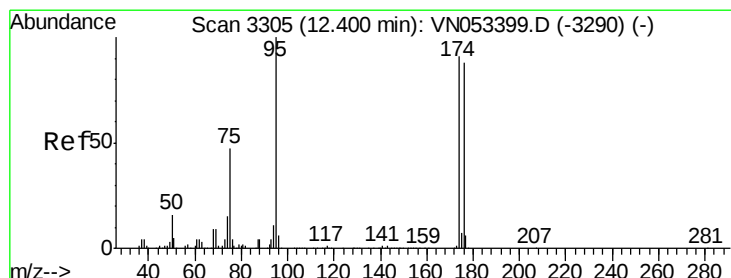
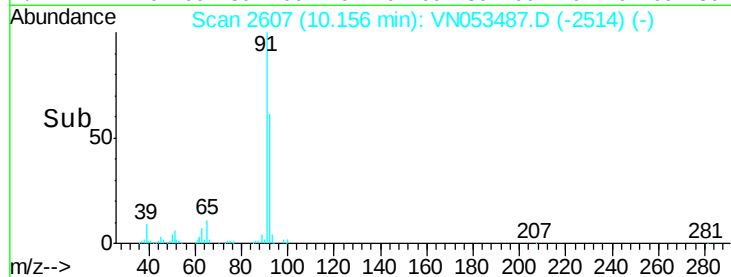
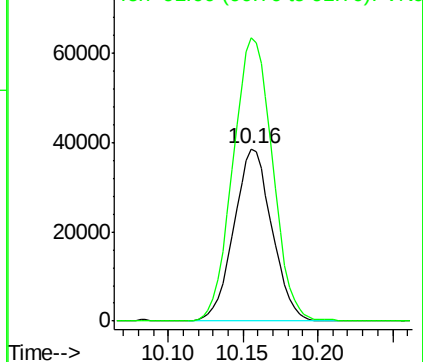
92 100

91 170.8 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053487.D

Acq: 18 Jan 2019 21:58

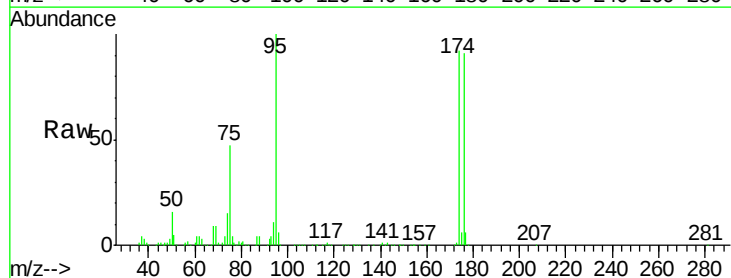
Tgt Ion: 95 Resp: 605372

Ion Ratio Lower Upper

95 100

174 91.6 0.0 183.2

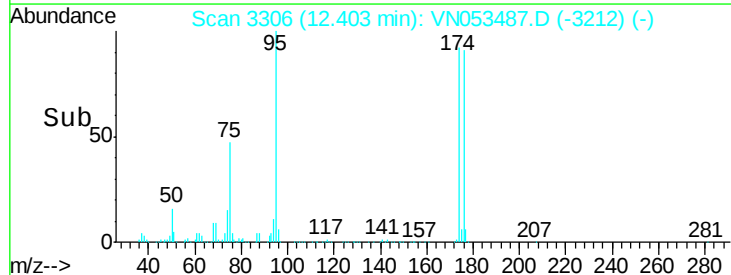
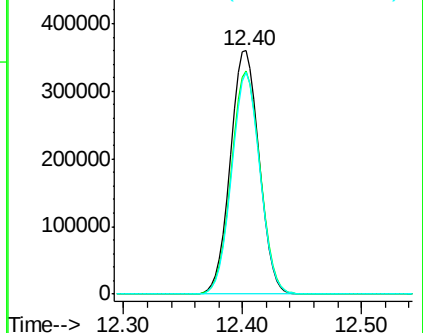
176 89.1 0.0 177.4

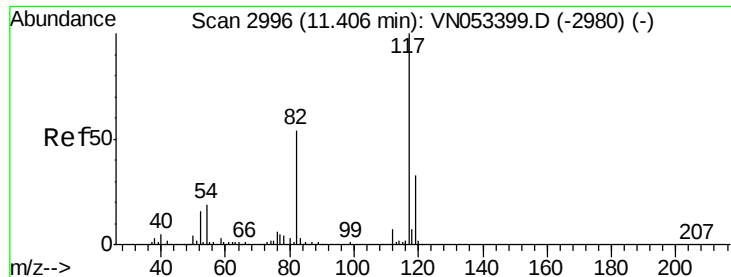


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

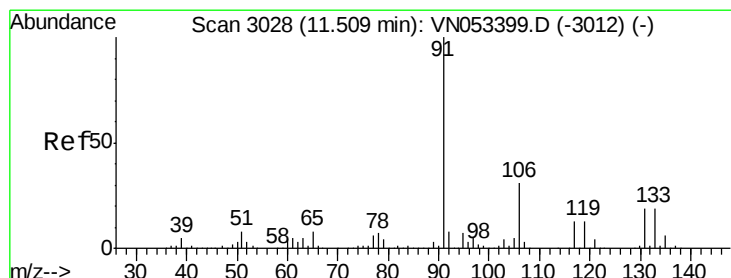
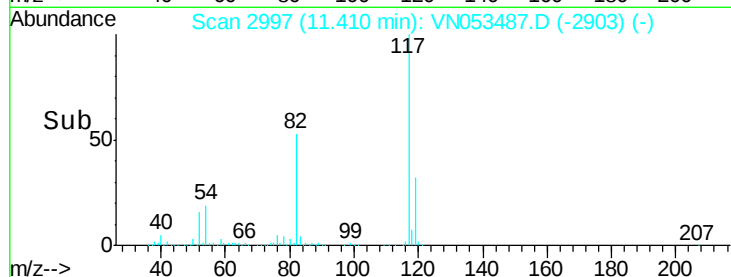
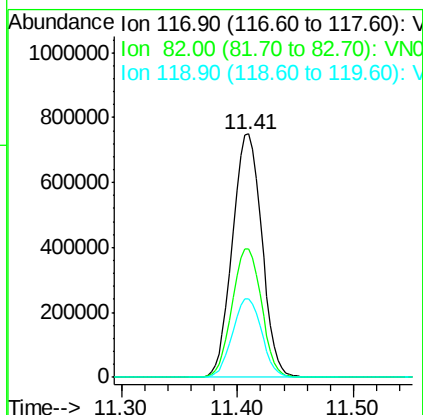
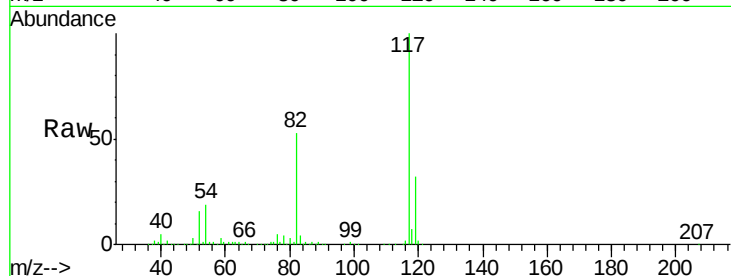




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053487.D
Acq: 18 Jan 2019 21:58

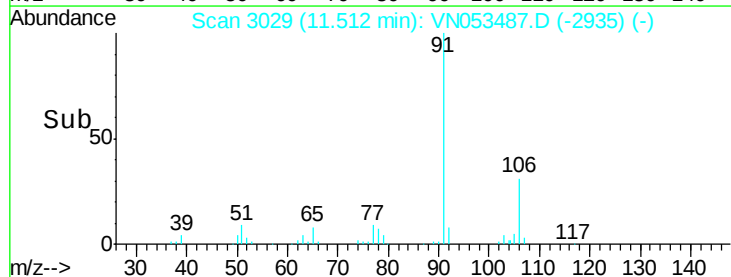
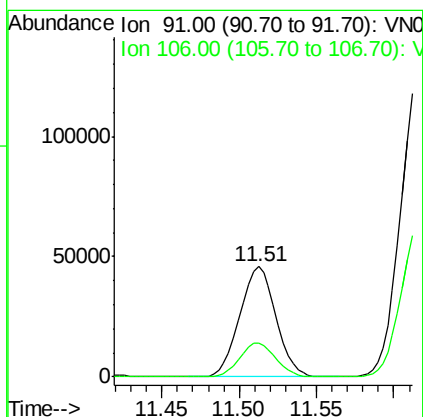
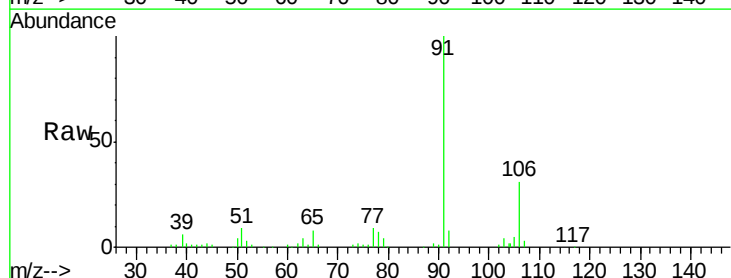
Instrument :
MSVOA_N
ClientSampled :
RT-5124

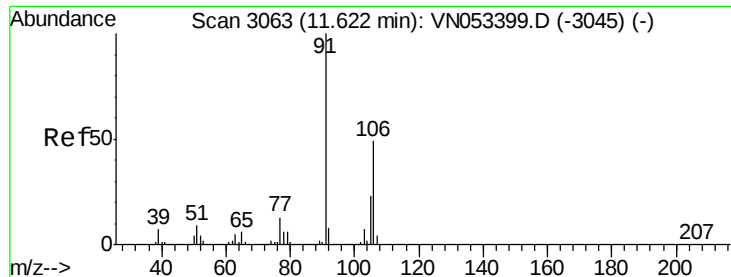
Tot Ion:117 Resp: 1314961
Ion Ratio Lower Upper
117 100
82 52.9 42.9 64.3
119 32.4 26.0 39.0



#67
Ethyl Benzene
Concen: 1.571 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053487.D
Acq: 18 Jan 2019 21:58

Tgt Ion: 91 Resp: 74536
Ion Ratio Lower Upper
91 100
106 30.9 25.0 37.6

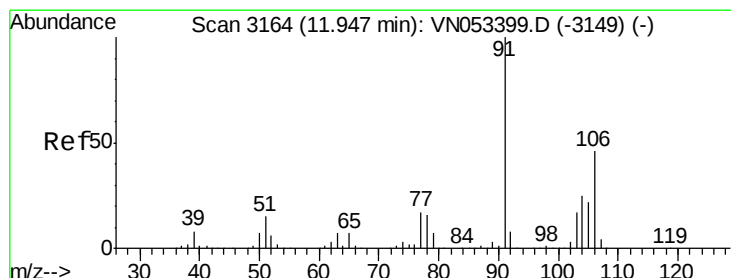
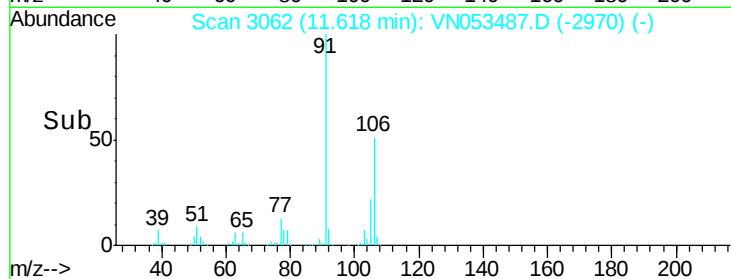
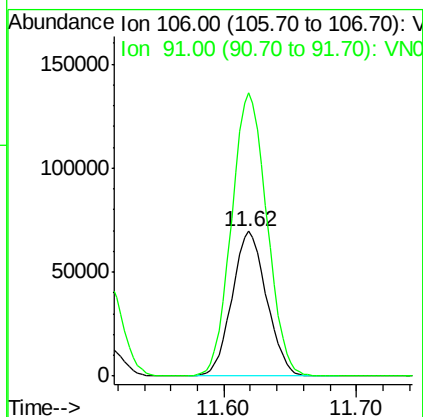
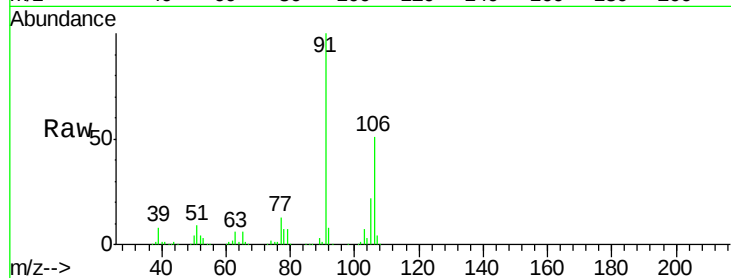




#68
m/p-Xylenes
Concen: 7.039 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053487.D
Acq: 18 Jan 2019 21:58

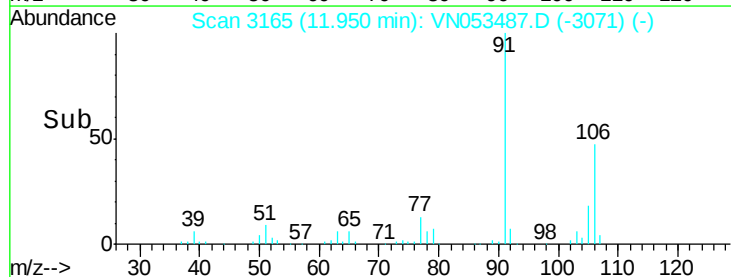
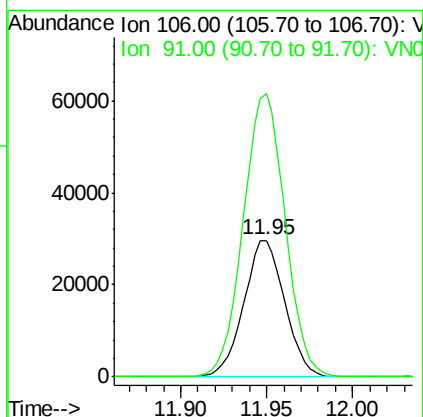
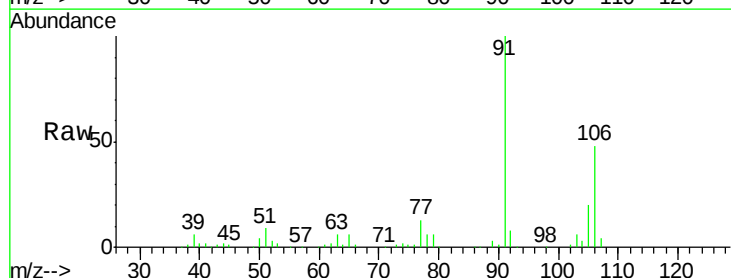
Instrument :
MSVOA_N
ClientSampled :
RT-5124

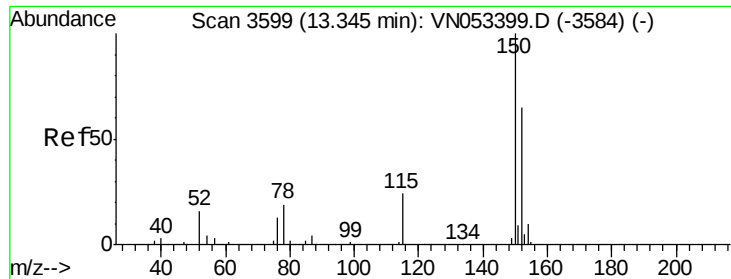
Tot Ion:106 Resp: 126065
Ion Ratio Lower Upper
106 100
91 199.9 161.4 242.2



#69
o-Xylene
Concen: 2.814 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053487.D
Acq: 18 Jan 2019 21:58

Tgt Ion:106 Resp: 48968
Ion Ratio Lower Upper
106 100
91 212.6 106.9 320.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN053487.D

Acq: 18 Jan 2019 21:58

Instrument :

MSVOA_N

ClientSampleId :

RT-5124

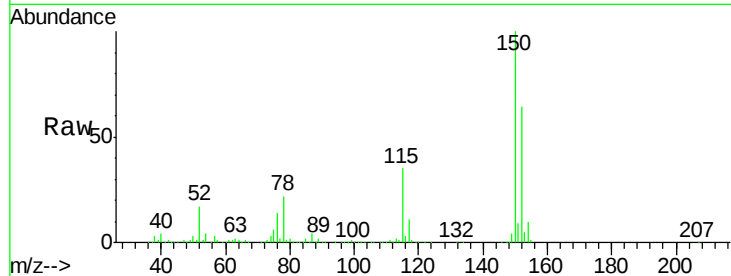
Tot Ion:152 Resp: 602635

Ion Ratio Lower Upper

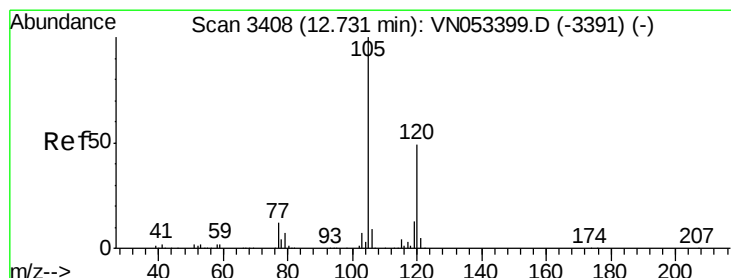
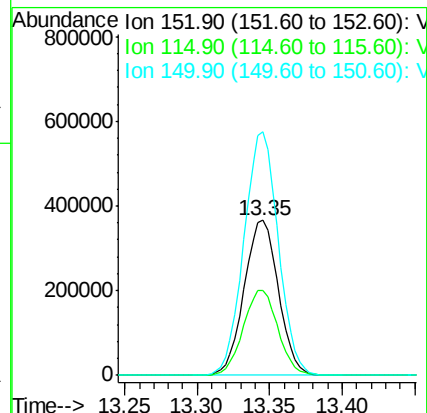
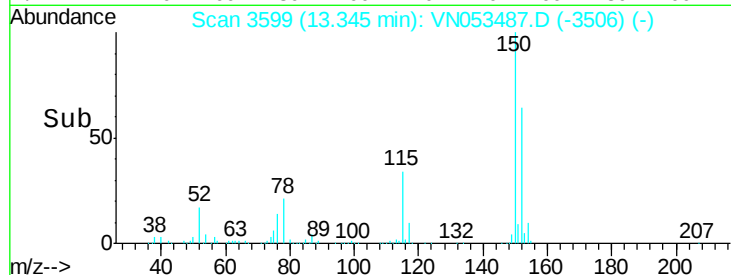
152 100

115 55.9 27.8 83.4

150 156.9 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



#80

1,3,5-Trimethylbenzene

Concen: 2.501 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053487.D

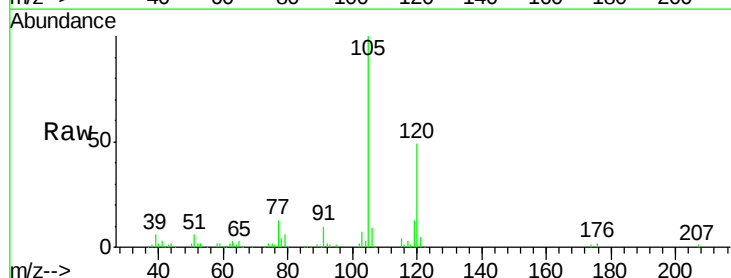
Acq: 18 Jan 2019 21:58

Tgt Ion:105 Resp: 89793

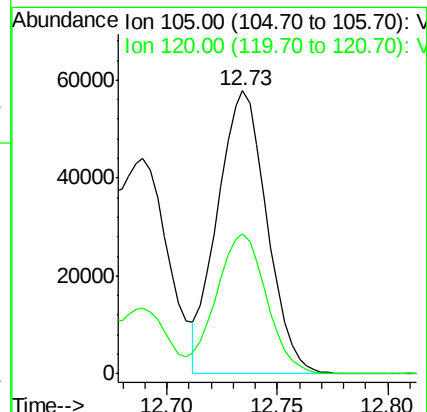
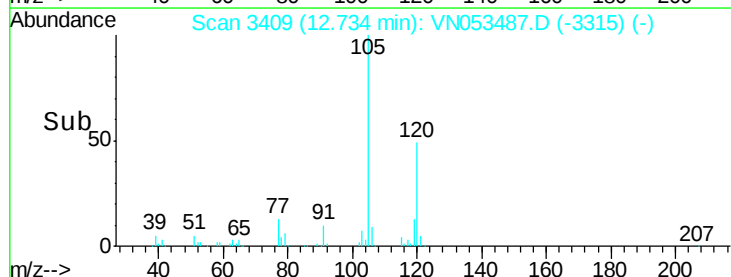
Ion Ratio Lower Upper

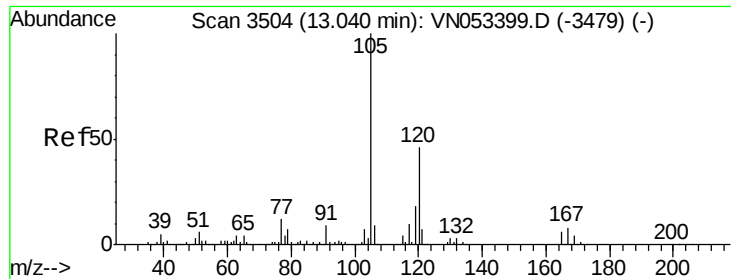
105 100

120 50.3 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

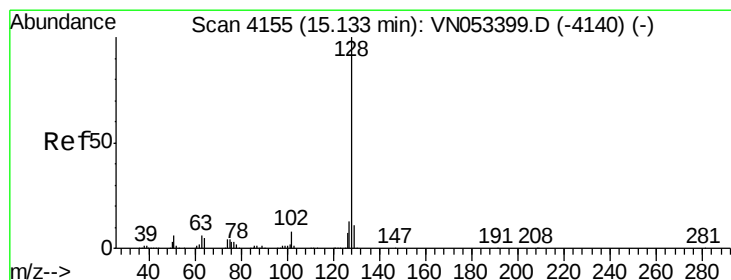
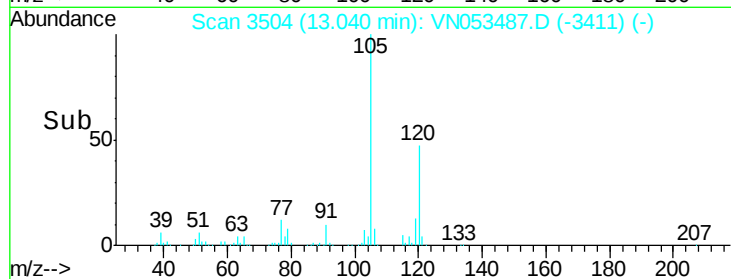
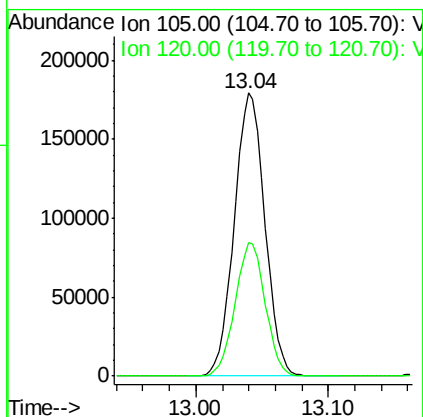
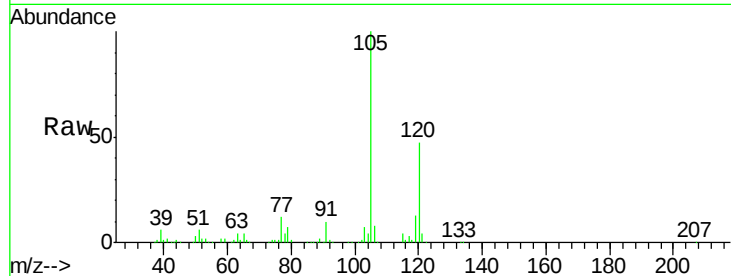




#84
 1,2,4-Trimethylbenzene
 Concen: 7.929 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053487.D
 Acq: 18 Jan 2019 21:58

Instrument :
 MSVOA_N
 ClientSampled :
 RT-5124

Tot Ion:105 Resp: 287074
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.0 69.0



#95
 Naphthalene
 Concen: 5.630 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN053487.D
 Acq: 18 Jan 2019 21:58

Tgt Ion:128 Resp: 26741
 Ion Ratio Lower Upper
 128 100
 127 11.2 10.3 15.5
 129 10.6 8.6 13.0

