

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031619\
 Data File : VN054342.D
 Acq On : 16 Mar 2019 17:40
 Operator : JC/SP
 Sample : K1960-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Mar 18 04:52:17 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	2011976	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2838462	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2349339	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	912987	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	926128	43.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.68%	
35) Dibromofluoromethane	7.59	113	820711	44.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.66%	
50) Toluene-d8	10.09	98	3261535	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	
62) 4-Bromofluorobenzene	12.40	95	989545	41.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.66%	

Target Compounds

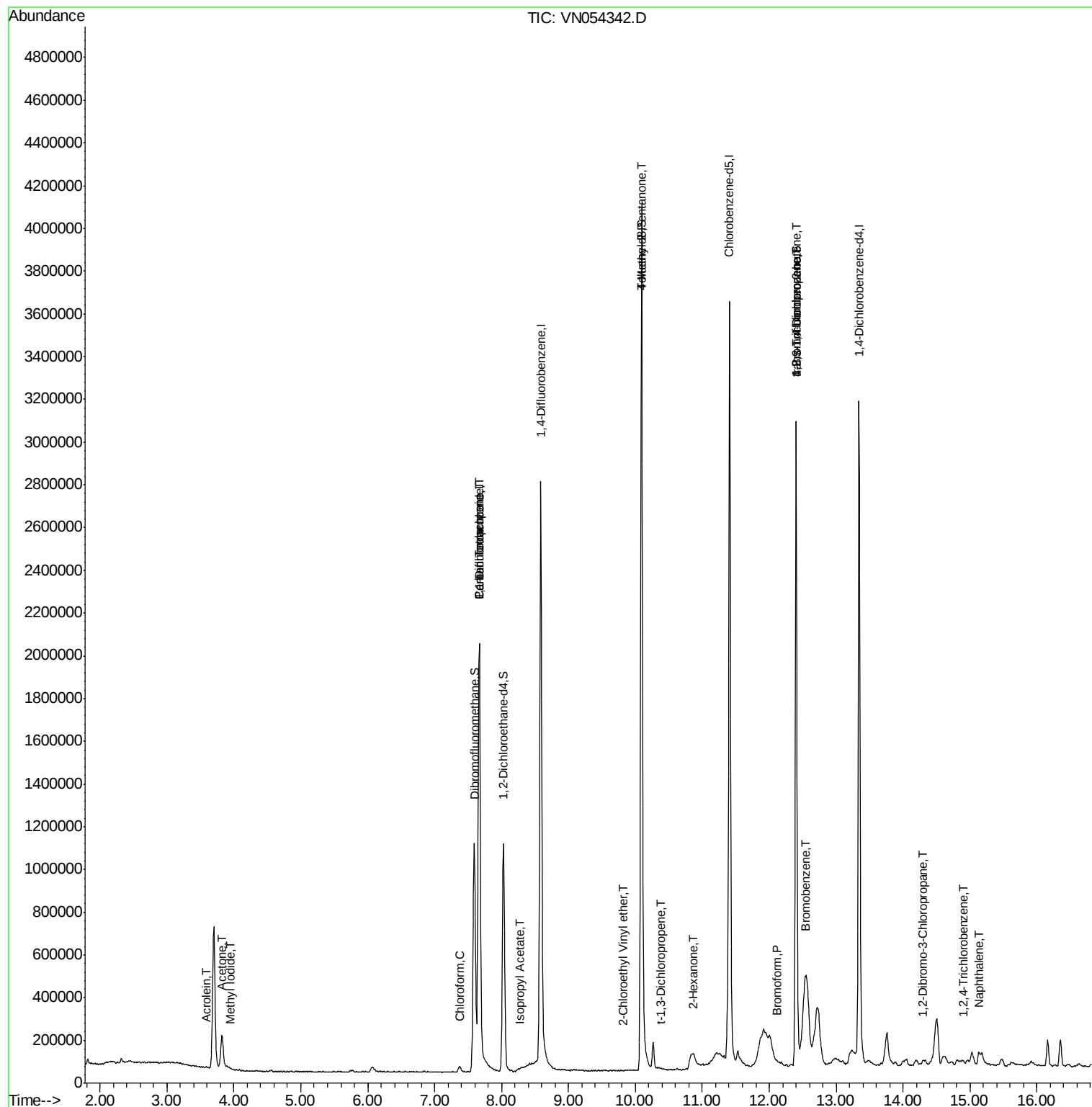
						Qvalue
10) Methyl Iodide	3.95	142	957	1.528	ug/l #	74
13) Acrolein	3.59	56	529	0.381	ug/l #	14
16) Acetone	3.82	43	245960	40.203	ug/l	97
30) Chloroform	7.37	83	29547	0.824	ug/l	99
31) Cyclohexane	7.66	56	29564	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	113979	4.360	ug/l #	48
38) Carbon Tetrachloride	7.66	117	162735	5.937	ug/l #	16
43) Isopropyl Acetate	8.27	43	13294	0.504	ug/l #	60
51) 4-Methyl-2-Pentanone	10.09	43	12167	0.872	ug/l #	1
53) t-1,3-Dichloropropene	10.38	75	116	1.990	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.81	63	30	16.831	ug/l #	44
59) 2-Hexanone	10.85	43	26586	2.864	ug/l	72
71) Bromoform	12.13	173	682	2.396	ug/l #	28
76) 1,2,3-Trichloropropane	12.40	75	459963	34.259	ug/l #	100
77) Bromobenzene	12.54	156	641417	33.185	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.40	75	459963	117.114	ug/l #	18
92) 1,2-Dibromo-3-Chloropropan	14.28	75	504	0.209	ug/l #	53
93) 1,2,4-Trichlorobenzene	14.91	180	1374	2.584	ug/l #	1
95) Naphthalene	15.13	128	56190	4.776	ug/l	96

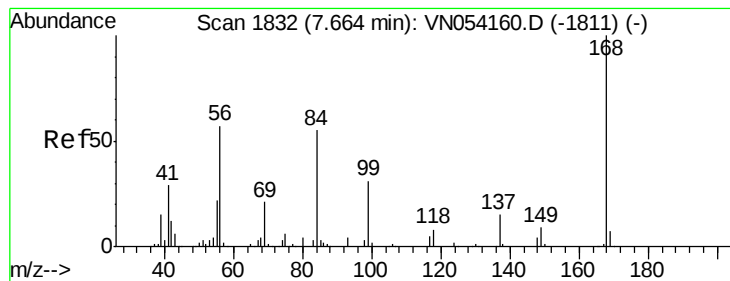
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031619\
Data File : VN054342.D
Acq On : 16 Mar 2019 17:40
Operator : JC/SP
Sample : K1960-05
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Mar 18 04:52:17 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
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: VN054342.D

Acq: 16 Mar 2019 17:40

Instrument :

MSVOA_N

ClientSampleId :

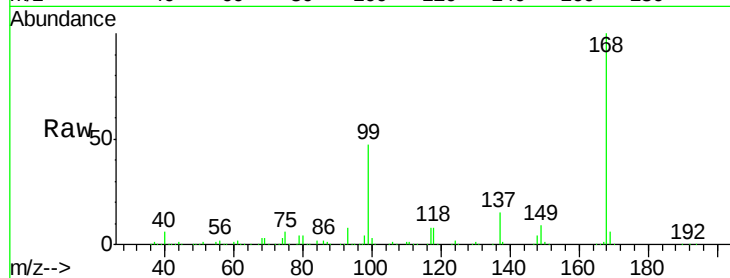
T11-MW-16-10.5-031419

Tot Ion:168 Resp: 2011976

Ion Ratio Lower Upper

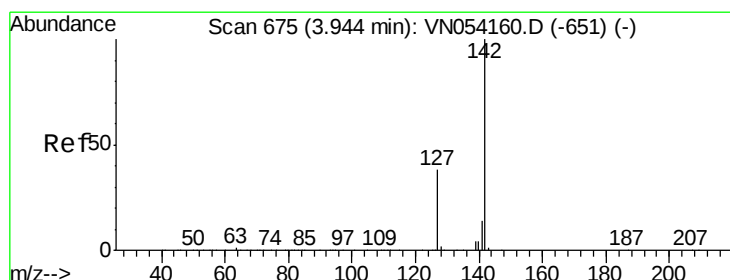
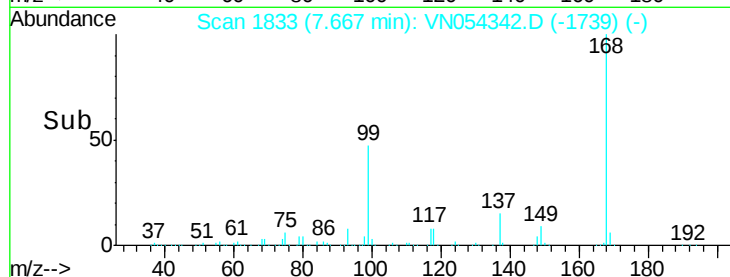
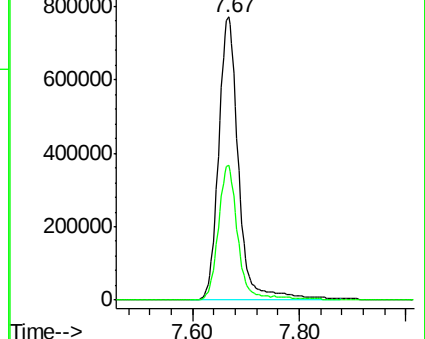
168 100

99 47.5 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#10

Methyl Iodide

Concen: 1.528 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.01 min

Lab File: VN054342.D

Acq: 16 Mar 2019 17:40

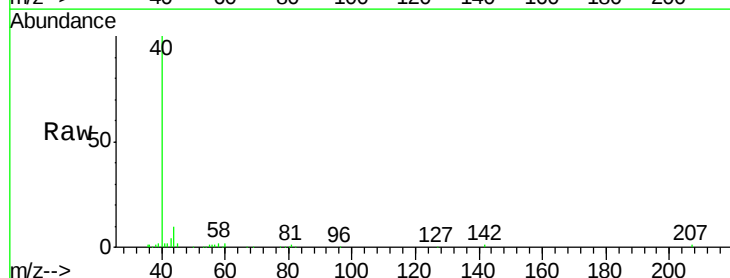
Tgt Ion:142 Resp: 957

Ion Ratio Lower Upper

142 100

127 24.0 30.3 45.5#

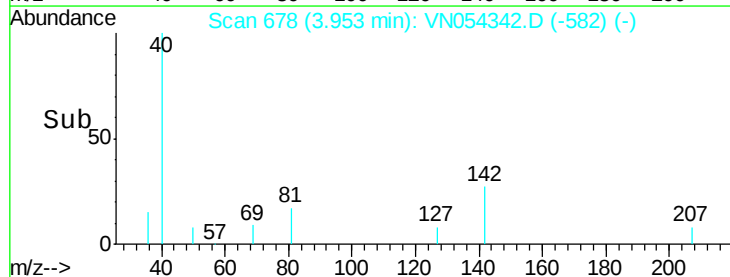
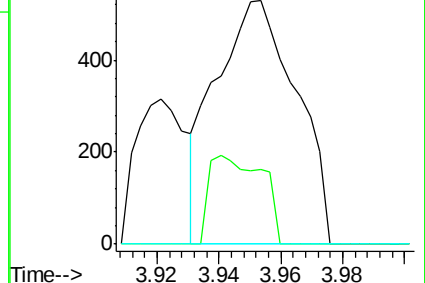
141 0.0 11.2 16.8#

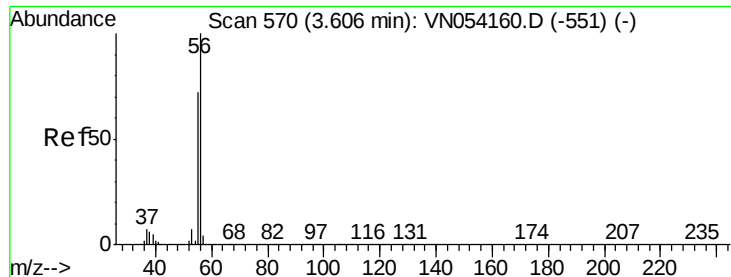


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

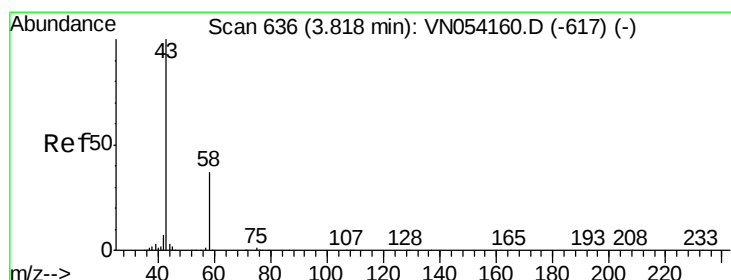
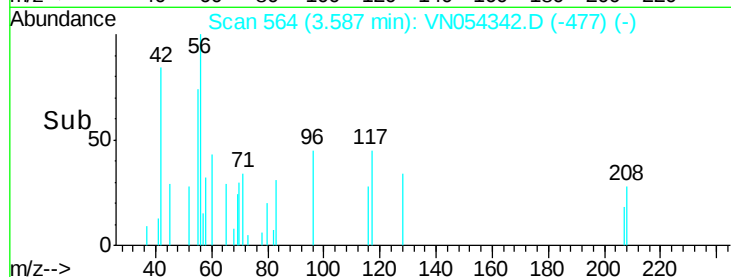
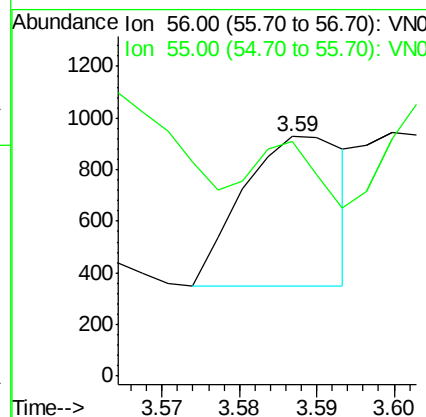
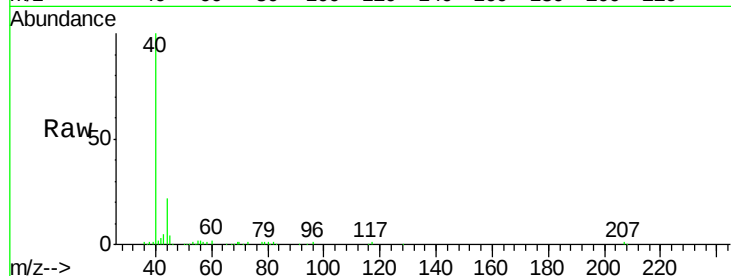




#13
Acrolein
Concen: 0.381 ug/l
RT: 3.59 min Scan# 564
Delta R.T. -0.02 min
Lab File: VN054342.D
Acq: 16 Mar 2019 17:40

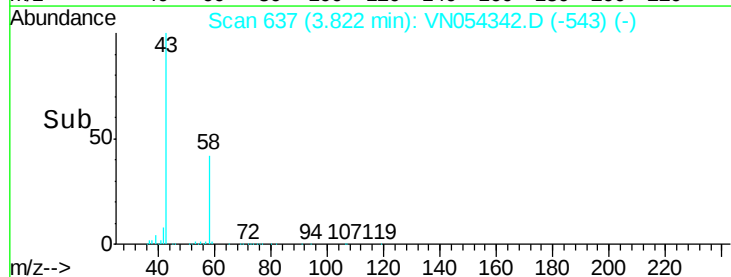
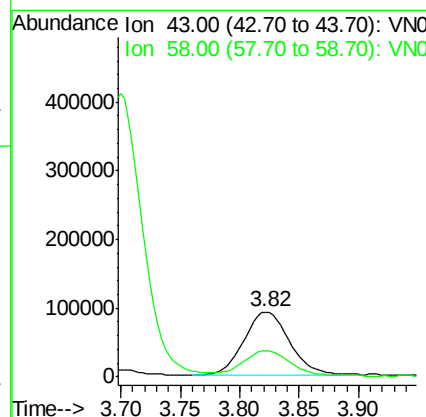
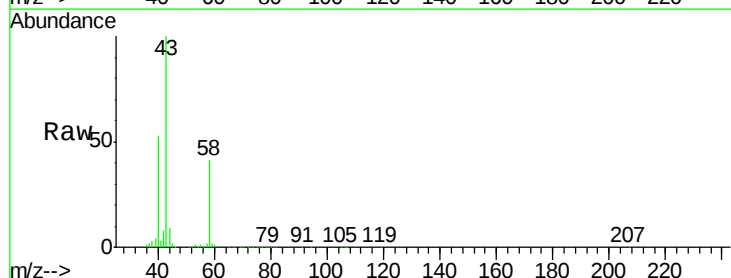
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-16-10.5-031419

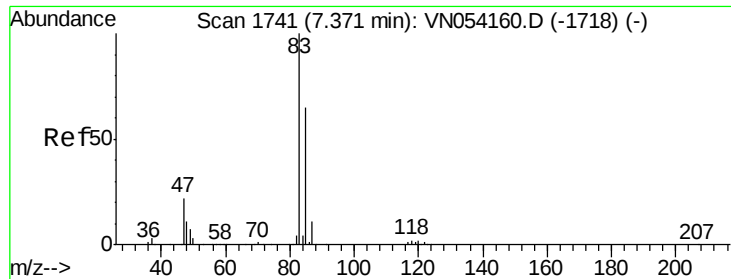
Tot Ion: 56 Resp: 529
Ion Ratio Lower Upper
56 100
55 0.0 56.7 85.1#



#16
Acetone
Concen: 40.203 ug/l
RT: 3.82 min Scan# 637
Delta R.T. 0.00 min
Lab File: VN054342.D
Acq: 16 Mar 2019 17:40

Tgt Ion: 43 Resp: 245960
Ion Ratio Lower Upper
43 100
58 39.2 29.9 44.9

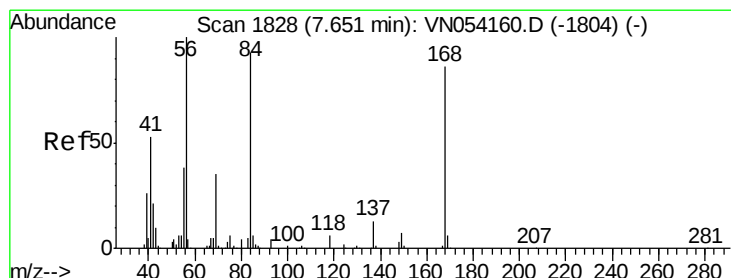
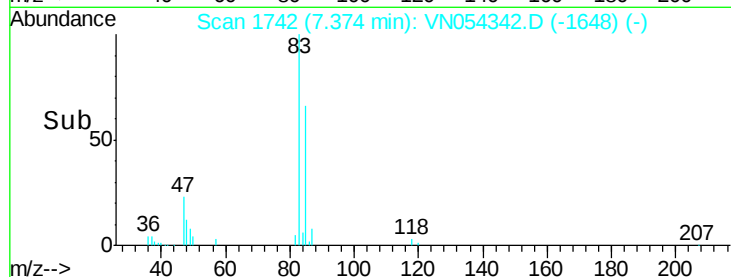
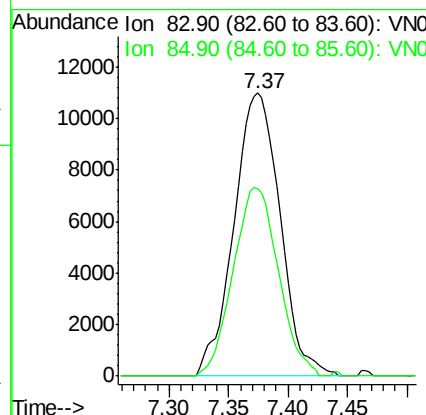
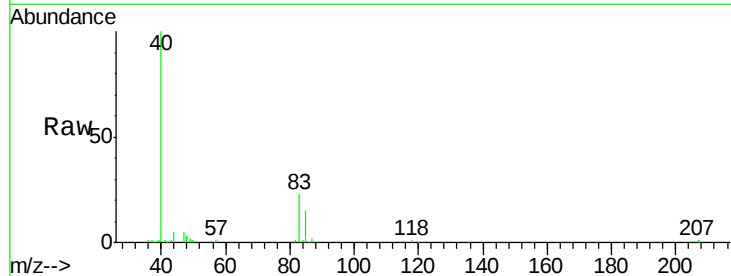




#30
Chloroform
Concen: 0.824 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054342.D
Acq: 16 Mar 2019 17:40

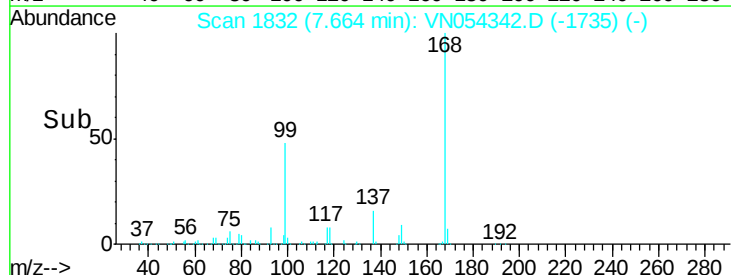
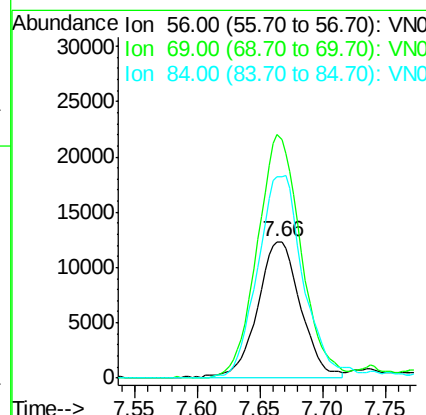
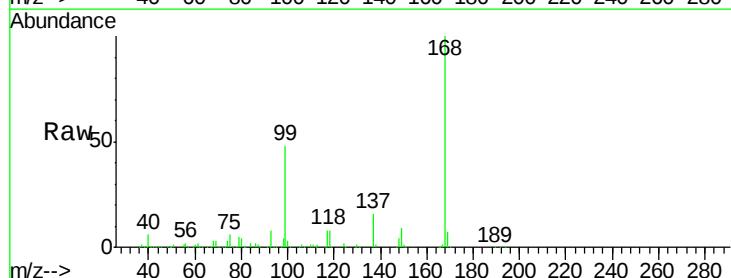
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-16-10.5-031419

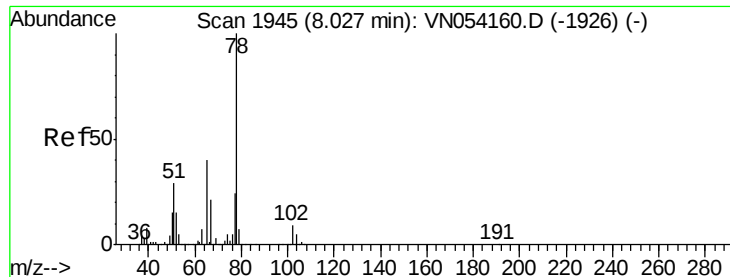
Tot Ion: 83 Resp: 29547
Ion Ratio Lower Upper
83 100
85 66.0 52.2 78.4



#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN054342.D
Acq: 16 Mar 2019 17:40

Tgt Ion: 56 Resp: 29564
Ion Ratio Lower Upper
56 100
69 178.3 27.8 41.6#
84 147.2 74.6 111.8#





#33

1,2-Dichloroethane-d4

Concen: 43.343 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054342.D

Acq: 16 Mar 2019 17:40

Instrument :

MSVOA_N

ClientSampleId :

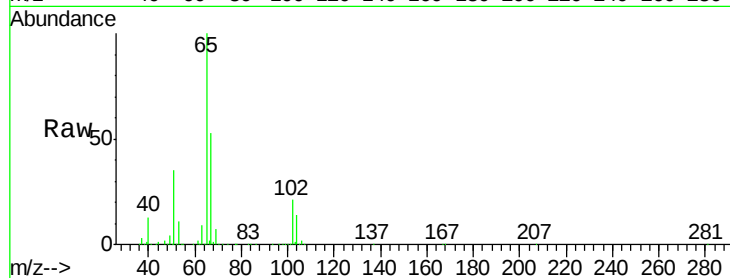
T11-MW-16-10.5-031419

Tot Ion: 65 Resp: 926128

Ion Ratio Lower Upper

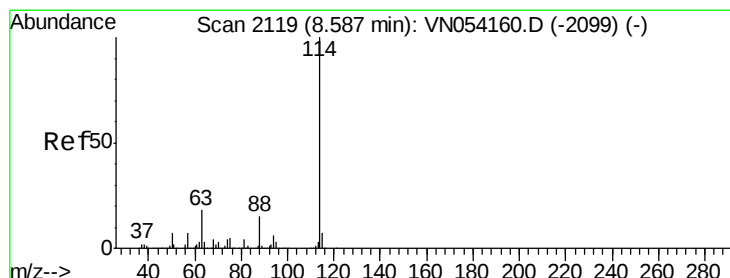
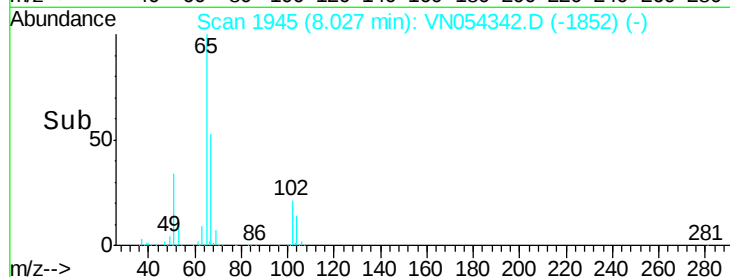
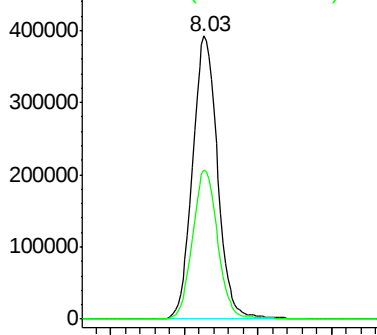
65 100

67 53.3 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: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054342.D

Acq: 16 Mar 2019 17:40

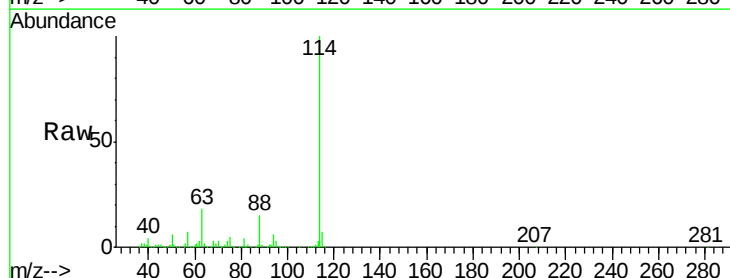
Tgt Ion: 114 Resp: 2838462

Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.2

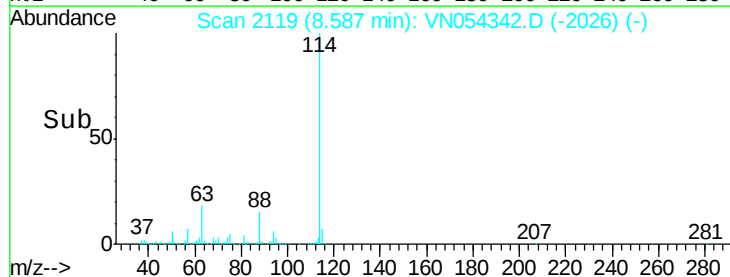
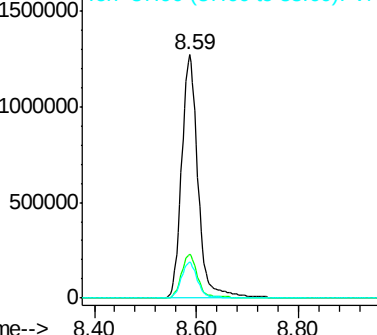
88 14.7 0.0 30.2

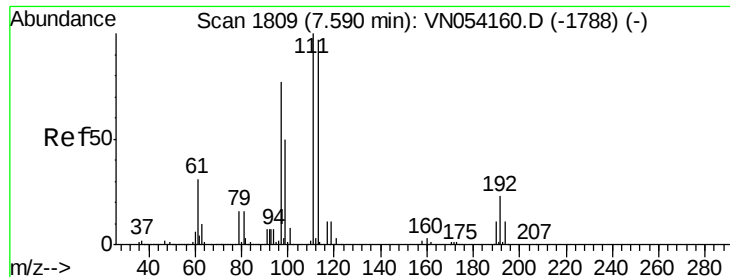


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

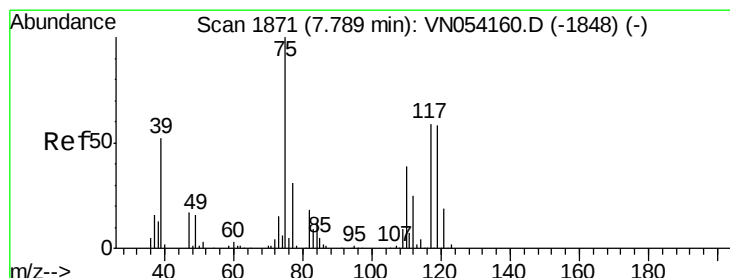
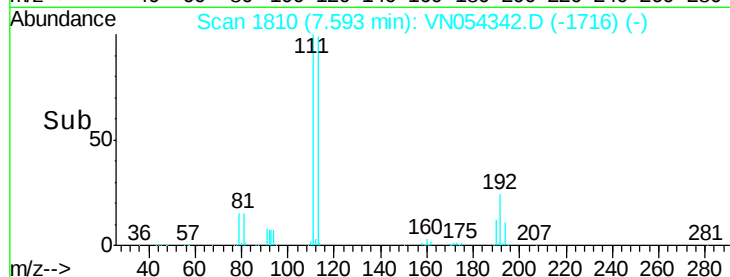
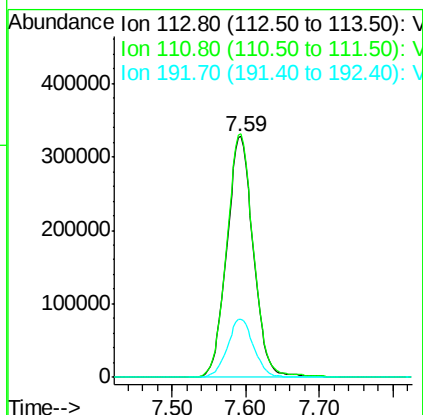
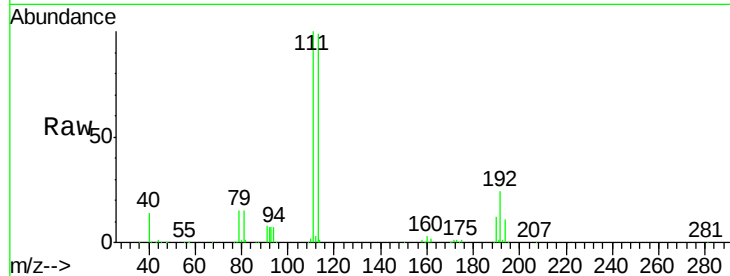




#35
 Dibromofluoromethane
 Concen: 44.831 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054342.D
 Acq: 16 Mar 2019 17:40

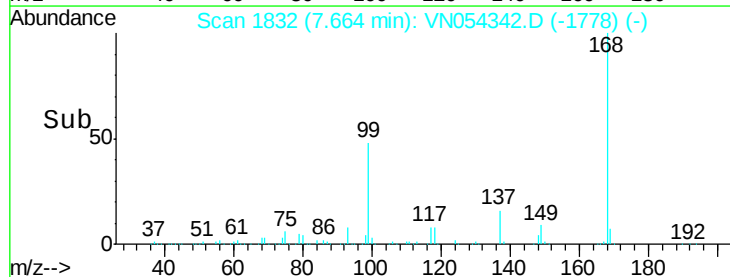
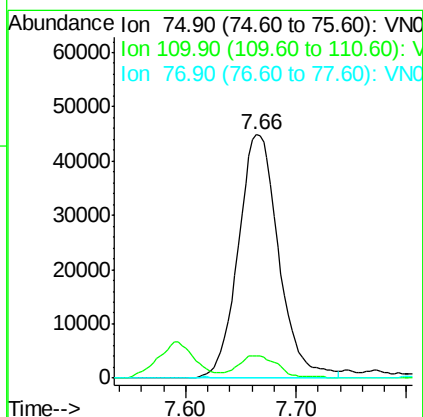
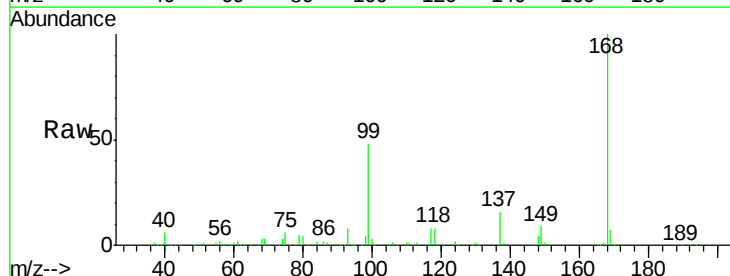
Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-16-10.5-031419

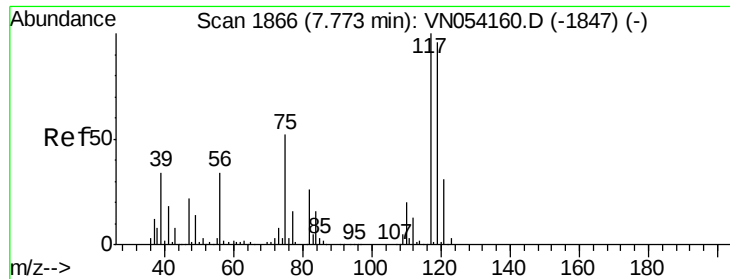
Tot Ion:113 Resp: 820711
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.2 123.4
 192 23.8 19.2 28.8



#36
 1,1-Dichloropropene
 Concen: 4.360 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054342.D
 Acq: 16 Mar 2019 17:40

Tgt Ion: 75 Resp: 113979
 Ion Ratio Lower Upper
 75 100
 110 9.0 19.1 57.5#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.937 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054342.D

Acq: 16 Mar 2019 17:40

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-16-10.5-031419

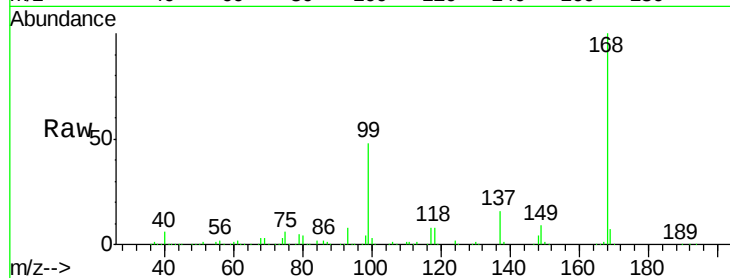
Tot Ion:117 Resp: 162735

Ion Ratio Lower Upper

117 100

119 4.3 76.3 114.5#

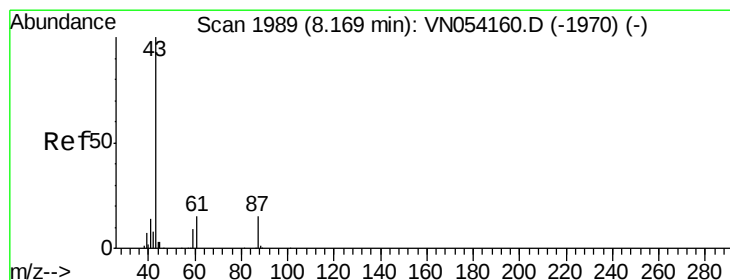
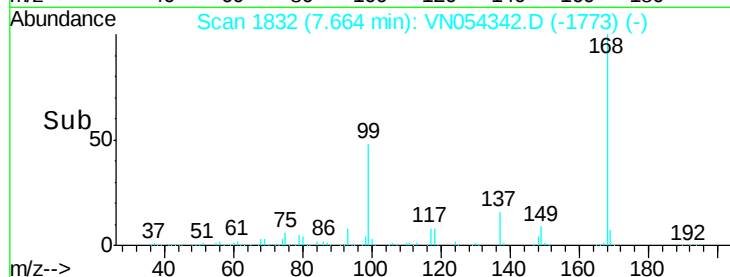
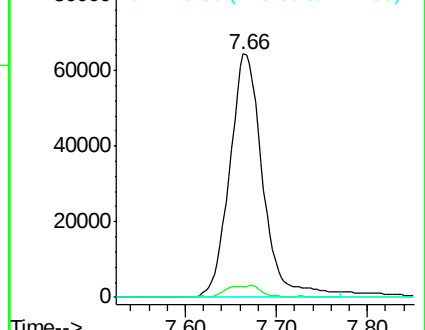
121 0.0 24.6 36.8#



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



#43

Isopropyl Acetate

Concen: 0.504 ug/l

RT: 8.27 min Scan# 2020

Delta R.T. 0.10 min

Lab File: VN054342.D

Acq: 16 Mar 2019 17:40

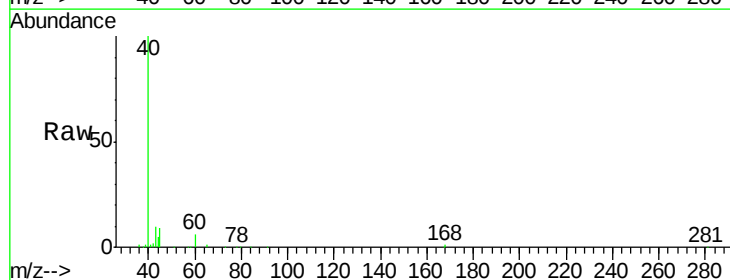
Tgt Ion: 43 Resp: 13294

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.8#

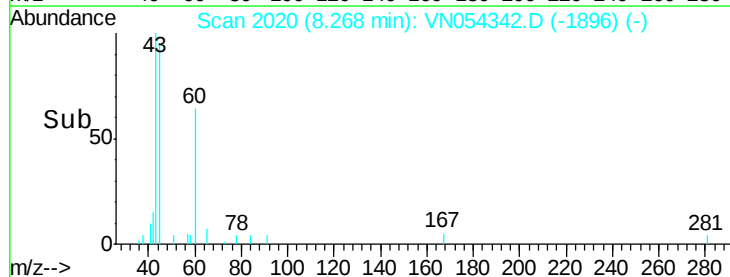
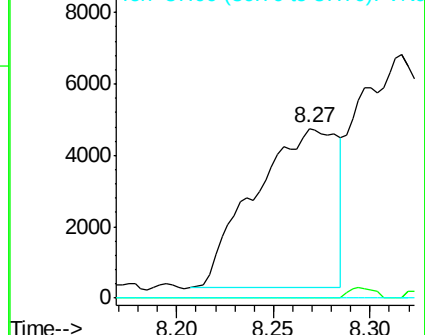
87 0.0 12.0 18.0#

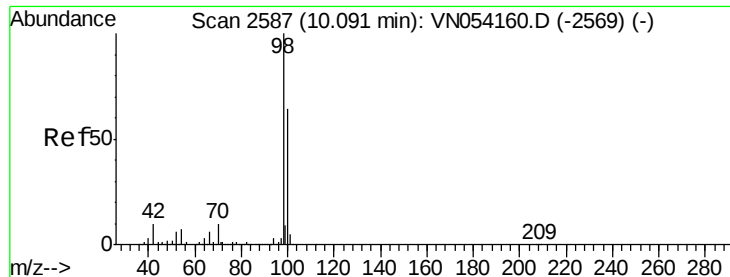


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 48.240 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054342.D

Acq: 16 Mar 2019 17:40

Instrument :

MSVOA_N

ClientSampleId :

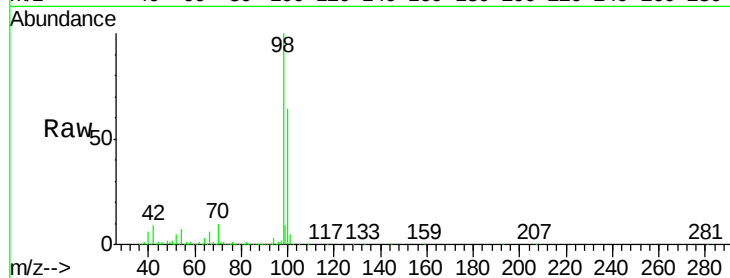
T11-MW-16-10.5-031419

Tot Ion: 98 Resp: 3261535

Ion Ratio Lower Upper

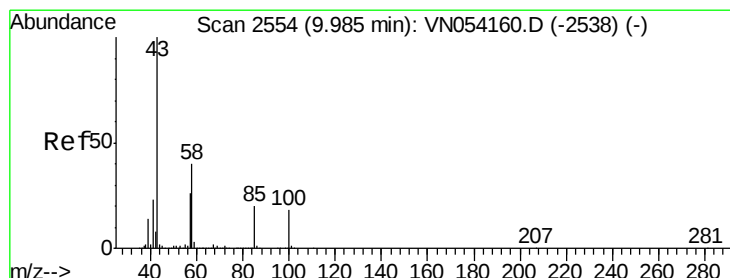
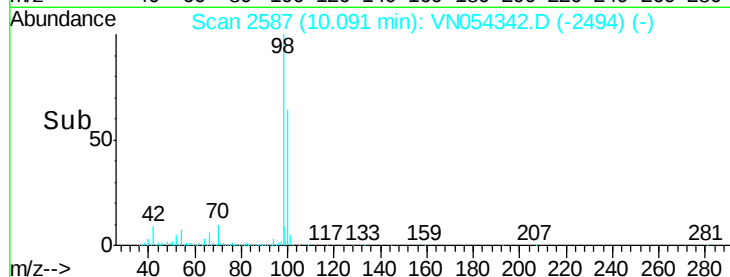
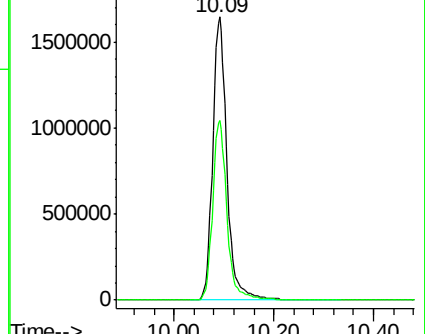
98 100

100 64.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 0.872 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.11 min

Lab File: VN054342.D

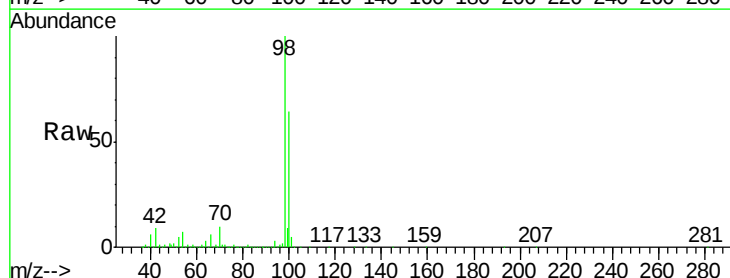
Acq: 16 Mar 2019 17:40

Tgt Ion: 43 Resp: 12167

Ion Ratio Lower Upper

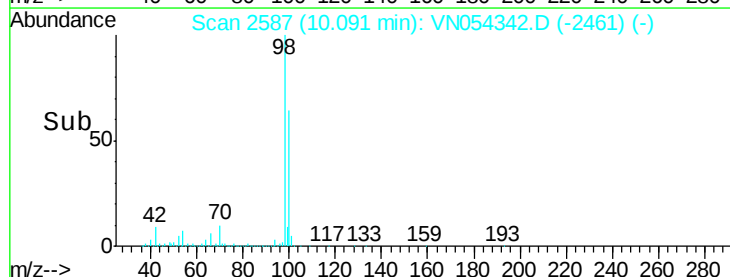
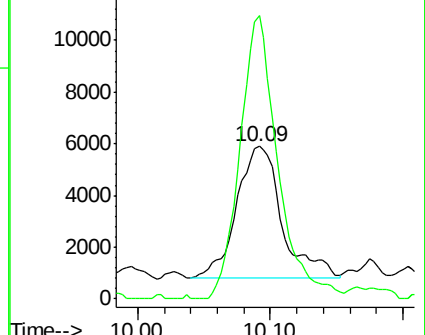
43 100

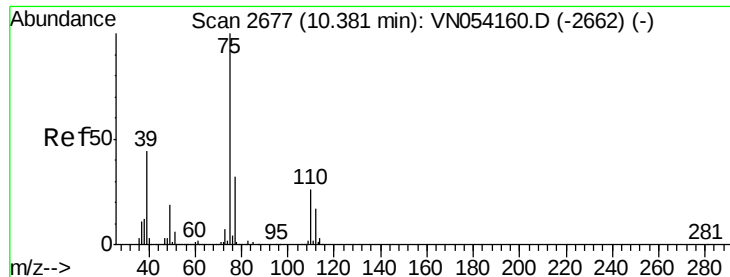
58 178.8 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#53

t-1,3-Dichloropropene

Concen: 1.990 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054342.D

Acq: 16 Mar 2019 17:40

Instrument :

MSVOA_N

ClientSampleId :

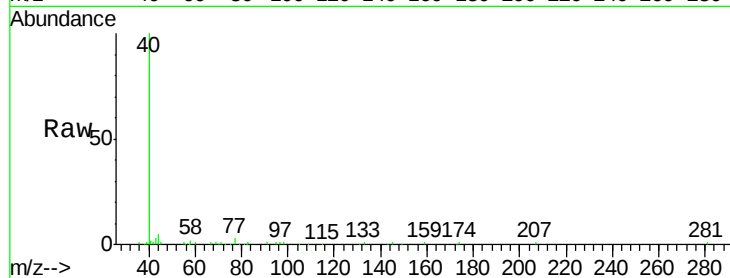
T11-MW-16-10.5-031419

Tot Ion: 75 Resp: 116

Ion Ratio Lower Upper

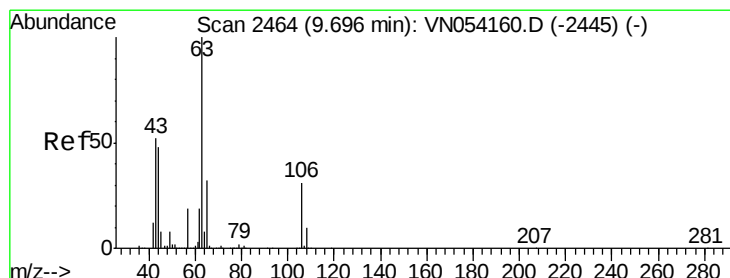
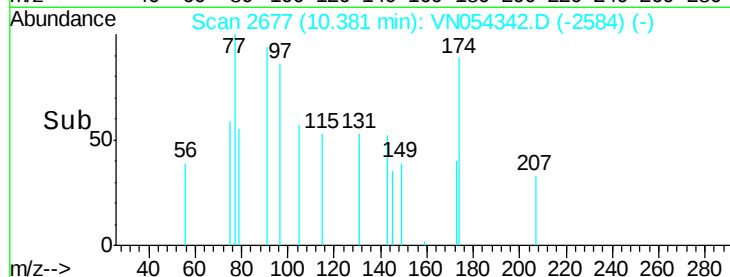
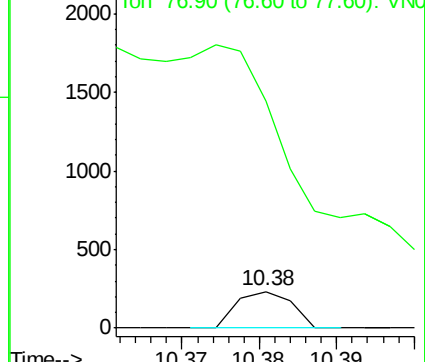
75 100

77 321.1 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 16.831 ug/l

RT: 9.81 min Scan# 2500

Delta R.T. 0.12 min

Lab File: VN054342.D

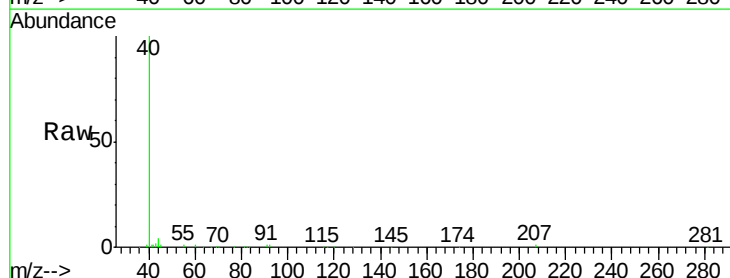
Acq: 16 Mar 2019 17:40

Tgt Ion: 63 Resp: 30

Ion Ratio Lower Upper

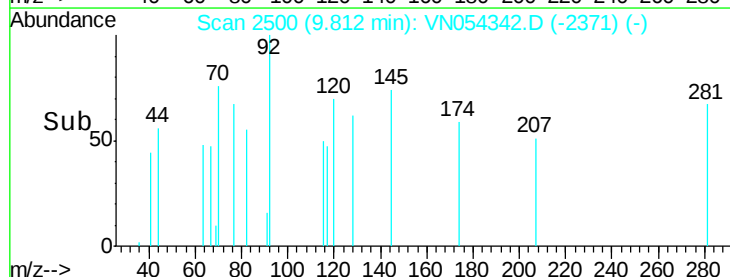
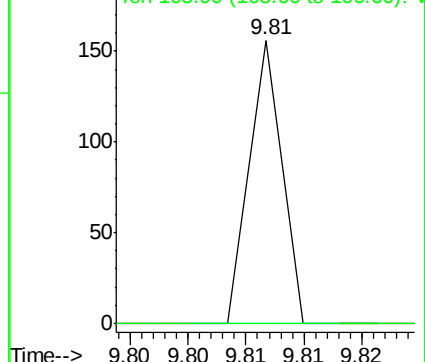
63 100

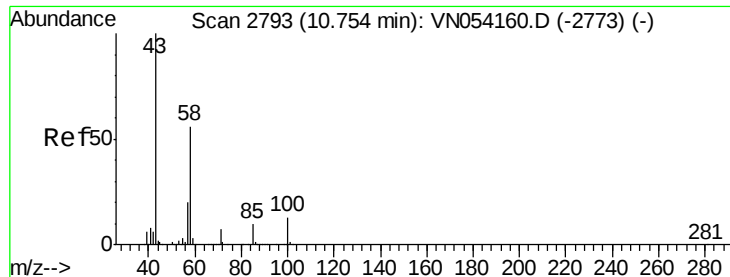
106 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

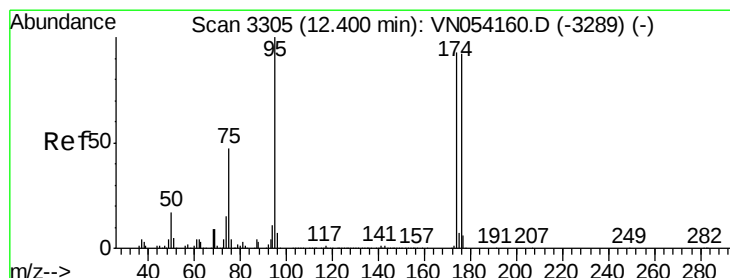
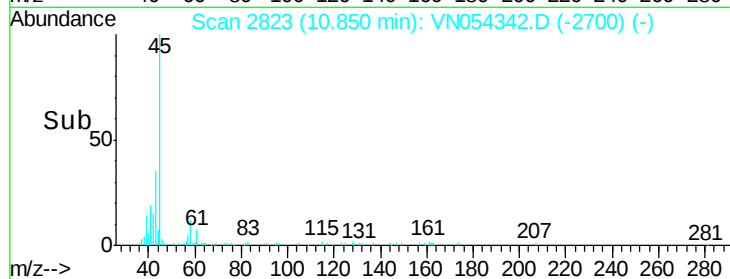
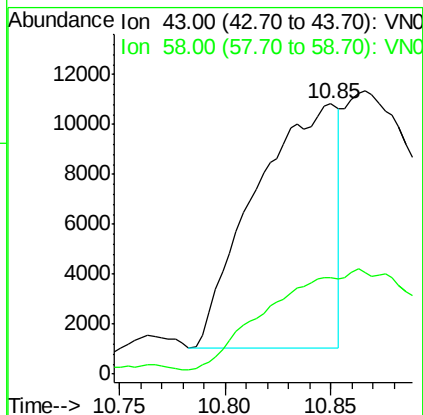
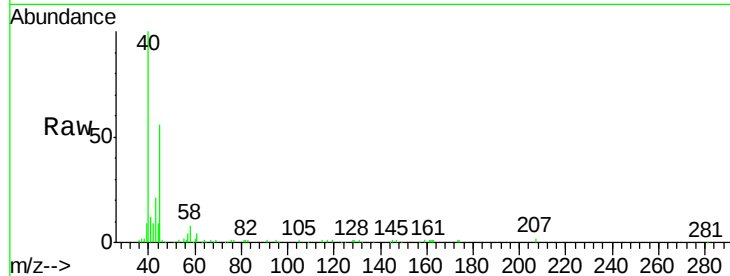




#59
2-Hexanone
Concen: 2.864 ug/l
RT: 10.85 min Scan# 2823
Delta R.T. 0.10 min
Lab File: VN054342.D
Acq: 16 Mar 2019 17:40

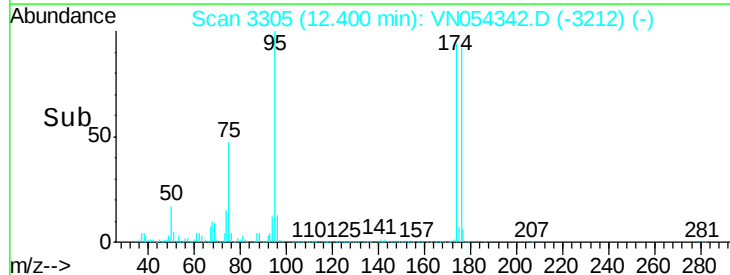
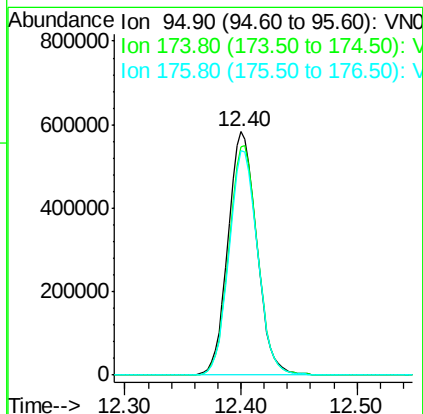
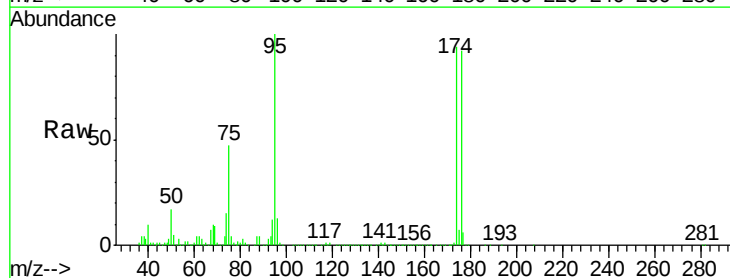
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-16-10.5-031419

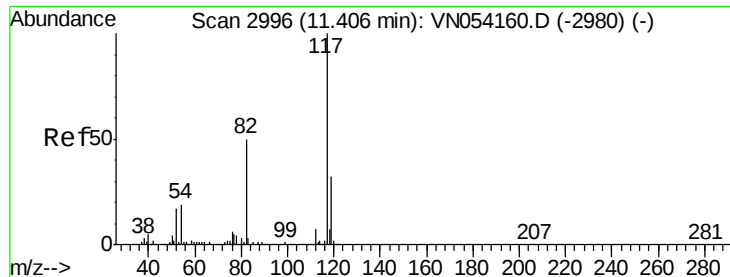
Tot Ion: 43 Resp: 26586
Ion Ratio Lower Upper
43 100
58 35.5 28.0 83.9



#62
4-Bromofluorobenzene
Concen: 41.829 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054342.D
Acq: 16 Mar 2019 17:40

Tgt Ion: 95 Resp: 989545
Ion Ratio Lower Upper
95 100
174 94.3 0.0 191.0
176 91.8 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: VN054342.D

Acq: 16 Mar 2019 17:40

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-16-10.5-031419

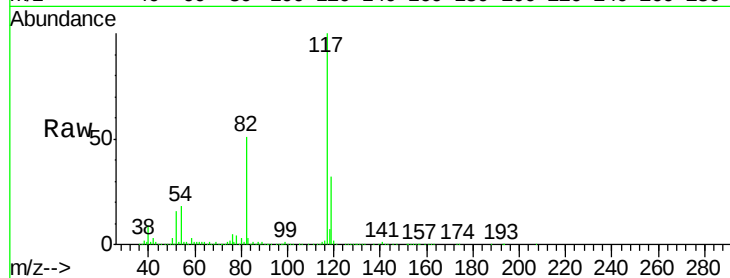
Tot Ion:117 Resp: 2349339

Ion Ratio Lower Upper

117 100

82 51.4 40.0 60.0

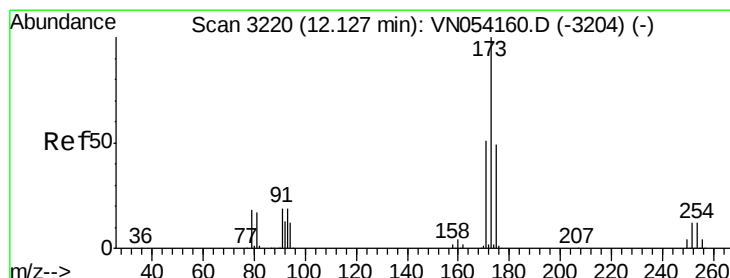
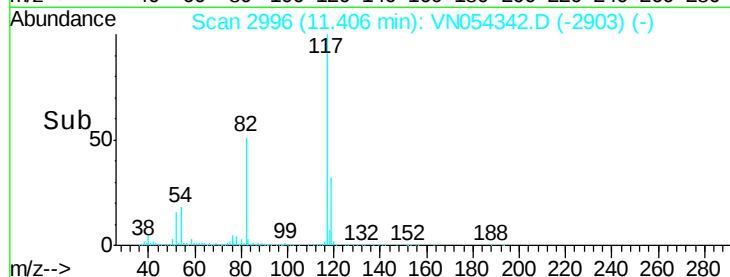
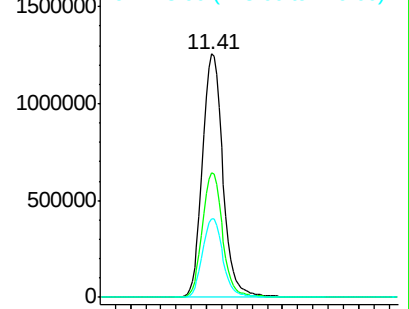
119 32.3 25.8 38.6



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: 2.396 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN054342.D

Acq: 16 Mar 2019 17:40

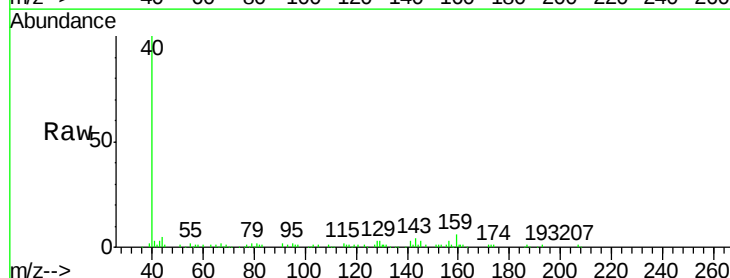
Tgt Ion:173 Resp: 682

Ion Ratio Lower Upper

173 100

175 0.0 24.4 73.2#

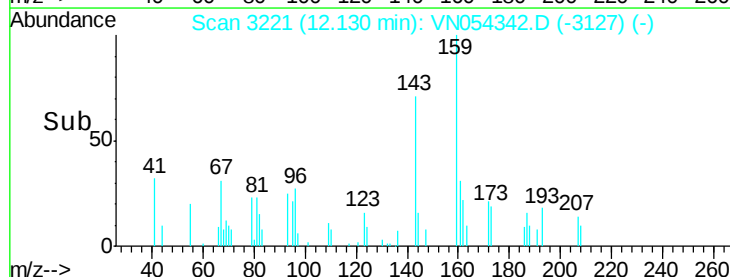
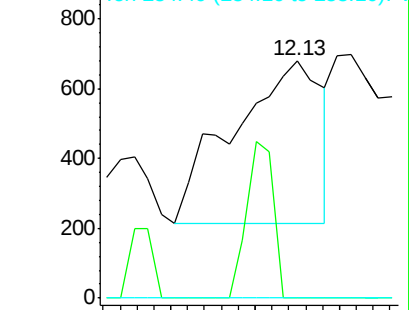
254 0.0 0.1 0.1#

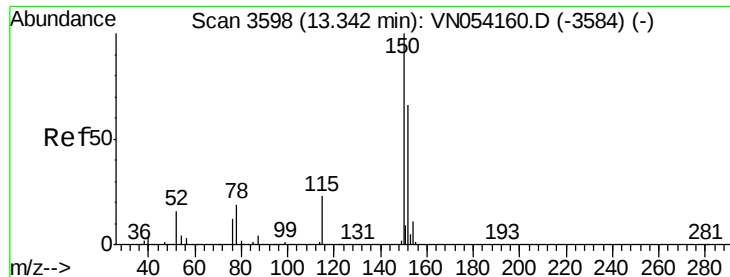


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN054342.D

Acq: 16 Mar 2019 17:40

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-16-10.5-031419

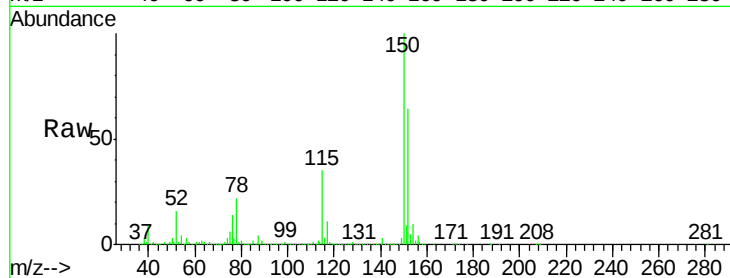
Tot Ion:152 Resp: 912987

Ion Ratio Lower Upper

152 100

115 56.0 27.2 81.6

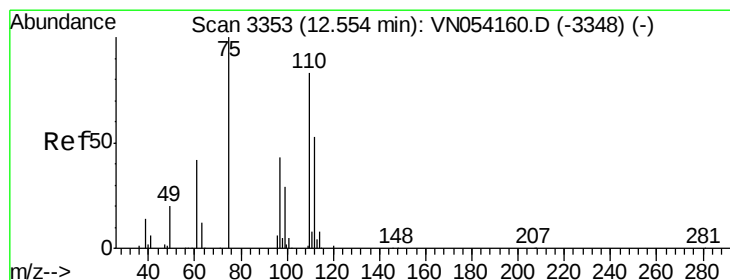
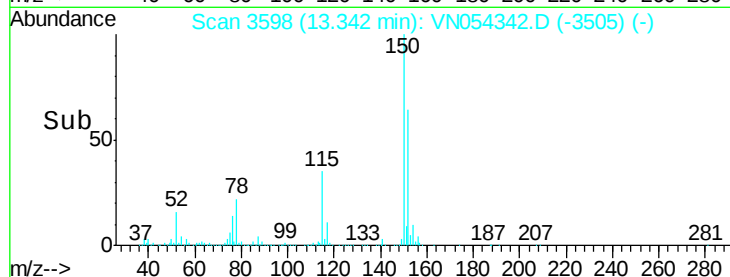
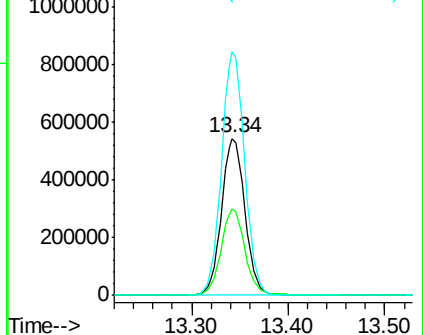
150 152.7 0.0 349.2



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: 34.259 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054342.D

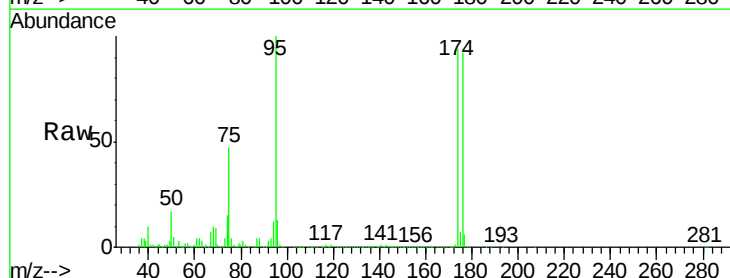
Acq: 16 Mar 2019 17:40

Tgt Ion: 75 Resp: 459963

Ion Ratio Lower Upper

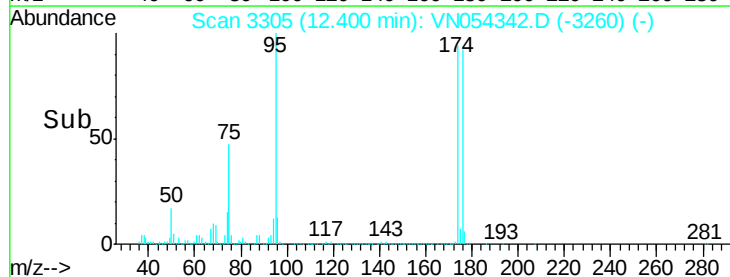
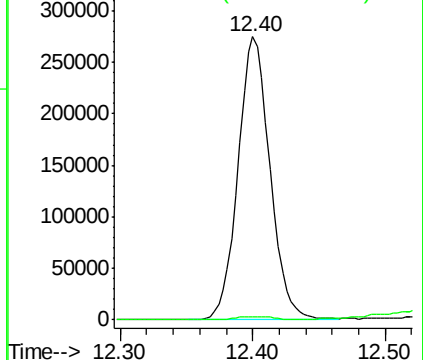
75 100

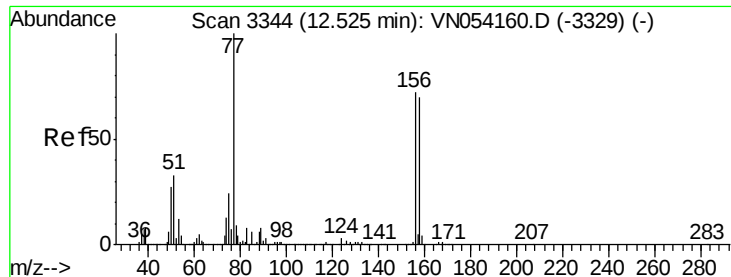
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#77

Bromobenzene

Concen: 33.185 ug/l

RT: 12.54 min Scan# 3348

Delta R.T. 0.01 min

Lab File: VN054342.D

Acq: 16 Mar 2019 17:40

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-16-10.5-031419

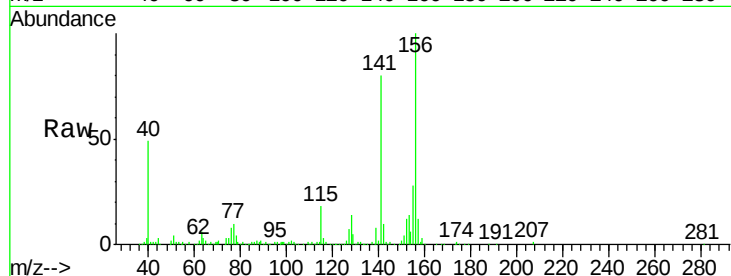
Tot Ion:156 Resp: 641417

Ion Ratio Lower Upper

156 100

77 4.6 81.5 244.4#

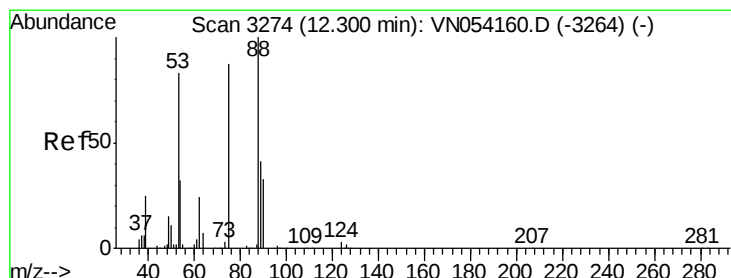
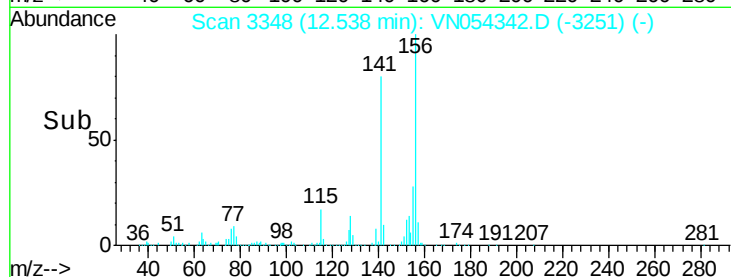
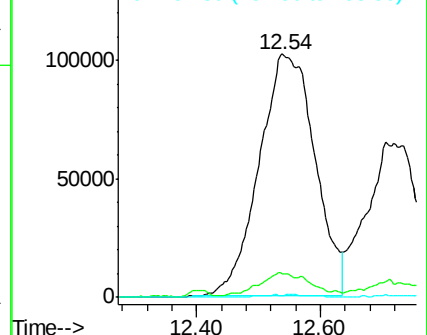
158 0.1 49.0 147.2#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 117.114 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054342.D

Acq: 16 Mar 2019 17:40

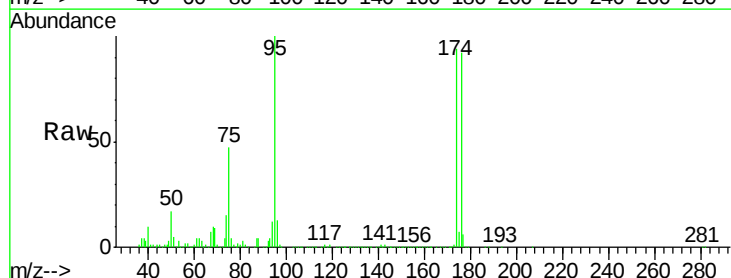
Tgt Ion: 75 Resp: 459963

Ion Ratio Lower Upper

75 100

53 10.4 76.2 114.2#

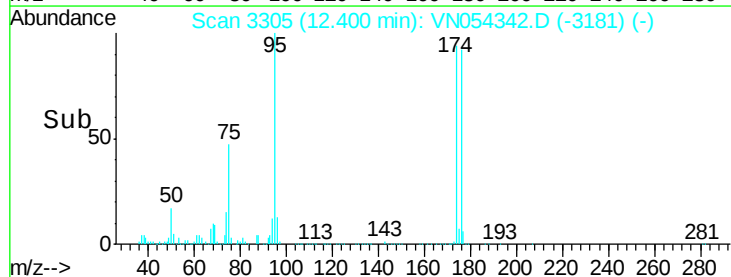
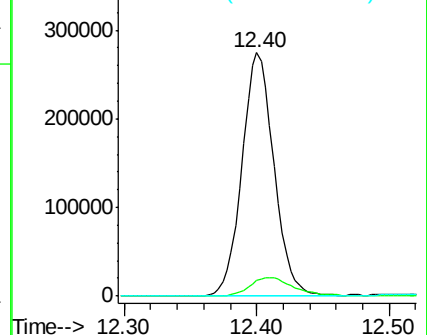
89 0.0 39.2 58.8#

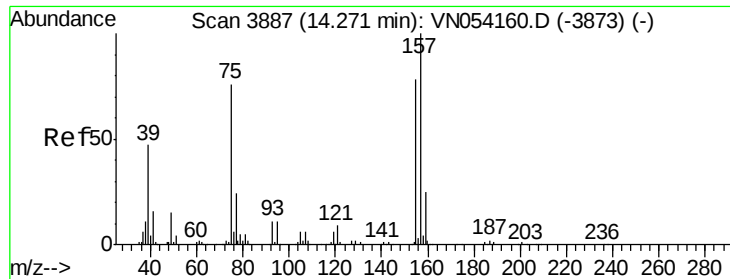


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.209 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.01 min

Lab File: VN054342.D

Acq: 16 Mar 2019 17:40

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-16-10.5-031419

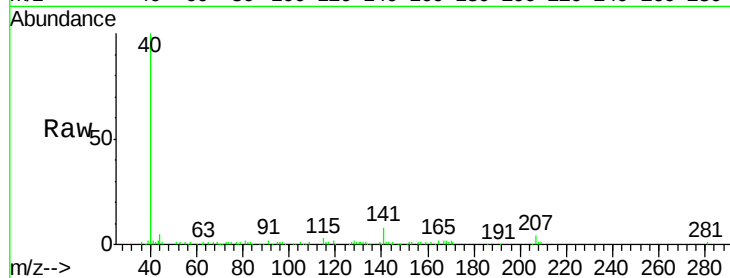
Tot Ion: 75 Resp: 504

Ion Ratio Lower Upper

75 100

155 0.0 50.1 150.3#

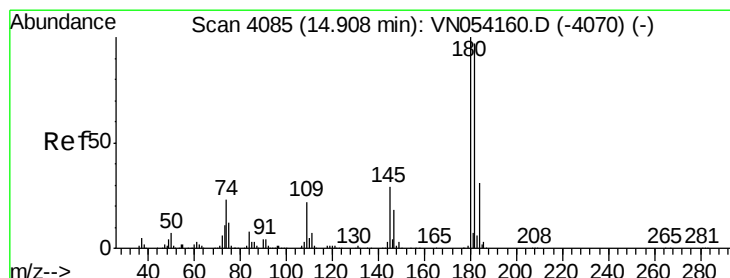
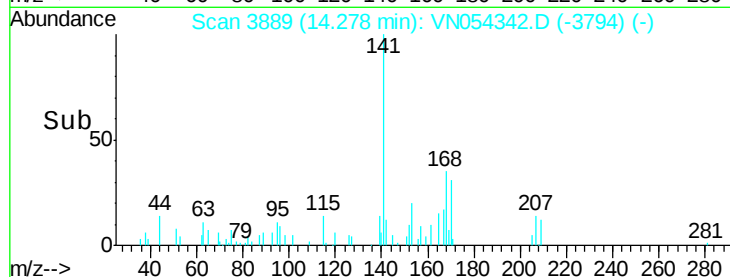
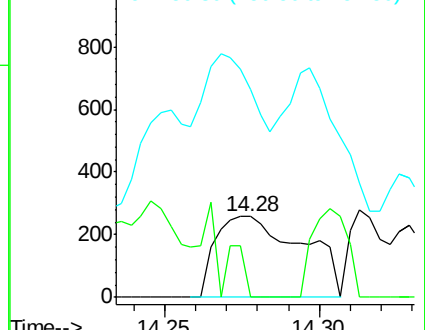
157 121.6 63.1 189.3



Abundance Ion 74.90 (74.60 to 75.60): VN054160.D (-3873) (-)

Ion 154.80 (154.50 to 155.50): VN054160.D (-3873) (-)

Ion 156.80 (156.50 to 157.50): VN054160.D (-3873) (-)



#93

1,2,4-Trichlorobenzene

Concen: 2.584 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN054342.D

Acq: 16 Mar 2019 17:40

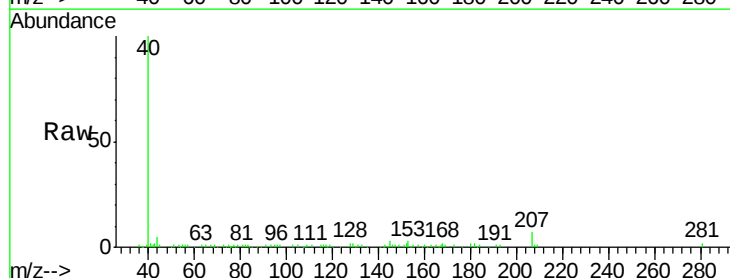
Tgt Ion:180 Resp: 1374

Ion Ratio Lower Upper

180 100

182 146.2 48.0 144.2#

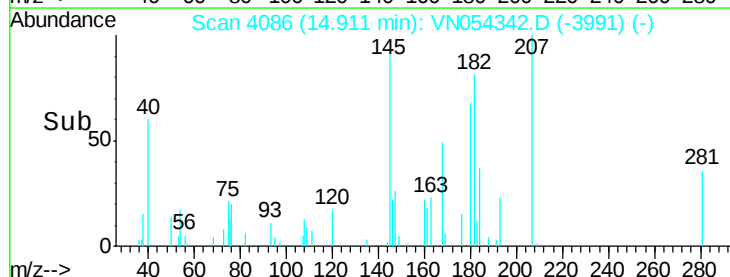
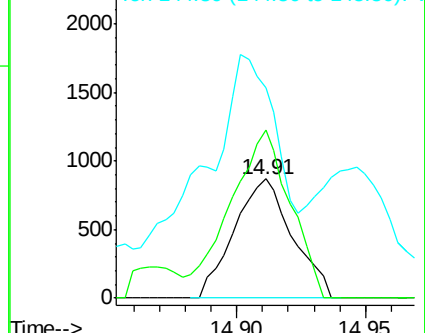
145 194.0 14.2 42.8#

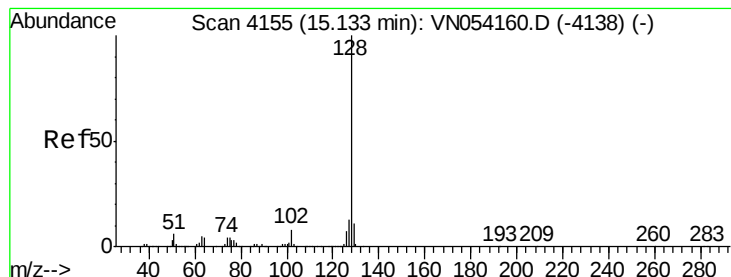


Abundance Ion 179.80 (179.50 to 180.50): VN054160.D (-4070) (-)

Ion 181.80 (181.50 to 182.50): VN054160.D (-4070) (-)

Ion 144.80 (144.50 to 145.50): VN054160.D (-4070) (-)





#95

Naphthalene

Concen: 4.776 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054342.D

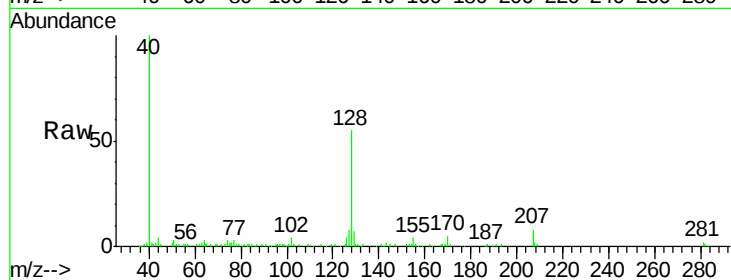
Acq: 16 Mar 2019 17:40

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-16-10.5-031419



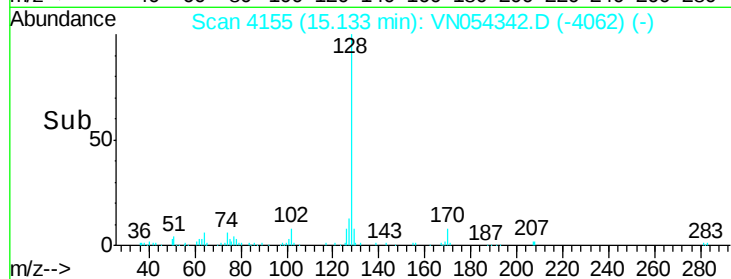
Tot Ion:128 Resp: 56190

Ion Ratio Lower Upper

128 100

127 14.9 10.1 15.1

129 11.3 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

