

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041319\
 Data File : VN055013.D
 Acq On : 12 Apr 2019 21:32
 Operator : JC/SP
 Sample : K2196-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 HD-02-041119

Quant Time: Apr 13 04:23:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 03:34:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	551276	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	878748	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	737393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	245141	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	356701	51.56	ug/l	0.00
Spiked Amount			Recovery	=	103.12%	
35) Dibromofluoromethane	7.59	113	281000	50.16	ug/l	0.00
Spiked Amount			Recovery	=	100.32%	
50) Toluene-d8	10.09	98	1046941	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	
62) 4-Bromofluorobenzene	12.40	95	306371	44.21	ug/l	0.00
Spiked Amount			Recovery	=	88.42%	

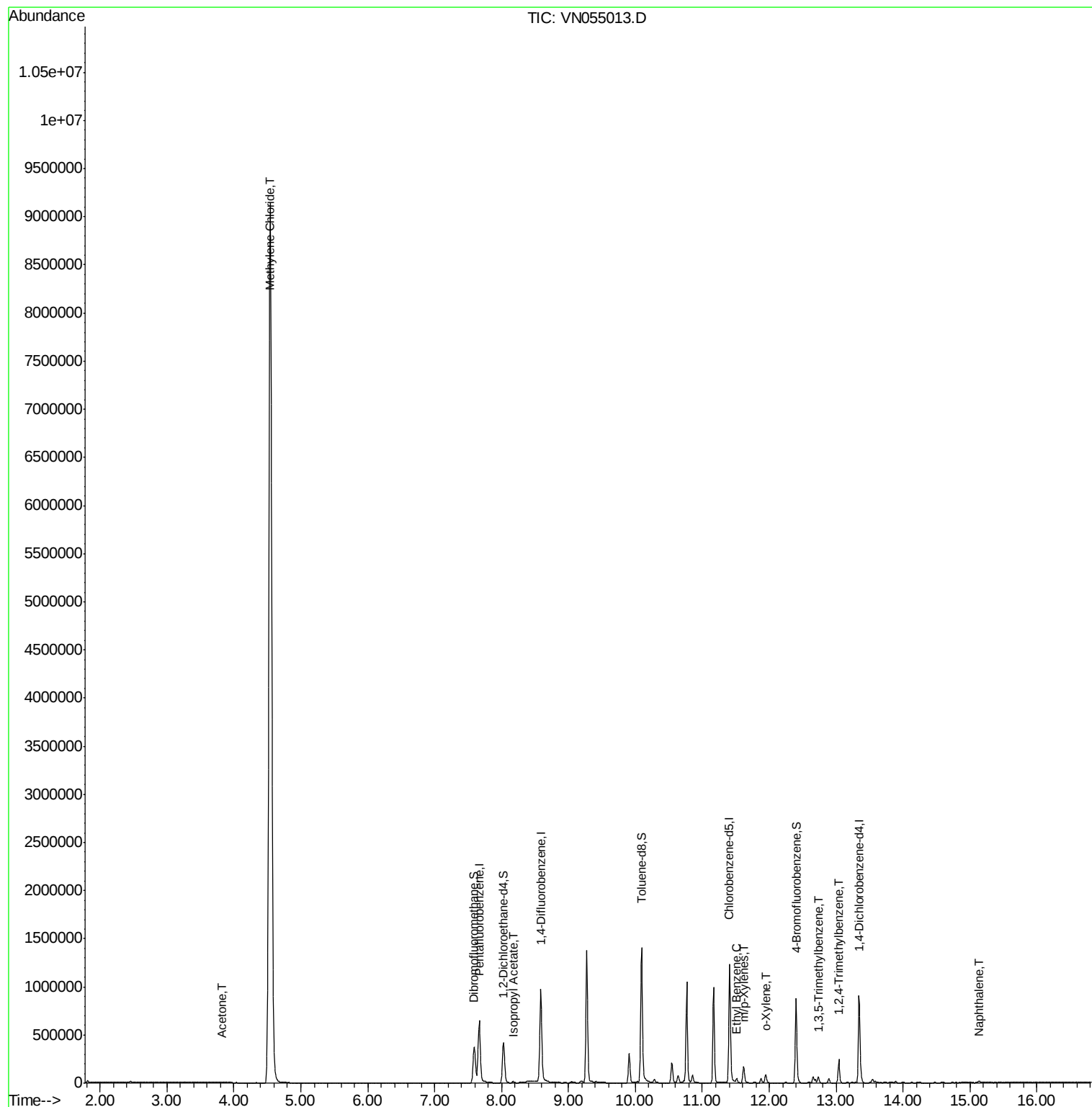
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	9529	5.014	ug/l	96
20) Methylene Chloride	4.54	84	6430116	1073.380	ug/l	96
43) Isopropyl Acetate	8.17	43	15672	1.503	ug/l	99
67) Ethyl Benzene	11.51	91	31704	1.214	ug/l	92
68) m/p-Xylenes	11.62	106	52135	5.456	ug/l	98
69) o-Xylene	11.95	106	23853	2.523	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	31202	1.839	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	137017	8.422	ug/l	100
95) Naphthalene	15.13	128	15059	6.133	ug/l	99

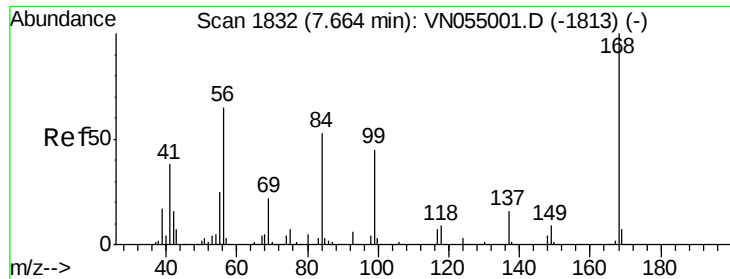
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Apr 13 03:34:24 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: VN055013.D

Acq: 12 Apr 2019 21:32

Instrument :

MSVOA_N

ClientSampleId :

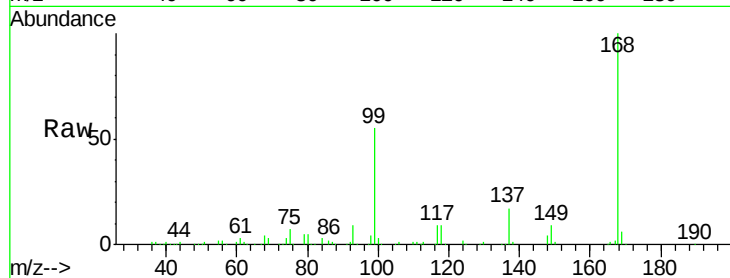
HD-02-041119

Tot Ion:168 Resp: 551276

Ion Ratio Lower Upper

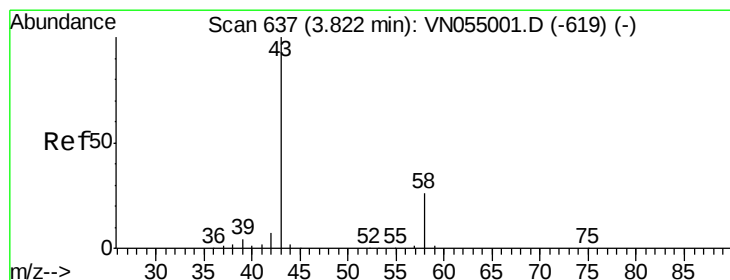
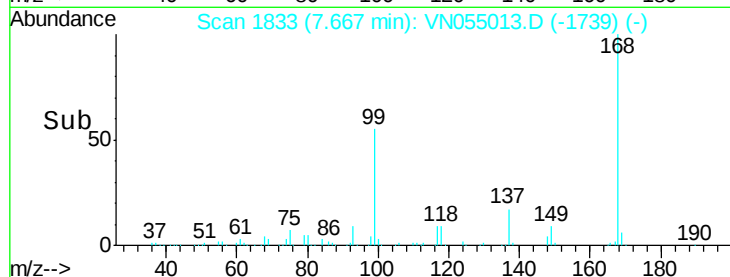
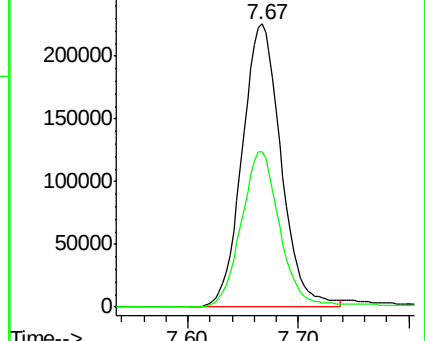
168 100

99 54.7 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 5.014 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN055013.D

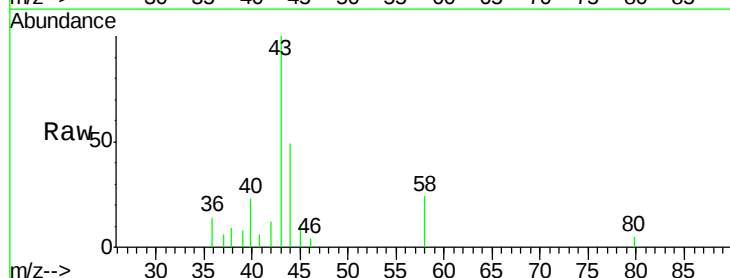
Acq: 12 Apr 2019 21:32

Tgt Ion: 43 Resp: 9529

Ion Ratio Lower Upper

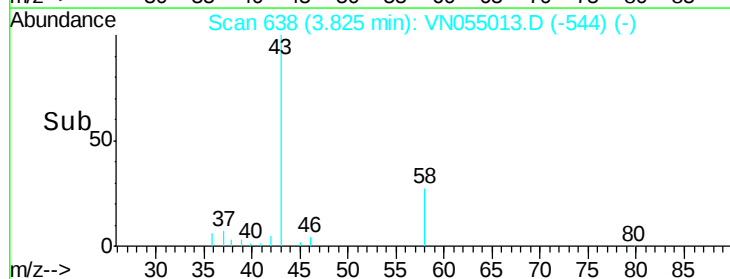
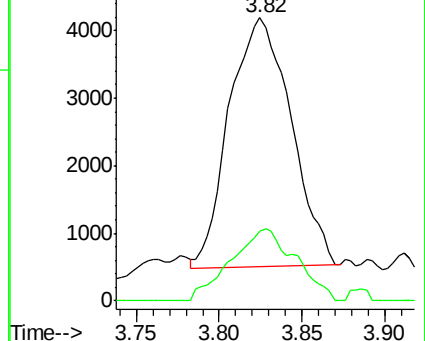
43 100

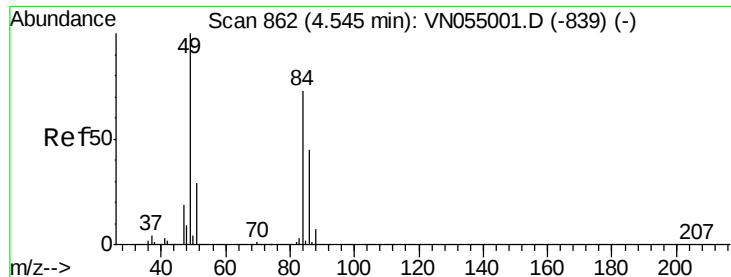
58 28.0 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#20

Methylene Chloride

Concen: 1073.380 ug/l

RT: 4.54 min Scan# 861

Delta R.T. -0.00 min

Lab File: VN055013.D

Acq: 12 Apr 2019 21:32

Instrument :

MSVOA_N

ClientSampleId :

HD-02-041119

Tot Ion: 84 Resp: 6430116

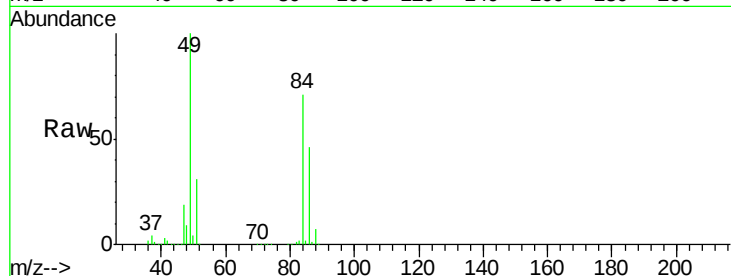
Ion Ratio Lower Upper

84 100

49 141.0 109.4 164.2

51 43.1 32.2 48.4

86 64.3 49.3 73.9

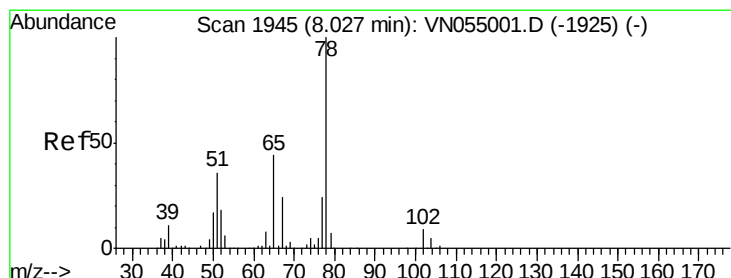
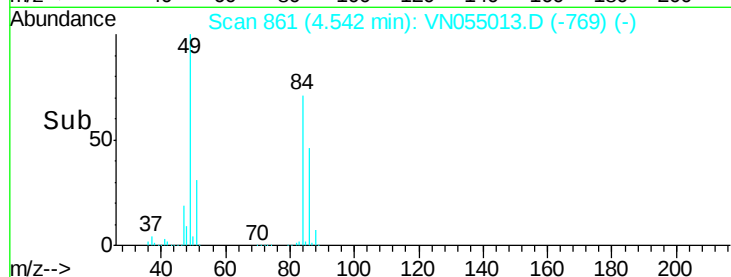
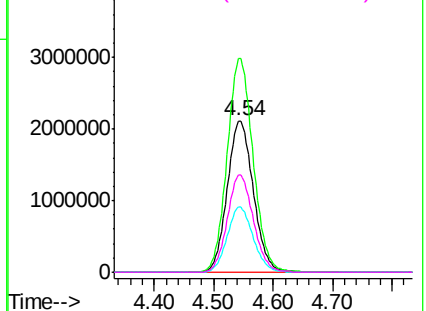


Abundance Ion 83.90 (83.60 to 84.60): VNC

Ion 48.90 (48.60 to 49.60): VNC

Ion 50.90 (50.60 to 51.60): VNC

Ion 85.90 (85.60 to 86.60): VNC



#33

1,2-Dichloroethane-d4

Concen: 51.560 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN055013.D

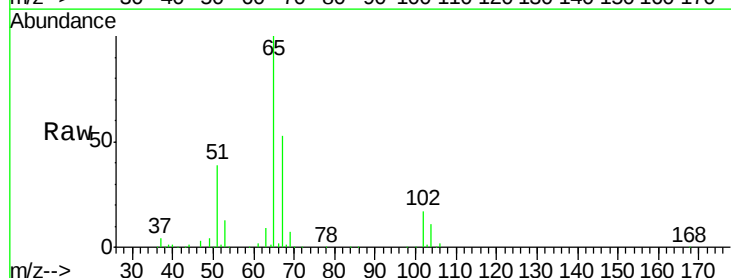
Acq: 12 Apr 2019 21:32

Tgt Ion: 65 Resp: 356701

Ion Ratio Lower Upper

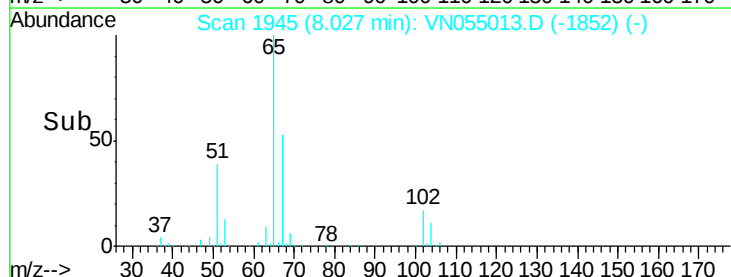
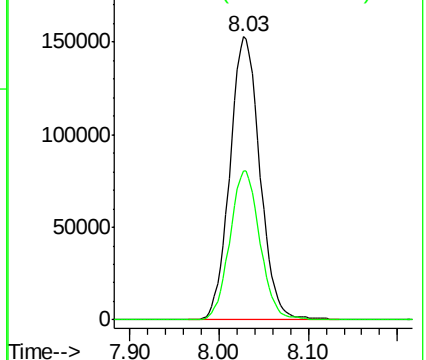
65 100

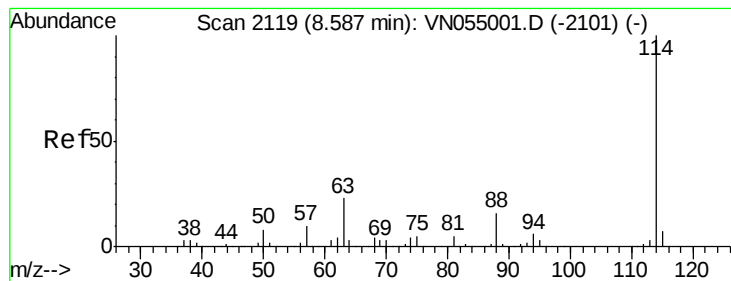
67 52.7 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VNC

Ion 66.90 (66.60 to 67.60): VNC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN055013.D

Acq: 12 Apr 2019 21:32

Instrument :

MSVOA_N

ClientSampleId :

HD-02-041119

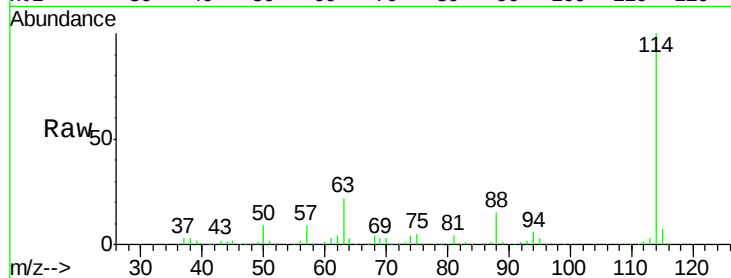
Tot Ion:114 Resp: 878748

Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.2

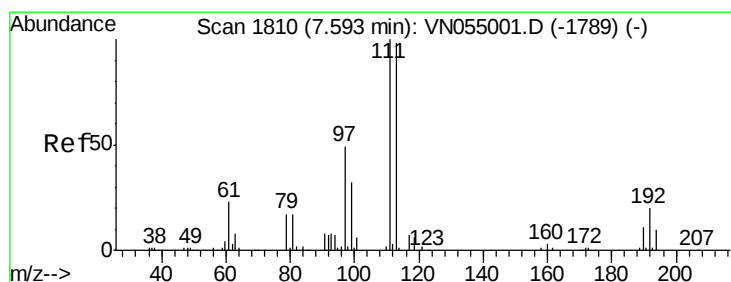
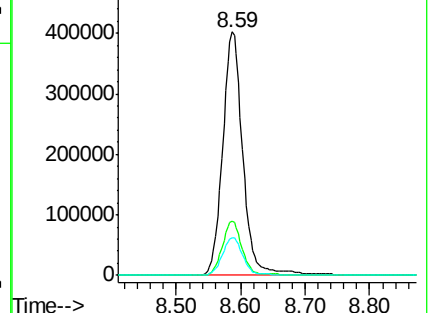
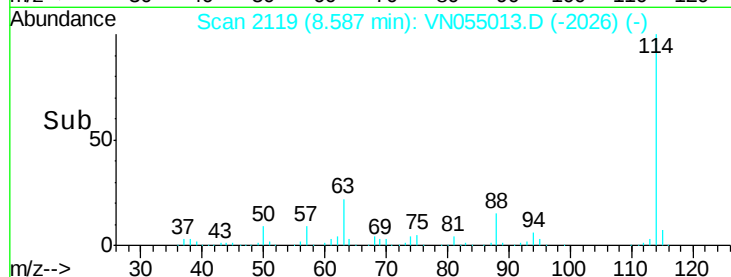
88 15.4 0.0 31.8



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: 50.163 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN055013.D

Acq: 12 Apr 2019 21:32

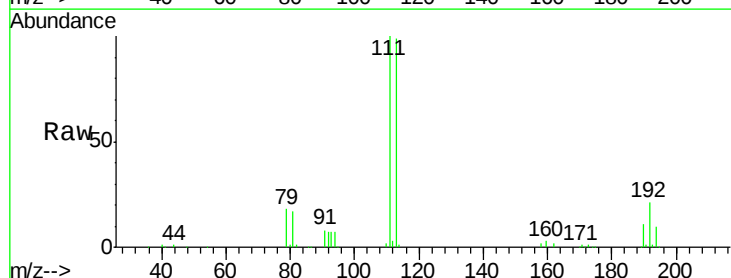
Tgt Ion:113 Resp: 281000

Ion Ratio Lower Upper

113 100

111 103.5 82.1 123.1

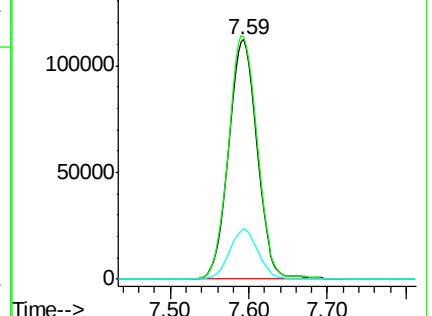
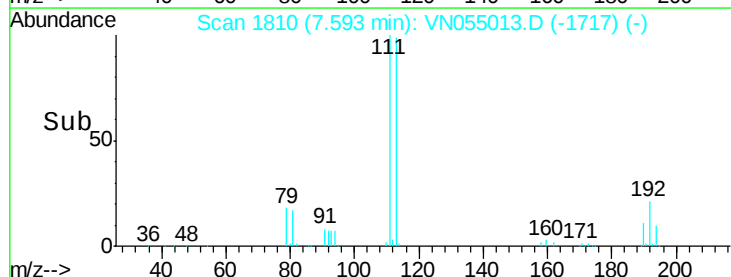
192 20.8 16.5 24.7

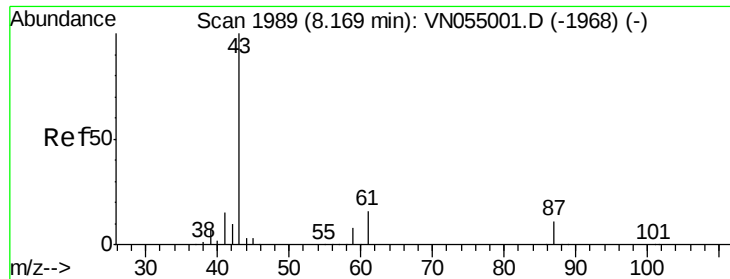


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 1.503 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN055013.D

Acq: 12 Apr 2019 21:32

Instrument :

MSVOA_N

ClientSampleId :

HD-02-041119

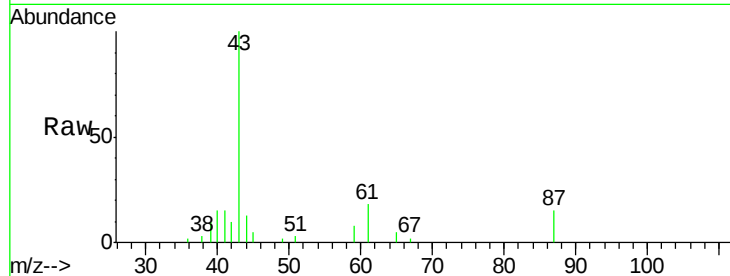
Tot Ion: 43 Resp: 15672

Ion Ratio Lower Upper

43 100

61 17.7 14.3 21.5

87 11.8 8.6 13.0

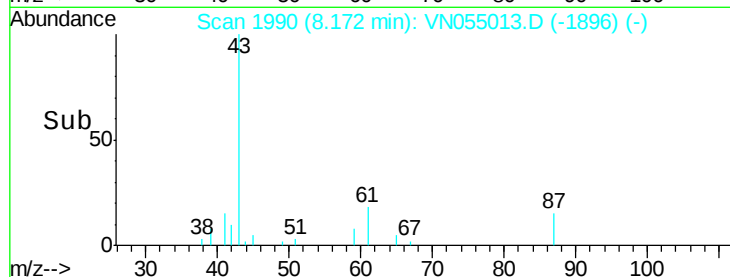


Abundance Ion 43.00 (42.70 to 43.70): VN055013.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN055013.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN055013.D (-1968) (-)

Time-->



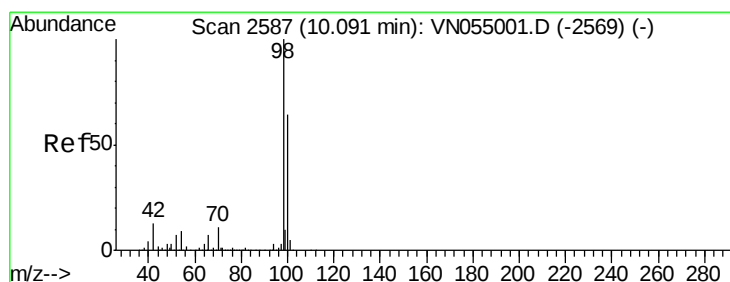
Abundance

Ion 43.00 (42.70 to 43.70): VN055013.D (-1896) (-)

Ion 61.00 (60.70 to 61.70): VN055013.D (-1896) (-)

Ion 87.00 (86.70 to 87.70): VN055013.D (-1896) (-)

Time-->



#50

Toluene-d8

Concen: 50.885 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN055013.D

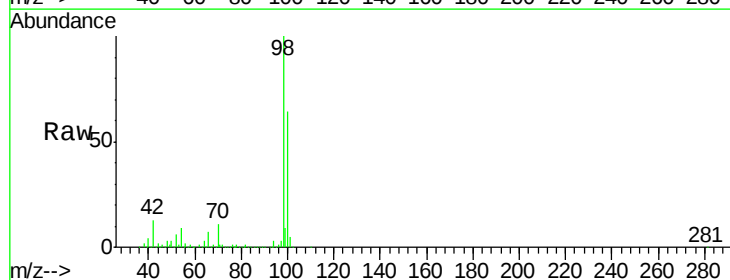
Acq: 12 Apr 2019 21:32

Tgt Ion: 98 Resp: 1046941

Ion Ratio Lower Upper

98 100

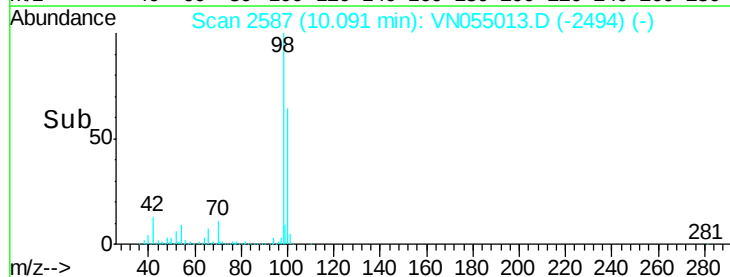
100 63.7 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN055013.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN055013.D (-2569) (-)

Time-->

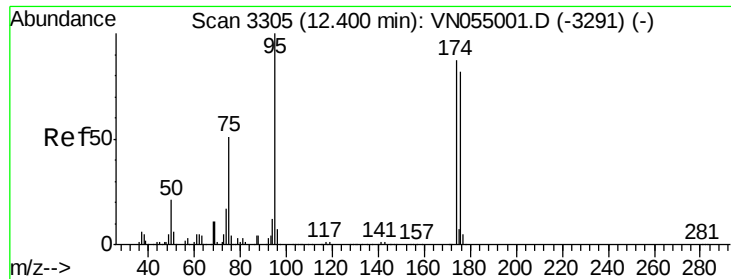


Abundance

Ion 98.00 (97.70 to 98.70): VN055013.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN055013.D (-2494) (-)

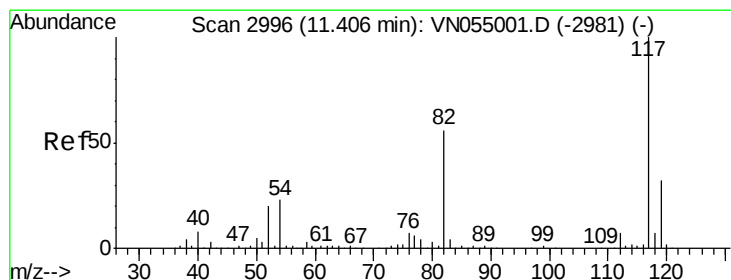
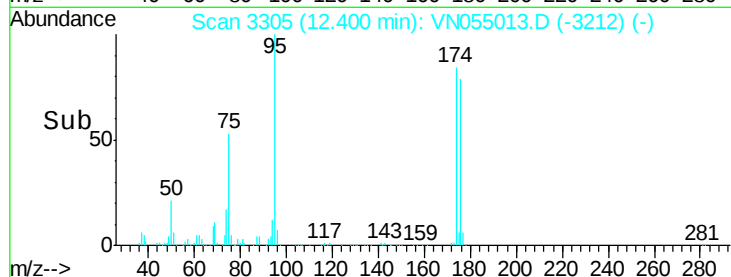
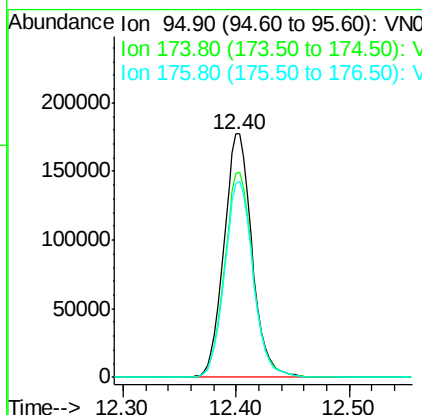
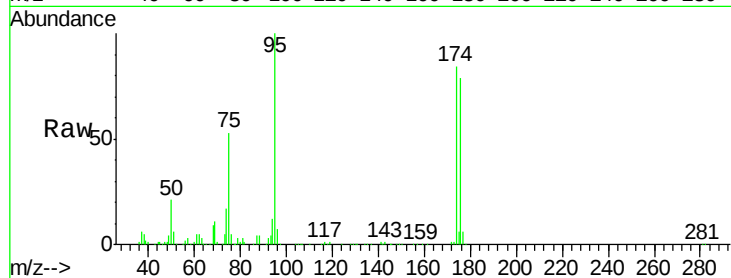
Time-->



#62
4-Bromofluorobenzene
Concen: 44.206 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN055013.D
Acq: 12 Apr 2019 21:32

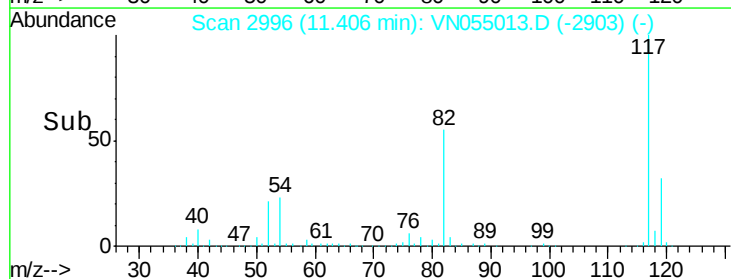
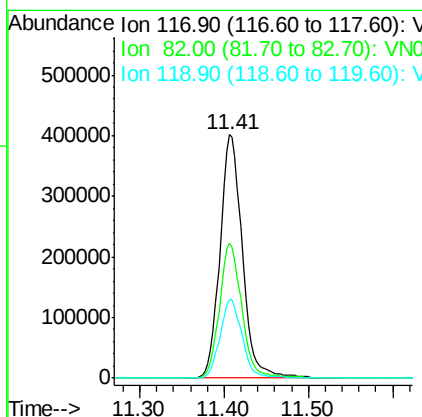
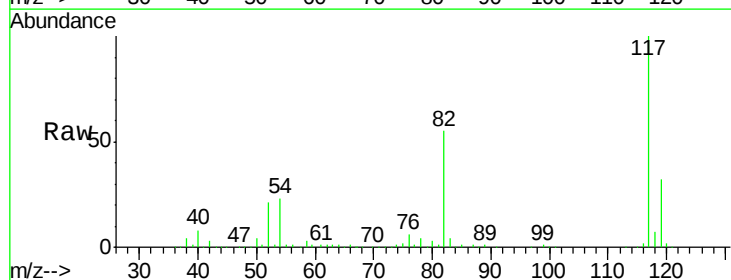
Instrument :
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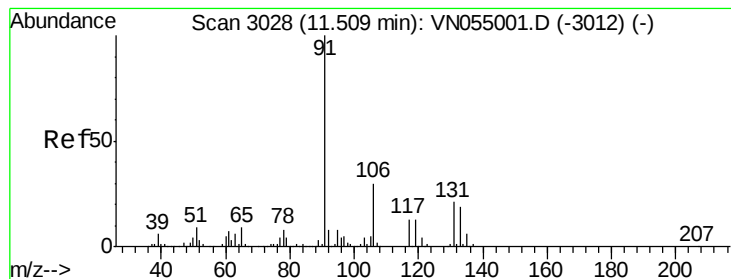
Tot Ion: 95 Resp: 306371
Ion Ratio Lower Upper
95 100
174 85.1 0.0 174.4
176 81.7 0.0 166.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055013.D
Acq: 12 Apr 2019 21:32

Tgt Ion: 117 Resp: 737393
Ion Ratio Lower Upper
117 100
82 55.4 44.6 66.8
119 32.4 25.5 38.3





#67

Ethyl Benzene

Concen: 1.214 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN055013.D

Acq: 12 Apr 2019 21:32

Instrument :

MSVOA_N

ClientSampled :

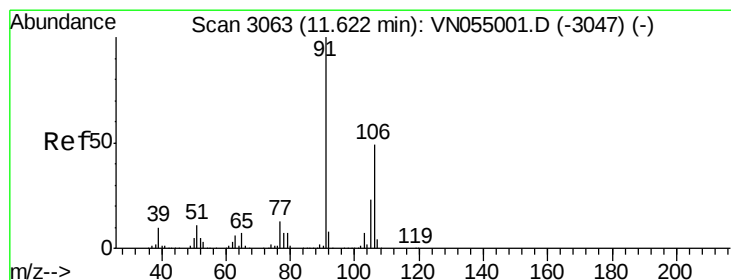
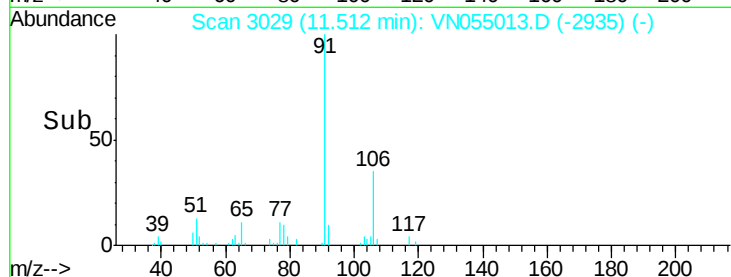
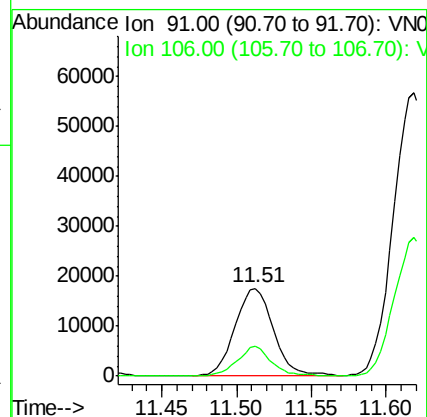
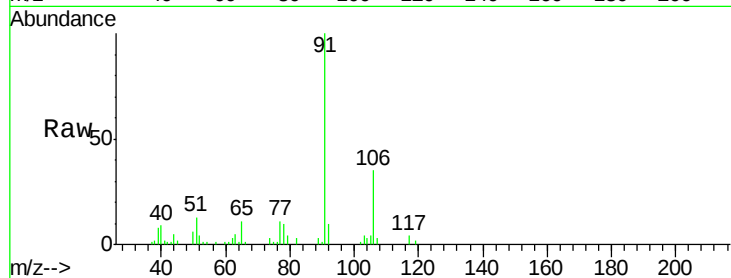
HD-02-041119

Tot Ion: 91 Resp: 31704

Ion Ratio Lower Upper

91 100

106 34.6 24.3 36.5



#68

m/p-Xylenes

Concen: 5.456 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN055013.D

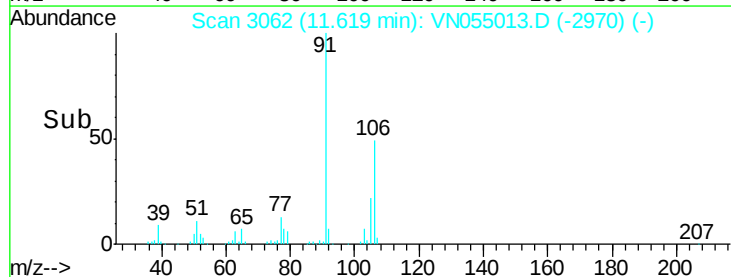
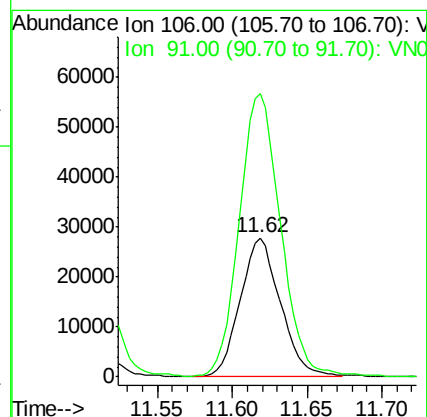
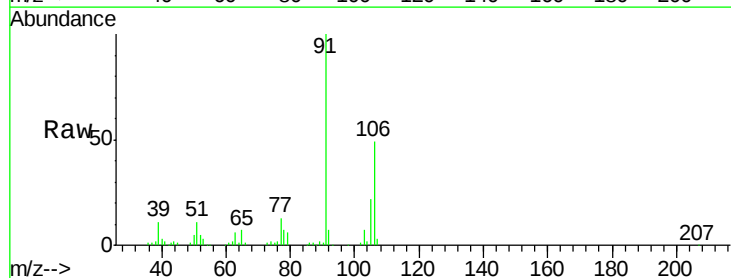
Acq: 12 Apr 2019 21:32

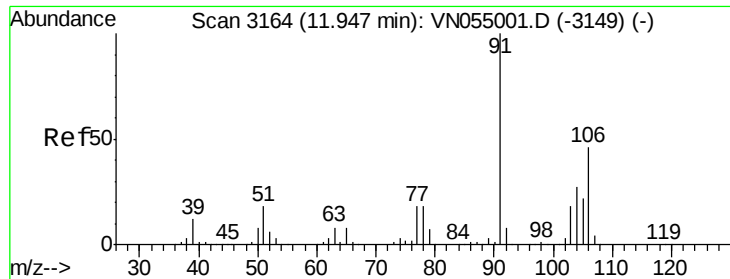
Tgt Ion: 106 Resp: 52135

Ion Ratio Lower Upper

106 100

91 210.4 165.9 248.9

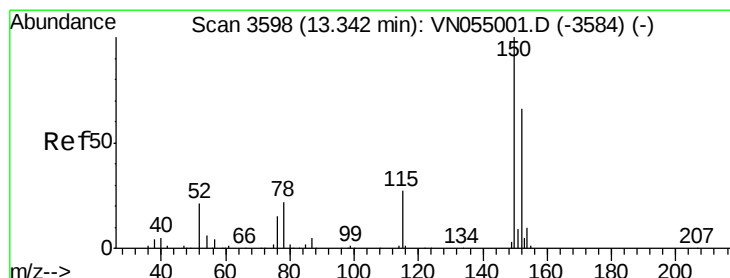
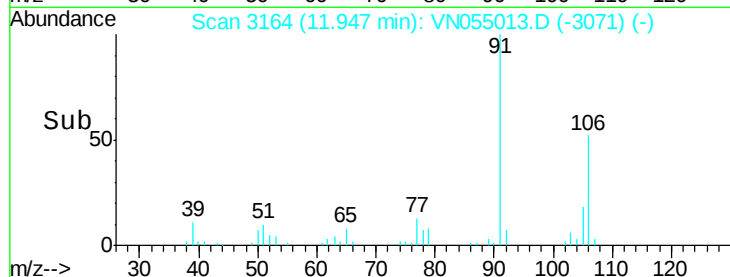
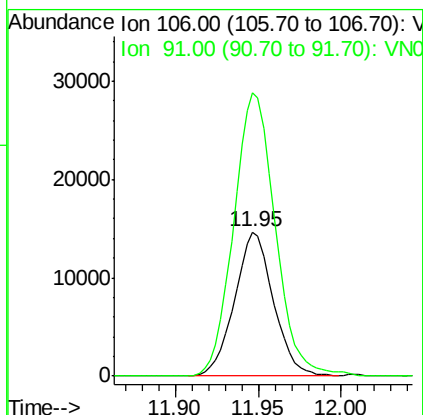
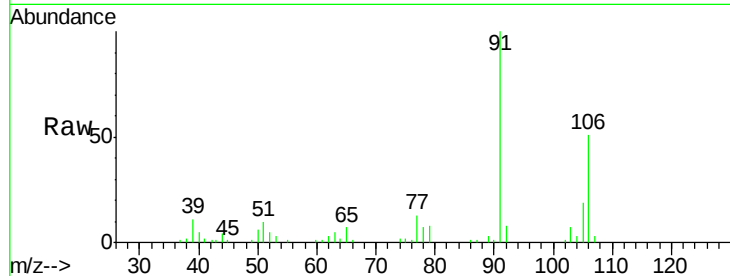




#69
o-Xylene
Concen: 2.523 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055013.D
Acq: 12 Apr 2019 21:32

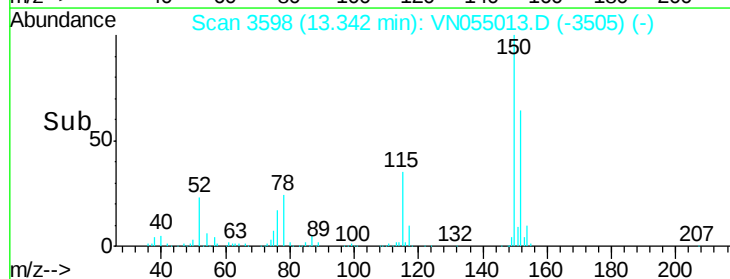
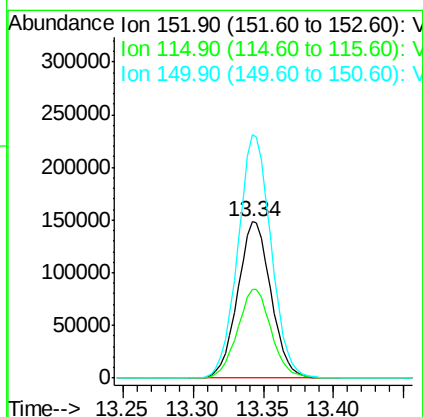
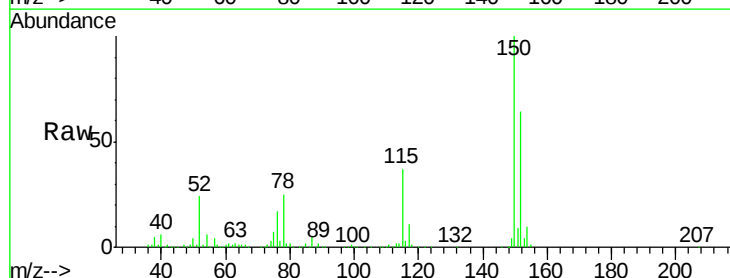
Instrument :
MSVOA_N
ClientSampleId :
HD-02-041119

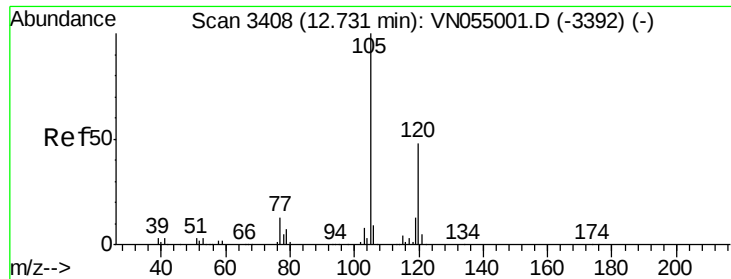
Tot Ion:106 Resp: 23853
Ion Ratio Lower Upper
106 100
91 210.5 109.9 329.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN055013.D
Acq: 12 Apr 2019 21:32

Tgt Ion:152 Resp: 245141
Ion Ratio Lower Upper
152 100
115 57.6 28.5 85.6
150 155.4 0.0 347.2





#80

1,3,5-Trimethylbenzene

Concen: 1.839 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055013.D

Acq: 12 Apr 2019 21:32

Instrument :

MSVOA_N

ClientSampled :

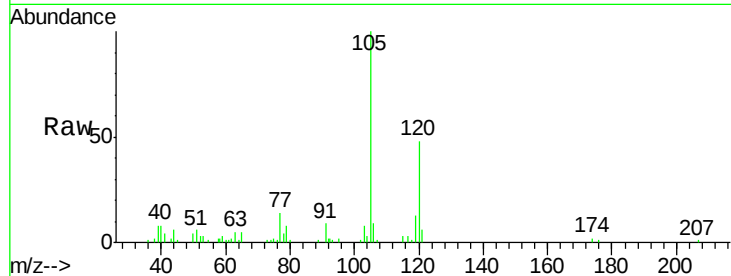
HD-02-041119

Tot Ion:105 Resp: 31202

Ion Ratio Lower Upper

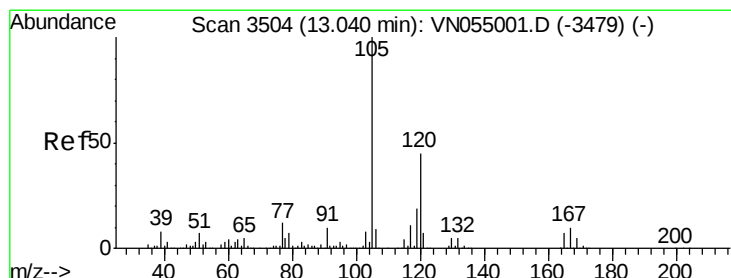
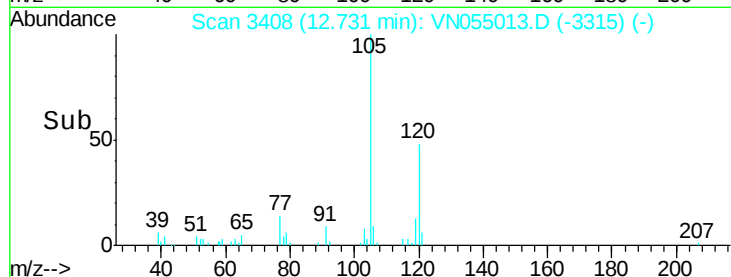
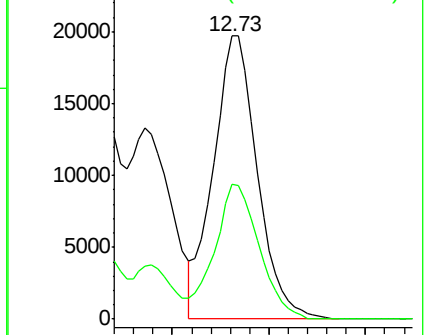
105 100

120 48.0 24.3 72.8



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: 8.422 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN055013.D

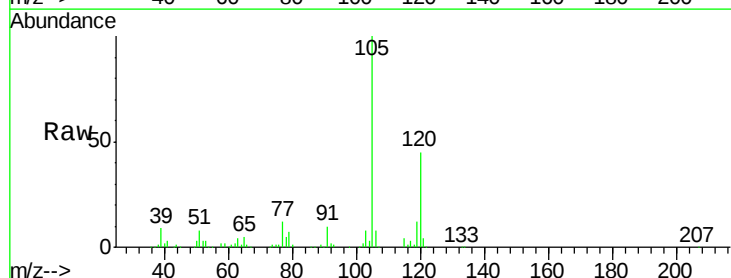
Acq: 12 Apr 2019 21:32

Tgt Ion:105 Resp: 137017

Ion Ratio Lower Upper

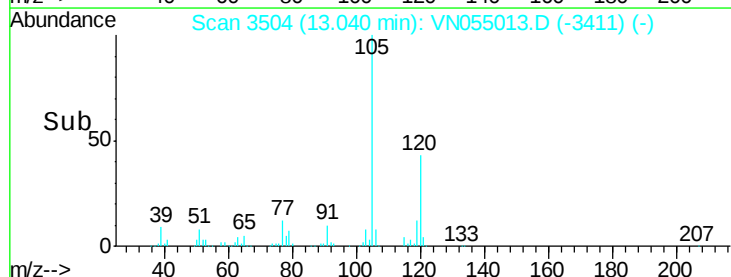
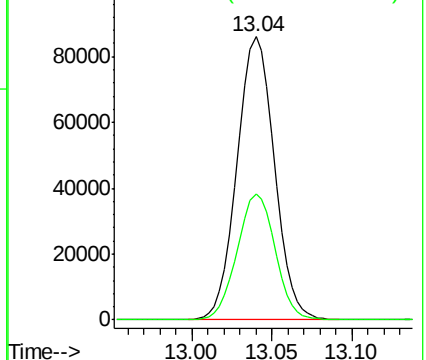
105 100

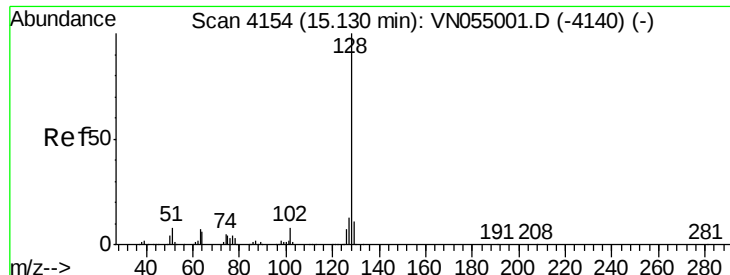
120 45.2 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 6.133 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055013.D

Acq: 12 Apr 2019 21:32

Instrument :

MSVOA_N

ClientSampleId :

HD-02-041119

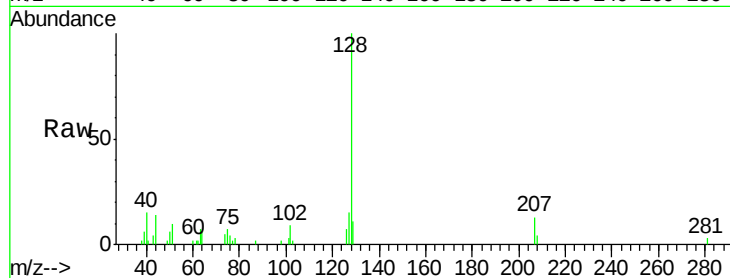
Tot Ion:128 Resp: 15059

Ion Ratio Lower Upper

128 100

127 13.1 10.1 15.1

129 11.5 8.8 13.2



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

