

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031619\
 Data File : VN054346.D
 Acq On : 16 Mar 2019 19:30
 Operator : JC/SP
 Sample : K1960-16
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-13-8.0-031519

Quant Time: Mar 18 07:16:20 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	7.67	168	1849828	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2600238	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2134032	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	794710	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	870258	44.30	ug/l	0.00
Spiked Amount			Recovery	=	88.60%	
35) Dibromofluoromethane	7.59	113	780013	46.51	ug/l	0.00
Spiked Amount			Recovery	=	93.02%	
50) Toluene-d8	10.09	98	2977957	48.08	ug/l	0.00
Spiked Amount			Recovery	=	96.16%	
62) 4-Bromofluorobenzene	12.40	95	888489	41.00	ug/l	0.00
Spiked Amount			Recovery	=	82.00%	

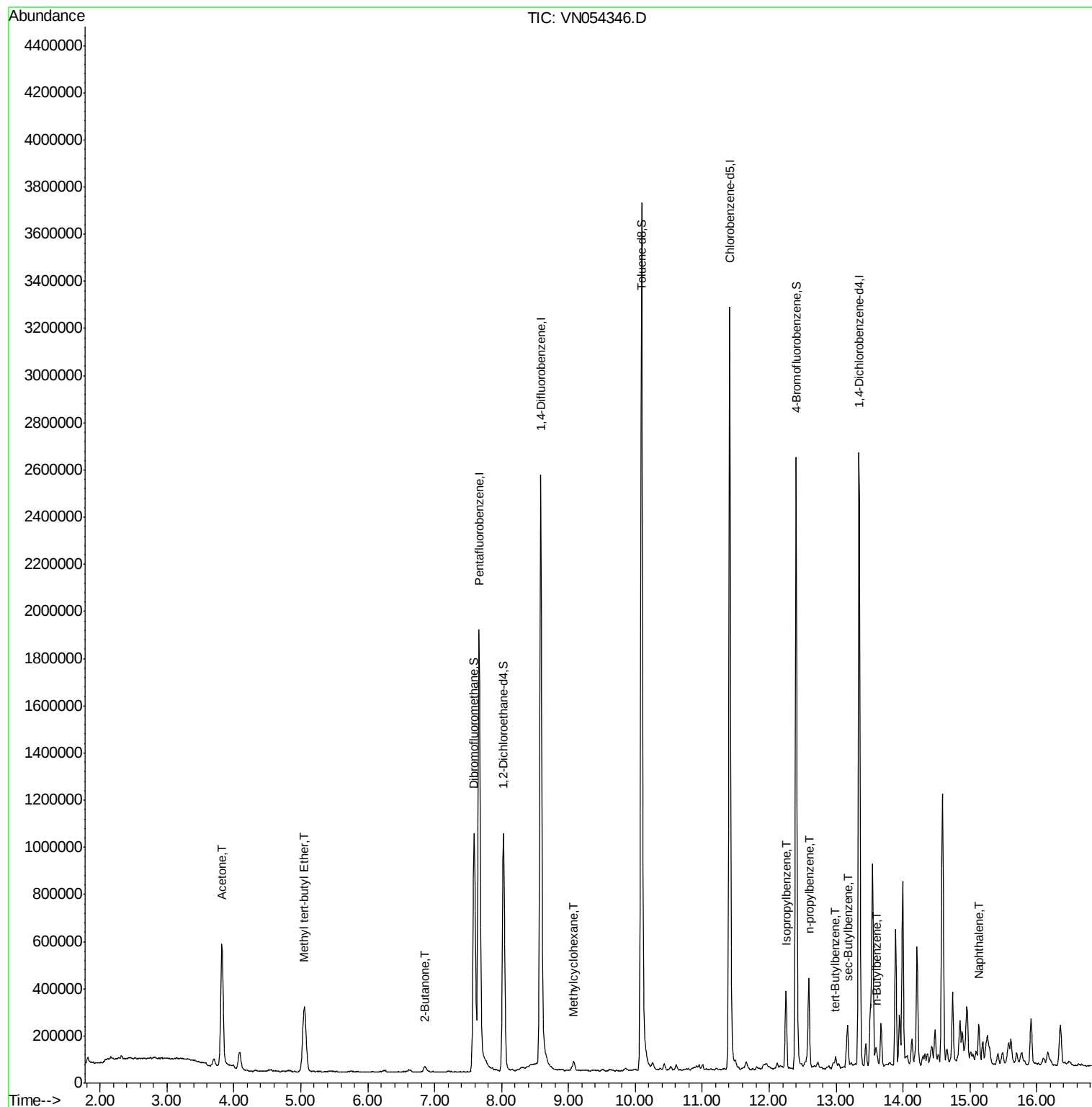
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	843070	149.882	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	495498	10.402	ug/l	99
25) 2-Butanone	6.86	43	32945	4.990	ug/l	96
39) Methylcyclohexane	9.08	83	20125	0.683	ug/l #	89
73) Isopropylbenzene	12.25	105	229718	3.613	ug/l	99
78) n-propylbenzene	12.59	91	304037	4.407	ug/l	99
83) tert-Butylbenzene	12.99	119	24869	0.511	ug/l	98
85) sec-Butylbenzene	13.17	105	119213	1.888	ug/l	85
89) n-Butylbenzene	13.61	91	26632	0.633	ug/l #	69
95) Naphthalene	15.13	128	152665	7.546	ug/l	99

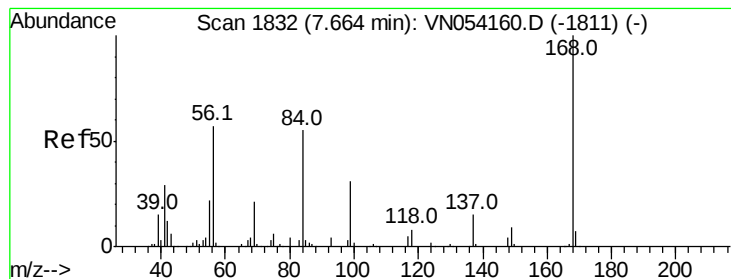
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054346.D

Acq: 16 Mar 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

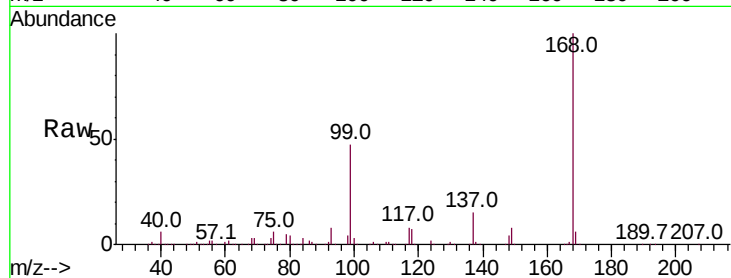
T11-MW-13-8.0-031519

Tot Ion:168 Resp: 1849828

Ion Ratio Lower Upper

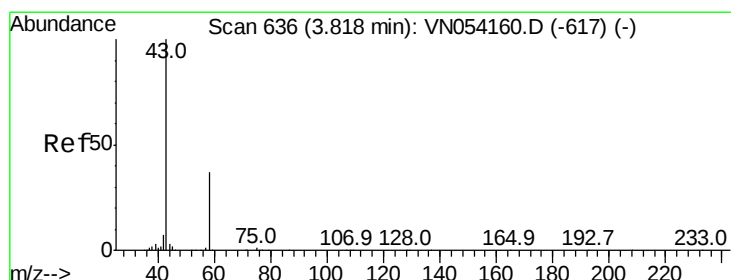
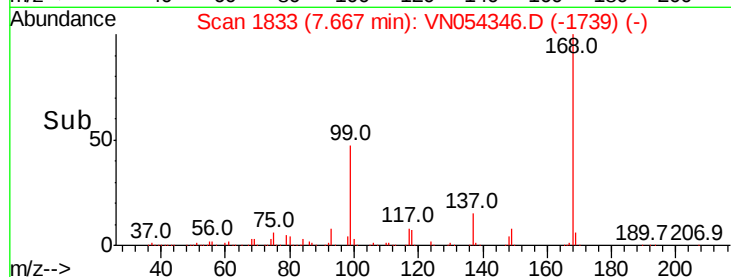
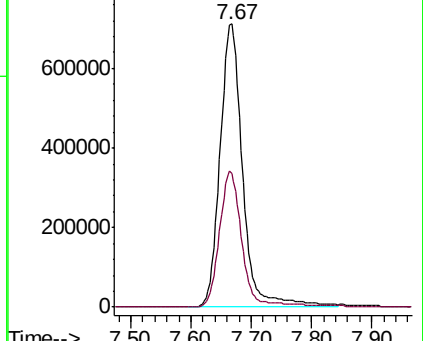
168 100

99 47.1 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 149.882 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054346.D

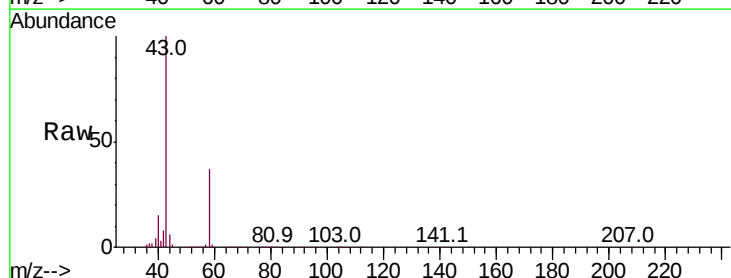
Acq: 16 Mar 2019 19:30

Tgt Ion: 43 Resp: 843070

Ion Ratio Lower Upper

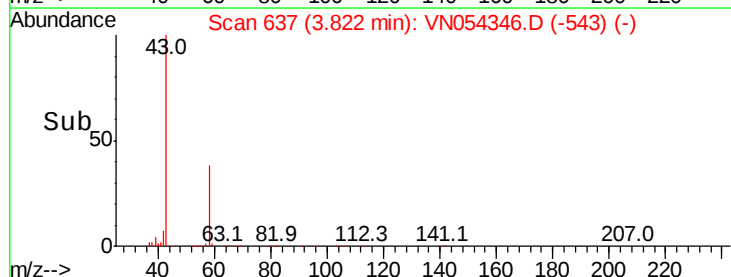
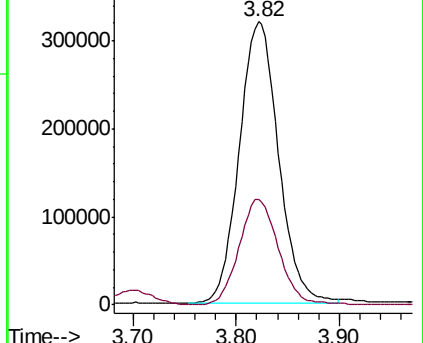
43 100

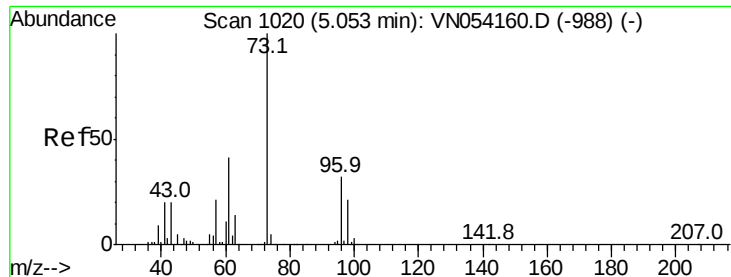
58 37.3 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

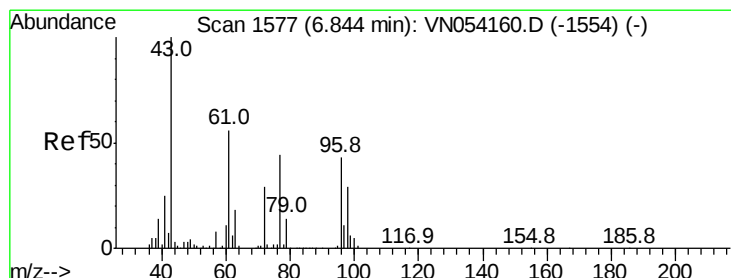
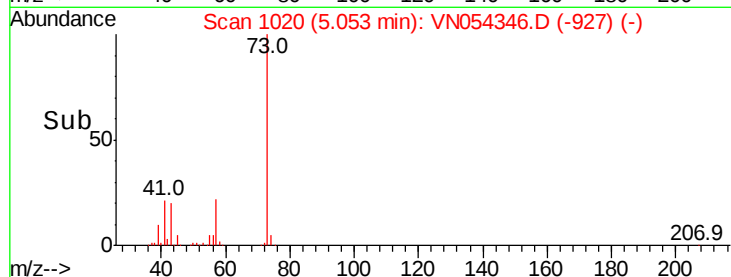
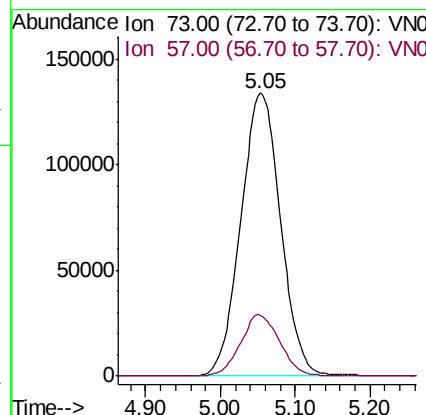
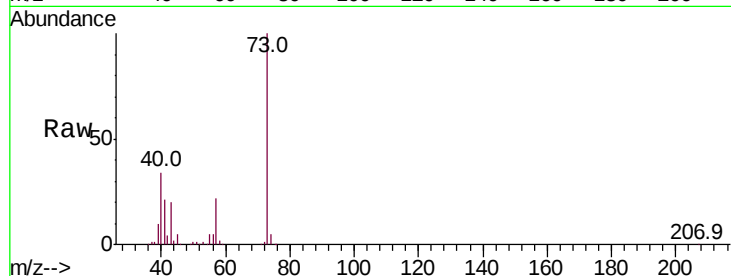




#19
Methvl tert-butvl Ether
Concen: 10.402 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054346.D
Acq: 16 Mar 2019 19:30

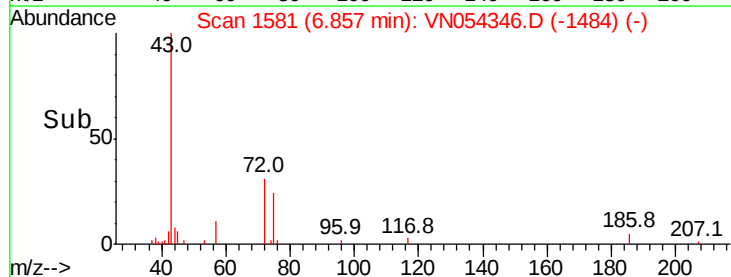
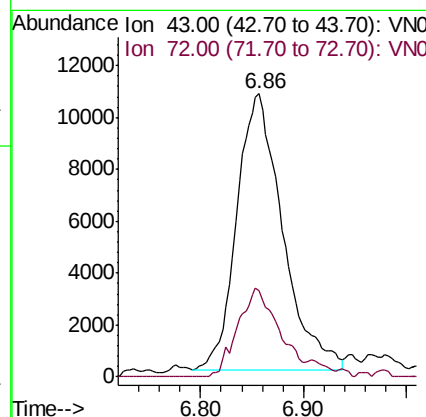
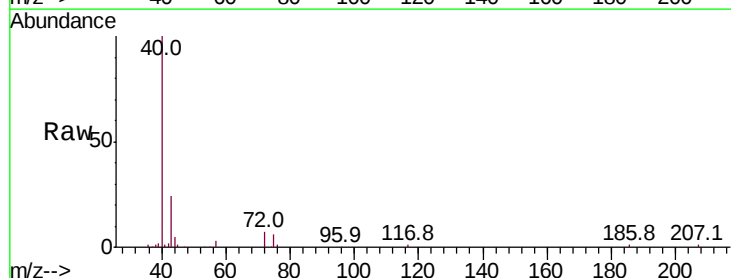
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-13-8.0-031519

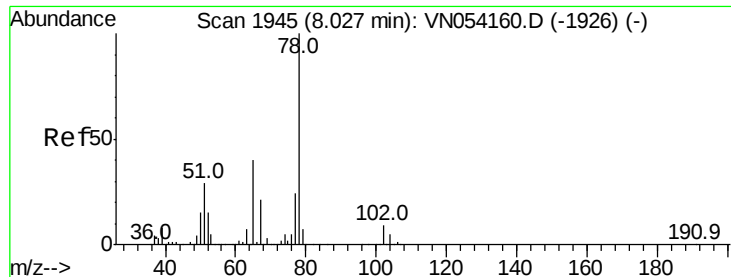
Tot Ion: 73 Resp: 495498
Ion Ratio Lower Upper
73 100
57 21.6 16.8 25.2



#25
2-Butanone
Concen: 4.990 ug/l
RT: 6.86 min Scan# 1581
Delta R.T. 0.01 min
Lab File: VN054346.D
Acq: 16 Mar 2019 19:30

Tgt Ion: 43 Resp: 32945
Ion Ratio Lower Upper
43 100
72 31.1 23.0 34.6





#33

1,2-Dichloroethane-d4

Concen: 44.299 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054346.D

Acq: 16 Mar 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

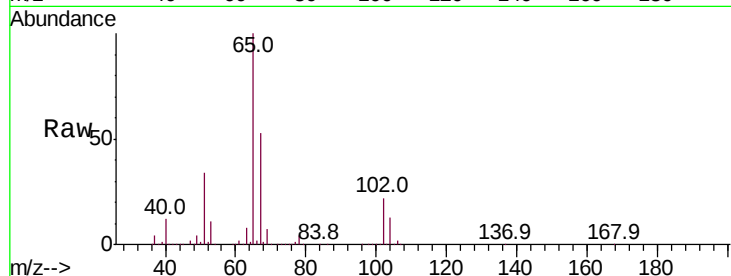
T11-MW-13-8.0-031519

Tot Ion: 65 Resp: 870258

Ion Ratio Lower Upper

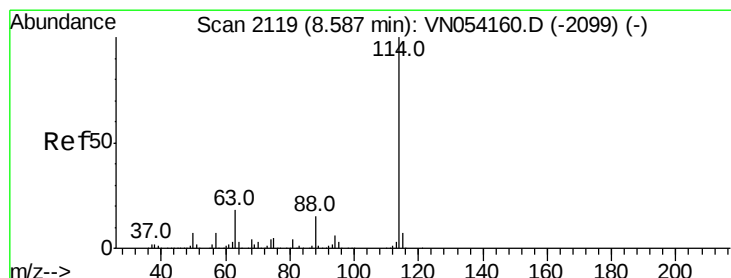
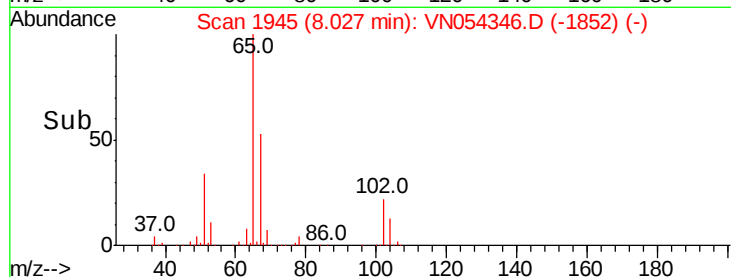
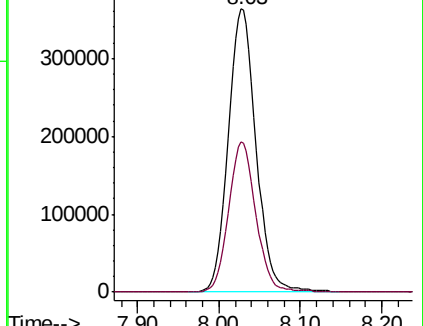
65 100

67 52.1 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN054346.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN054346.D (-1926) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054346.D

Acq: 16 Mar 2019 19:30

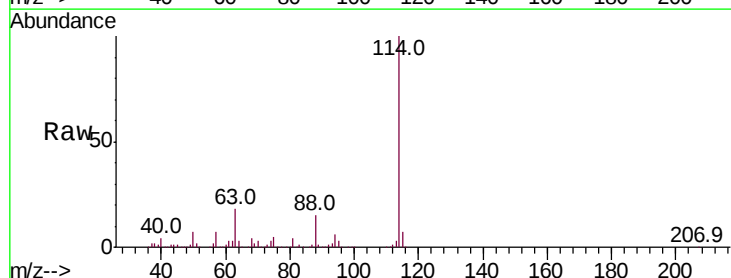
Tgt Ion: 114 Resp: 2600238

Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.2

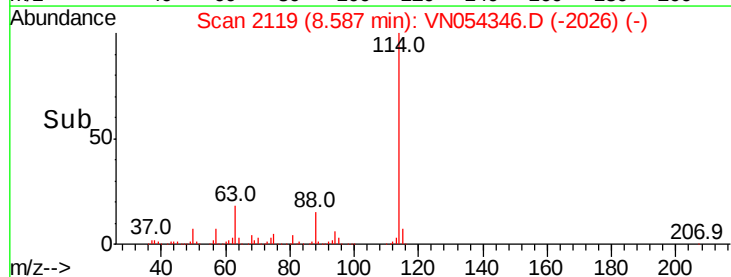
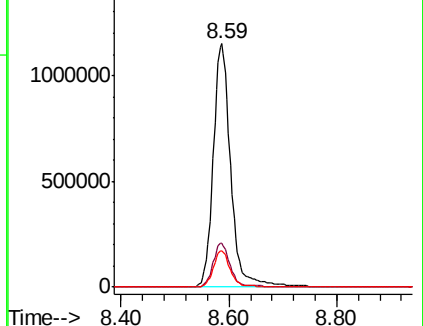
88 15.0 0.0 30.2

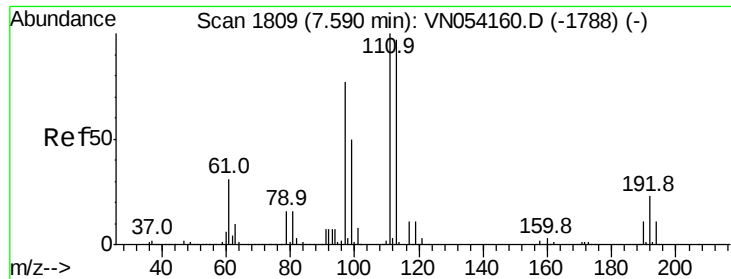


Abundance Ion 113.90 (113.60 to 114.60): VN054346.D (-2099) (-)

Ion 63.00 (62.70 to 63.70): VN054346.D (-2099) (-)

Ion 87.90 (87.60 to 88.60): VN054346.D (-2099) (-)





#35

Dibromofluoromethane

Concen: 46.511 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054346.D

Acq: 16 Mar 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-13-8.0-031519

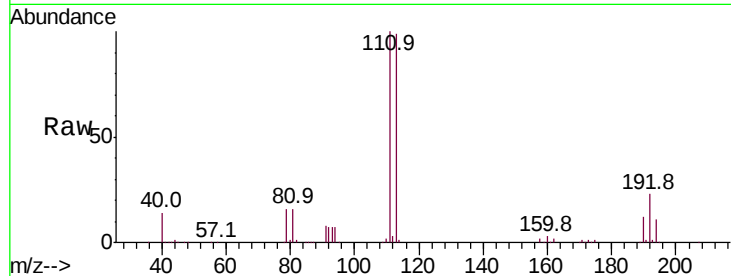
Tot Ion:113 Resp: 780013

Ion Ratio Lower Upper

113 100

111 101.5 82.2 123.4

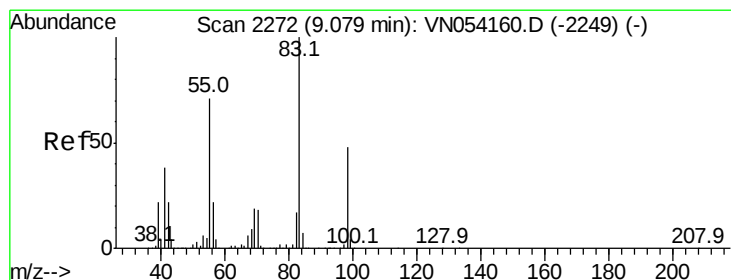
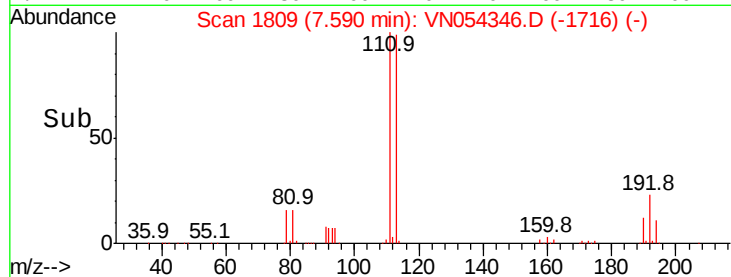
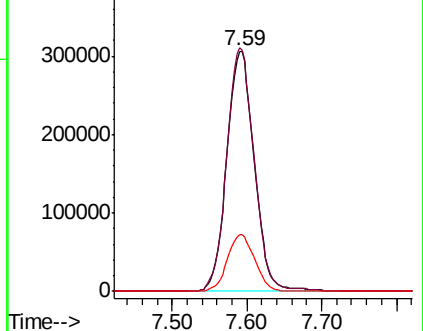
192 23.6 19.2 28.8



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



#39

Methylcyclohexane

Concen: 0.683 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN054346.D

Acq: 16 Mar 2019 19:30

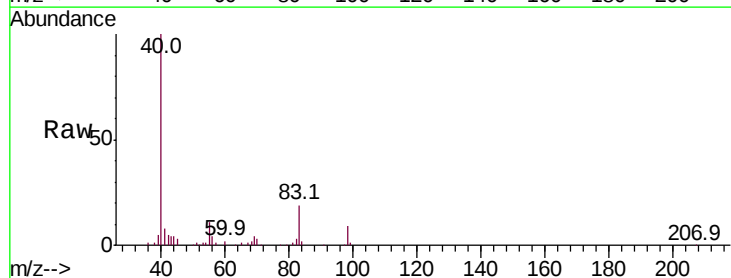
Tgt Ion: 83 Resp: 20125

Ion Ratio Lower Upper

83 100

55 56.5 56.6 84.8#

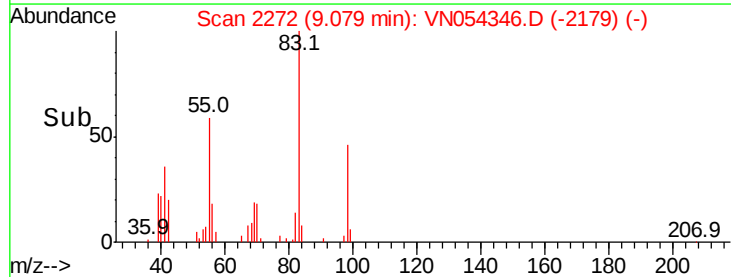
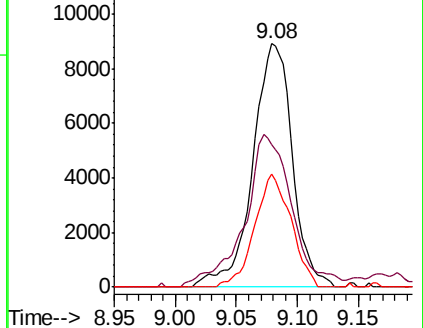
98 46.4 38.4 57.6

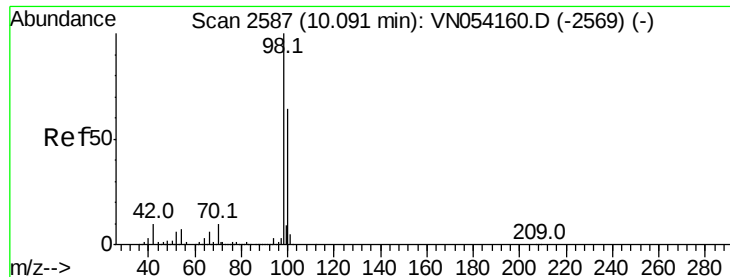


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#50

Toluene-d8

Concen: 48.081 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054346.D

Acq: 16 Mar 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

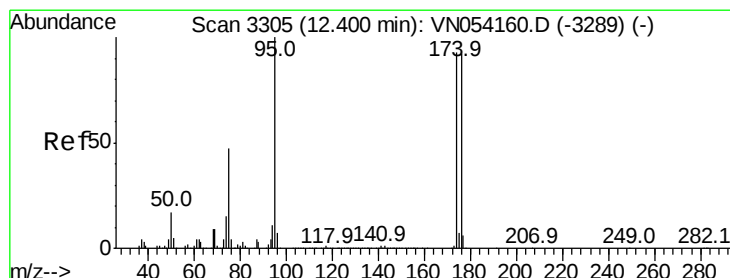
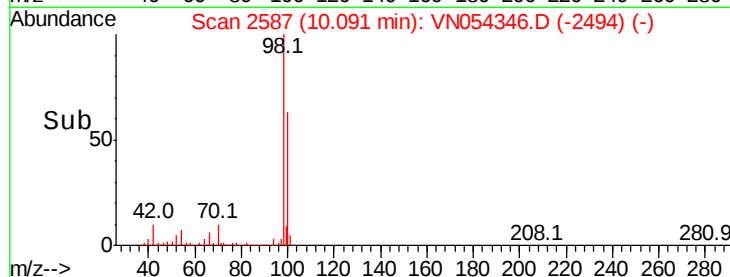
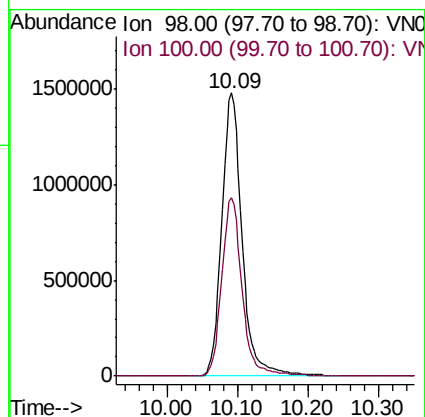
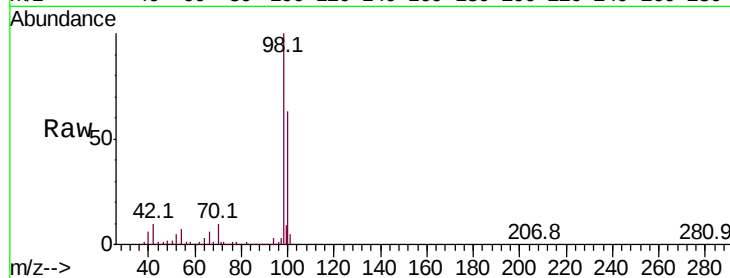
T11-MW-13-8.0-031519

Tot Ion: 98 Resp: 2977957

Ion Ratio Lower Upper

98 100

100 63.2 51.2 76.8



#62

4-Bromofluorobenzene

Concen: 40.998 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054346.D

Acq: 16 Mar 2019 19:30

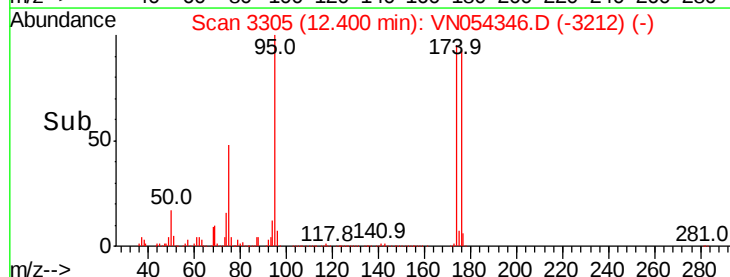
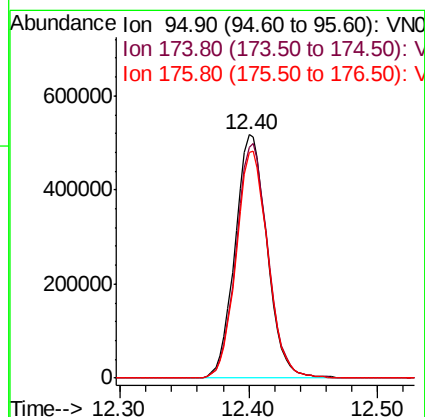
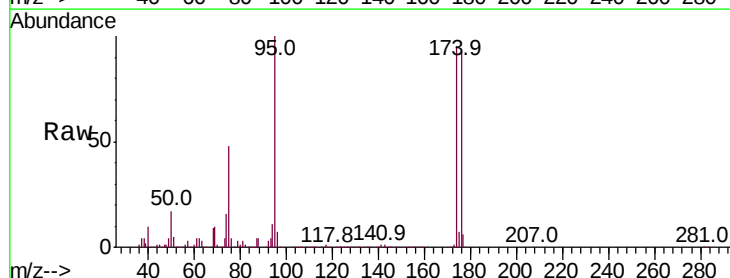
Tgt Ion: 95 Resp: 888489

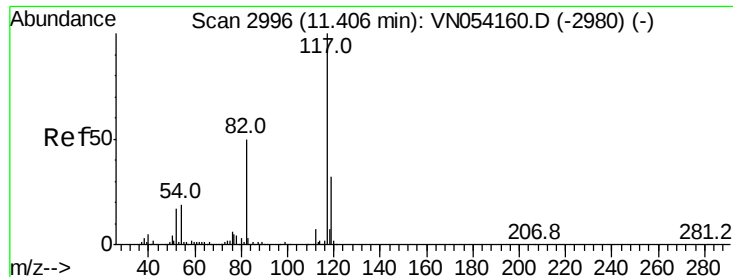
Ion Ratio Lower Upper

95 100

174 96.7 0.0 191.0

176 93.3 0.0 187.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN054346.D

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ClientSampleId :

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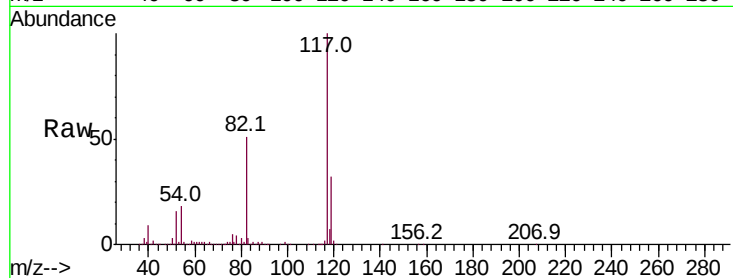
Tot Ion:117 Resp: 2134032

Ion Ratio Lower Upper

117 100

82 50.9 40.0 60.0

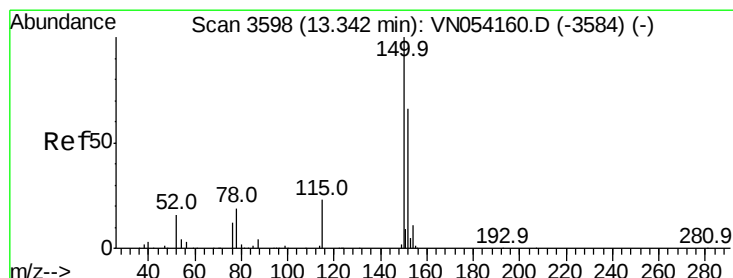
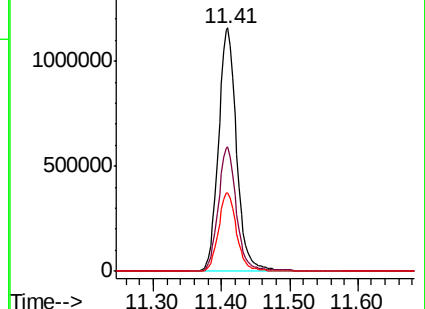
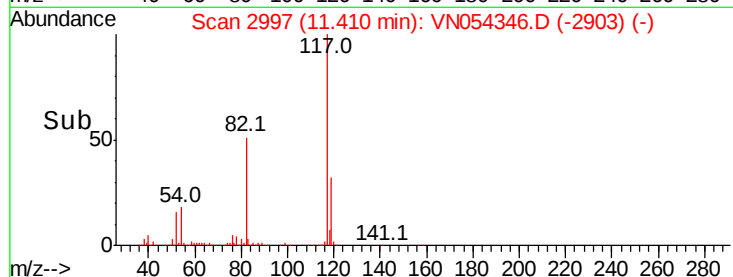
119 32.4 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054346.D

Acq: 16 Mar 2019 19:30

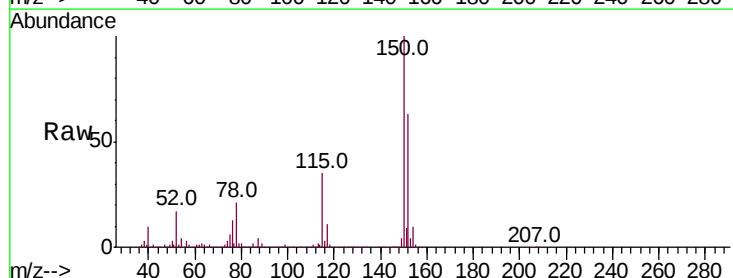
Tgt Ion:152 Resp: 794710

Ion Ratio Lower Upper

152 100

115 55.8 27.2 81.6

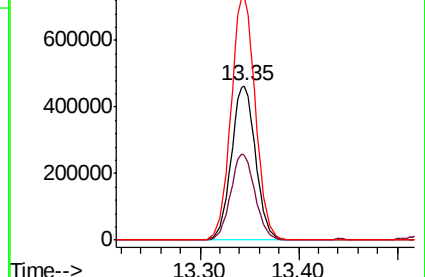
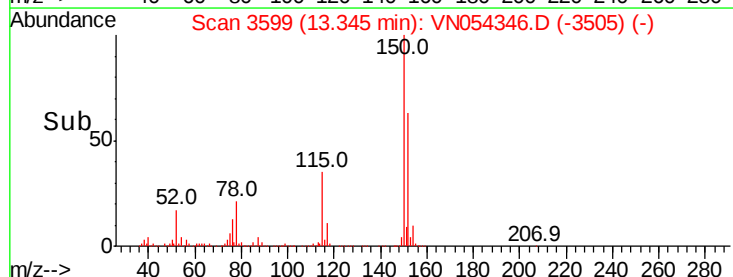
150 158.0 0.0 349.2

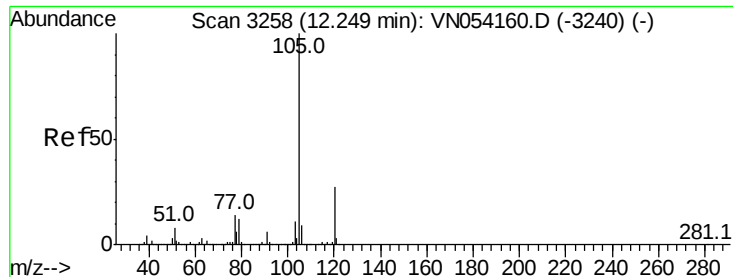


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 3.613 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054346.D

Acq: 16 Mar 2019 19:30

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ClientSampleId :

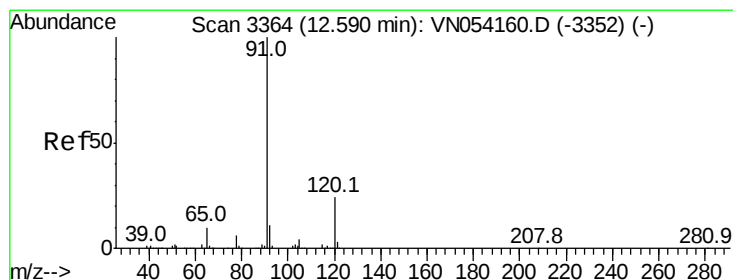
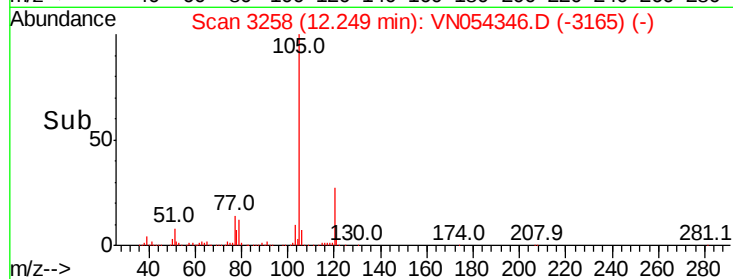
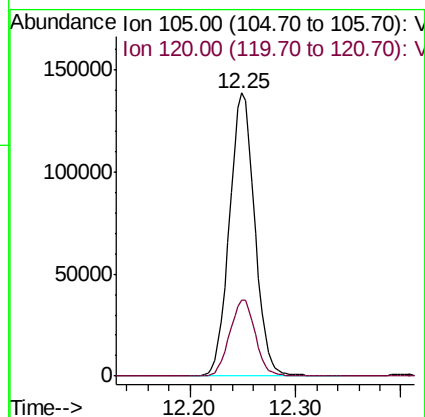
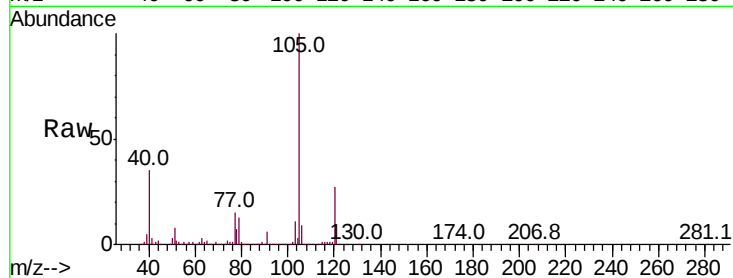
T11-MW-13-8.0-031519

Tot Ion: 105 Resp: 229718

Ion Ratio Lower Upper

105 100

120 27.1 13.8 41.3



#78

n-propylbenzene

Concen: 4.407 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054346.D

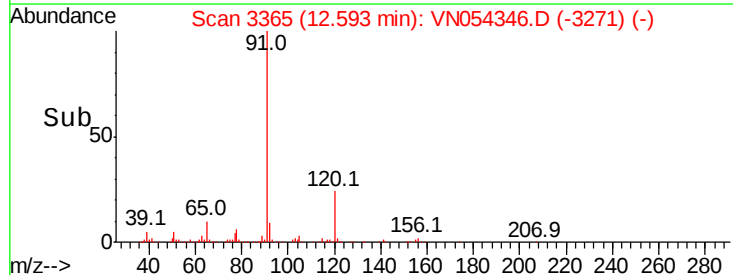
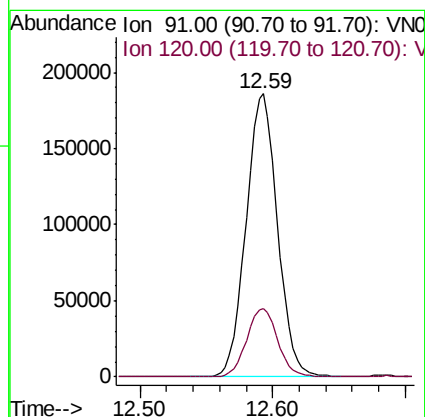
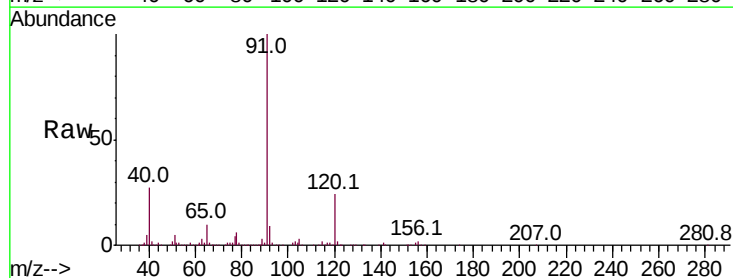
Acq: 16 Mar 2019 19:30

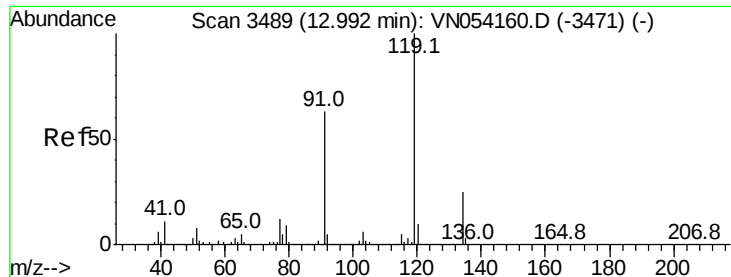
Tgt Ion: 91 Resp: 304037

Ion Ratio Lower Upper

91 100

120 24.1 12.3 36.9

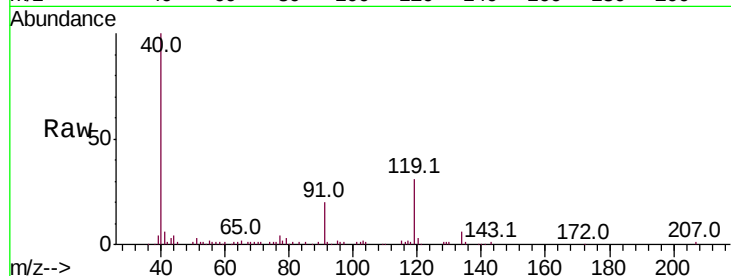




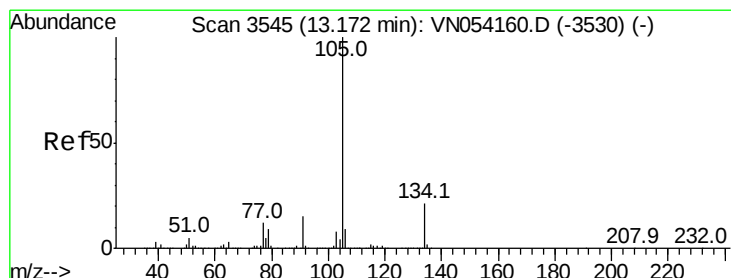
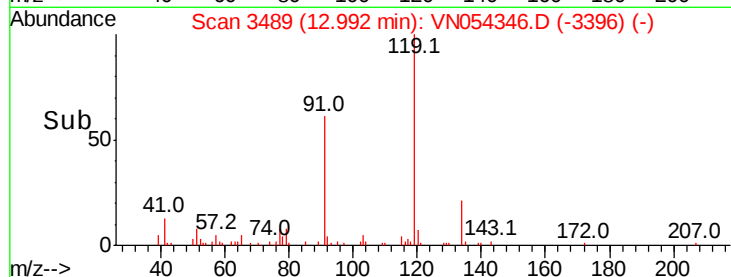
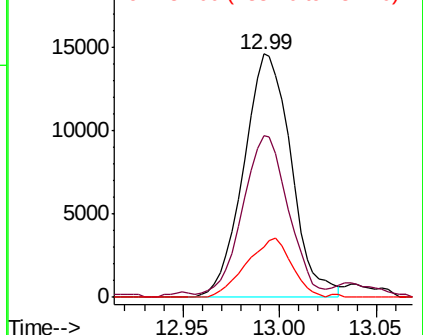
#83
tert-Butylbenzene
Concen: 0.511 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054346.D
Acq: 16 Mar 2019 19:30

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-13-8.0-031519

Tot Ion:119 Resp: 24869
Ion Ratio Lower Upper
119 100
91 62.3 30.9 92.8
134 23.2 13.2 39.6

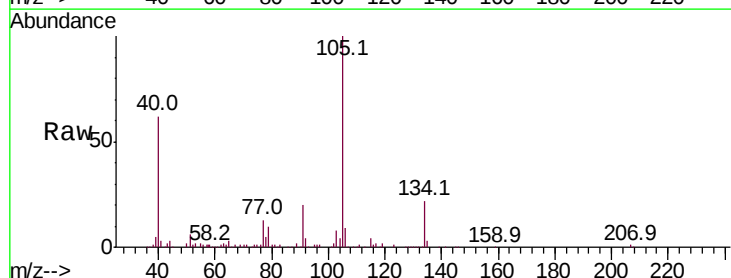


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

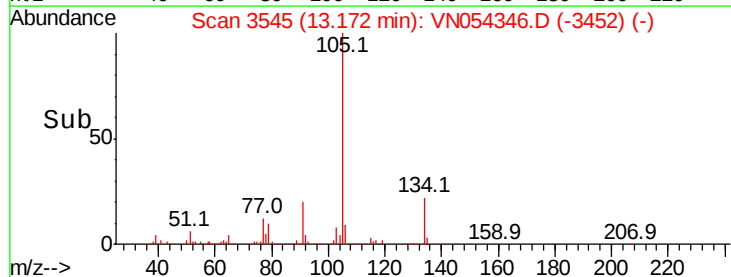
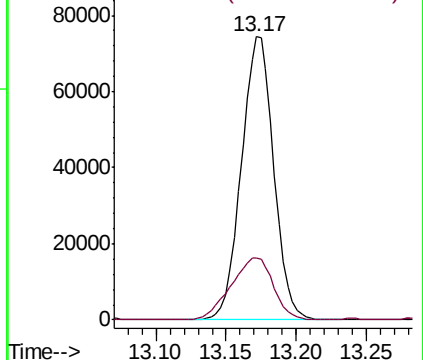


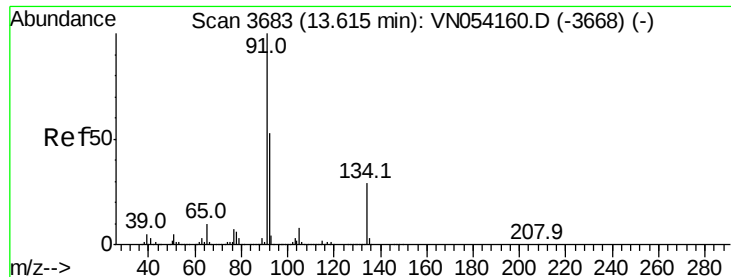
#85
sec-Butylbenzene
Concen: 1.888 ug/l
RT: 13.17 min Scan# 3545
Delta R.T. 0.00 min
Lab File: VN054346.D
Acq: 16 Mar 2019 19:30

Tgt Ion:105 Resp: 119213
Ion Ratio Lower Upper
105 100
134 28.7 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V

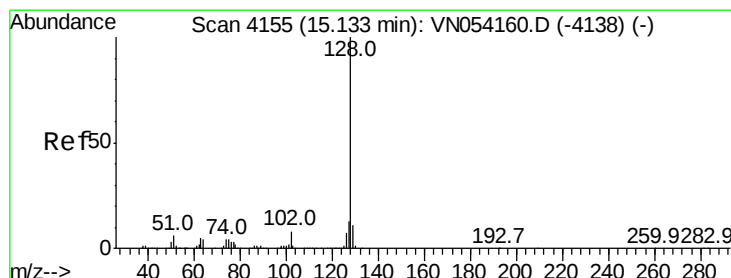
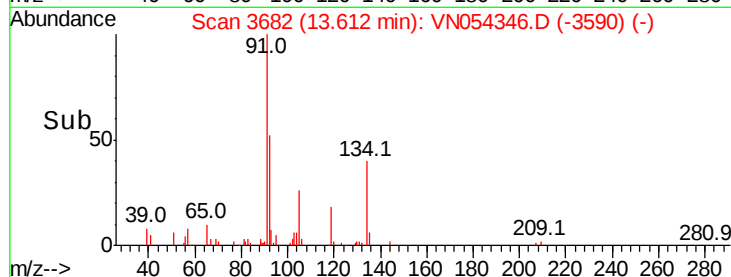
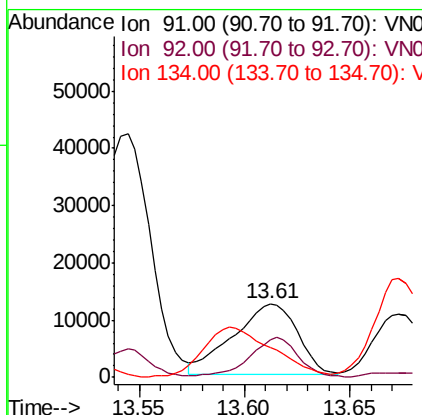
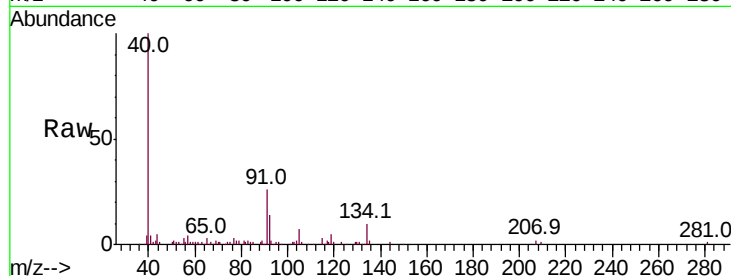




#89
n-Butylbenzene
Concen: 0.633 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054346.D
Acq: 16 Mar 2019 19:30

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-13-8.0-031519

Tot Ion: 91 Resp: 26632
Ion Ratio Lower Upper
91 100
92 39.5 26.2 78.6
134 0.0 14.3 42.9#



#95
Naphthalene
Concen: 7.546 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054346.D
Acq: 16 Mar 2019 19:30

Tgt Ion: 128 Resp: 152665
Ion Ratio Lower Upper
128 100
127 13.3 10.1 15.1
129 11.2 8.7 13.1

