

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054386.D
 Acq On : 18 Mar 2019 11:42
 Operator : JC/SP
 Sample : K1960-11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-4-9.0-031519

Quant Time: Mar 19 05:52:21 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	1919207	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2705515	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2237750	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	898853	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	920513	45.16	ug/l	0.00
Spiked Amount			Recovery	=	90.32%	
35) Dibromofluoromethane	7.59	113	816370	46.78	ug/l	0.00
Spiked Amount			Recovery	=	93.56%	
50) Toluene-d8	10.09	98	3079083	47.78	ug/l	0.00
Spiked Amount			Recovery	=	95.56%	
62) 4-Bromofluorobenzene	12.40	95	938178	41.61	ug/l	0.00
Spiked Amount			Recovery	=	83.22%	

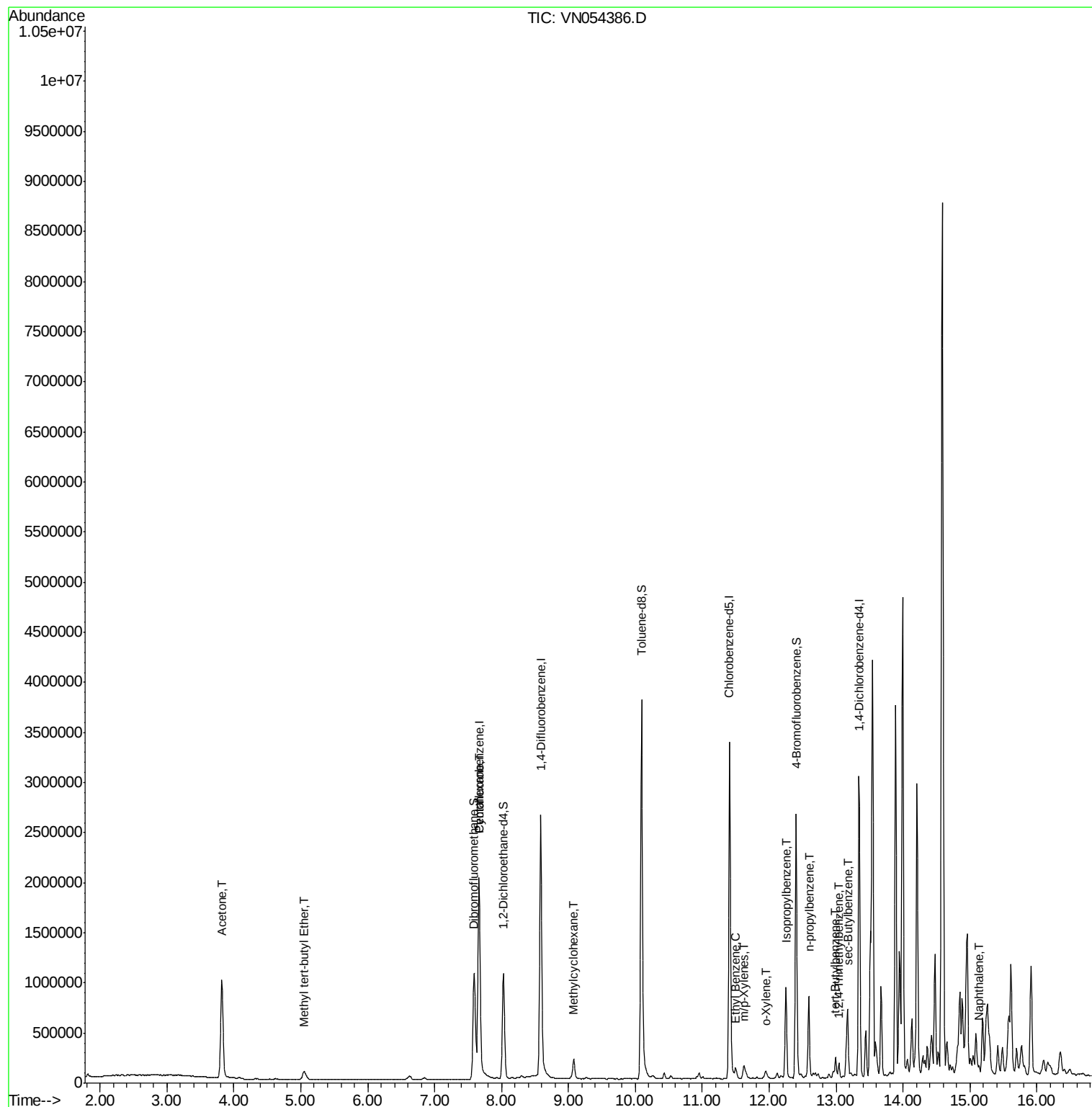
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	1555531	266.548	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	137808	2.788	ug/l	93
31) Cyclohexane	7.65	56	106592	2.307	ug/l #	78
39) Methylcyclohexane	9.08	83	96824	3.158	ug/l	99
67) Ethyl Benzene	11.51	91	26482	0.325	ug/l	99
68) m/p-Xylenes	11.62	106	48179	1.513	ug/l	91
69) o-Xylene	11.95	106	21171	0.682	ug/l	96
73) Isopropylbenzene	12.25	105	653648	9.089	ug/l	100
78) n-propylbenzene	12.59	91	675235	8.653	ug/l	99
83) tert-Butylbenzene	12.99	119	101743	1.848	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	84191	1.435	ug/l	100
85) sec-Butylbenzene	13.17	105	457792	6.411	ug/l	82
95) Naphthalene	15.13	128	57485	4.827	ug/l	97

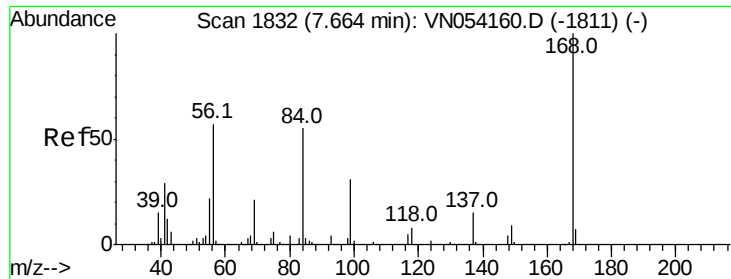
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN054386.D

Acq: 18 Mar 2019 11:42

Instrument :

MSVOA_N

ClientSampleId :

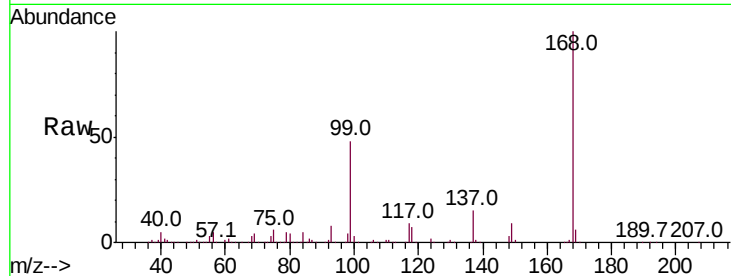
T11-MW-4-9.0-031519

Tot Ion:168 Resp: 1919207

Ion Ratio Lower Upper

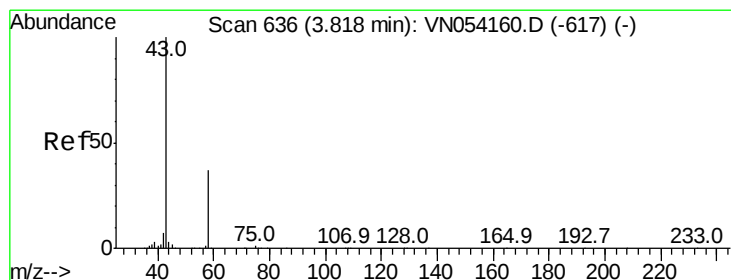
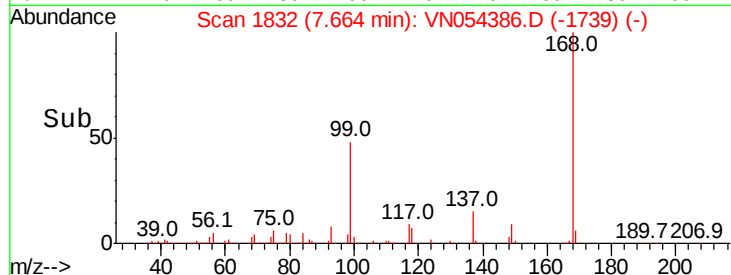
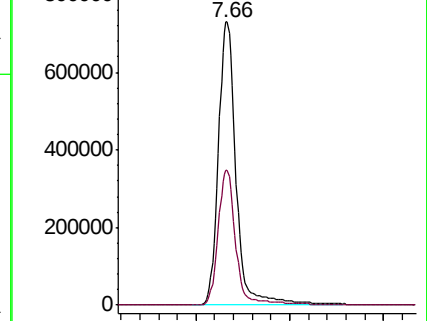
168 100

99 47.8 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: 266.548 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN054386.D

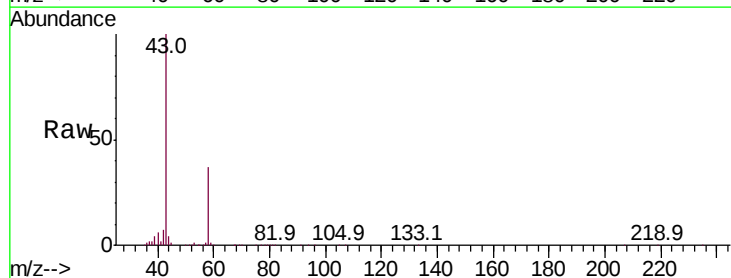
Acq: 18 Mar 2019 11:42

Tgt Ion: 43 Resp: 1555531

Ion Ratio Lower Upper

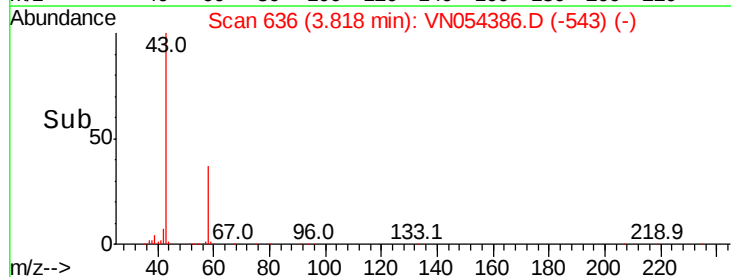
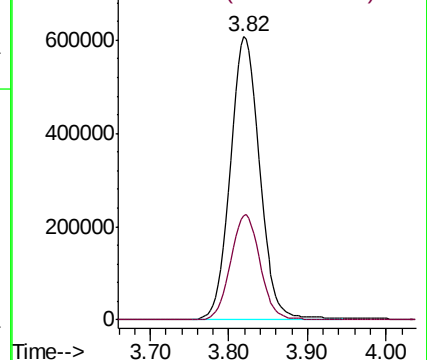
43 100

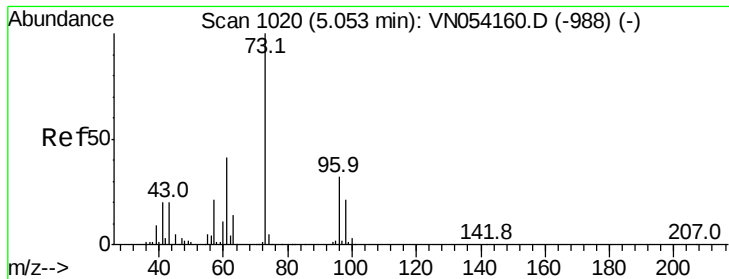
58 37.0 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

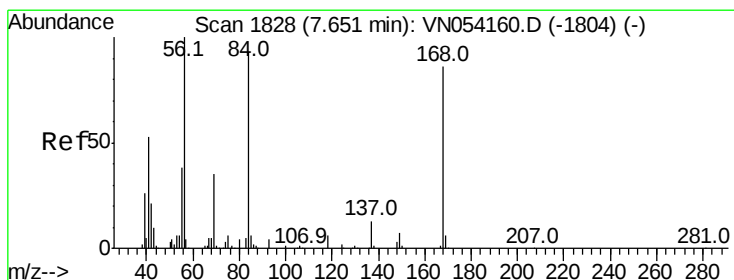
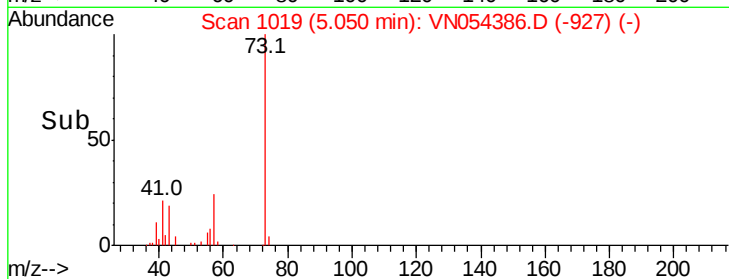
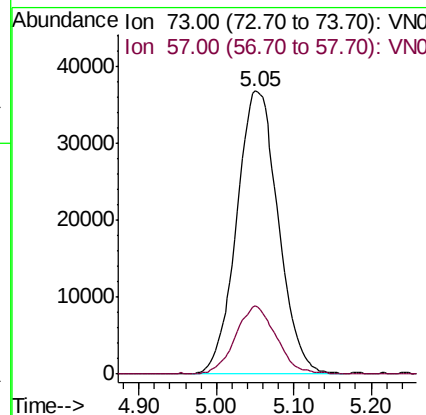
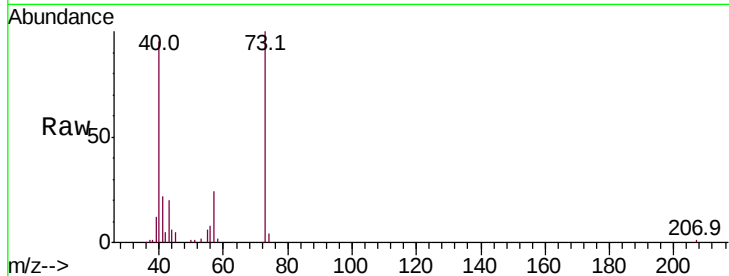




#19
Methvl tert-butvl Ether
Concen: 2.788 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN054386.D
Acq: 18 Mar 2019 11:42

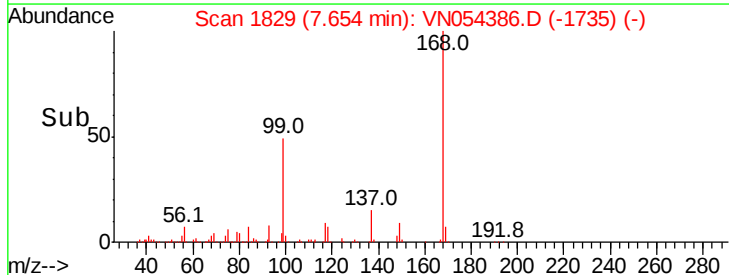
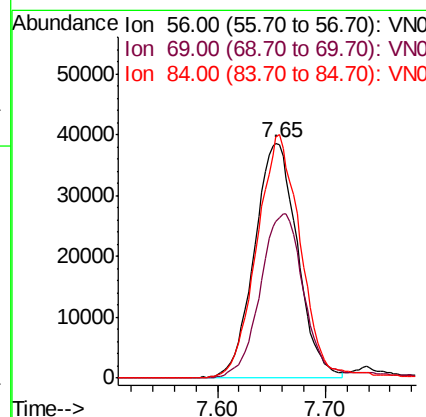
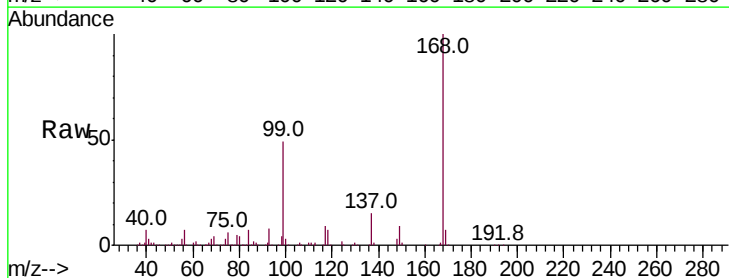
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T11-MW-4-9.0-031519

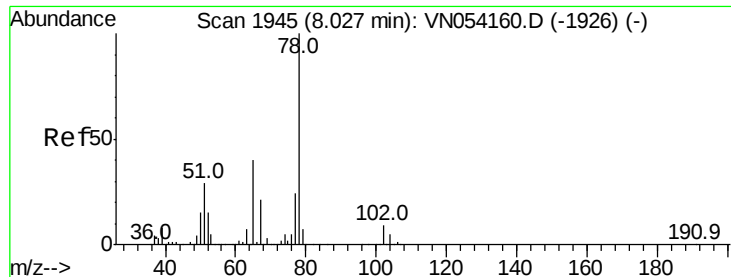
Tot Ion: 73 Resp: 137808
Ion Ratio Lower Upper
73 100
57 24.1 16.8 25.2



#31
Cyclohexane
Concen: 2.307 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN054386.D
Acq: 18 Mar 2019 11:42

Tgt Ion: 56 Resp: 106592
Ion Ratio Lower Upper
56 100
69 66.4 27.8 41.6#
84 102.6 74.6 111.8





#33

1,2-Dichloroethane-d4

Concen: 45.163 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054386.D

Acq: 18 Mar 2019 11:42

Instrument :

MSVOA_N

ClientSampleId :

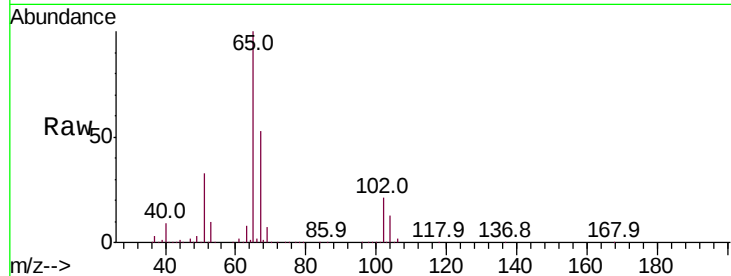
T11-MW-4-9.0-031519

Tot Ion: 65 Resp: 920513

Ion Ratio Lower Upper

65 100

67 52.5 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

400000

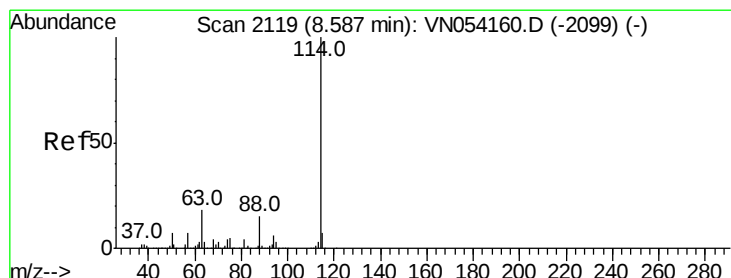
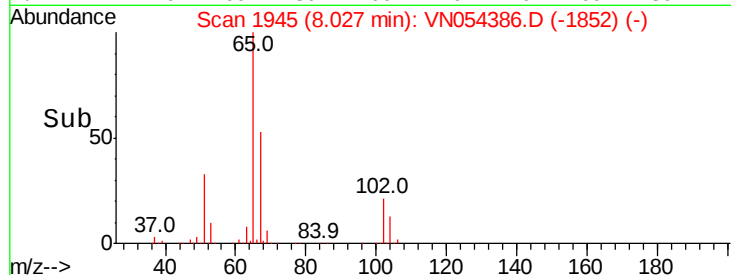
300000

200000

100000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054386.D

Acq: 18 Mar 2019 11:42

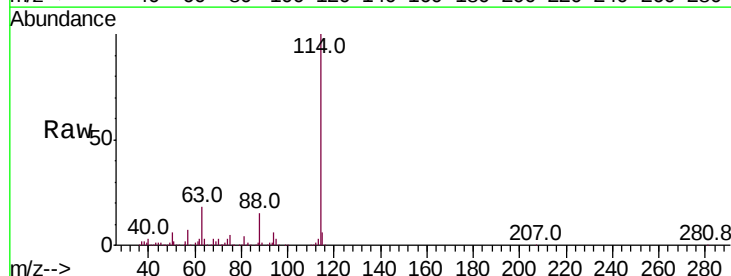
Tgt Ion:114 Resp: 2705515

Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.2

88 14.7 0.0 30.2



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

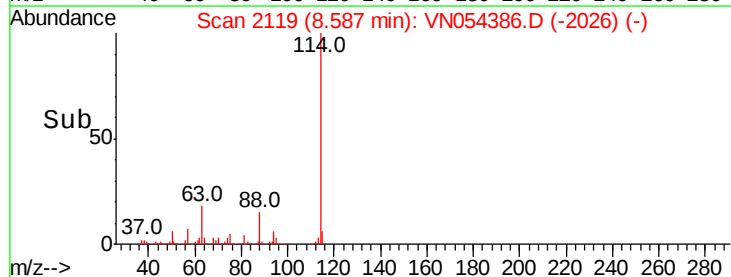
1500000

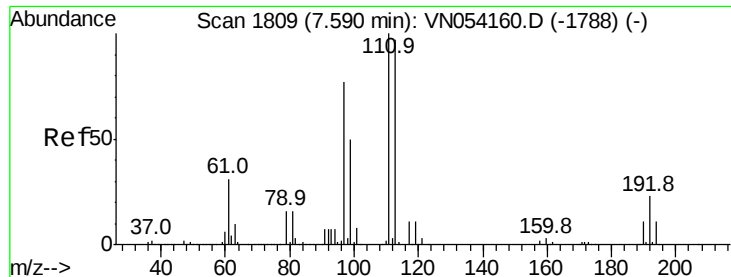
1000000

500000

0

Time-->

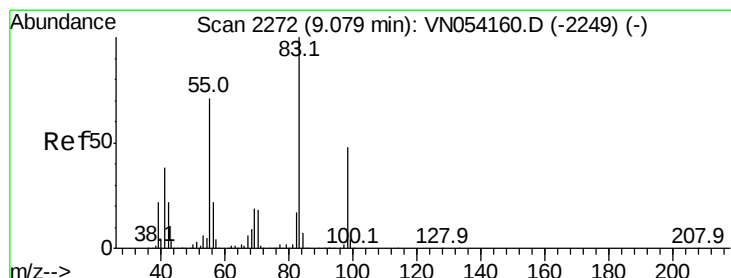
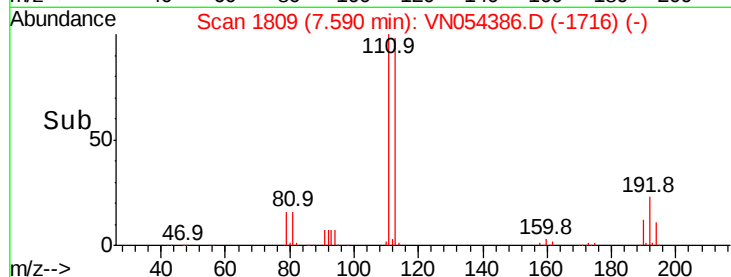
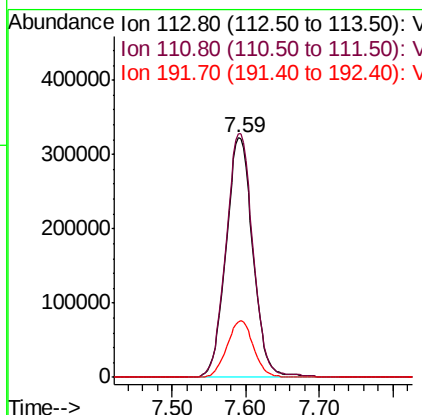
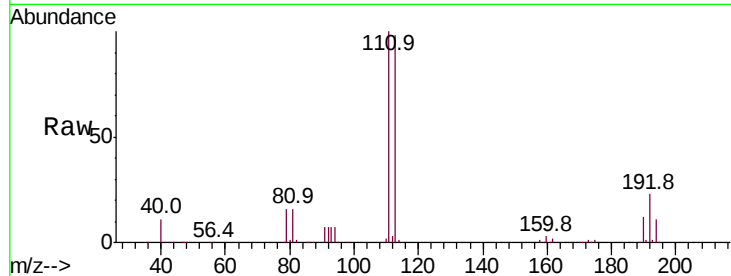




#35
 Dibromofluoromethane
 Concen: 46.785 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054386.D
 Acq: 18 Mar 2019 11:42

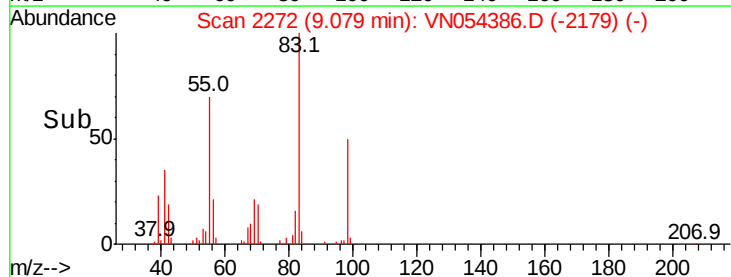
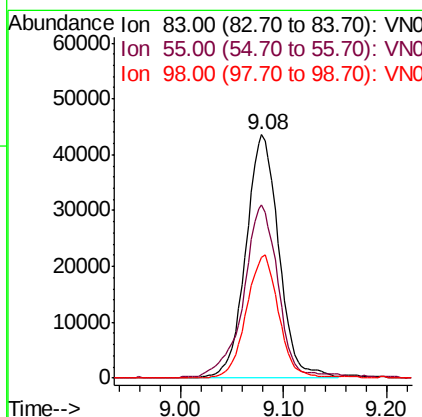
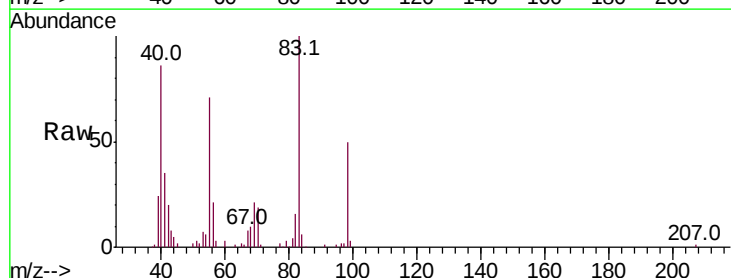
Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-4-9.0-031519

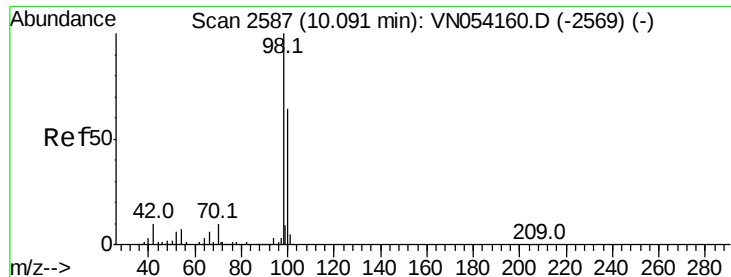
Tot Ion:113 Resp: 816370
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.2 123.4
 192 23.3 19.2 28.8



#39
 Methylcyclohexane
 Concen: 3.158 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN054386.D
 Acq: 18 Mar 2019 11:42

Tgt Ion: 83 Resp: 96824
 Ion Ratio Lower Upper
 83 100
 55 70.4 56.6 84.8
 98 49.8 38.4 57.6





#50

Toluene-d8

Concen: 47.780 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054386.D

Acq: 18 Mar 2019 11:42

Instrument :

MSVOA_N

ClientSampleId :

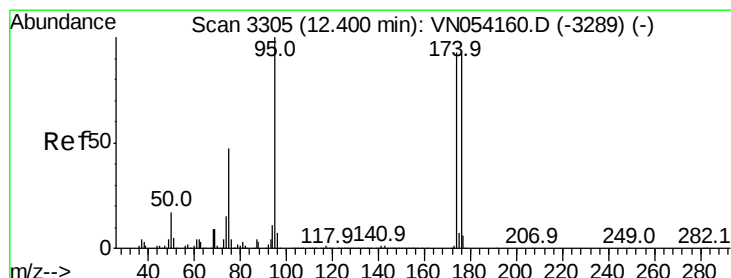
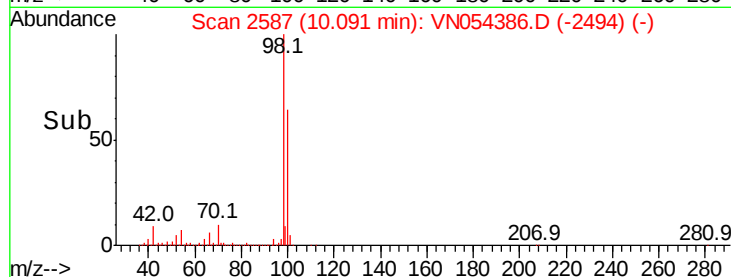
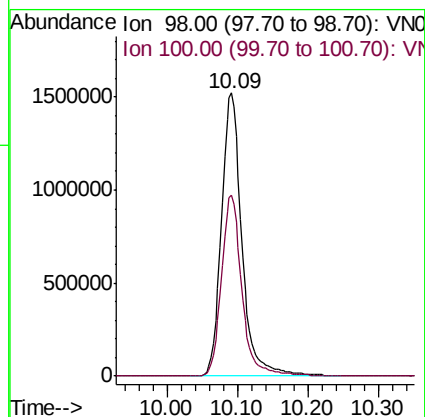
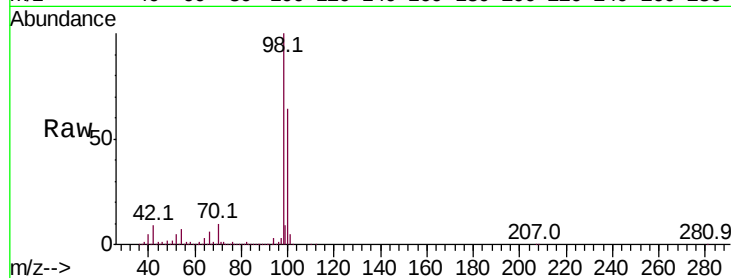
T11-MW-4-9.0-031519

Tot Ion: 98 Resp: 3079083

Ion Ratio Lower Upper

98 100

100 64.1 51.2 76.8



#62

4-Bromofluorobenzene

Concen: 41.607 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054386.D

Acq: 18 Mar 2019 11:42

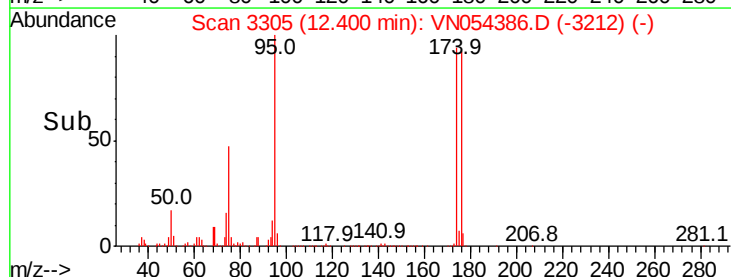
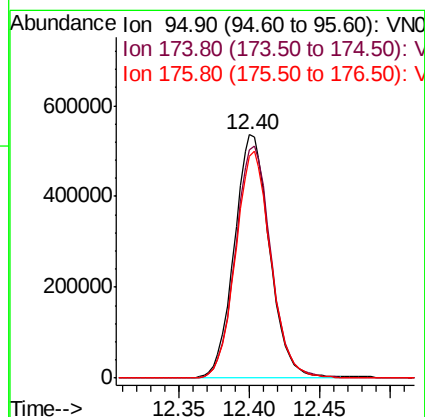
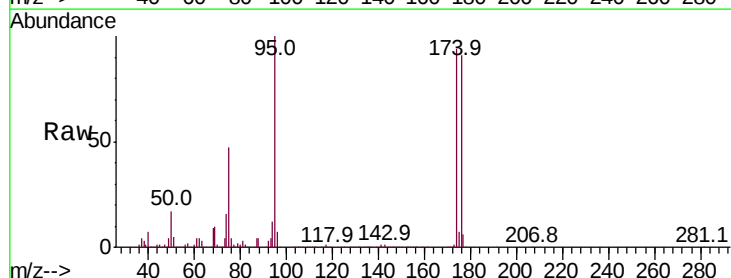
Tgt Ion: 95 Resp: 938178

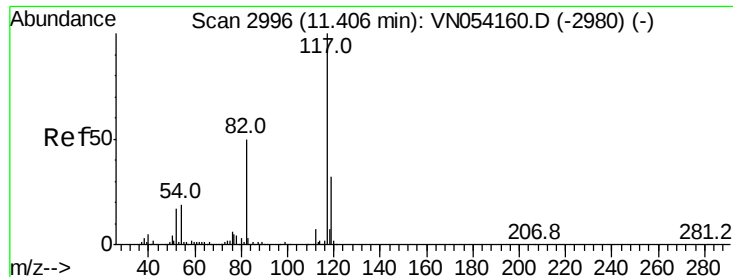
Ion Ratio Lower Upper

95 100

174 96.5 0.0 191.0

176 93.2 0.0 187.4

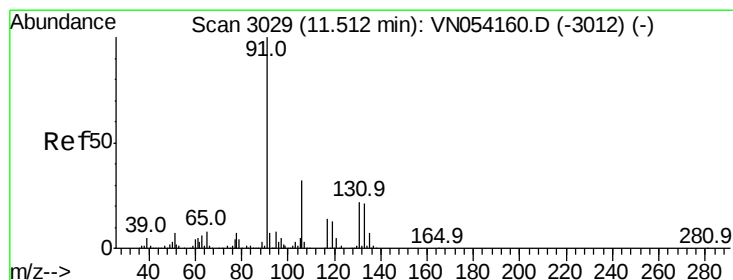
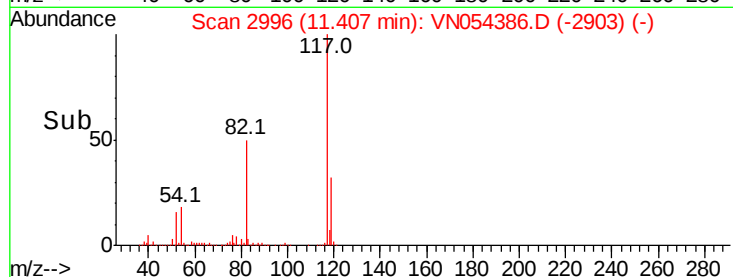
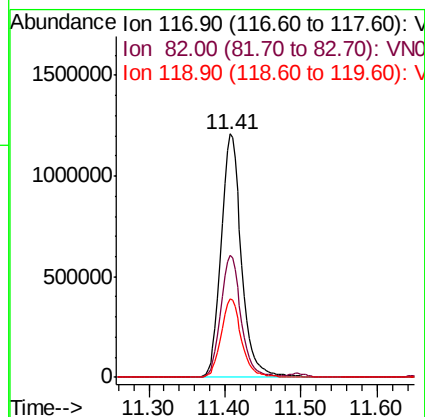
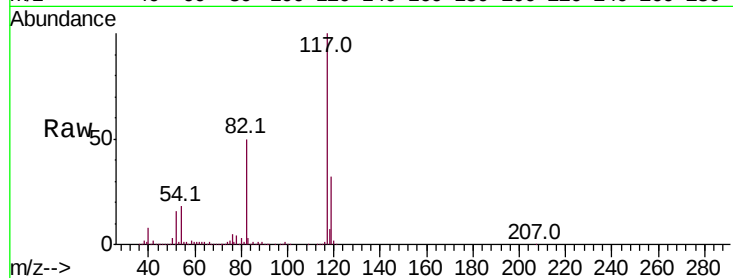




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054386.D
Acq: 18 Mar 2019 11:42

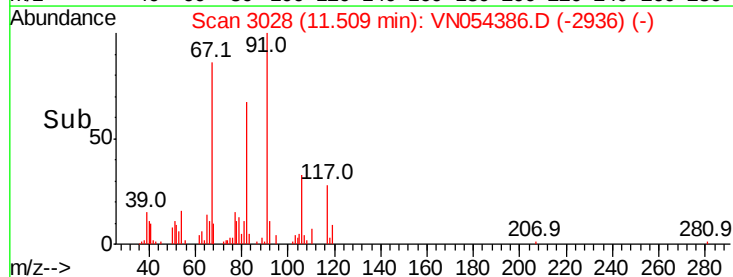
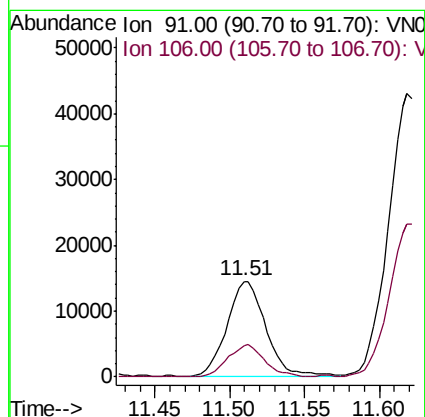
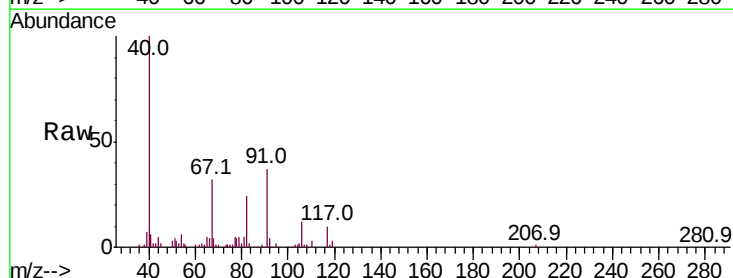
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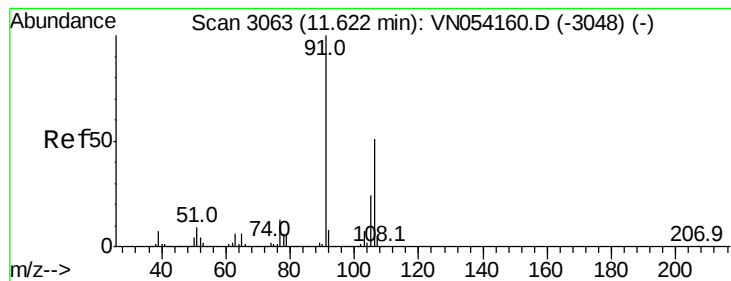
Tot Ion:117 Resp: 2237750
Ion Ratio Lower Upper
117 100
82 50.3 40.0 60.0
119 32.4 25.8 38.6



#67
Ethyl Benzene
Concen: 0.325 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054386.D
Acq: 18 Mar 2019 11:42

Tgt Ion: 91 Resp: 26482
Ion Ratio Lower Upper
91 100
106 32.7 25.5 38.3





#68

m/p-Xylenes

Concen: 1.513 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN054386.D

Acq: 18 Mar 2019 11:42

Instrument :

MSVOA_N

ClientSampleId :

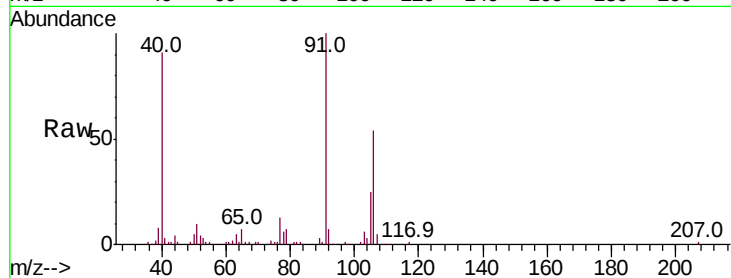
T11-MW-4-9.0-031519

Tot Ion:106 Resp: 48179

Ion Ratio Lower Upper

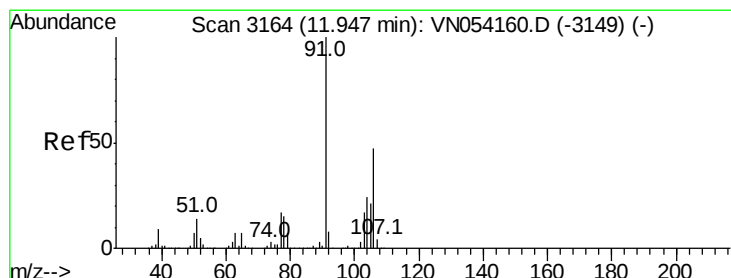
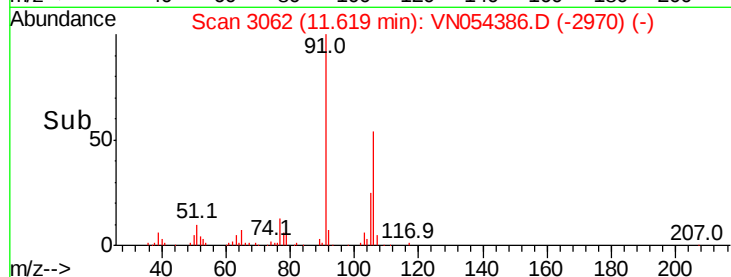
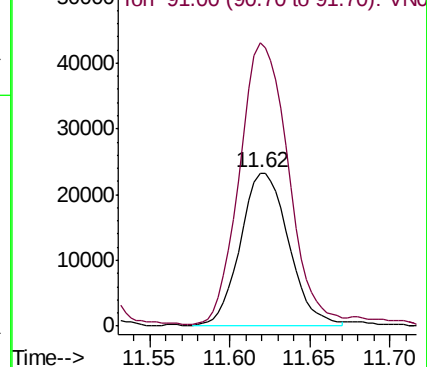
106 100

91 185.2 159.4 239.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#69

o-Xylene

Concen: 0.682 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN054386.D

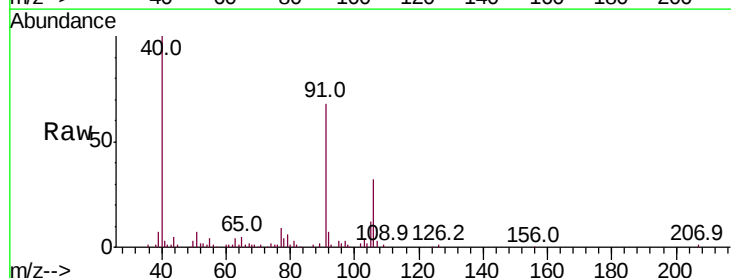
Acq: 18 Mar 2019 11:42

Tgt Ion:106 Resp: 21171

Ion Ratio Lower Upper

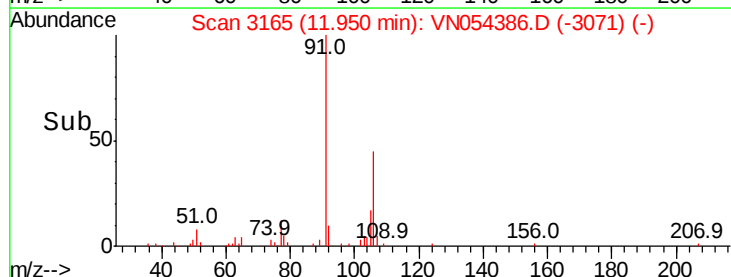
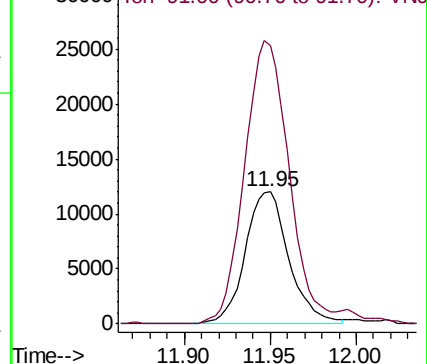
106 100

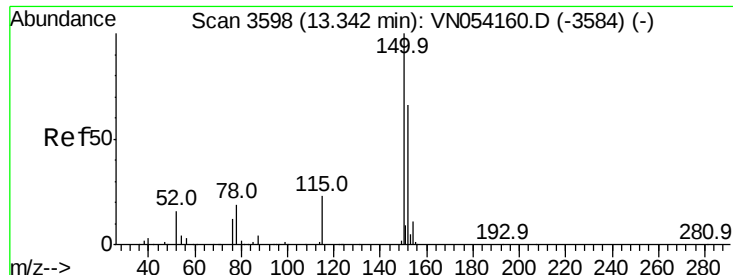
91 218.0 105.7 317.1



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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054386.D

Acq: 18 Mar 2019 11:42

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-4-9.0-031519

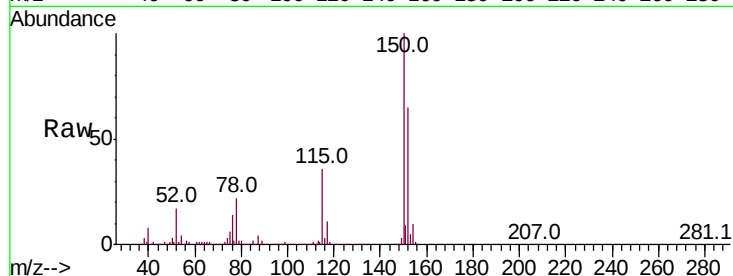
Tot Ion:152 Resp: 898853

Ion Ratio Lower Upper

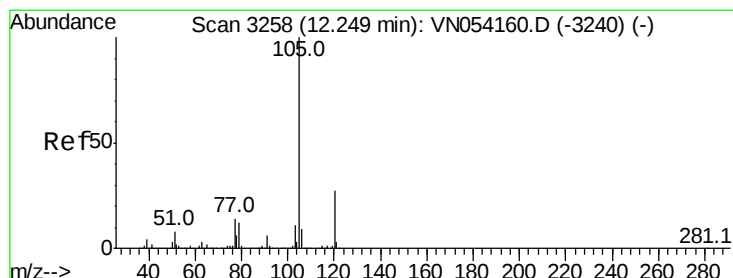
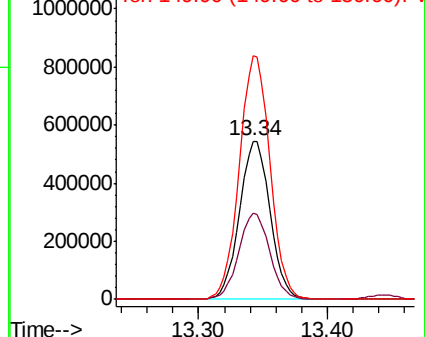
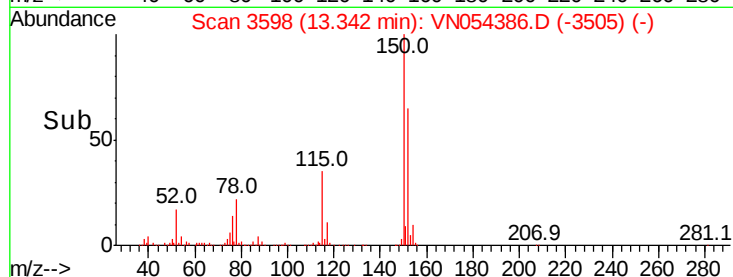
152 100

115 55.0 27.2 81.6

150 154.6 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: 9.089 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054386.D

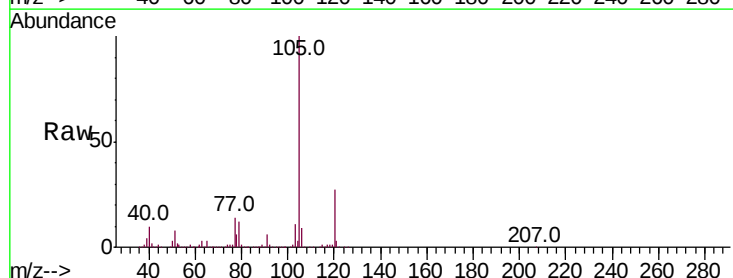
Acq: 18 Mar 2019 11:42

Tgt Ion:105 Resp: 653648

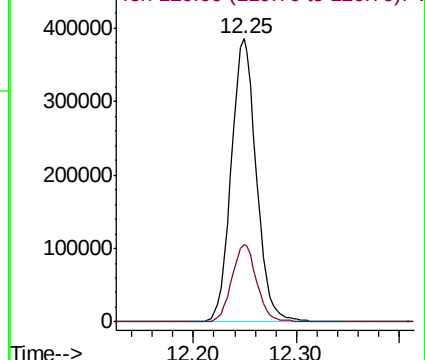
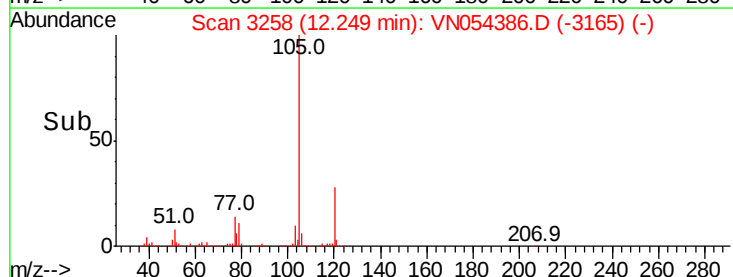
Ion Ratio Lower Upper

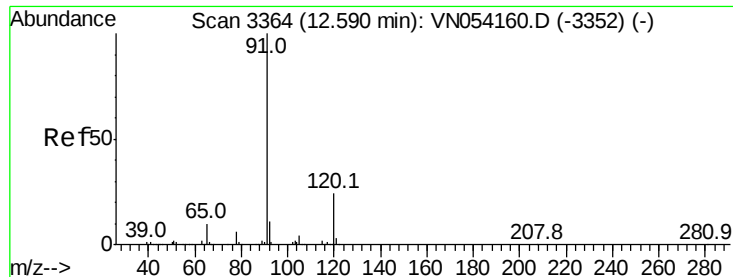
105 100

120 27.2 13.8 41.3



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





#78

n-propylbenzene

Concen: 8.653 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054386.D

Acq: 18 Mar 2019 11:42

Instrument :

MSVOA_N

ClientSampleId :

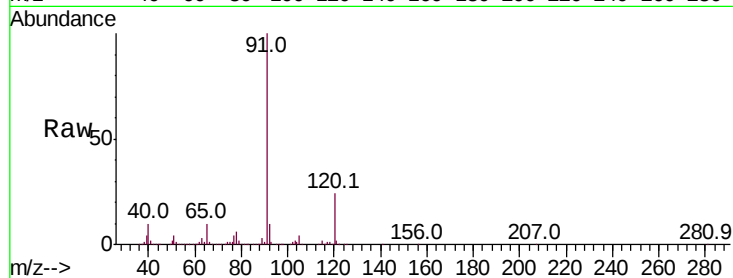
T11-MW-4-9.0-031519

Tot Ion: 91 Resp: 675235

Ion Ratio Lower Upper

91 100

120 23.9 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3352) (-)

Ion 120.00 (119.70 to 120.70): VN054160.D (-3352) (-)

12.59

400000

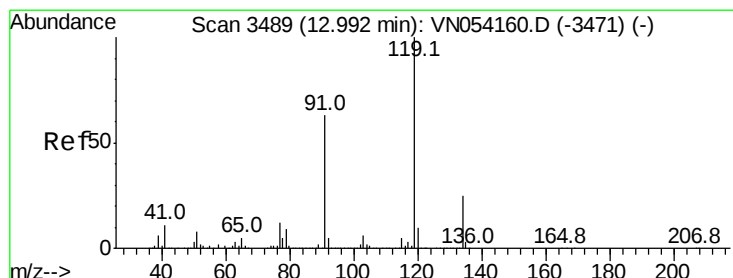
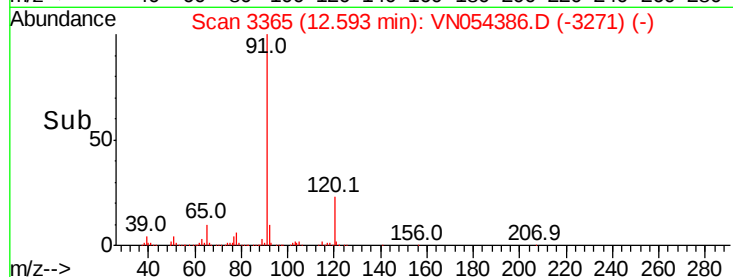
300000

200000

100000

0

Time--> 12.50 12.60 12.70



#83

tert-Butylbenzene

Concen: 1.848 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN054386.D

Acq: 18 Mar 2019 11:42

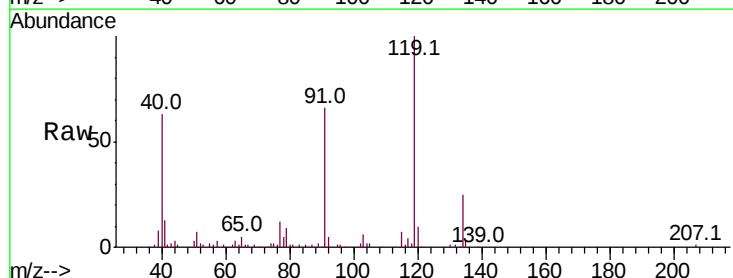
Tgt Ion: 119 Resp: 101743

Ion Ratio Lower Upper

119 100

91 66.3 30.9 92.8

134 25.7 13.2 39.6



Abundance Ion 119.00 (118.70 to 119.70): VN054160.D (-3471) (-)

Ion 91.00 (90.70 to 91.70): VN054160.D (-3471) (-)

Ion 134.00 (133.70 to 134.70): VN054160.D (-3471) (-)

12.99

80000

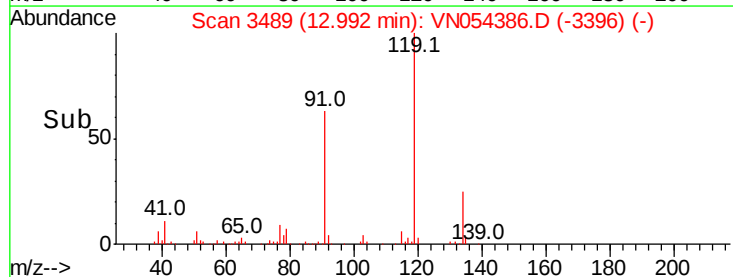
60000

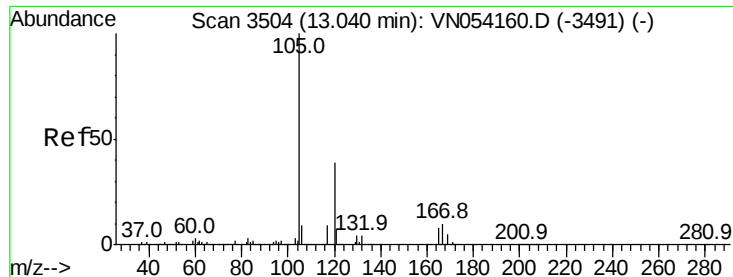
40000

20000

0

Time--> 12.95 13.00





#84

1,2,4-Trimethylbenzene

Concen: 1.435 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054386.D

Acq: 18 Mar 2019 11:42

Instrument :

MSVOA_N

ClientSampleId :

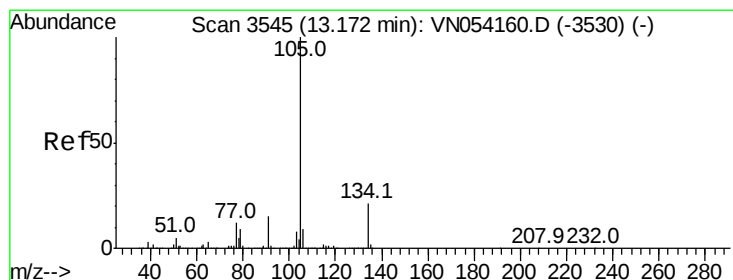
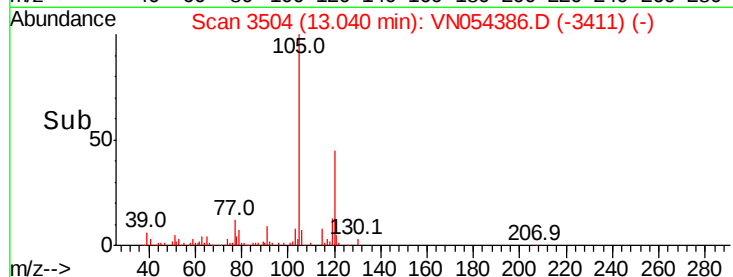
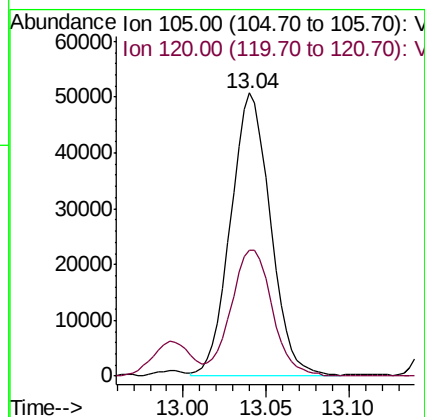
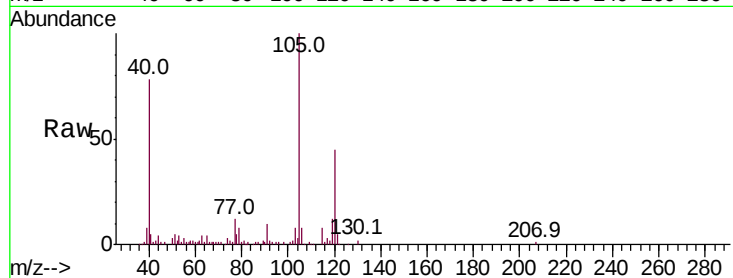
T11-MW-4-9.0-031519

Tot Ion:105 Resp: 84191

Ion Ratio Lower Upper

105 100

120 46.8 23.4 70.3



#85

sec-Butylbenzene

Concen: 6.411 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054386.D

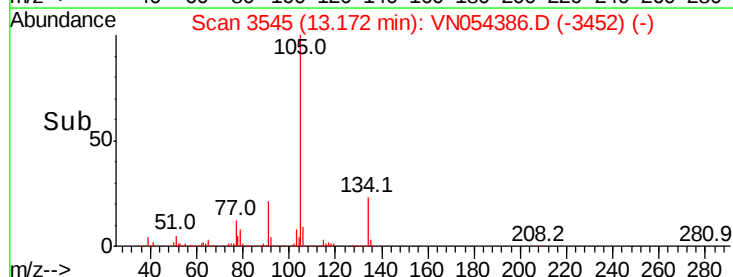
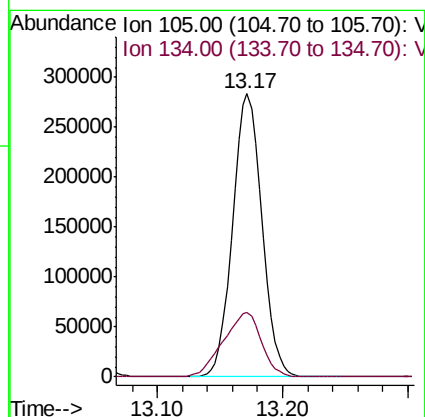
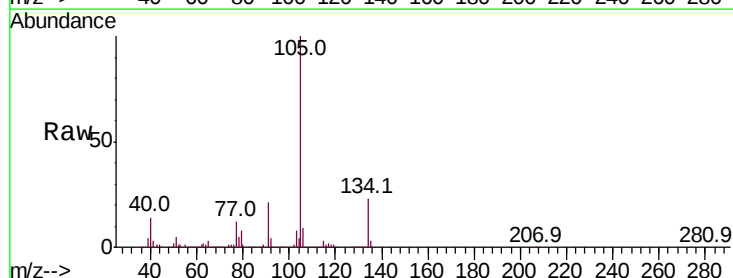
Acq: 18 Mar 2019 11:42

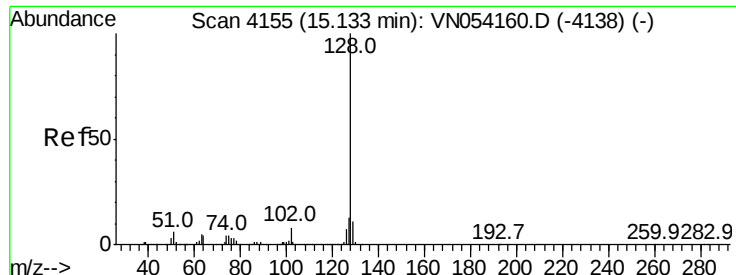
Tgt Ion:105 Resp: 457792

Ion Ratio Lower Upper

105 100

134 29.7 10.7 32.1





#95

Naphthalene

Concen: 4.827 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054386.D

Acq: 18 Mar 2019 11:42

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-4-9.0-031519

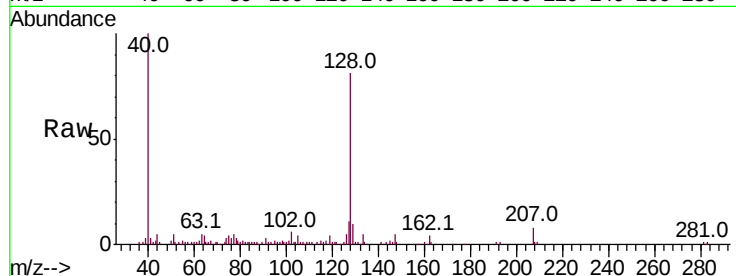
Tot Ion:128 Resp: 57485

Ion Ratio Lower Upper

128 100

127 11.8 10.1 15.1

129 9.3 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

