

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012819\
 Data File : VN053538.D
 Acq On : 28 Jan 2019 11:54
 Operator : JC/SP
 Sample : K1256-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 30176

Quant Time: Jan 29 07:08:25 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	839822	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1342105	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1235135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	577963	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	435316	52.44	ug/l	0.00
Spiked Amount			Recovery	=	104.88%	
35) Dibromofluoromethane	7.59	113	419436	54.76	ug/l	0.00
Spiked Amount			Recovery	=	109.52%	
50) Toluene-d8	10.09	98	1616896	49.91	ug/l	0.00
Spiked Amount			Recovery	=	99.82%	
62) 4-Bromofluorobenzene	12.40	95	574058	50.54	ug/l	0.00
Spiked Amount			Recovery	=	101.08%	

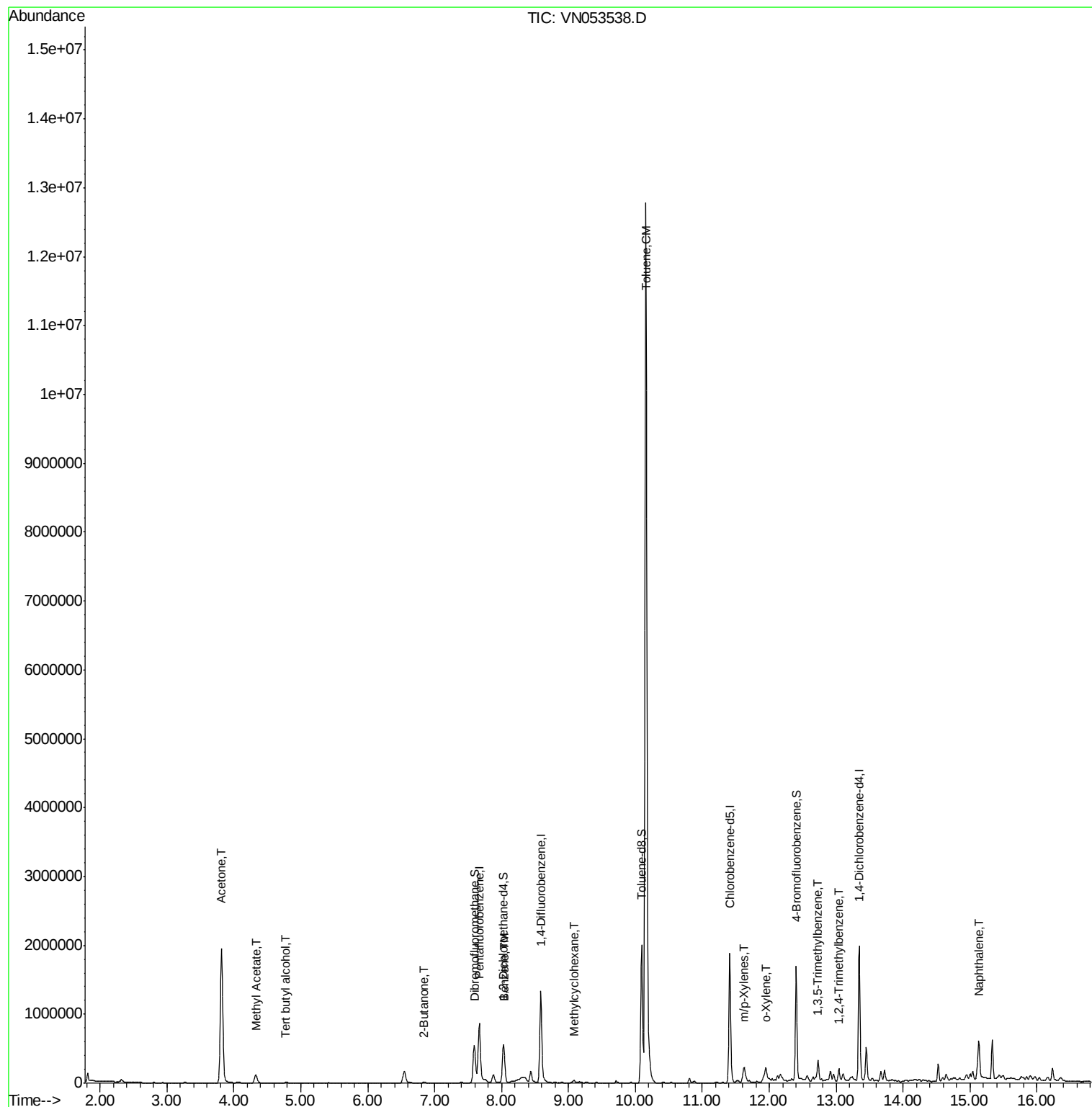
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.79	59	17698	43.572	ug/l #	82
16) Acetone	3.82	43	3249572	1668.566	ug/l	99
18) Methyl Acetate	4.33	43	227112	34.613	ug/l	98
25) 2-Butanone	6.84	43	18078	6.024	ug/l	99
39) Methylcyclohexane	9.09	83	16843	1.115	ug/l	98
40) Benzene	8.04	78	79194	2.132	ug/l	96
52) Toluene	10.16	92	6346429	275.227	ug/l	99
68) m/p-Xylenes	11.62	106	66789	3.970	ug/l	97
69) o-Xylene	11.95	106	46888	2.868	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	36727	1.067	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	103416	2.978	ug/l	97
95) Naphthalene	15.13	128	484041	35.854	ug/l	100

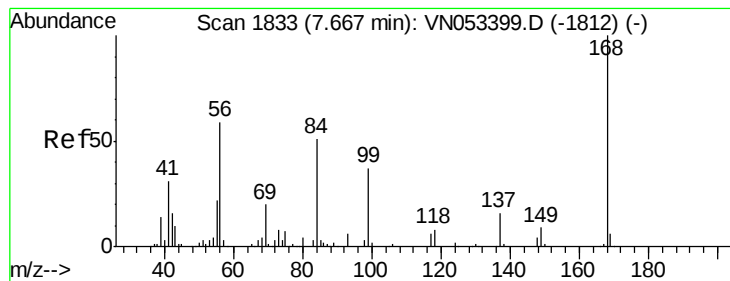
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN053538.D

Acq: 28 Jan 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

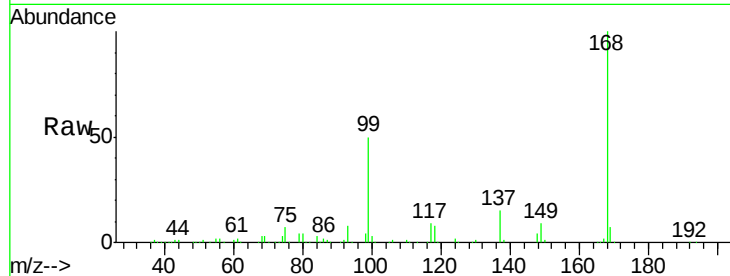
30176

Tot Ion:168 Resp: 839822

Ion Ratio Lower Upper

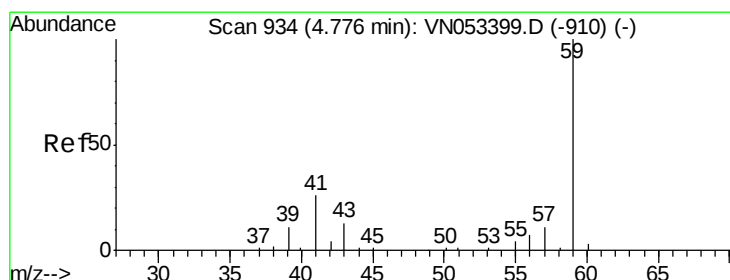
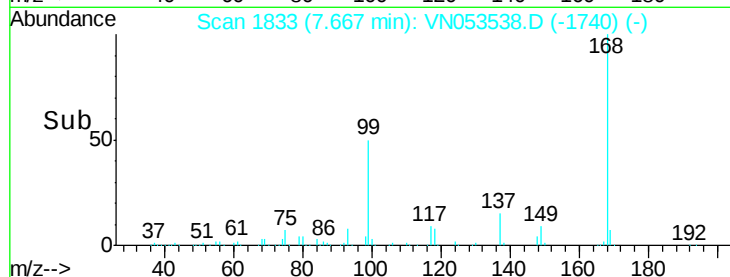
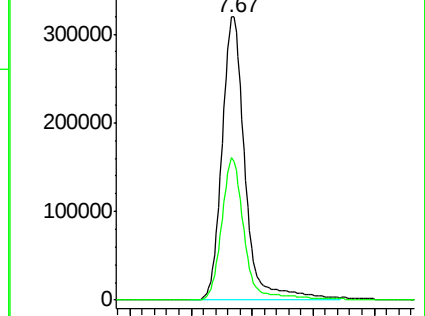
168 100

99 50.2 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 43.572 ug/l

RT: 4.79 min Scan# 937

Delta R.T. 0.01 min

Lab File: VN053538.D

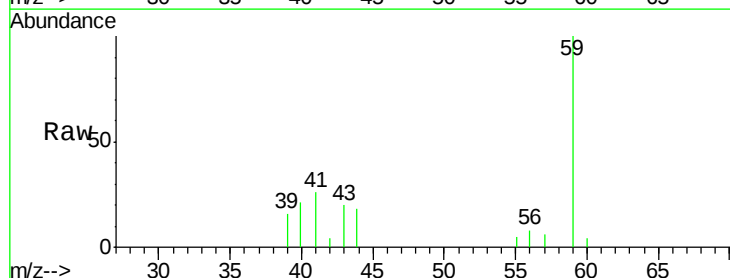
Acq: 28 Jan 2019 11:54

Tgt Ion: 59 Resp: 17698

Ion Ratio Lower Upper

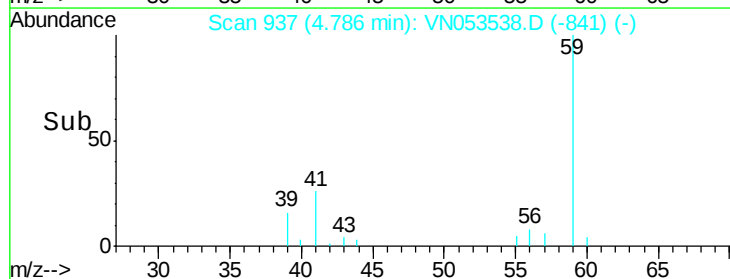
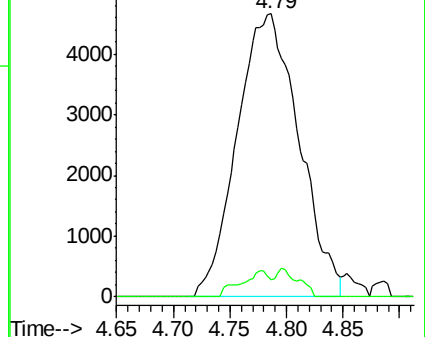
59 100

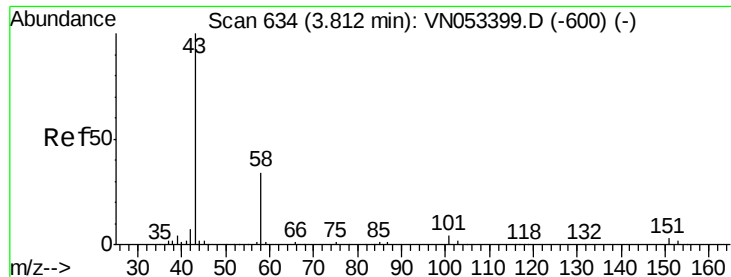
57 3.7 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#16

Acetone

Concen: 1668.566 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053538.D

Acq: 28 Jan 2019 11:54

Instrument :

MSVOA_N

ClientSampled :

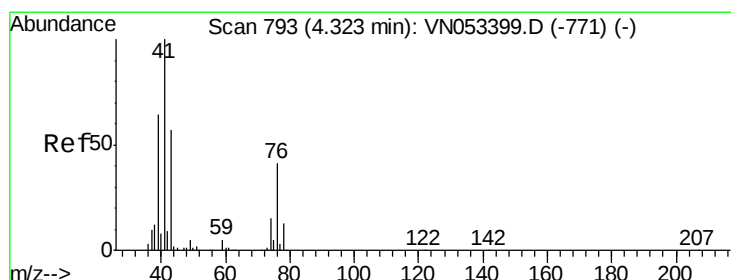
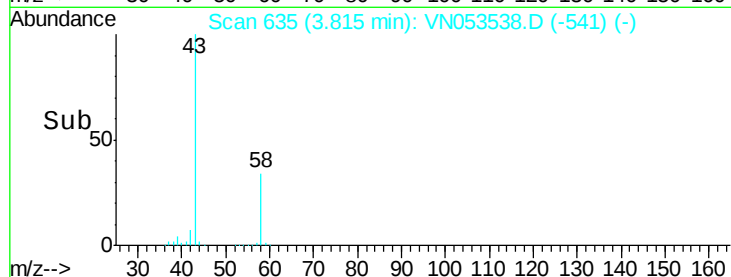
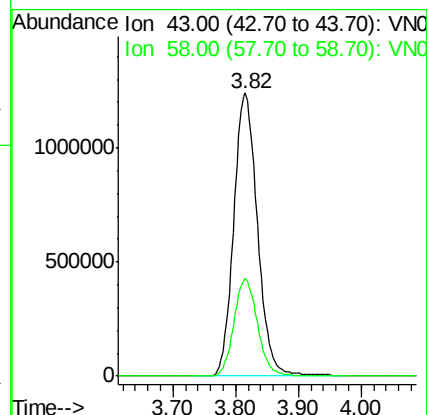
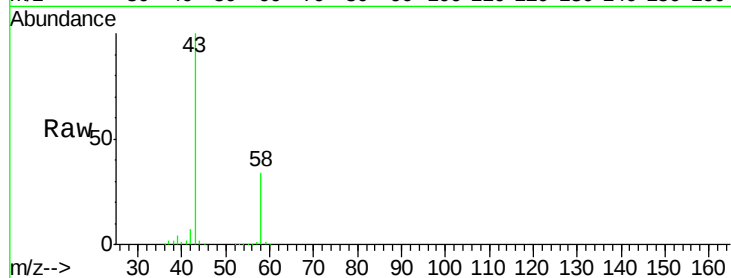
30176

Tot Ion: 43 Resp: 3249572

Ion Ratio Lower Upper

43 100

58 34.3 27.1 40.7



#18

Methyl Acetate

Concen: 34.613 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053538.D

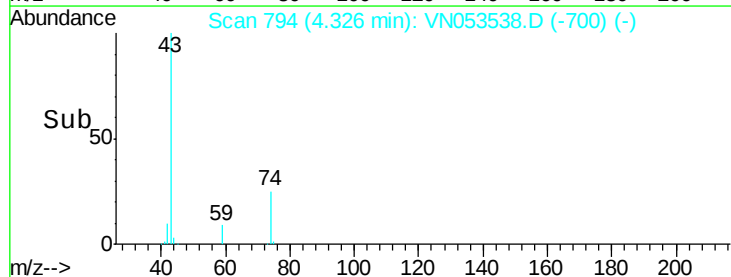
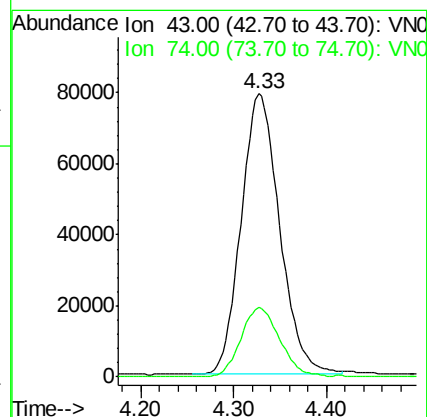
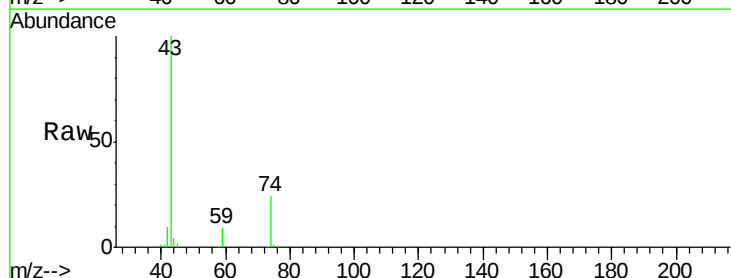
Acq: 28 Jan 2019 11:54

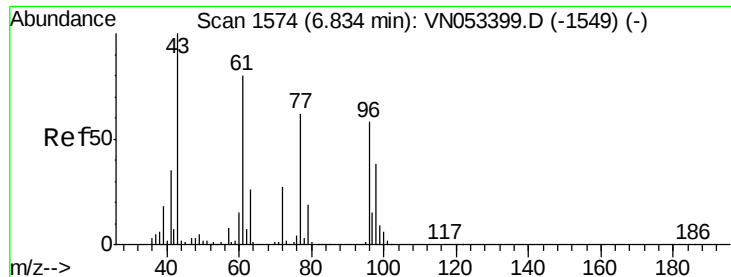
Tgt Ion: 43 Resp: 227112

Ion Ratio Lower Upper

43 100

74 25.2 19.4 29.2

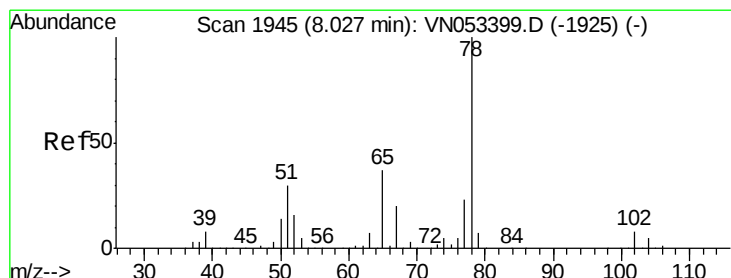
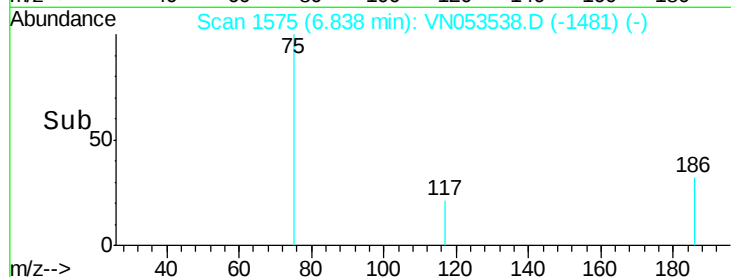
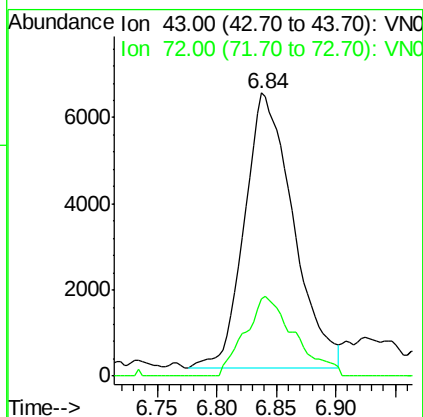
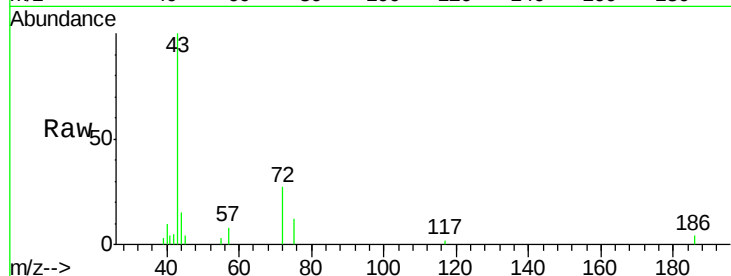




#25
2-Butanone
Concen: 6.024 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN053538.D
Acq: 28 Jan 2019 11:54

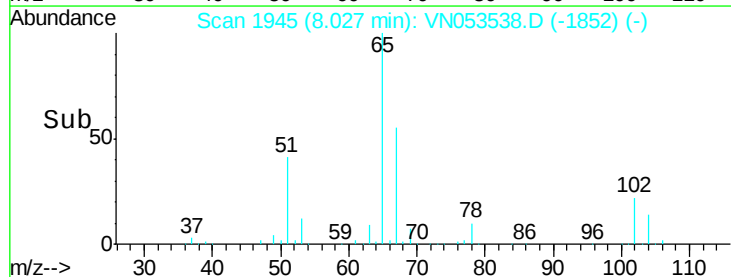
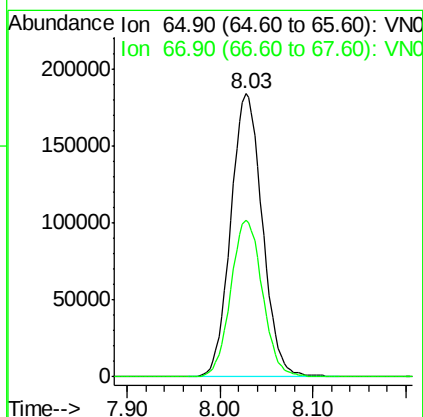
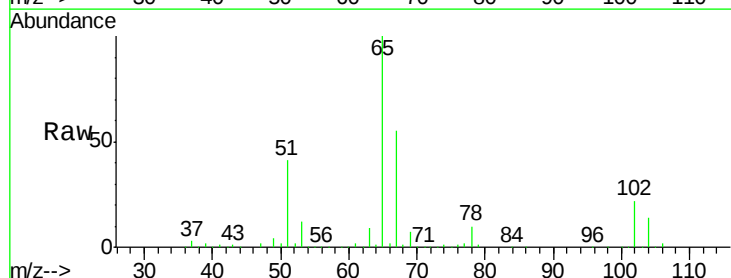
Instrument :
MSVOA_N
ClientSampled :
30176

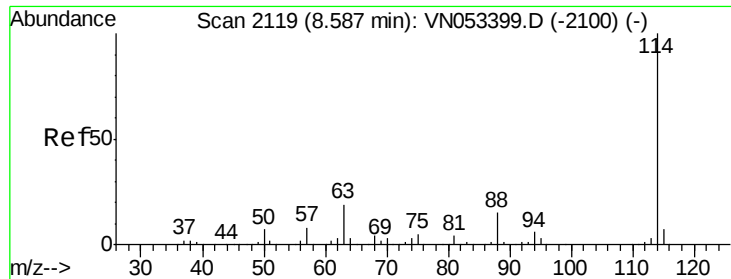
Tot Ion: 43 Resp: 18078
Ion Ratio Lower Upper
43 100
72 28.1 22.0 33.0



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN053538.D
Acq: 28 Jan 2019 11:54

Tgt Ion: 65 Resp: 435316
Ion Ratio Lower Upper
65 100
67 55.6 0.0 111.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053538.D

Acq: 28 Jan 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

30176

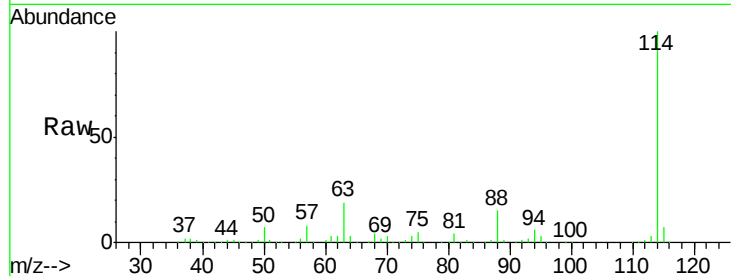
Tot Ion:114 Resp: 1342105

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.6

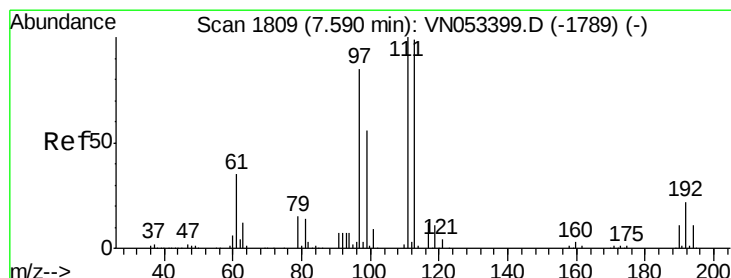
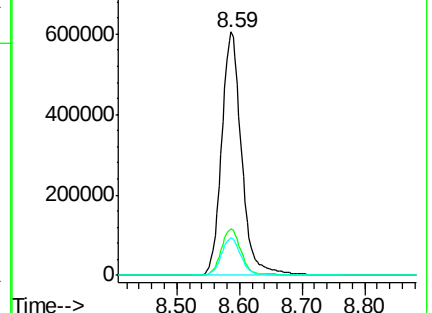
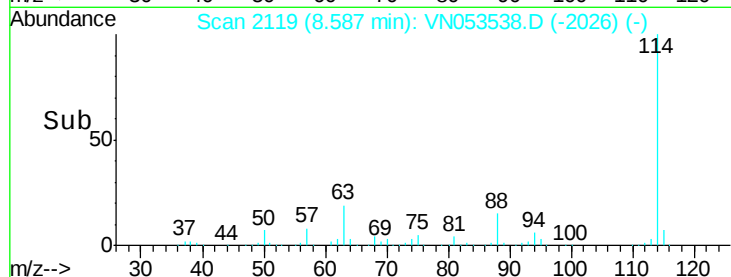
88 15.3 0.0 30.4



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: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053538.D

Acq: 28 Jan 2019 11:54

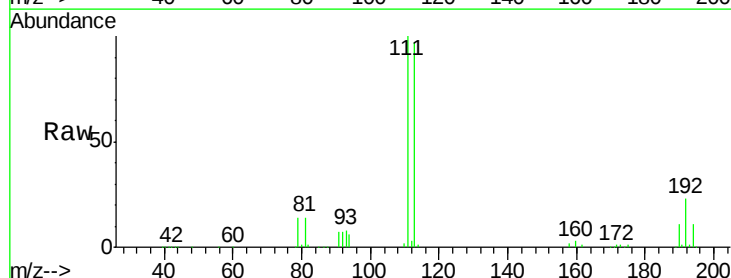
Tgt Ion:113 Resp: 419436

Ion Ratio Lower Upper

113 100

111 103.1 81.1 121.7

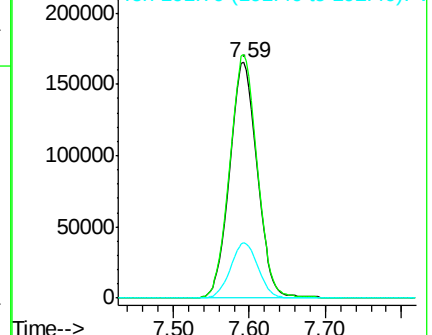
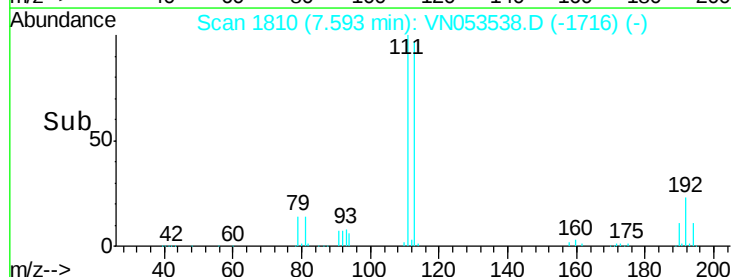
192 23.4 18.2 27.2

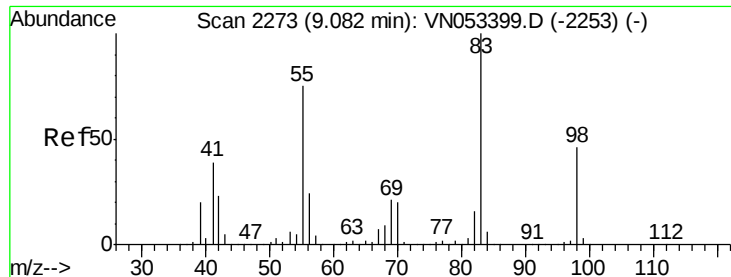


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

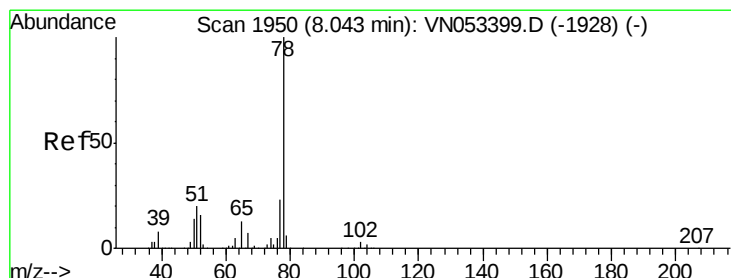
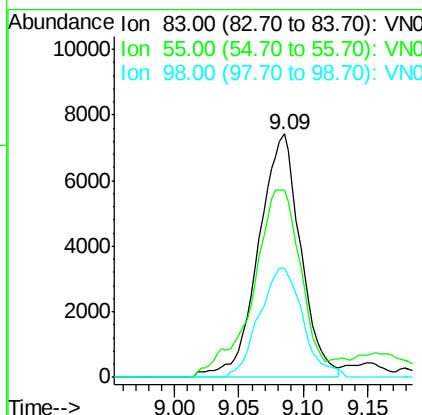
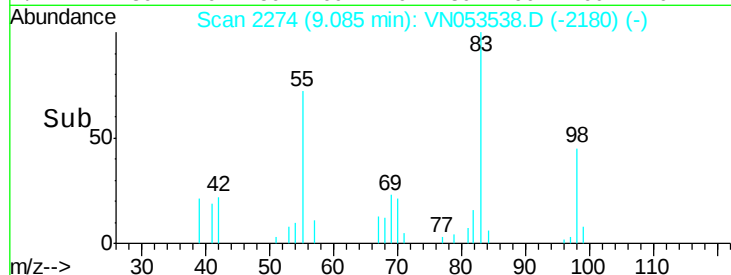
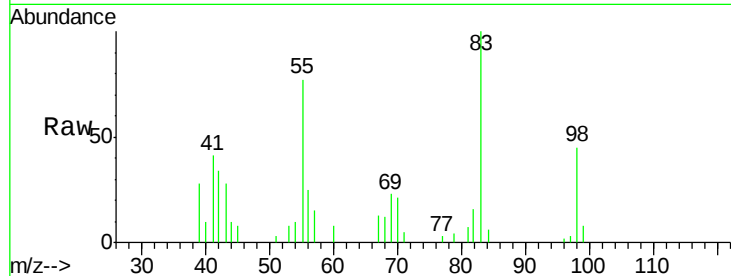




#39
Methvlcvclohexane
Concen: 1.115 ug/l
RT: 9.09 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VN053538.D
Acq: 28 Jan 2019 11:54

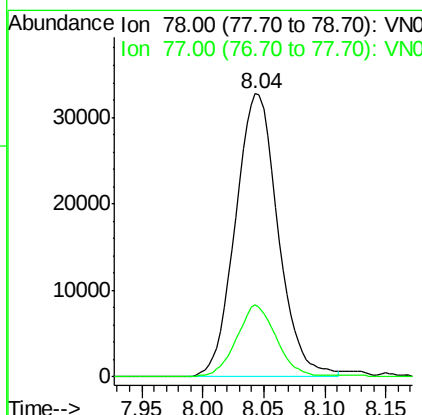
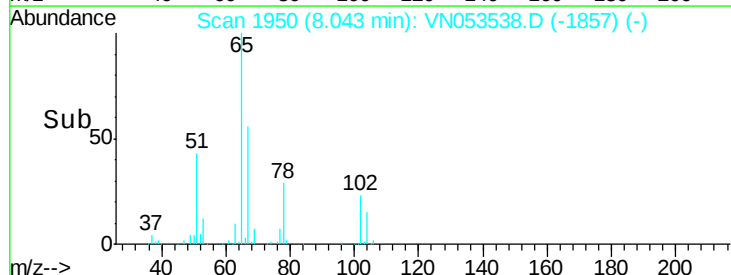
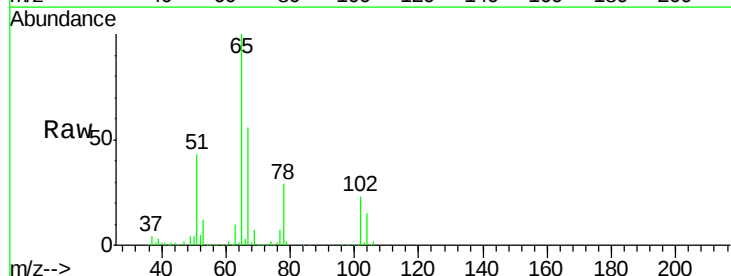
Instrument :
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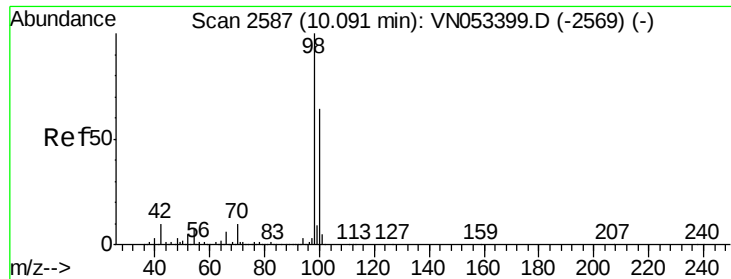
Tot Ion: 83 Resp: 16843
Ion Ratio Lower Upper
83 100
55 76.7 60.1 90.1
98 44.7 36.6 55.0



#40
Benzene
Concen: 2.132 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053538.D
Acq: 28 Jan 2019 11:54

Tgt Ion: 78 Resp: 79194
Ion Ratio Lower Upper
78 100
77 25.5 18.8 28.2





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053538.D

Acq: 28 Jan 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

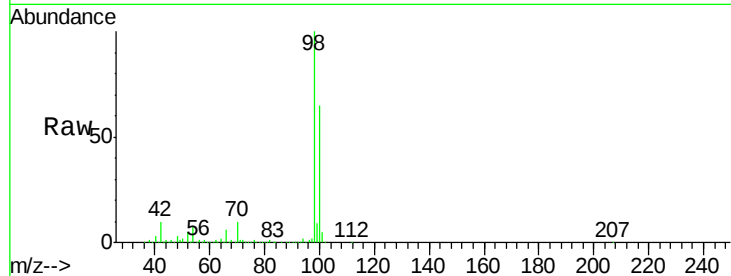
30176

Tot Ion: 98 Resp: 1616896

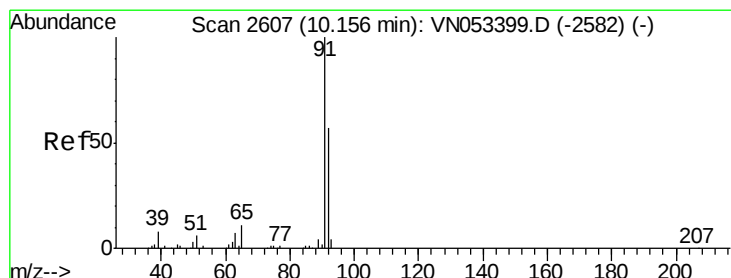
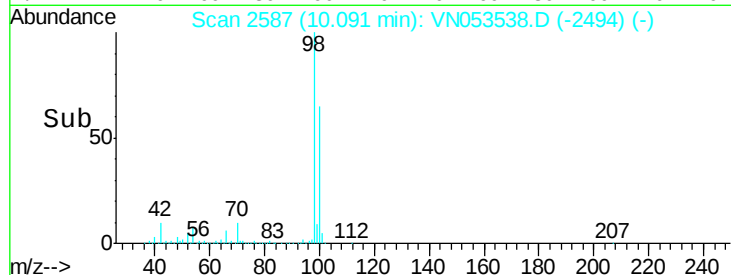
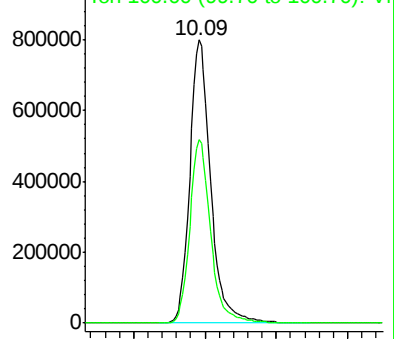
Ion Ratio Lower Upper

98 100

100 64.7 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053399.D (-2569) (-)



#52

Toluene

Concen: 275.227 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053538.D

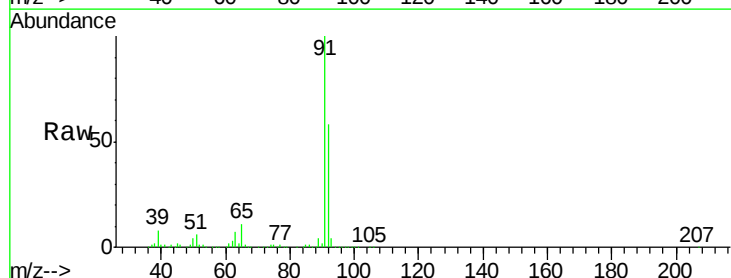
Acq: 28 Jan 2019 11:54

Tgt Ion: 92 Resp: 6346429

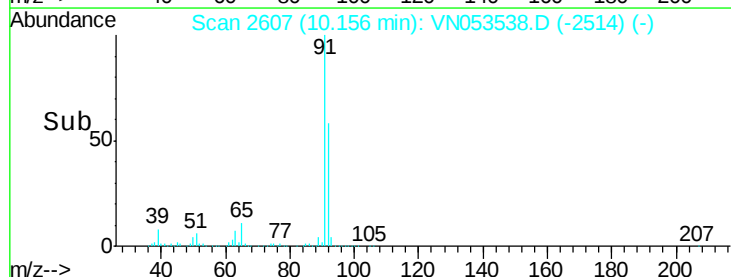
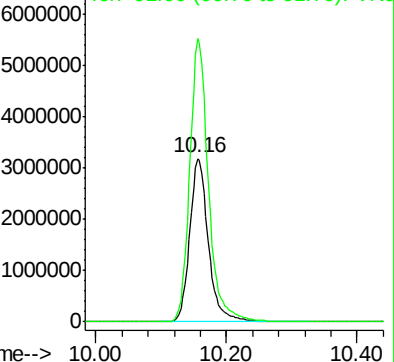
Ion Ratio Lower Upper

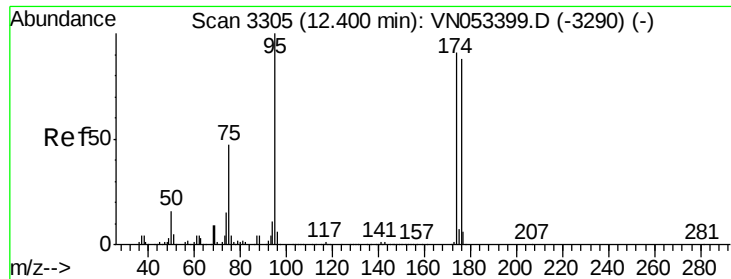
92 100

91 173.6 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN053399.D (-2582) (-)





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053538.D

Acq: 28 Jan 2019 11:54

Instrument :

MSVOA_N

ClientSampled :

30176

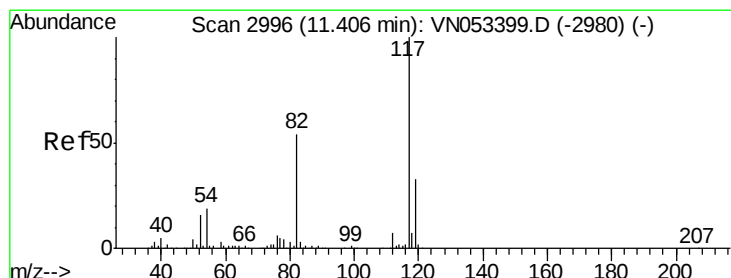
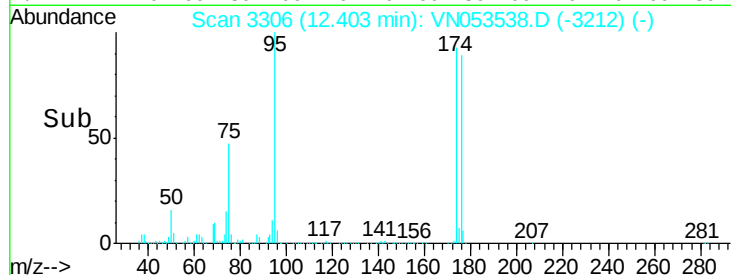
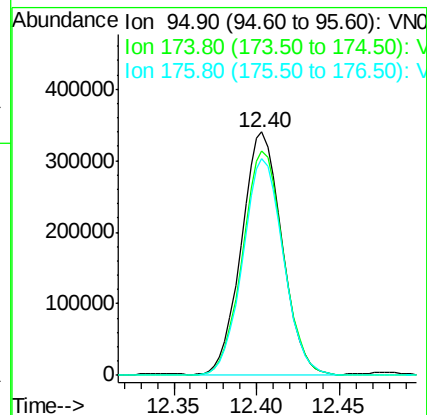
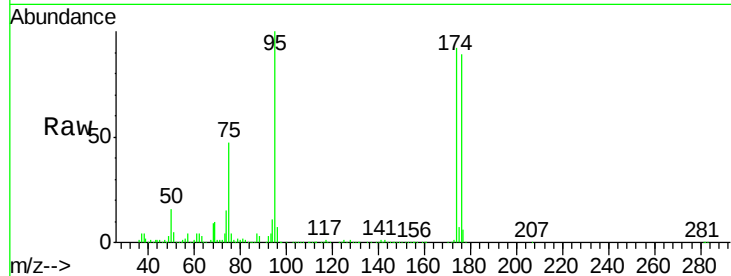
Tot Ion: 95 Resp: 574058

Ion Ratio Lower Upper

95 100

174 93.2 0.0 183.2

176 89.9 0.0 177.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN053538.D

Acq: 28 Jan 2019 11:54

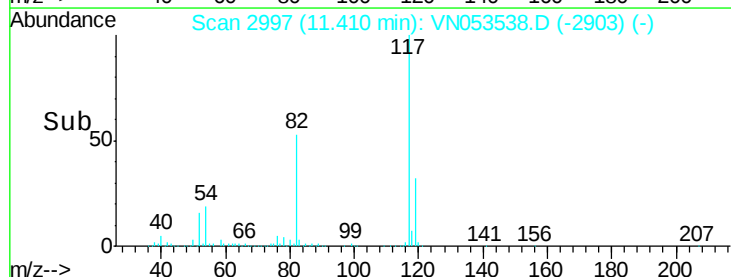
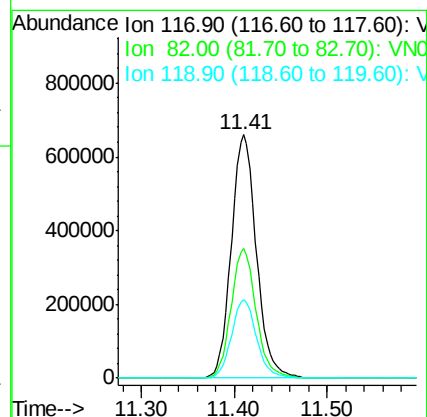
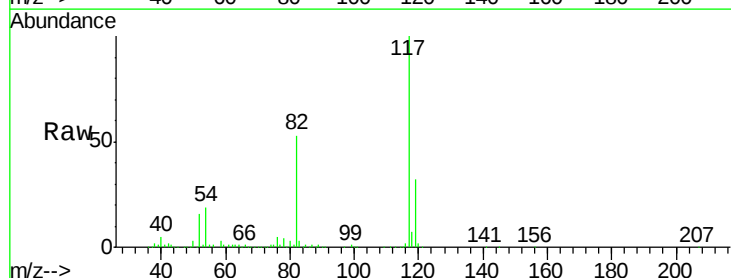
Tgt Ion: 117 Resp: 1235135

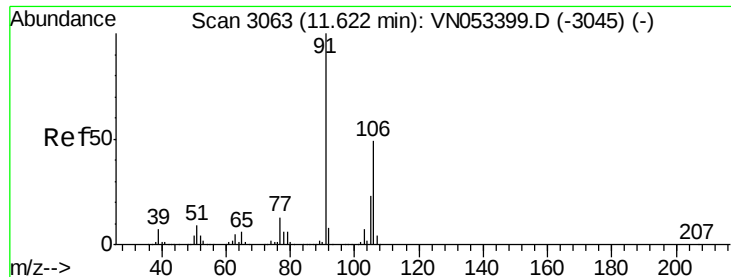
Ion Ratio Lower Upper

117 100

82 53.3 42.9 64.3

119 32.5 26.0 39.0





#68

m/p-Xylenes

Concen: 3.970 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN053538.D

Acq: 28 Jan 2019 11:54

Instrument :

MSVOA_N

ClientSampled :

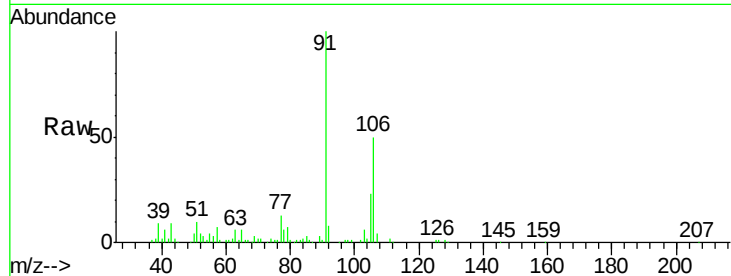
30176

Tot Ion:106 Resp: 66789

Ion Ratio Lower Upper

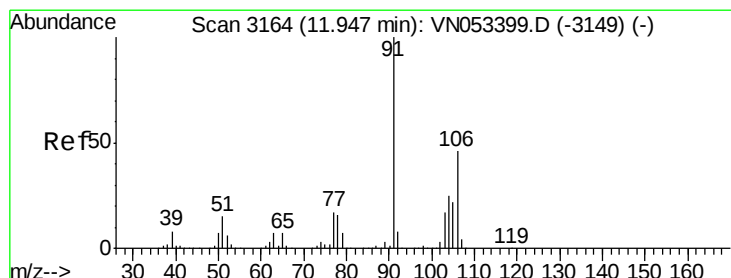
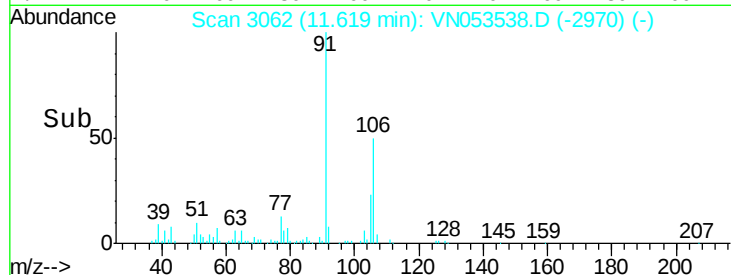
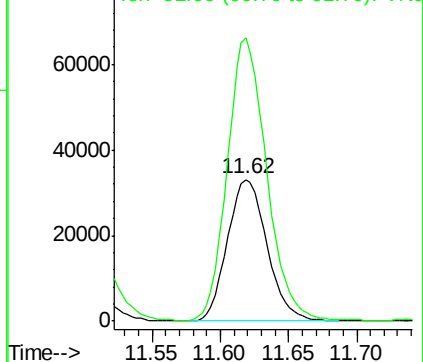
106 100

91 197.6 161.4 242.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#69

o-Xylene

Concen: 2.868 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN053538.D

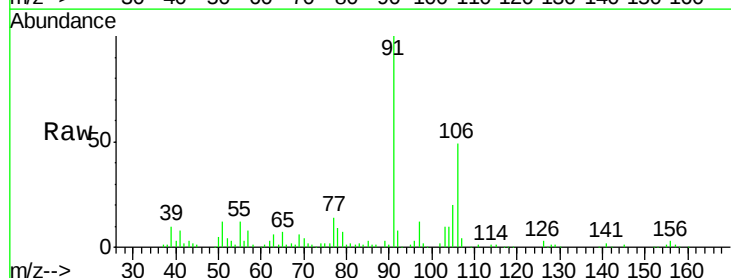
Acq: 28 Jan 2019 11:54

Tgt Ion:106 Resp: 46888

Ion Ratio Lower Upper

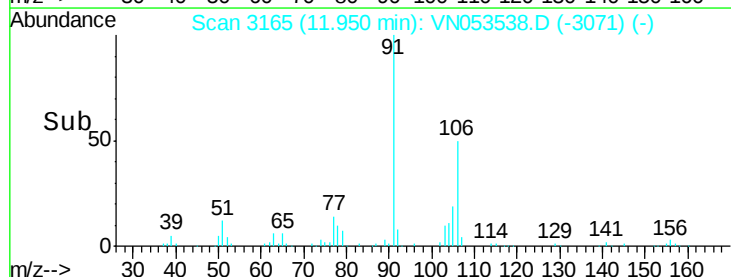
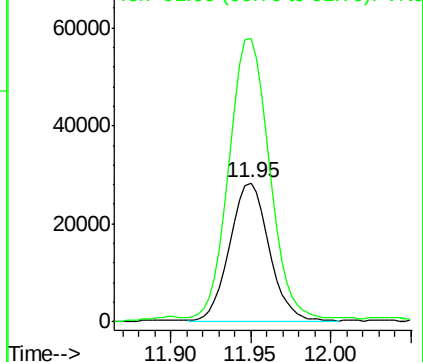
106 100

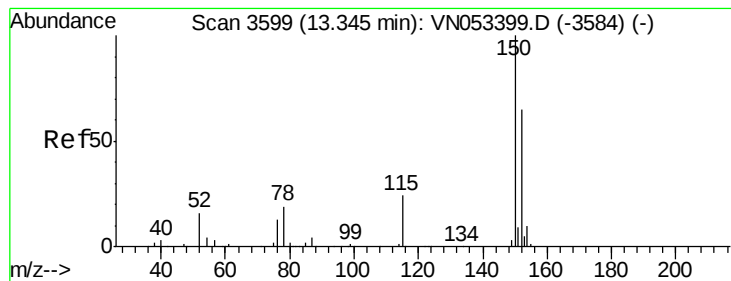
91 210.0 106.9 320.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): 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: VN053538.D

Acq: 28 Jan 2019 11:54

Instrument :

MSVOA_N

ClientSampled :

30176

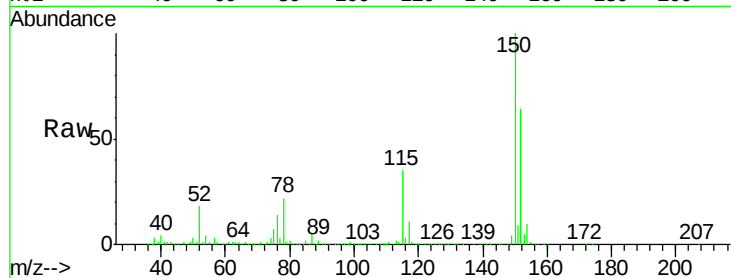
Tot Ion:152 Resp: 577963

Ion Ratio Lower Upper

152 100

115 55.1 27.8 83.4

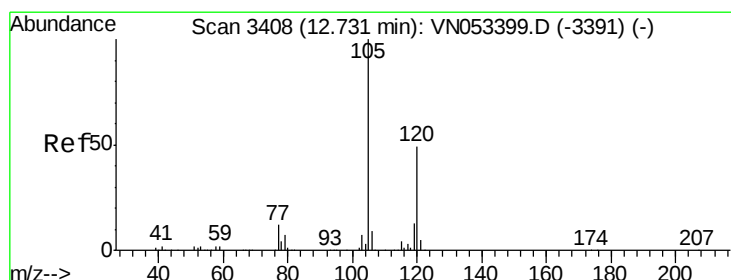
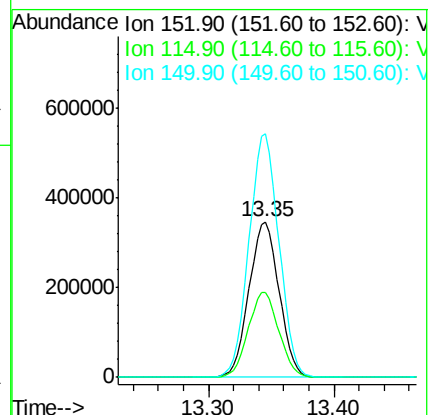
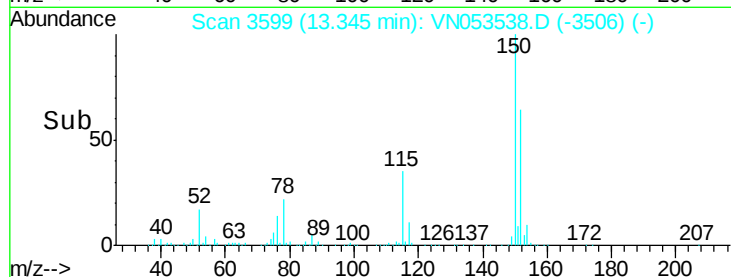
150 155.8 0.0 349.0



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: 1.067 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053538.D

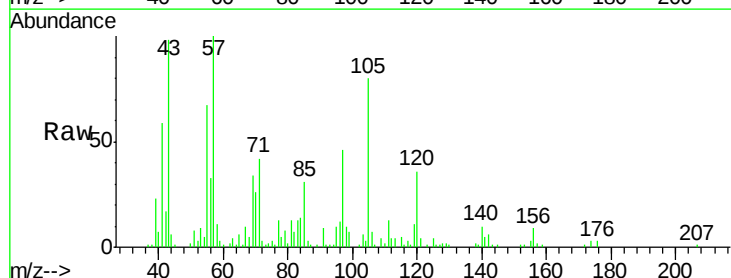
Acq: 28 Jan 2019 11:54

Tgt Ion:105 Resp: 36727

Ion Ratio Lower Upper

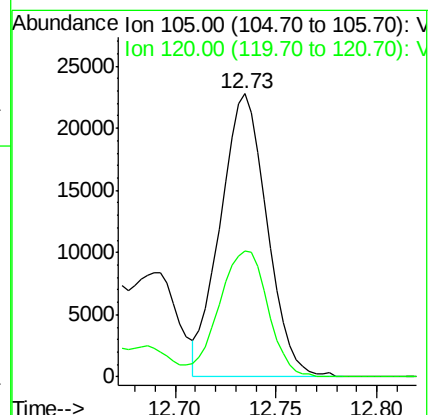
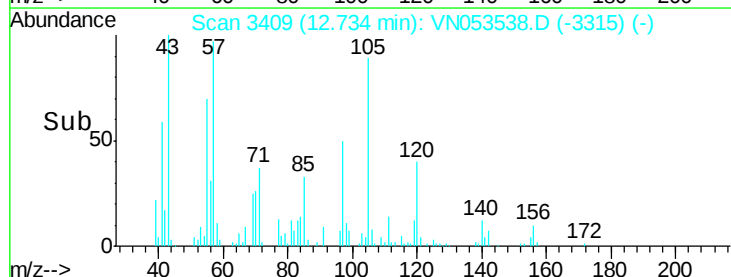
105 100

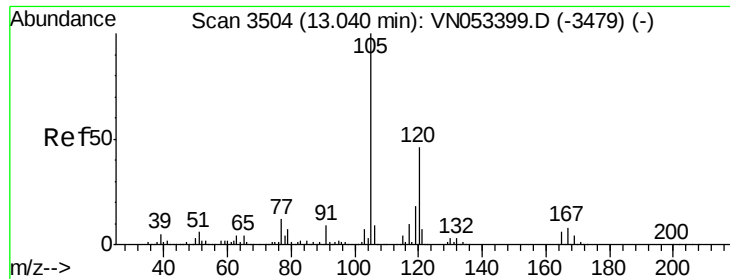
120 46.6 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

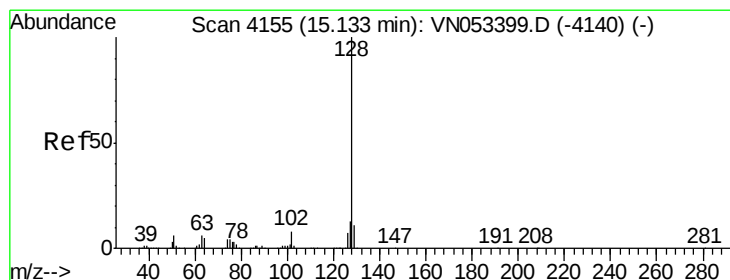
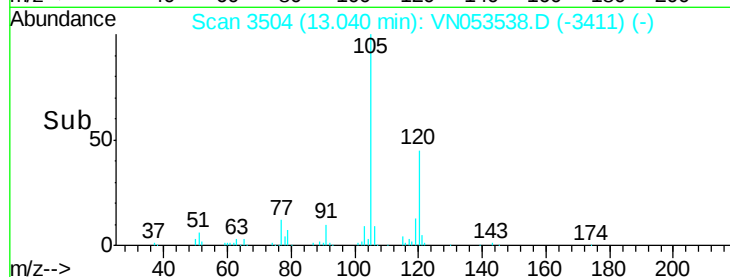
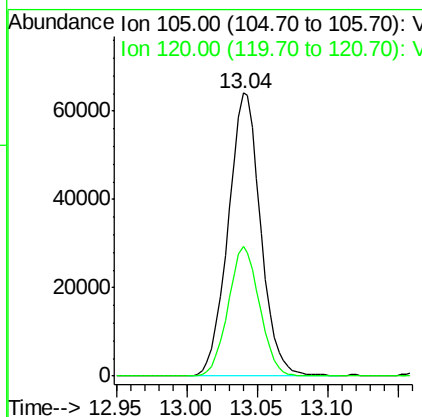
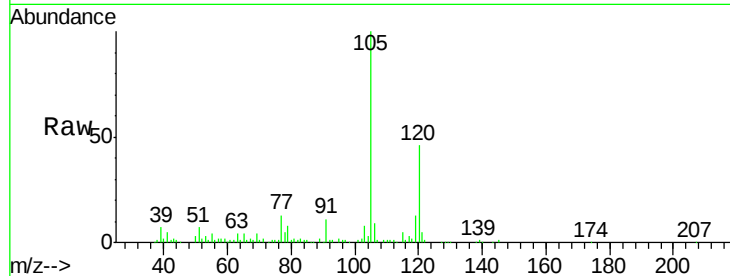




#84
 1,2,4-Trimethylbenzene
 Concen: 2.978 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053538.D
 Acq: 28 Jan 2019 11:54

Instrument :
 MSVOA_N
 ClientSampled :
 30176

Tot Ion:105 Resp: 103416
 Ion Ratio Lower Upper
 105 100
 120 43.9 23.0 69.0



#95
 Naphthalene
 Concen: 35.854 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN053538.D
 Acq: 28 Jan 2019 11:54

Tgt Ion:128 Resp: 484041
 Ion Ratio Lower Upper
 128 100
 127 13.1 10.3 15.5
 129 10.9 8.6 13.0

