

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054383.D
 Acq On : 18 Mar 2019 10:20
 Operator : JC/SP
 Sample : K1960-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-16-10.5-031419

Quant Time: Mar 19 05:08:28 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	1842062	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2610756	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2144992	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	739173	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	888737	45.43	ug/l	0.00
Spiked Amount			Recovery	=	90.86%	
35) Dibromofluoromethane	7.59	113	807530	47.96	ug/l	0.00
Spiked Amount			Recovery	=	95.92%	
50) Toluene-d8	10.09	98	2988142	48.05	ug/l	0.00
Spiked Amount			Recovery	=	96.10%	
62) 4-Bromofluorobenzene	12.40	95	869239	39.95	ug/l	0.00
Spiked Amount			Recovery	=	79.90%	

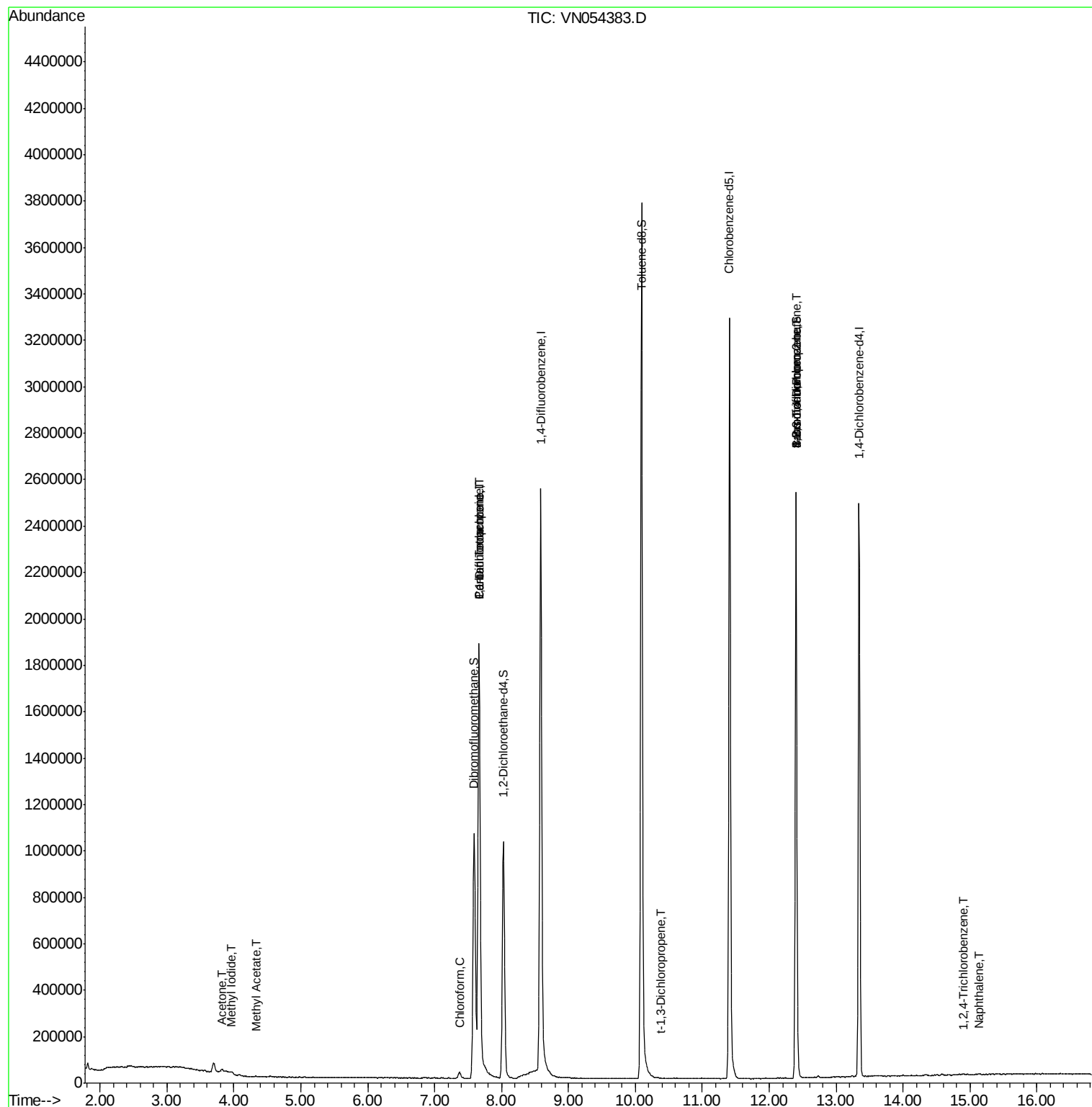
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.95	142	201	1.504	ug/l #	45
16) Acetone	3.82	43	19185	3.425	ug/l	88
18) Methyl Acetate	4.34	43	2649	0.234	ug/l	97
30) Chloroform	7.37	83	28873	0.879	ug/l	94
31) Cyclohexane	7.66	56	28751	Below Cal	#	5
36) 1,1-Dichloropropene	7.66	75	108438	4.510	ug/l #	48
38) Carbon Tetrachloride	7.66	117	151063	5.991	ug/l #	16
53) t-1,3-Dichloropropene	10.38	75	194	1.993	ug/l #	1
71) Bromoform	12.40	173	5544	2.756	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	417298	38.390	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	417298	131.235	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.90	180	961	2.575	ug/l #	73
95) Naphthalene	15.14	128	3122	3.559	ug/l #	87

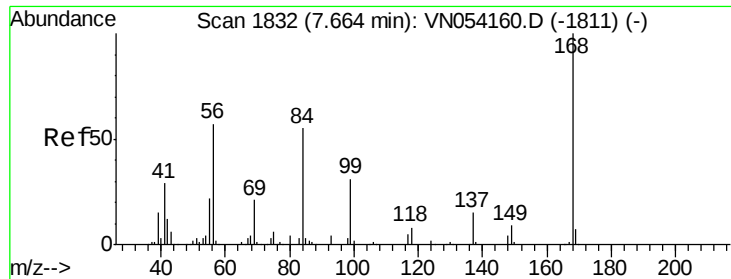
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031819\
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Quant Title : SW846 8260
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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: VN054383.D

Acq: 18 Mar 2019 10:20

Instrument :

MSVOA_N

ClientSampleId :

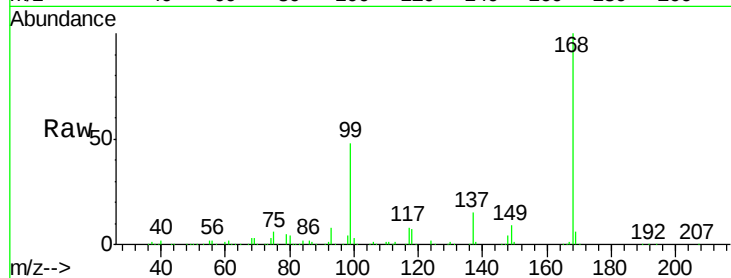
T11-MW-16-10.5-031419

Tot Ion:168 Resp: 1842062

Ion Ratio Lower Upper

168 100

99 48.0 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

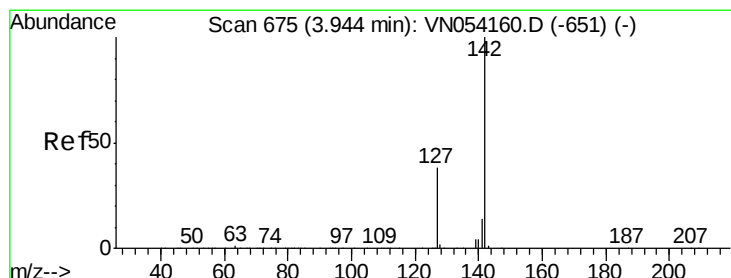
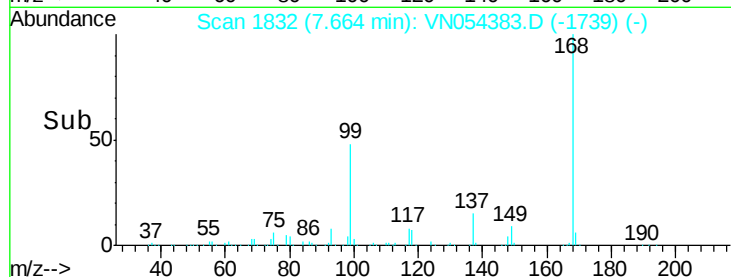
600000

400000

200000

0

Time-->



#10

Methyl Iodide

Concen: 1.504 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN054383.D

Acq: 18 Mar 2019 10:20

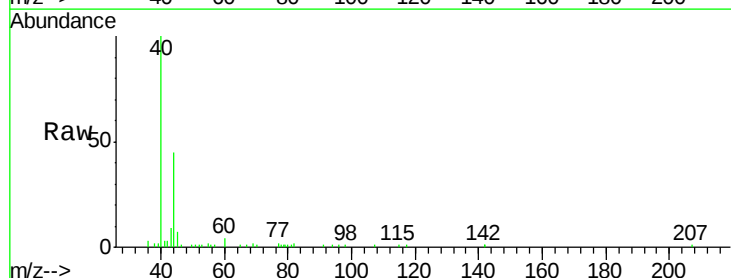
Tgt Ion:142 Resp: 201

Ion Ratio Lower Upper

142 100

127 0.0 30.3 45.5#

141 0.0 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

3.95

400

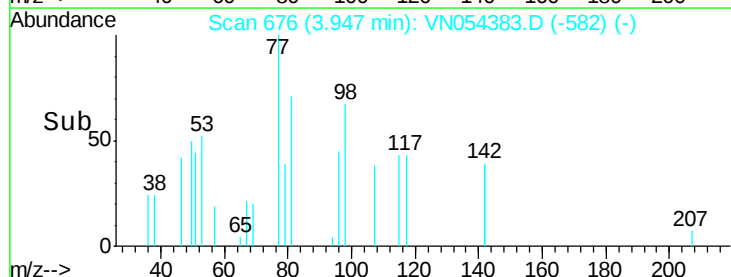
300

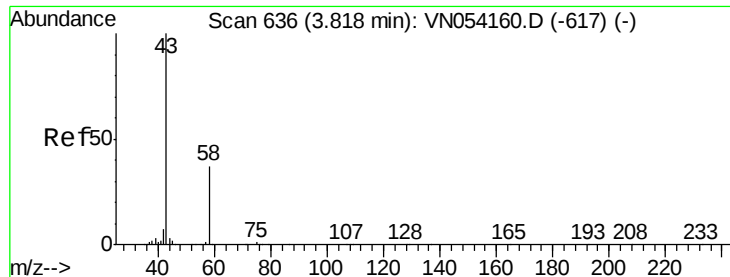
200

100

0

Time-->





#16

Acetone

Concen: 3.425 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN054383.D

Acq: 18 Mar 2019 10:20

Instrument :

MSVOA_N

ClientSampleId :

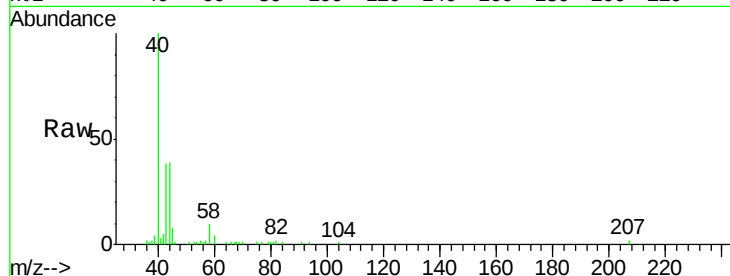
T11-MW-16-10.5-031419

Tot Ion: 43 Resp: 19185

Ion Ratio Lower Upper

43 100

58 30.3 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.82

10000

8000

6000

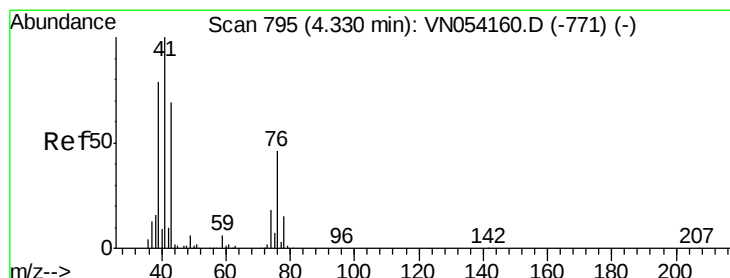
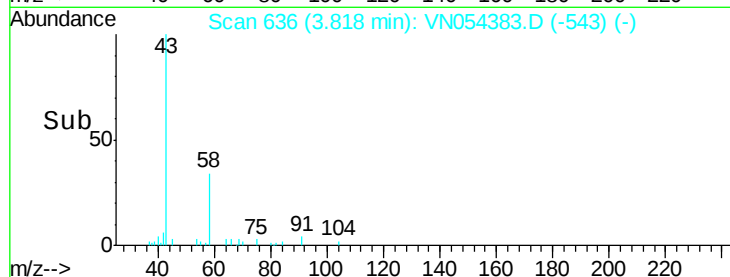
4000

2000

0

Time-->

3.75 3.80 3.85 3.90



#18

Methyl Acetate

Concen: 0.234 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN054383.D

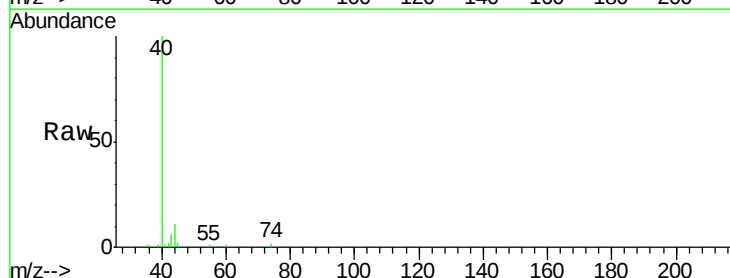
Acq: 18 Mar 2019 10:20

Tgt Ion: 43 Resp: 2649

Ion Ratio Lower Upper

43 100

74 24.4 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.34

1500

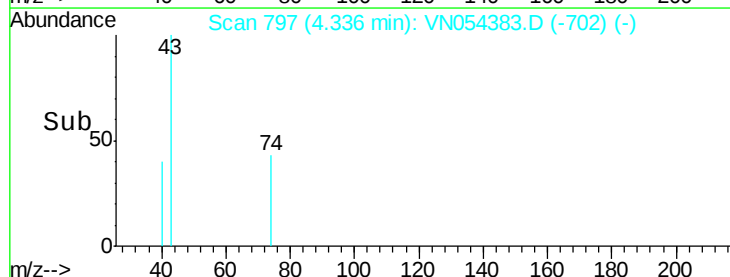
1000

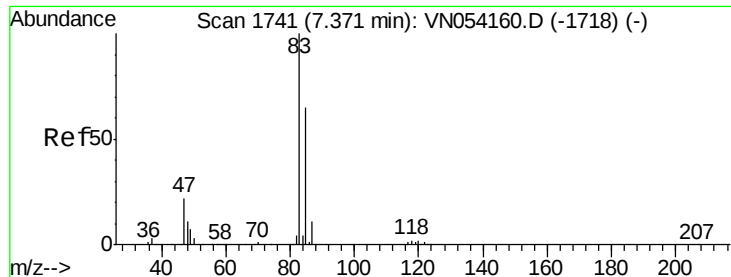
500

0

Time-->

4.30 4.35 4.40

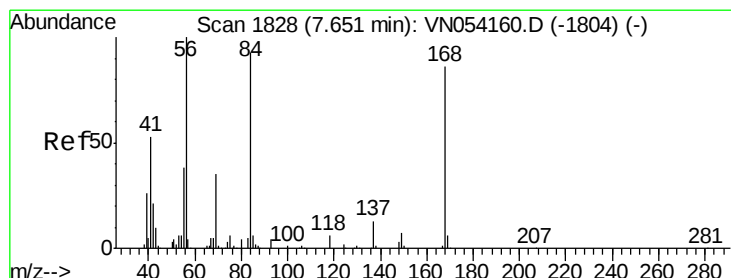
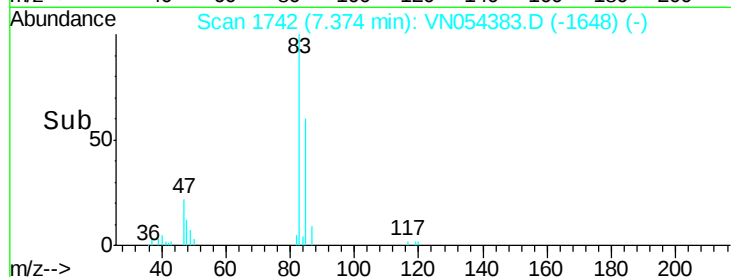
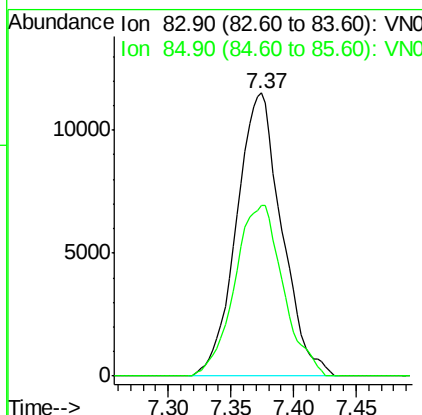
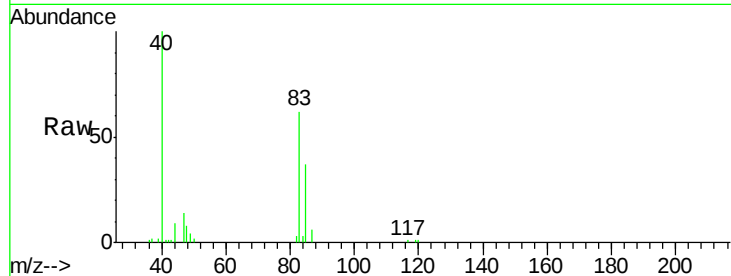




#30
Chloroform
Concen: 0.879 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054383.D
Acq: 18 Mar 2019 10:20

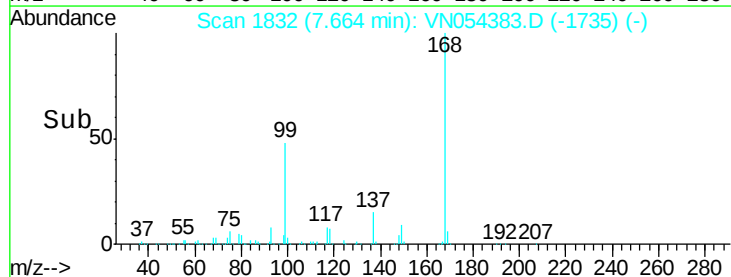
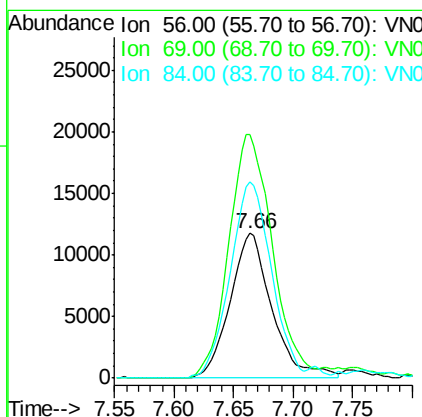
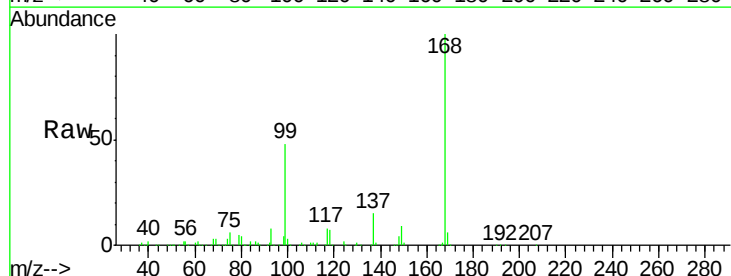
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-16-10.5-031419

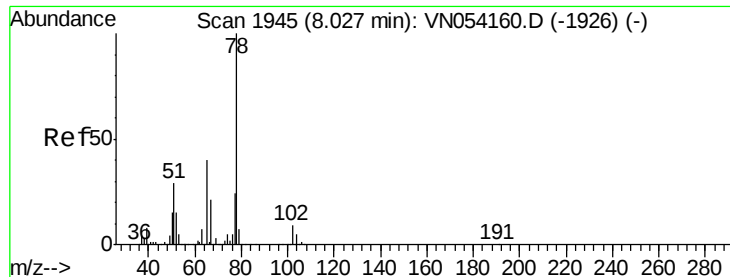
Tot Ion: 83 Resp: 28873
Ion Ratio Lower Upper
83 100
85 60.2 52.2 78.4



#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN054383.D
Acq: 18 Mar 2019 10:20

Tgt Ion: 56 Resp: 28751
Ion Ratio Lower Upper
56 100
69 168.3 27.8 41.6#
84 135.4 74.6 111.8#

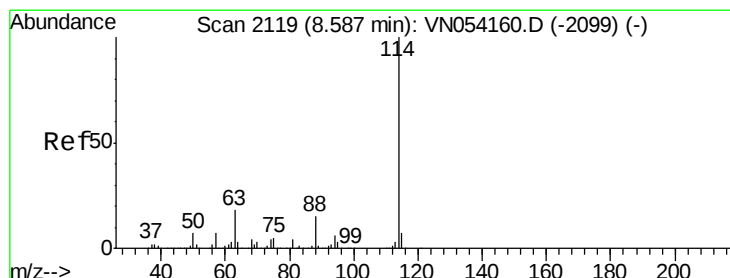
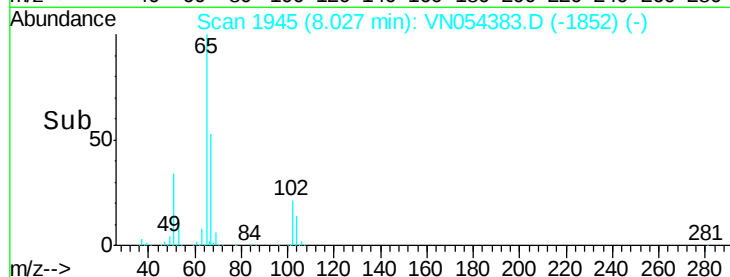
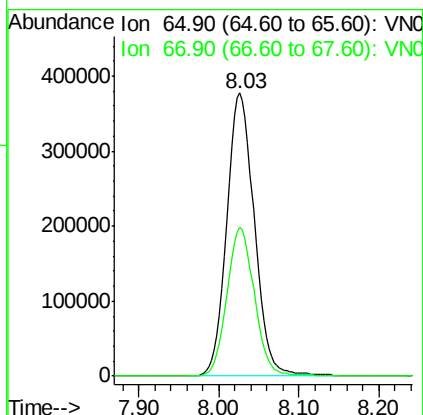
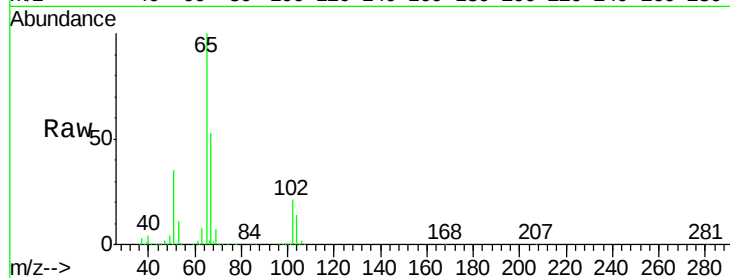




#33
 1,2-Dichloroethane-d4
 Concen: 45.430 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054383.D
 Acq: 18 Mar 2019 10:20

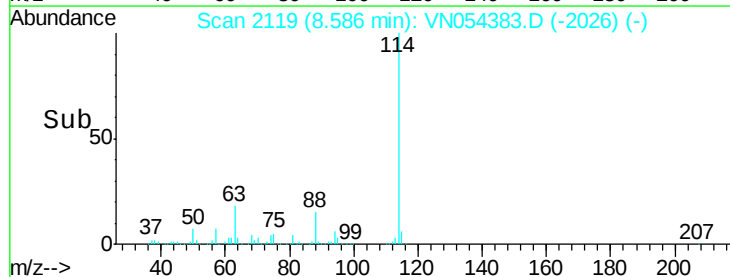
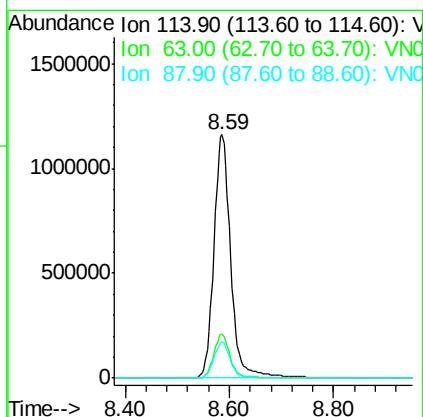
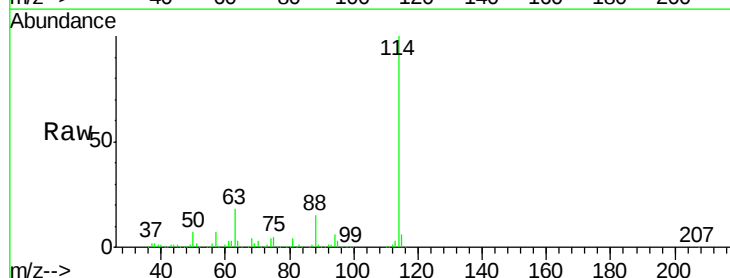
Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-16-10.5-031419

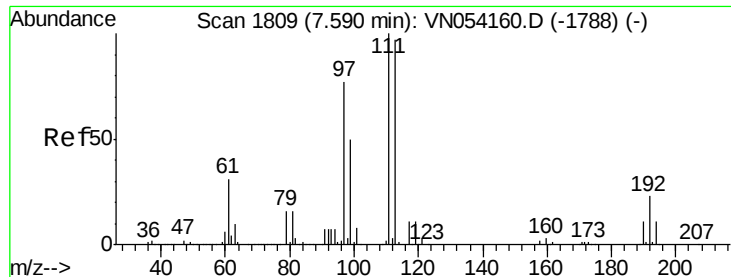
Tot Ion: 65 Resp: 888737
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054383.D
 Acq: 18 Mar 2019 10:20

Tgt Ion: 114 Resp: 2610756
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 35.2
 88 14.7 0.0 30.2

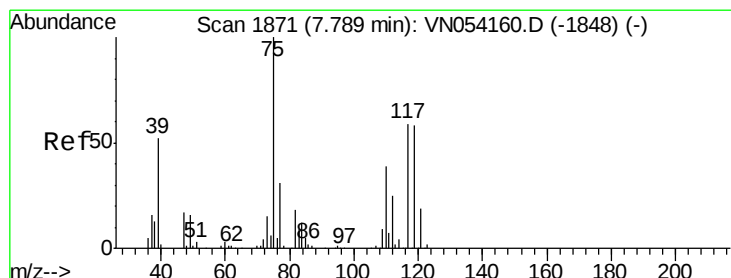
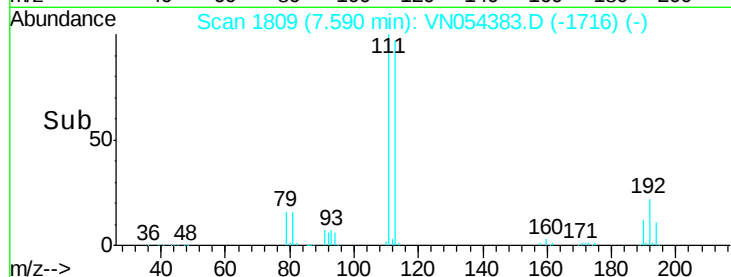
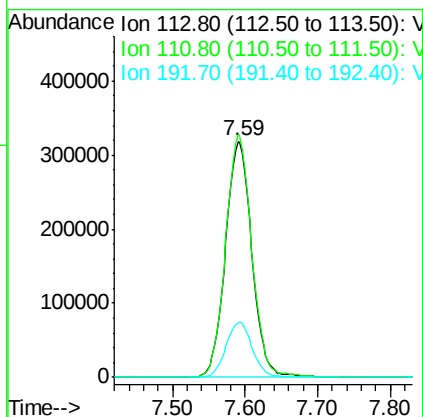
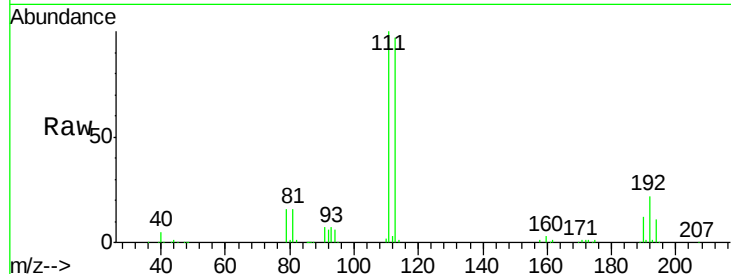




#35
 Dibromofluoromethane
 Concen: 47.958 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054383.D
 Acq: 18 Mar 2019 10:20

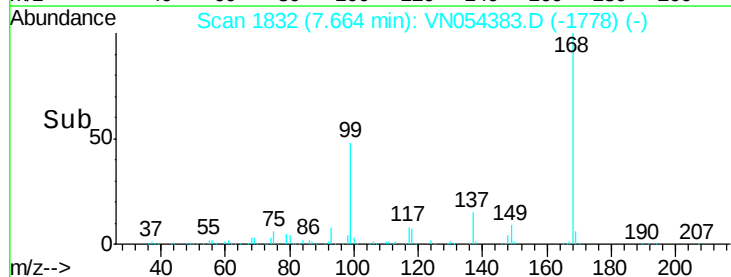
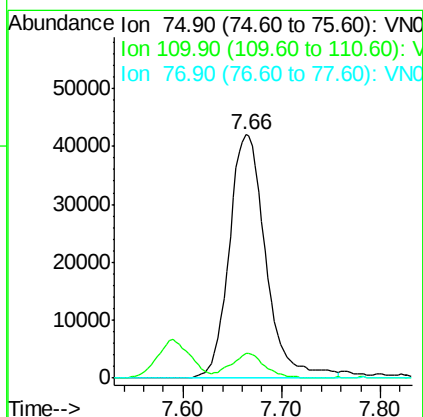
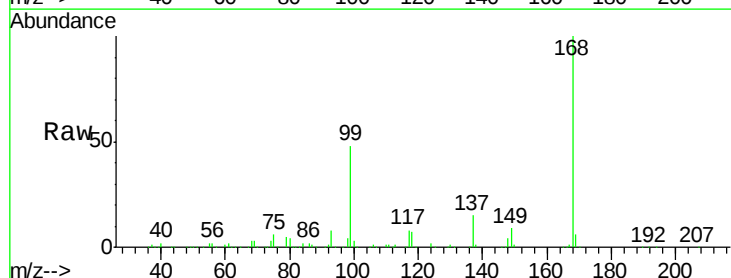
Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-16-10.5-031419

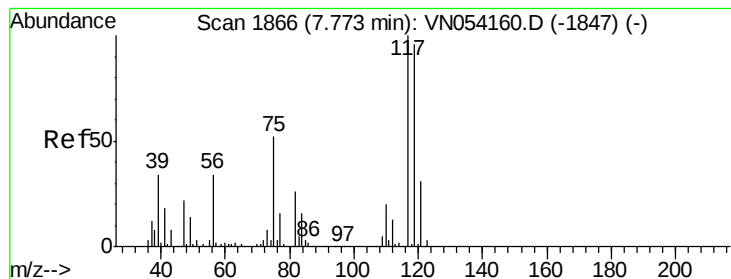
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.2	123.4
192	23.1	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 4.510 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054383.D
 Acq: 18 Mar 2019 10:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	19.1	57.5#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 5.991 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054383.D

Acq: 18 Mar 2019 10:20

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-16-10.5-031419

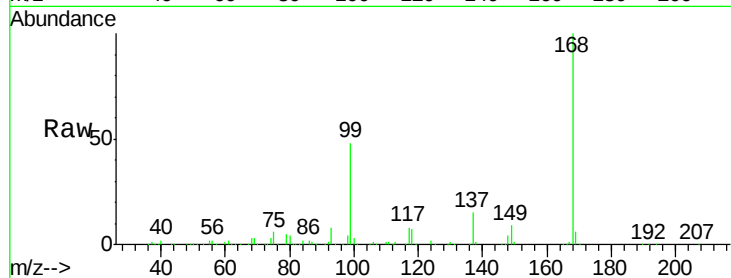
Tot Ion:117 Resp: 151063

Ion Ratio Lower Upper

117 100

119 4.6 76.3 114.5#

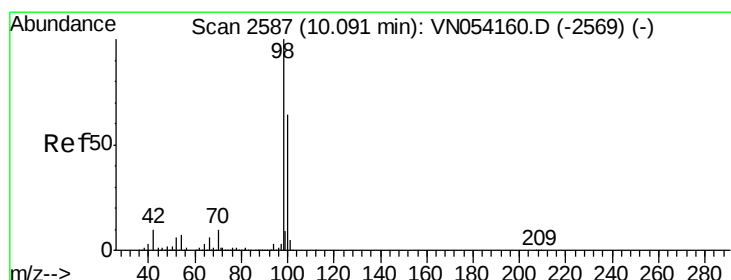
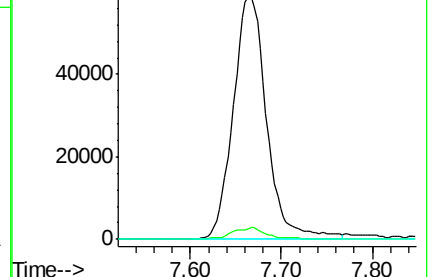
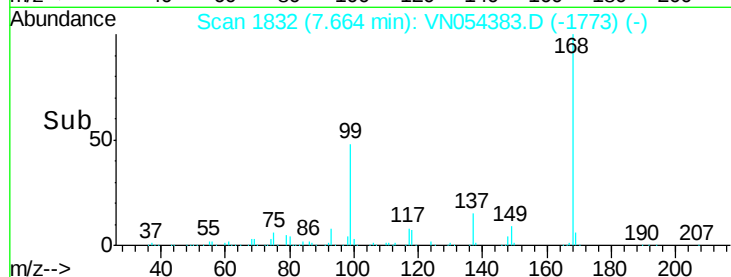
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 48.051 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054383.D

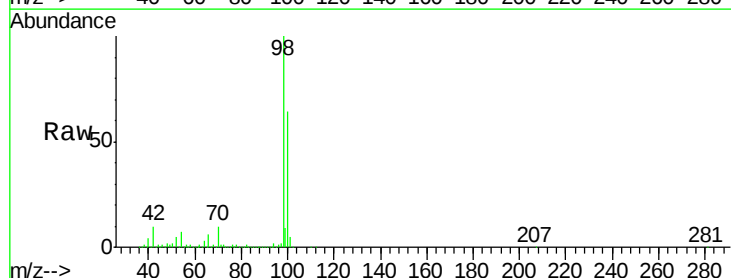
Acq: 18 Mar 2019 10:20

Tgt Ion: 98 Resp: 2988142

Ion Ratio Lower Upper

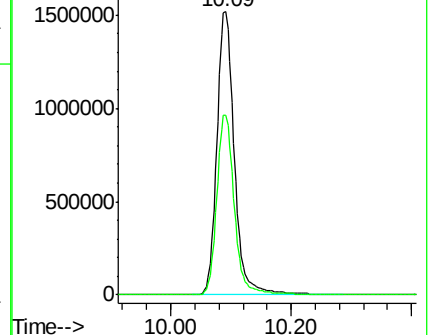
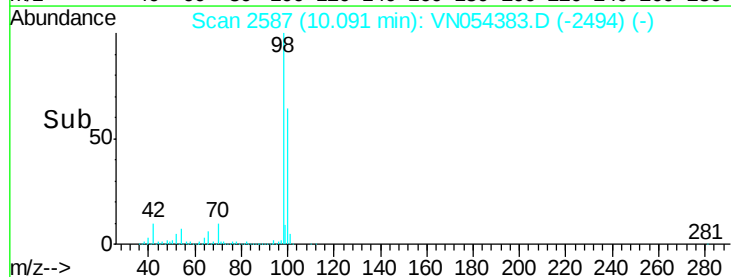
98 100

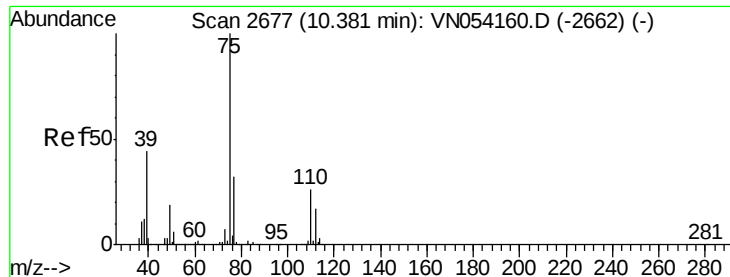
100 64.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#53

t-1,3-Dichloropropene

Concen: 1.993 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN054383.D

Acq: 18 Mar 2019 10:20

Instrument :

MSVOA_N

ClientSampleId :

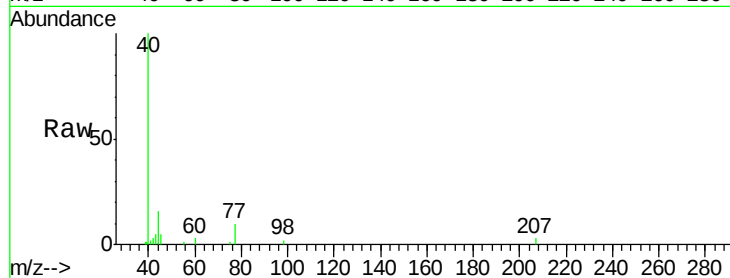
T11-MW-16-10.5-031419

Tot Ion: 75 Resp: 194

Ion Ratio Lower Upper

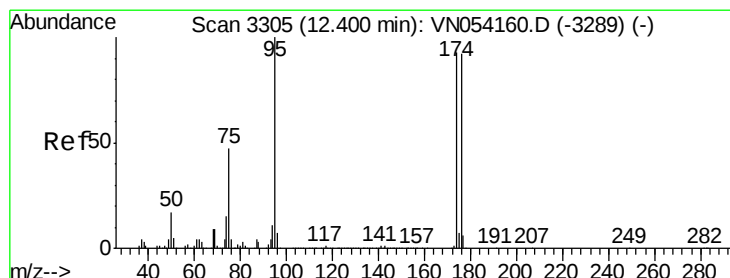
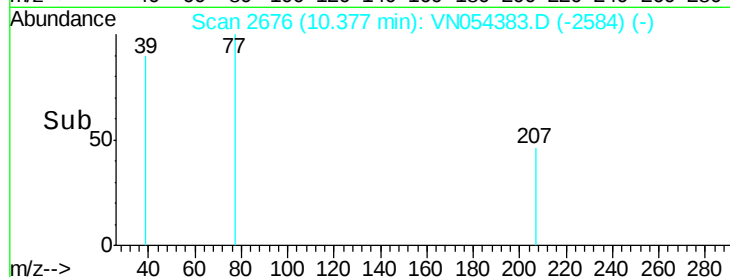
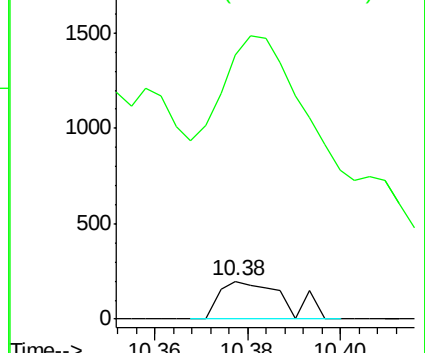
75 100

77 304.5 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#62

4-Bromofluorobenzene

Concen: 39.948 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054383.D

Acq: 18 Mar 2019 10:20

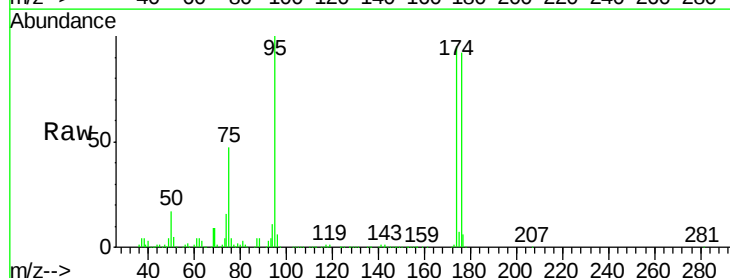
Tgt Ion: 95 Resp: 869239

Ion Ratio Lower Upper

95 100

174 96.1 0.0 191.0

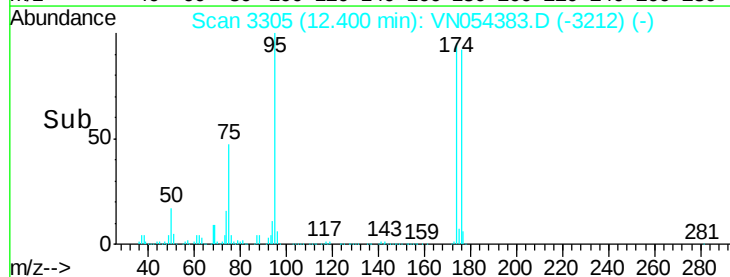
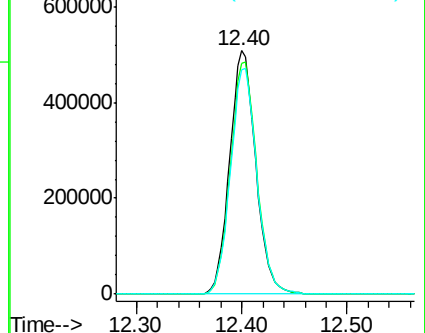
176 93.5 0.0 187.4

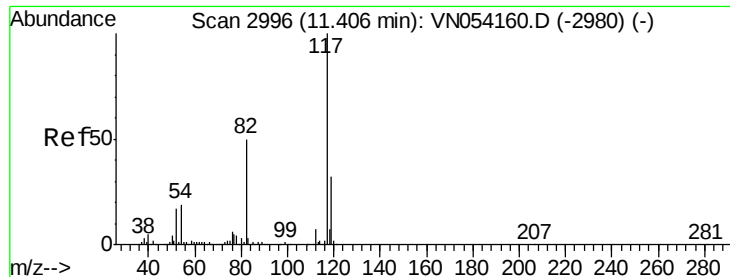


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054383.D

Acq: 18 Mar 2019 10:20

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-16-10.5-031419

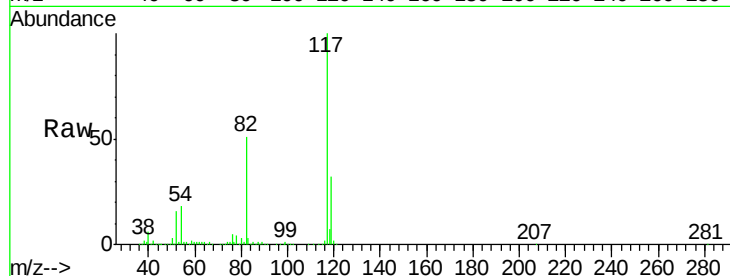
Tot Ion:117 Resp: 2144992

Ion Ratio Lower Upper

117 100

82 50.6 40.0 60.0

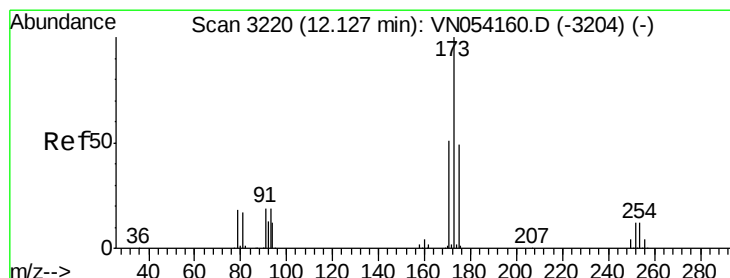
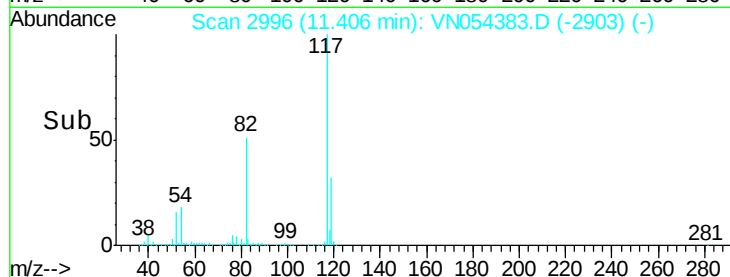
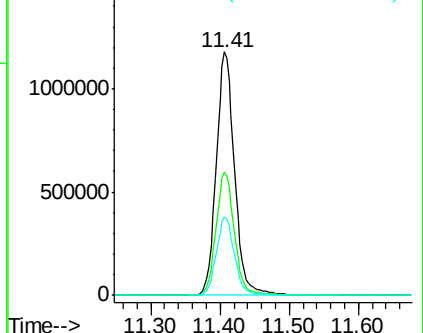
119 32.1 25.8 38.6



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



#71

Bromoform

Concen: 2.756 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN054383.D

Acq: 18 Mar 2019 10:20

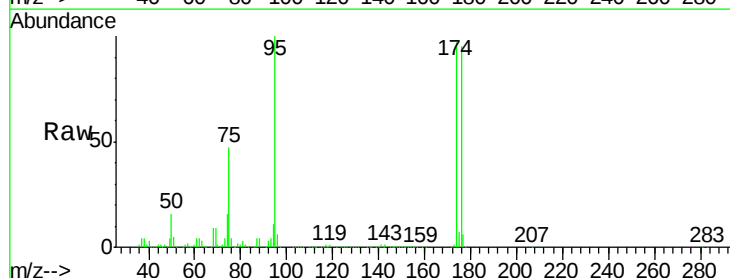
Tgt Ion:173 Resp: 5544

Ion Ratio Lower Upper

173 100

175 950.0 24.4 73.2#

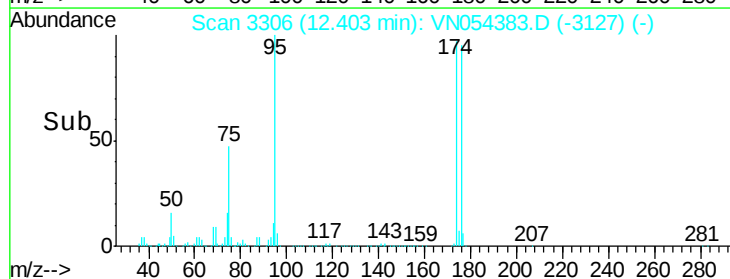
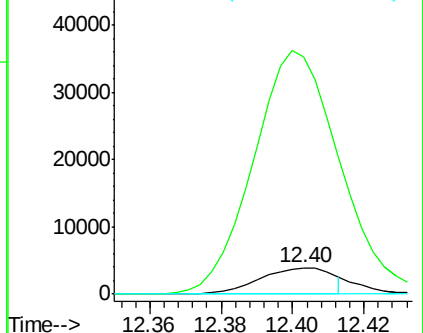
254 0.0 0.1 0.1#

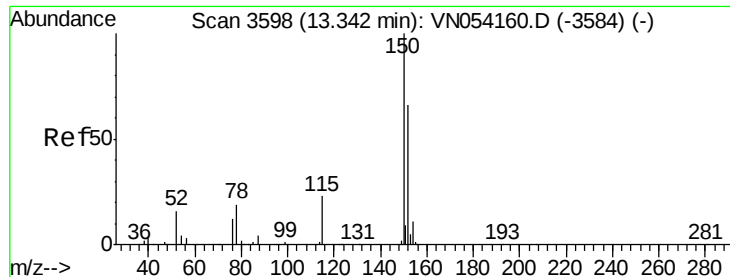


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054383.D

Acq: 18 Mar 2019 10:20

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-16-10.5-031419

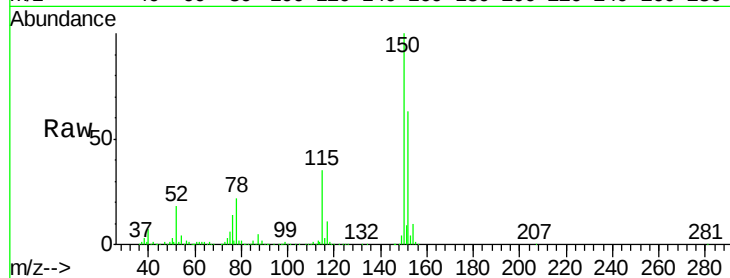
Tot Ion:152 Resp: 739173

Ion Ratio Lower Upper

152 100

115 55.2 27.2 81.6

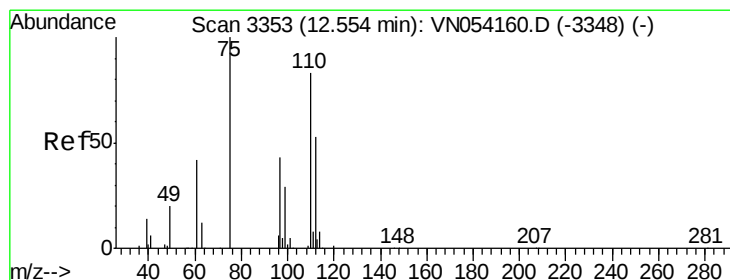
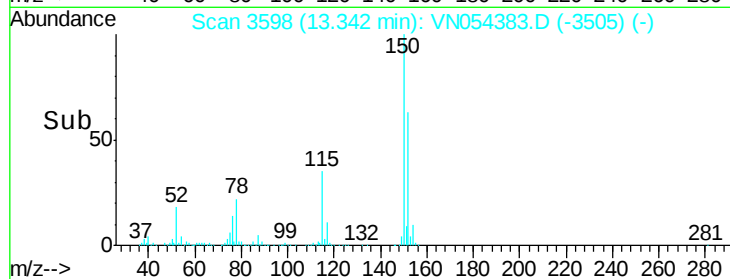
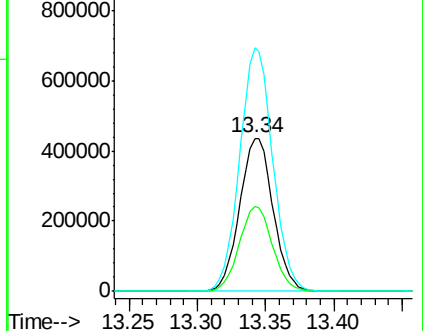
150 157.7 0.0 349.2



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



#76

1,2,3-Trichloropropane

Concen: 38.390 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054383.D

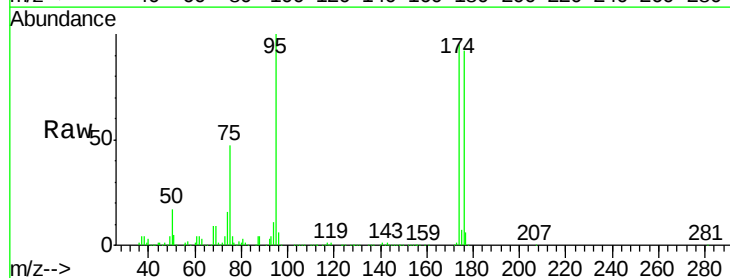
Acq: 18 Mar 2019 10:20

Tgt Ion: 75 Resp: 417298

Ion Ratio Lower Upper

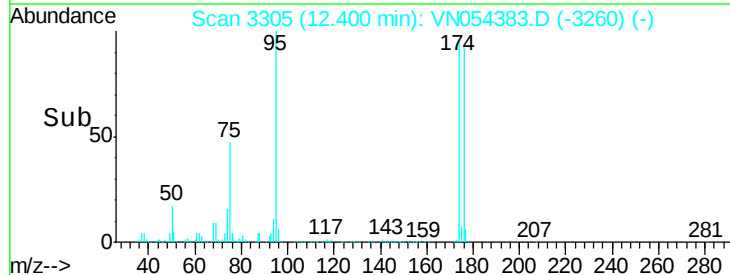
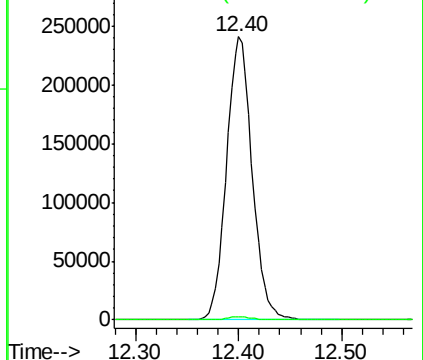
75 100

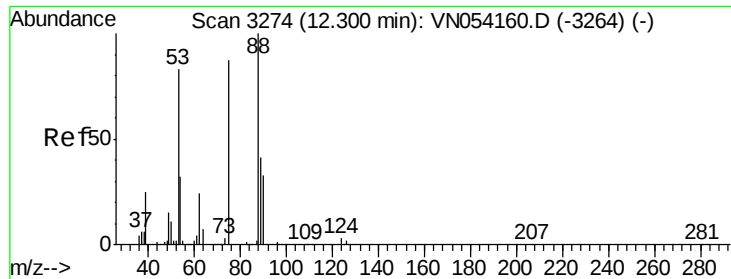
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 131.235 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054383.D

Acq: 18 Mar 2019 10:20

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-16-10.5-031419

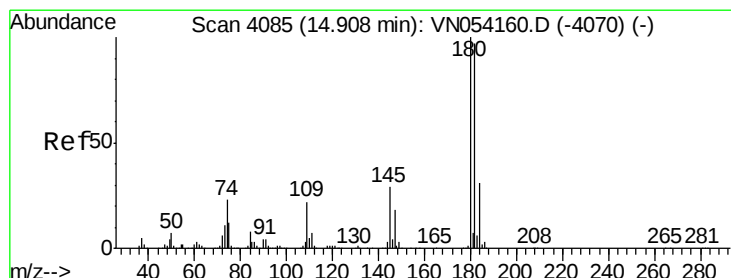
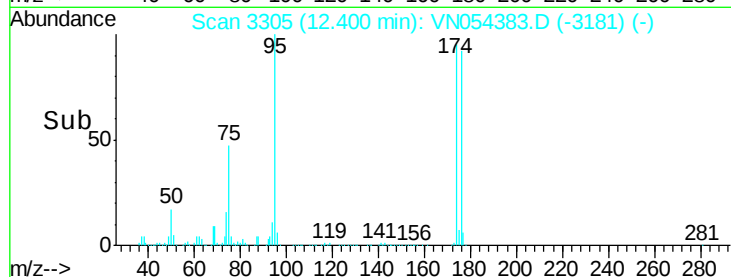
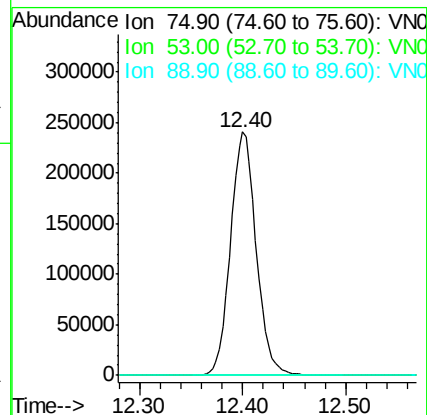
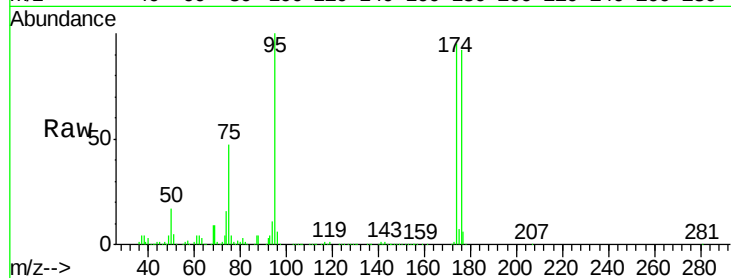
Tot Ion: 75 Resp: 417298

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 39.2 58.8#



#93

1,2,4-Trichlorobenzene

Concen: 2.575 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. -0.00 min

Lab File: VN054383.D

Acq: 18 Mar 2019 10:20

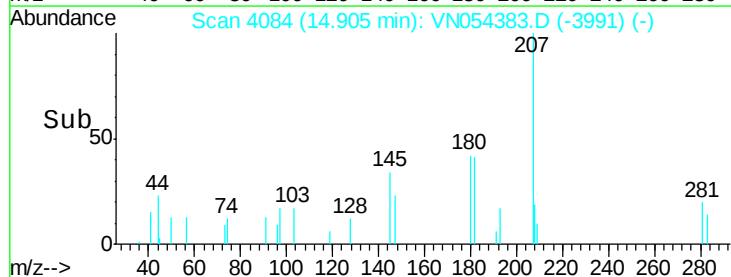
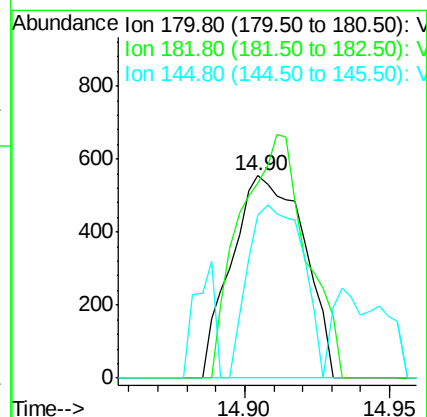
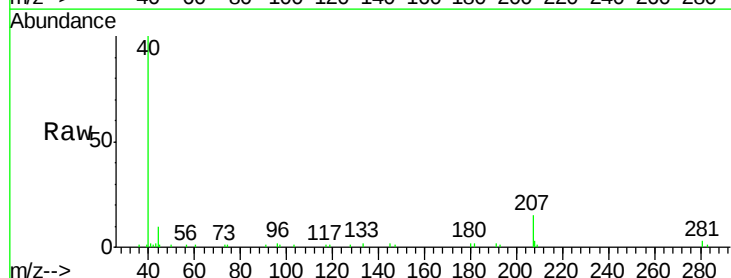
Tgt Ion: 180 Resp: 961

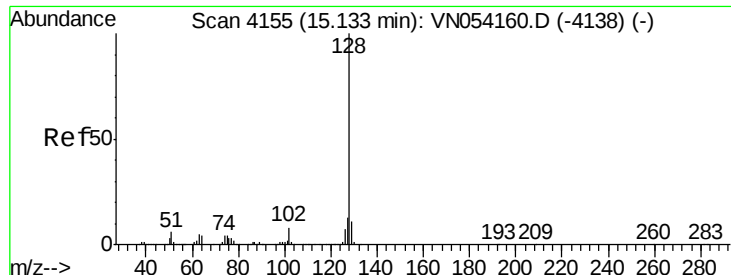
Ion Ratio Lower Upper

180 100

182 109.8 48.0 144.2

145 65.5 14.2 42.8#





#95

Naphthalene

Concen: 3.559 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN054383.D

Acq: 18 Mar 2019 10:20

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-16-10.5-031419

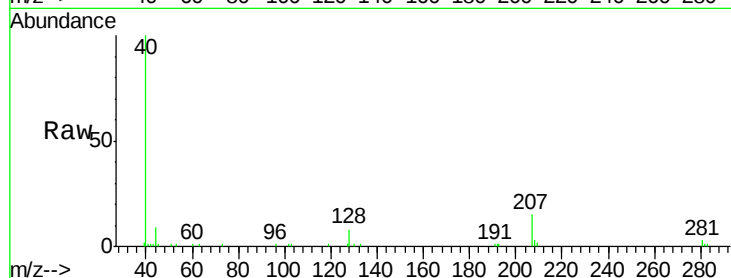
Tot Ion:128 Resp: 3122

Ion Ratio Lower Upper

128 100

127 8.2 10.1 15.1#

129 4.8 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

