

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031619\
 Data File : VN054372.D
 Acq On : 17 Mar 2019 8:17
 Operator : JC/SP
 Sample : K1687-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 HR-05-031519-B

Quant Time: Mar 18 08:41:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1843635	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	2690291	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2264213	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	883880	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	915876	46.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.56%	
35) Dibromofluoromethane	7.59	113	809546	46.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.32%	
50) Toluene-d8	10.09	98	3097676	48.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.68%	
62) 4-Bromofluorobenzene	12.40	95	938363	41.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.70%	

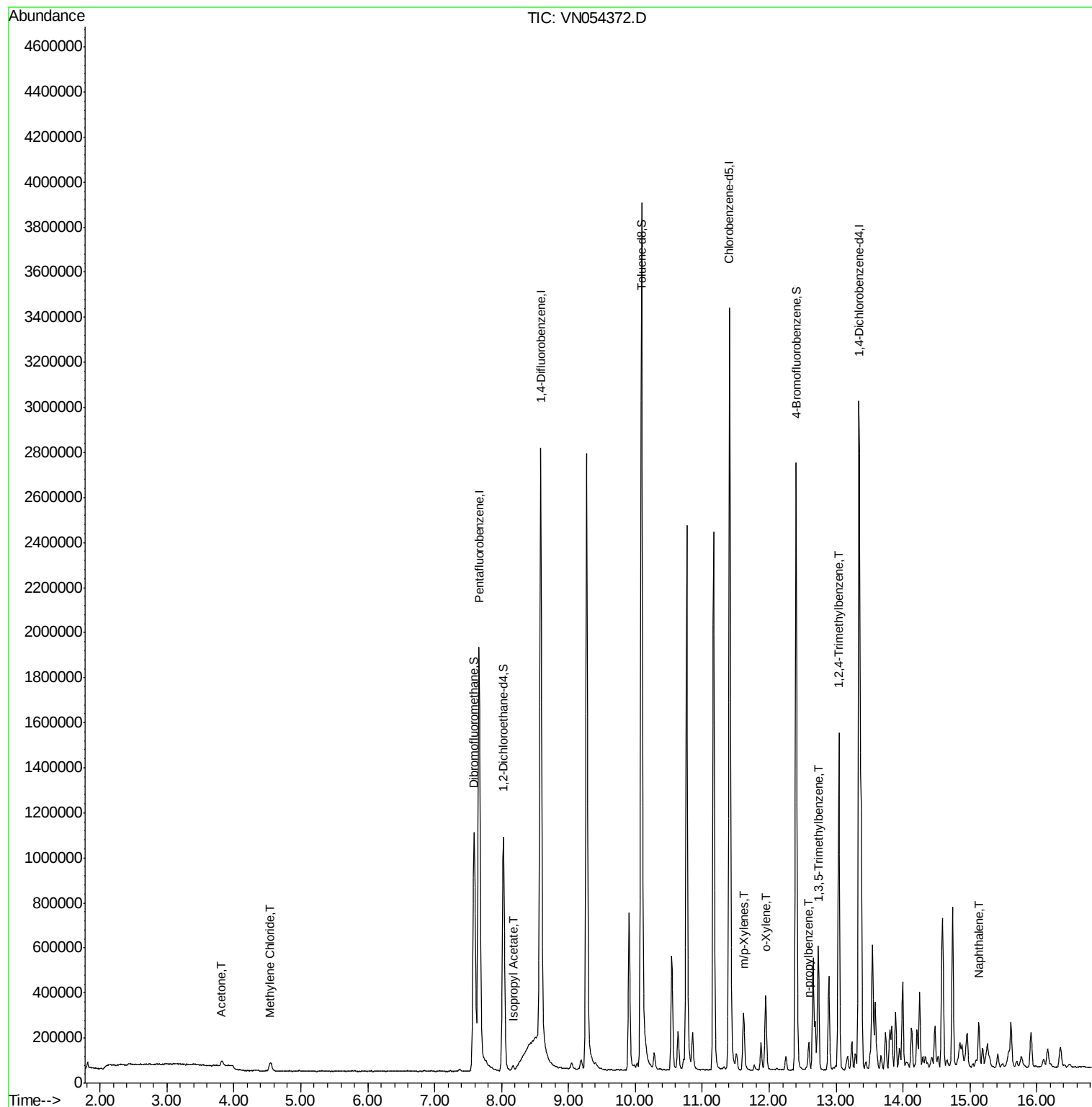
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	31032	5.535	ug/l	93
20) Methylene Chloride	4.55	84	30105	1.635	ug/l	97
43) Isopropyl Acetate	8.17	43	27704	1.109	ug/l	100
68) m/p-Xylenes	11.62	106	87563	2.718	ug/l	96
69) o-Xylene	11.95	106	99613	3.172	ug/l	96
78) n-propylbenzene	12.59	91	98638	1.285	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	312534	5.313	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	890280	15.428	ug/l	99
95) Naphthalene	15.13	128	176842	7.715	ug/l	99

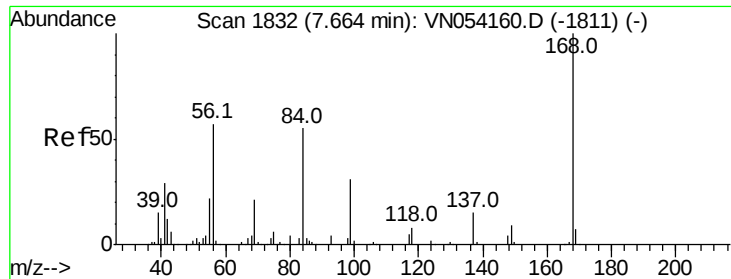
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054372.D

Acq: 17 Mar 2019 8:17

Instrument :

MSVOA_N

ClientSampleId :

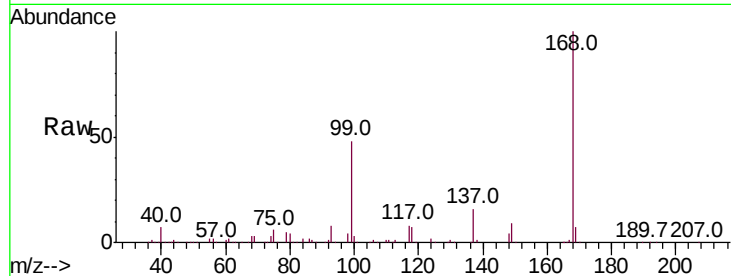
HR-05-031519-B

Tot Ion:168 Resp: 1843635

Ion Ratio Lower Upper

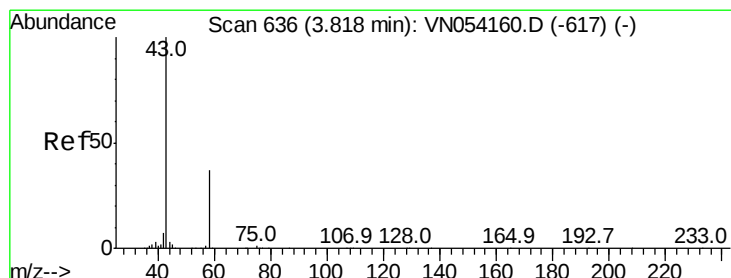
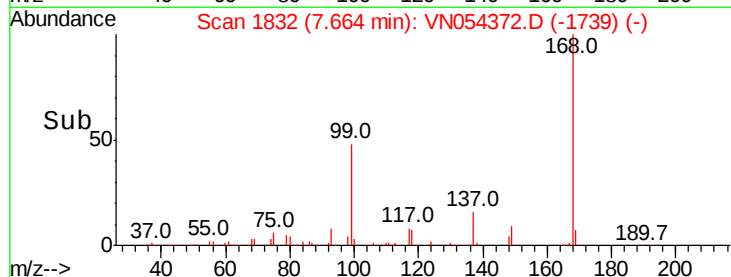
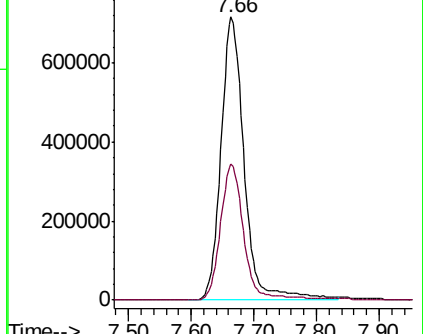
168 100

99 47.9 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 5.535 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054372.D

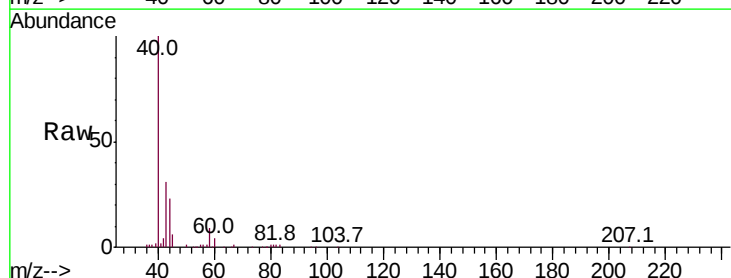
Acq: 17 Mar 2019 8:17

Tgt Ion: 43 Resp: 31032

Ion Ratio Lower Upper

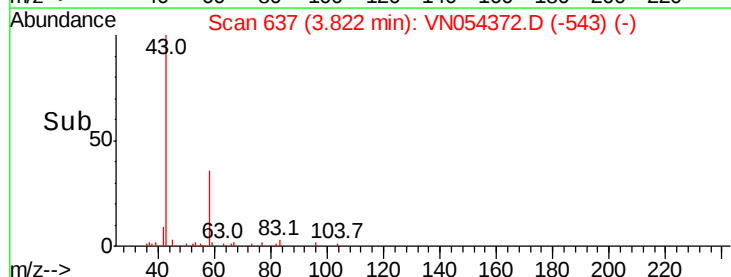
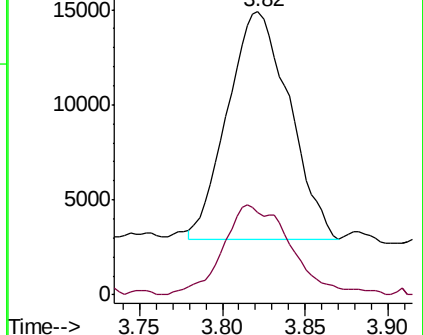
43 100

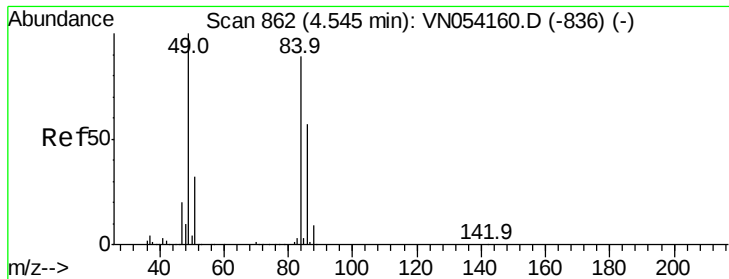
58 33.1 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#20

Methylene Chloride

Concen: 1.635 ug/l

RT: 4.55 min Scan# 863

Delta R.T. 0.00 min

Lab File: VN054372.D

Acq: 17 Mar 2019 8:17

Instrument :

MSVOA_N

ClientSampled :

HR-05-031519-B

Tot Ion: 84 Resp: 30105

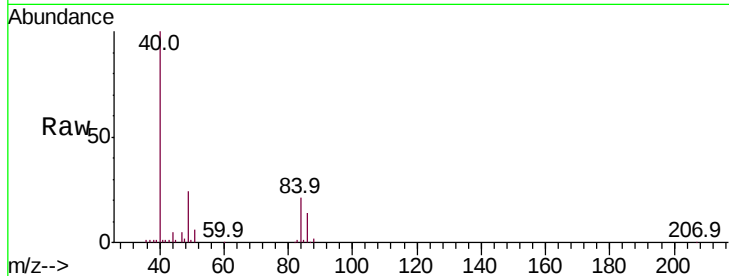
Ion Ratio Lower Upper

84 100

49 112.5 89.7 134.5

51 30.1 28.2 42.4

86 65.8 50.8 76.2

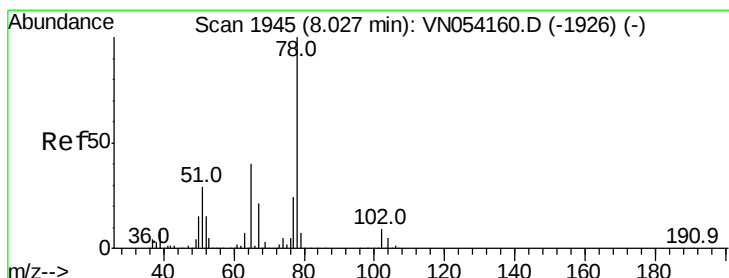
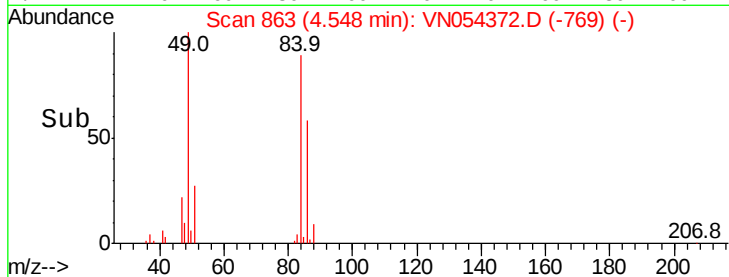
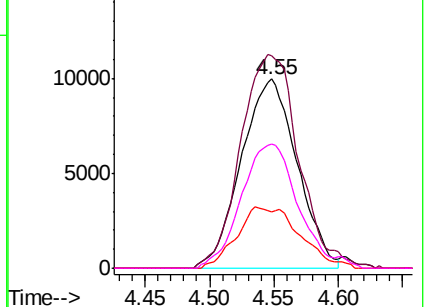


Abundance Ion 83.90 (83.60 to 84.60): VN0

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: 46.777 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054372.D

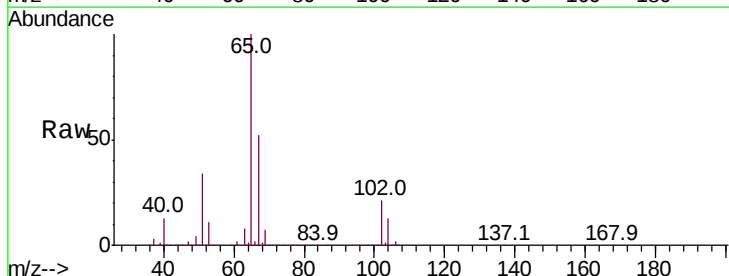
Acq: 17 Mar 2019 8:17

Tgt Ion: 65 Resp: 915876

Ion Ratio Lower Upper

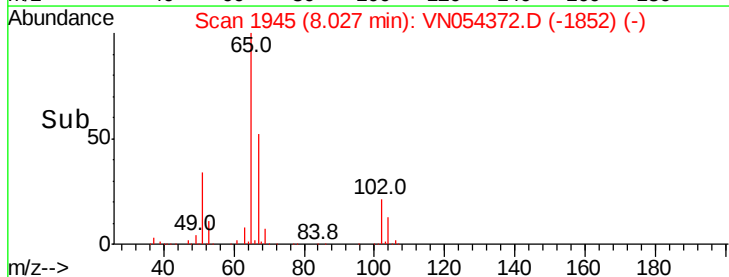
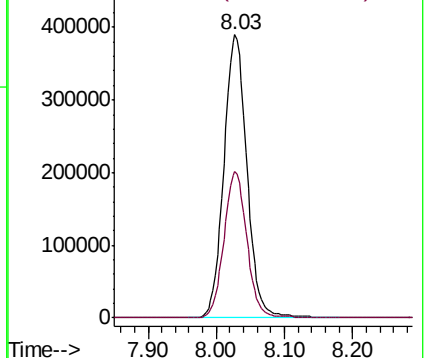
65 100

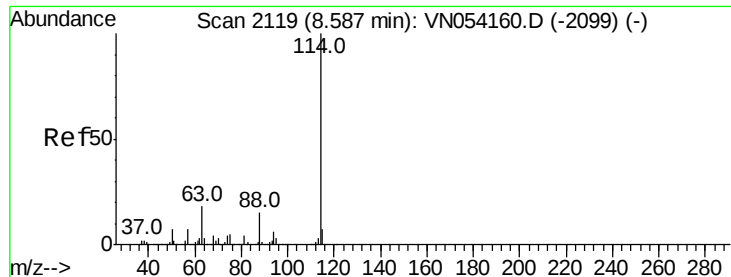
67 51.6 0.0 104.6



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: 8.58 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054372.D

Acq: 17 Mar 2019 8:17

Instrument :

MSVOA_N

ClientSampleId :

HR-05-031519-B

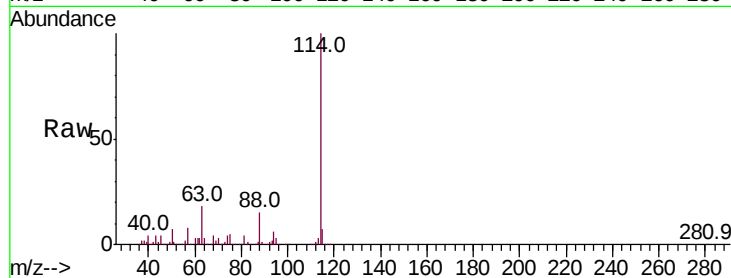
Tot Ion:114 Resp: 2690291

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.2

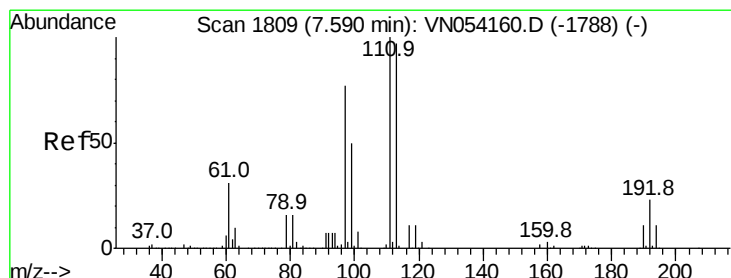
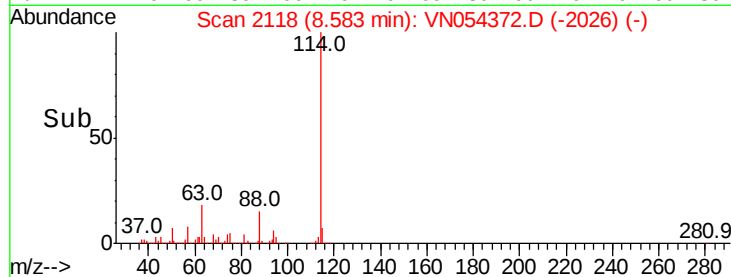
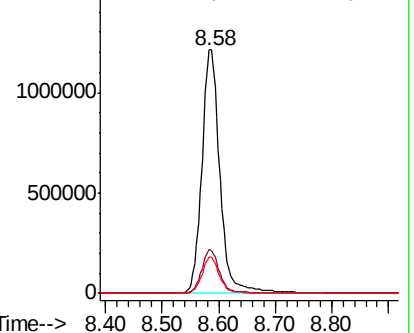
88 14.8 0.0 30.2



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: 46.656 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054372.D

Acq: 17 Mar 2019 8:17

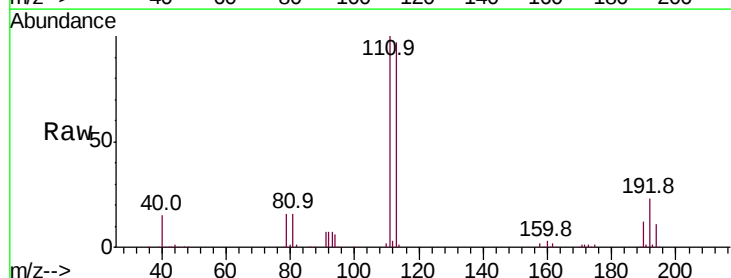
Tgt Ion:113 Resp: 809546

Ion Ratio Lower Upper

113 100

111 101.1 82.2 123.4

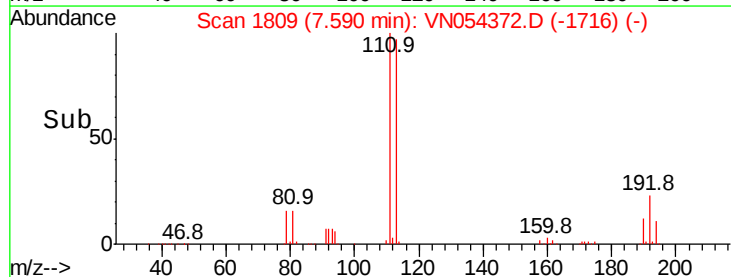
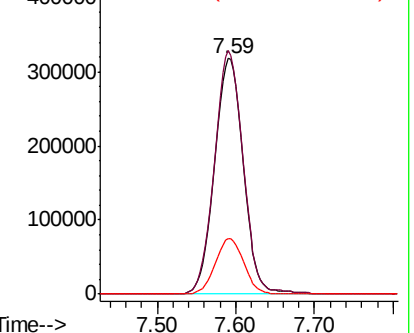
192 23.4 19.2 28.8

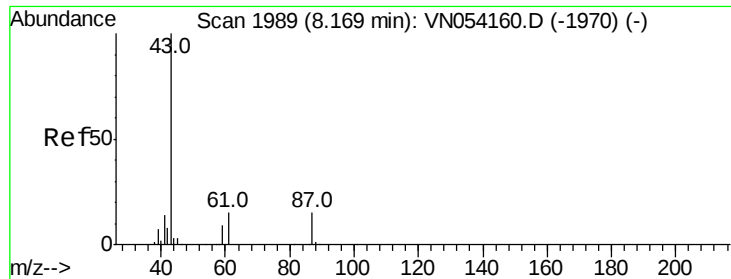


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 1.109 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054372.D

Acq: 17 Mar 2019 8:17

Instrument :

MSVOA_N

ClientSampled :

HR-05-031519-B

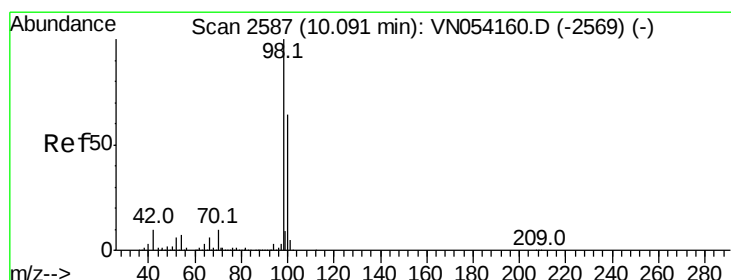
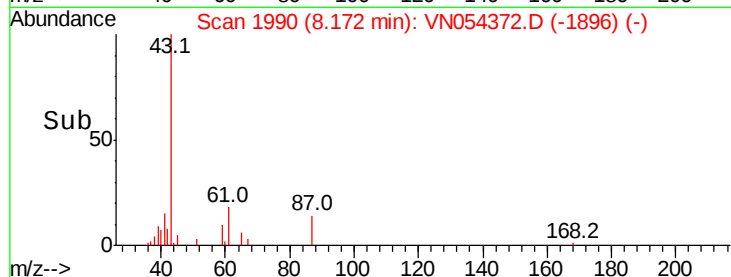
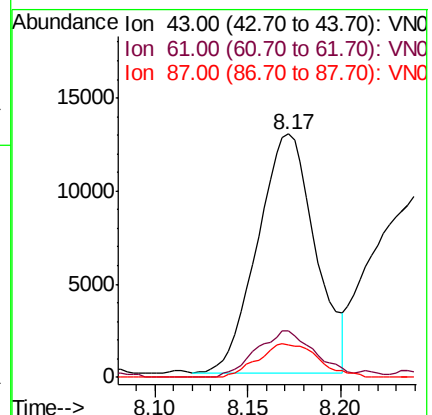
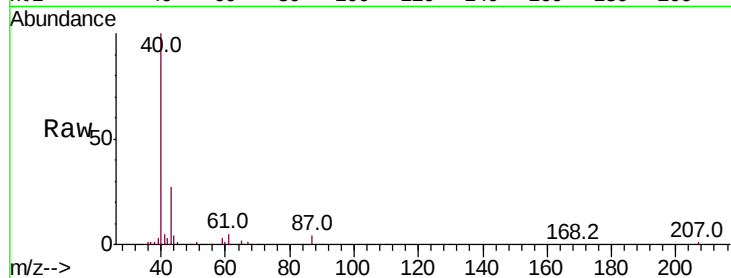
Tot Ion: 43 Resp: 27704

Ion Ratio Lower Upper

43 100

61 19.8 15.8 23.8

87 14.7 12.0 18.0



#50

Toluene-d8

Concen: 48.340 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054372.D

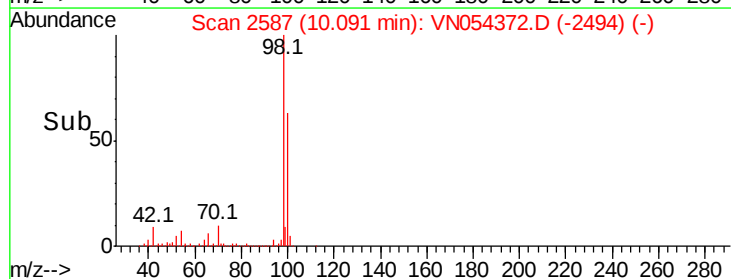
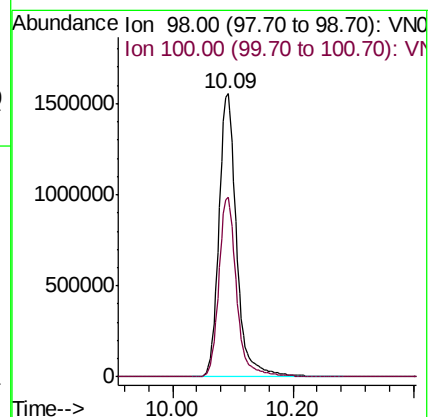
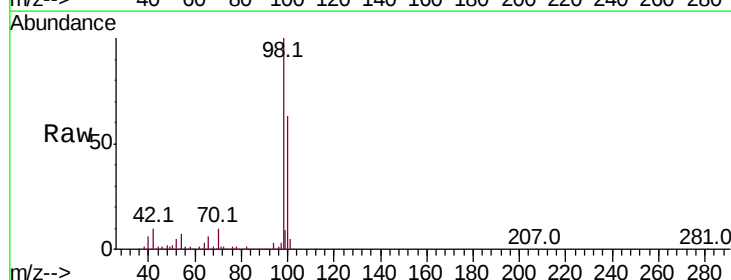
Acq: 17 Mar 2019 8:17

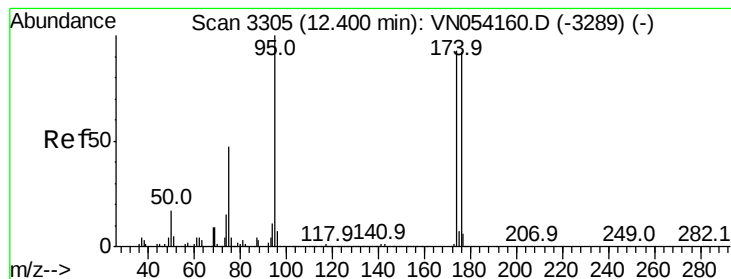
Tgt Ion: 98 Resp: 3097676

Ion Ratio Lower Upper

98 100

100 63.8 51.2 76.8





#62

4-Bromofluorobenzene

Concen: 41.850 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054372.D

Acq: 17 Mar 2019 8:17

Instrument :

MSVOA_N

ClientSampled :

HR-05-031519-B

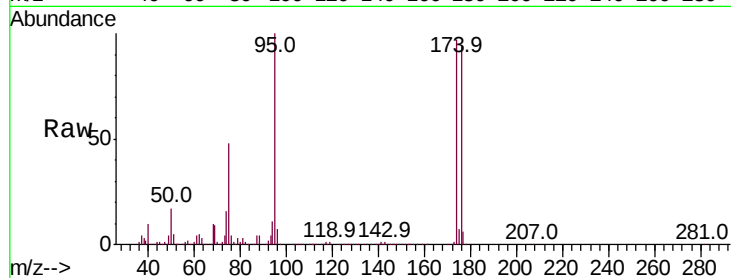
Tot Ion: 95 Resp: 938363

Ion Ratio Lower Upper

95 100

174 96.4 0.0 191.0

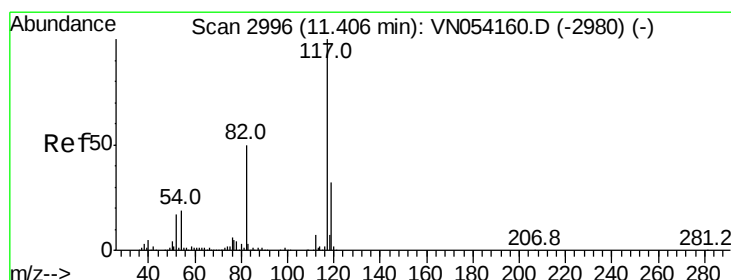
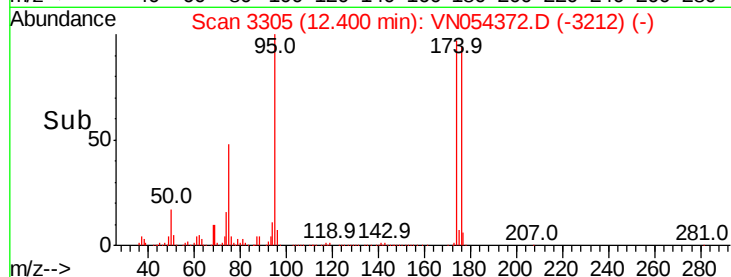
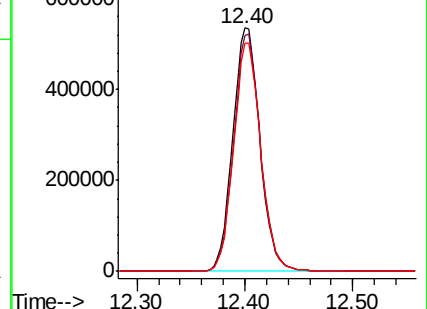
176 93.5 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054372.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN054372.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN054372.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054372.D

Acq: 17 Mar 2019 8:17

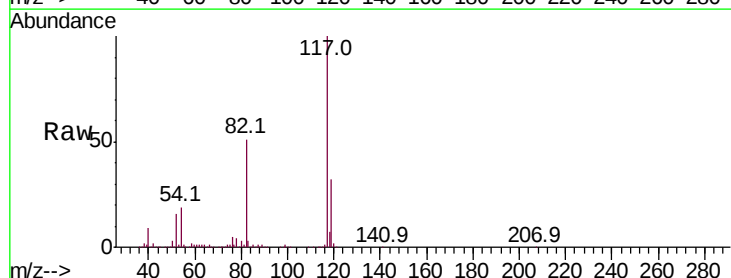
Tgt Ion: 117 Resp: 2264213

Ion Ratio Lower Upper

117 100

82 50.8 40.0 60.0

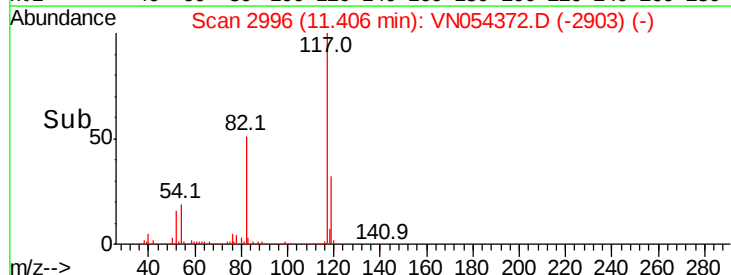
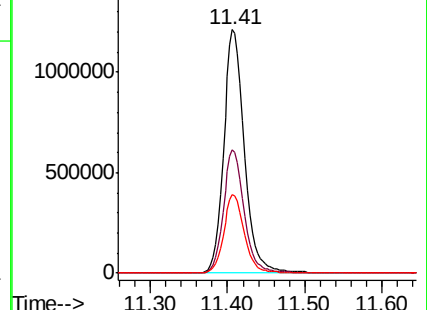
119 32.2 25.8 38.6

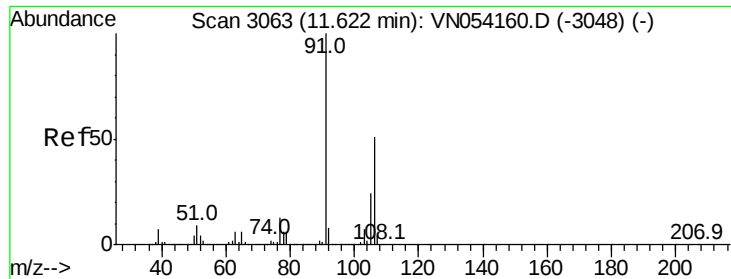


Abundance Ion 116.90 (116.60 to 117.60): VN054372.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN054372.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN054372.D (-2903) (-)

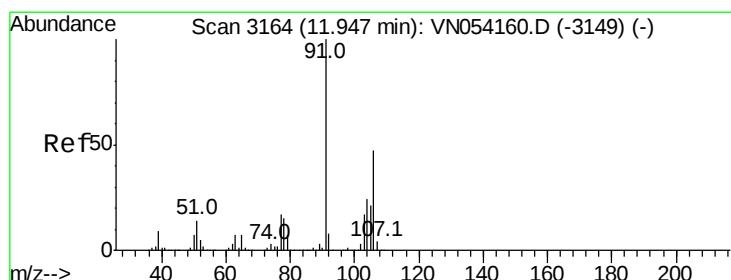
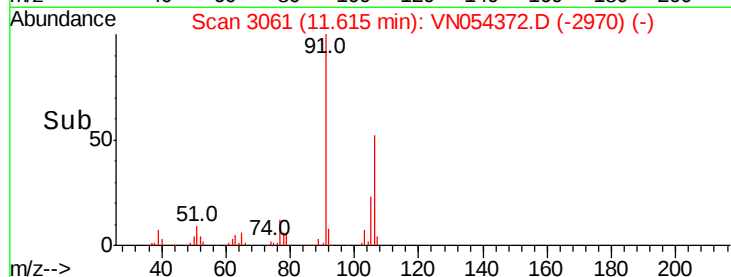
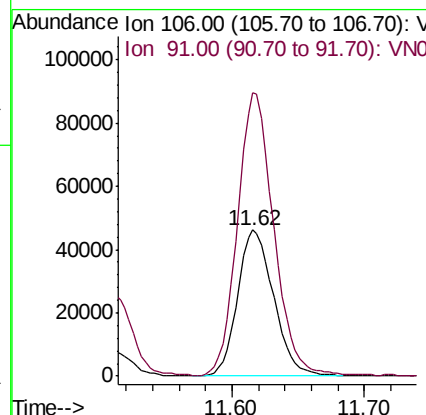
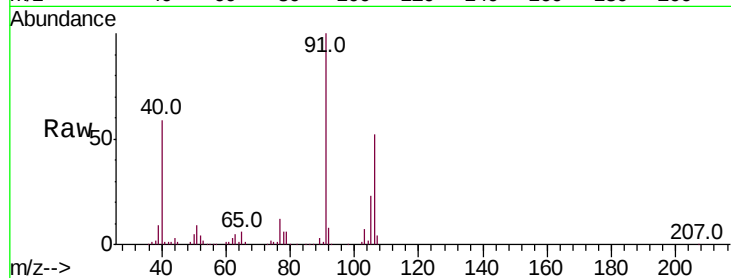




#68
m/p-Xylenes
Concen: 2.718 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.01 min
Lab File: VN054372.D
Acq: 17 Mar 2019 8:17

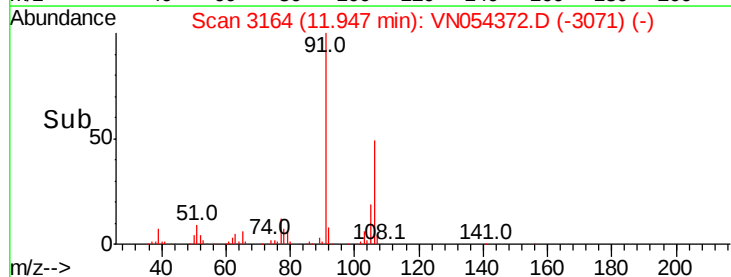
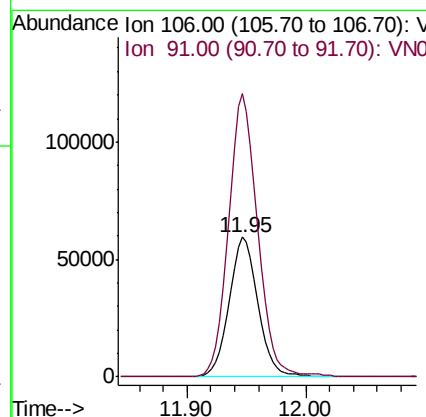
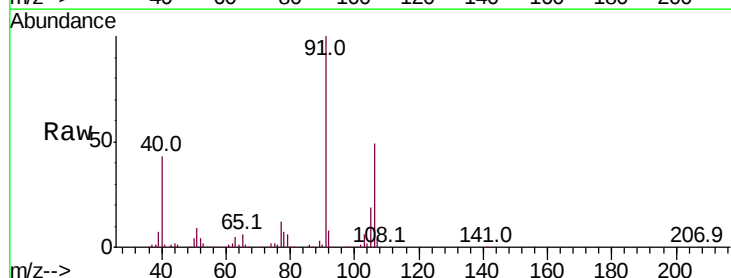
Instrument :
MSVOA_N
ClientSampleId :
HR-05-031519-B

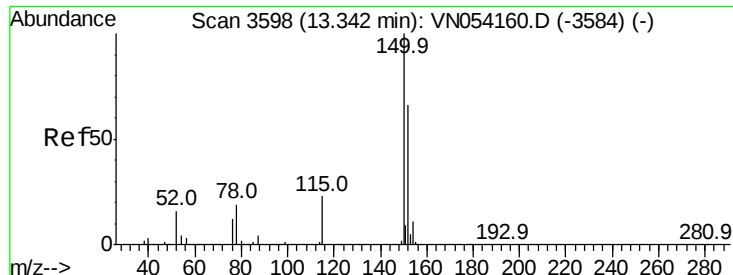
Tot Ion:106 Resp: 87563
Ion Ratio Lower Upper
106 100
91 193.0 159.4 239.2



#69
o-Xylene
Concen: 3.172 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054372.D
Acq: 17 Mar 2019 8:17

Tgt Ion:106 Resp: 99613
Ion Ratio Lower Upper
106 100
91 204.9 105.7 317.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054372.D

Acq: 17 Mar 2019 8:17

Instrument :

MSVOA_N

ClientSampleId :

HR-05-031519-B

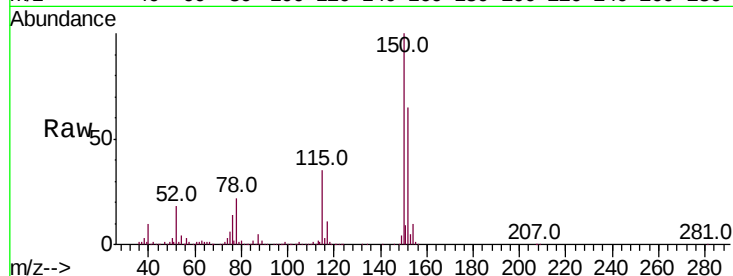
Tot Ion:152 Resp: 883880

Ion Ratio Lower Upper

152 100

115 57.8 27.2 81.6

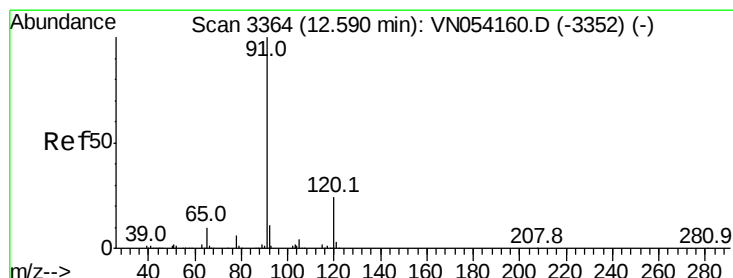
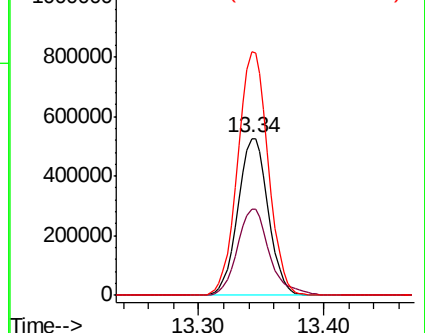
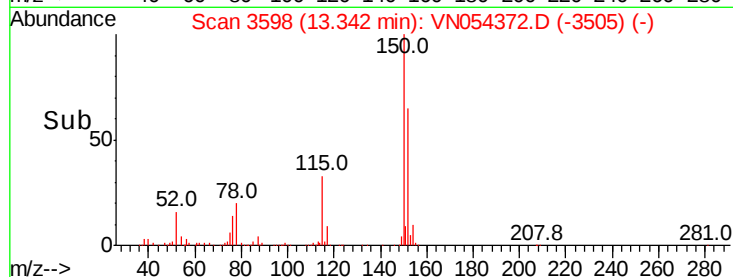
150 155.5 0.0 349.2



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



#78

n-propylbenzene

Concen: 1.285 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054372.D

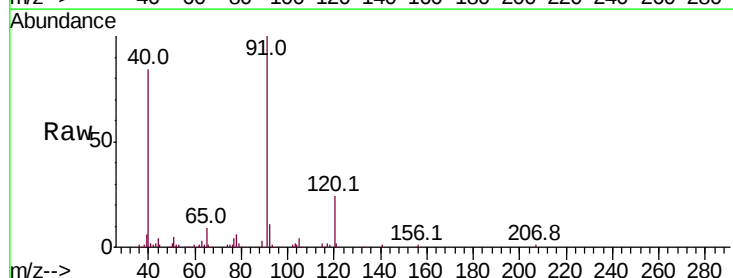
Acq: 17 Mar 2019 8:17

Tgt Ion: 91 Resp: 98638

Ion Ratio Lower Upper

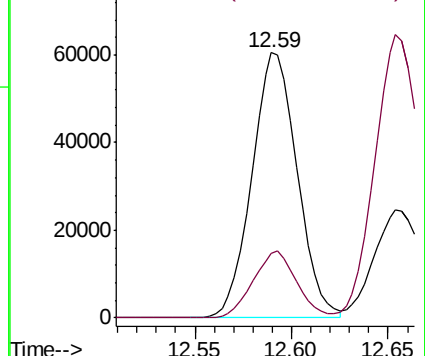
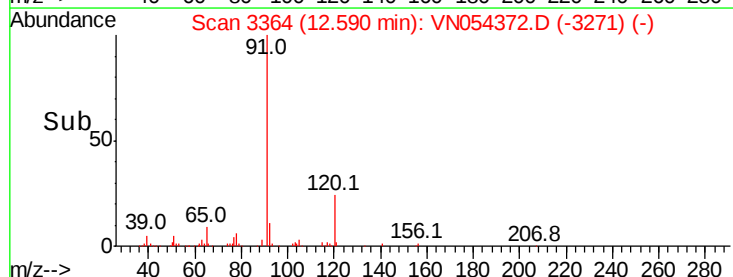
91 100

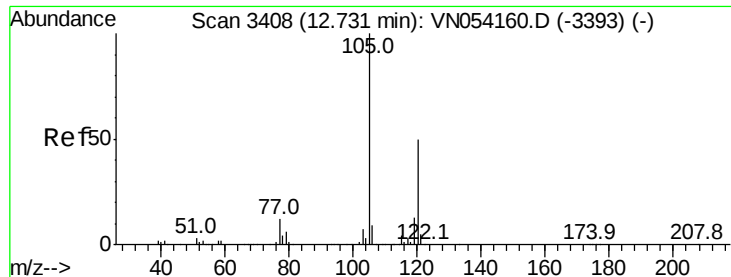
120 24.3 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 5.313 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054372.D

Acq: 17 Mar 2019 8:17

Instrument :

MSVOA_N

ClientSampleId :

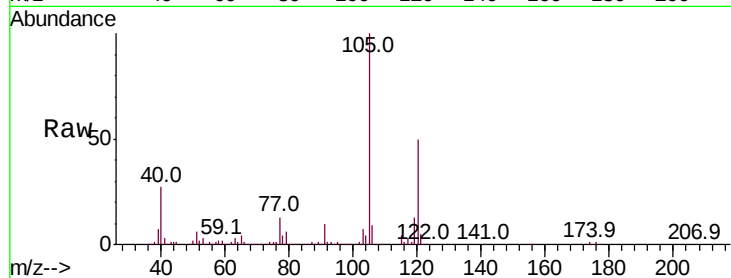
HR-05-031519-B

Tot Ion:105 Resp: 312534

Ion Ratio Lower Upper

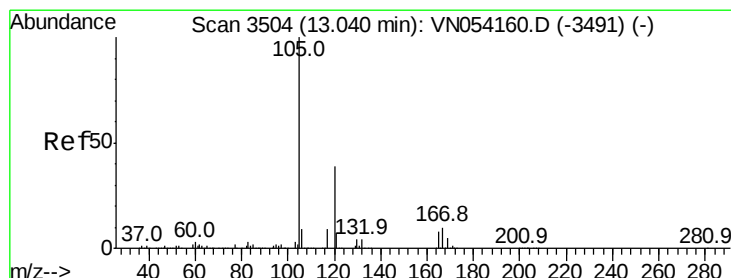
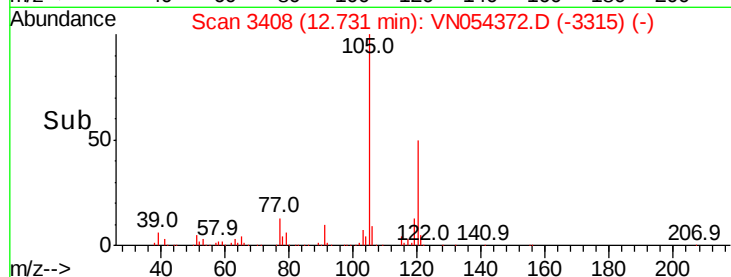
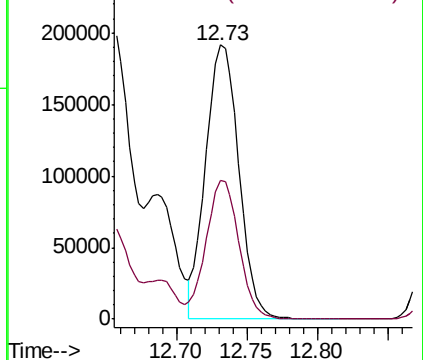
105 100

120 50.4 25.0 75.0



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: 15.428 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054372.D

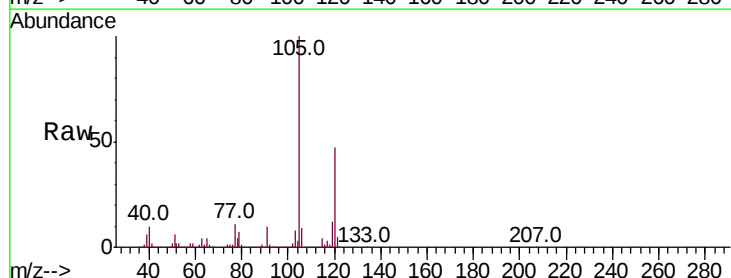
Acq: 17 Mar 2019 8:17

Tgt Ion:105 Resp: 890280

Ion Ratio Lower Upper

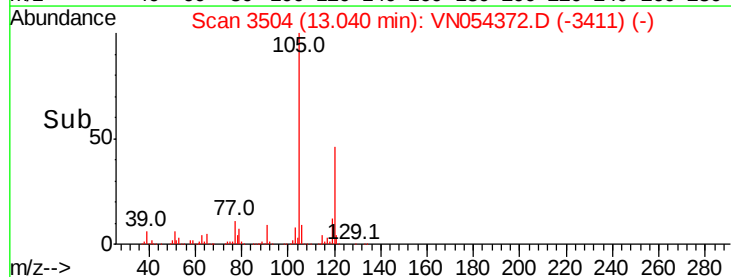
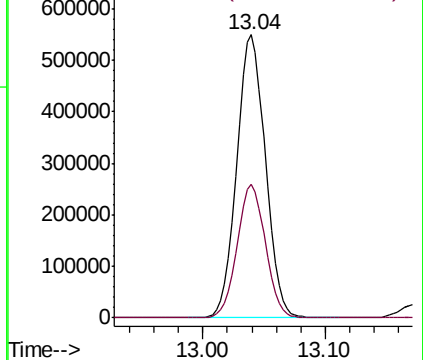
105 100

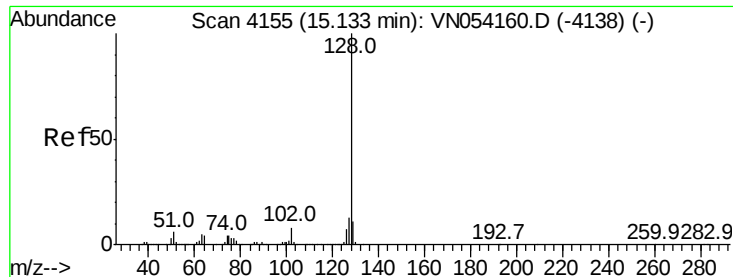
120 46.4 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 7.715 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054372.D

Acq: 17 Mar 2019 8:17

Instrument :

MSVOA_N

ClientSampleId :

HR-05-031519-B

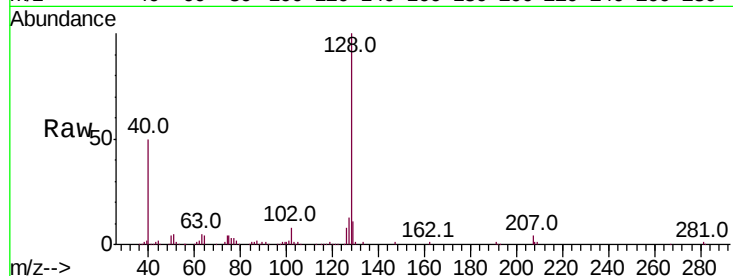
Tot Ion:128 Resp: 176842

Ion Ratio Lower Upper

128 100

127 13.0 10.1 15.1

129 11.2 8.7 13.1



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

