

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031419\
 Data File : VN054259.D
 Acq On : 14 Mar 2019 14:01
 Operator : JC/SP
 Sample : K1899-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: Mar 15 06:52:25 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	1305655	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2140251	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2241019	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	976143	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	696234	50.21	ug/l	0.00
Spiked Amount			Recovery	=	100.42%	
35) Dibromofluoromethane	7.59	113	666638	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	
50) Toluene-d8	10.09	98	2684603	52.66	ug/l	0.00
Spiked Amount			Recovery	=	105.32%	
62) 4-Bromofluorobenzene	12.40	95	1014702	56.89	ug/l	0.00
Spiked Amount			Recovery	=	113.78%	

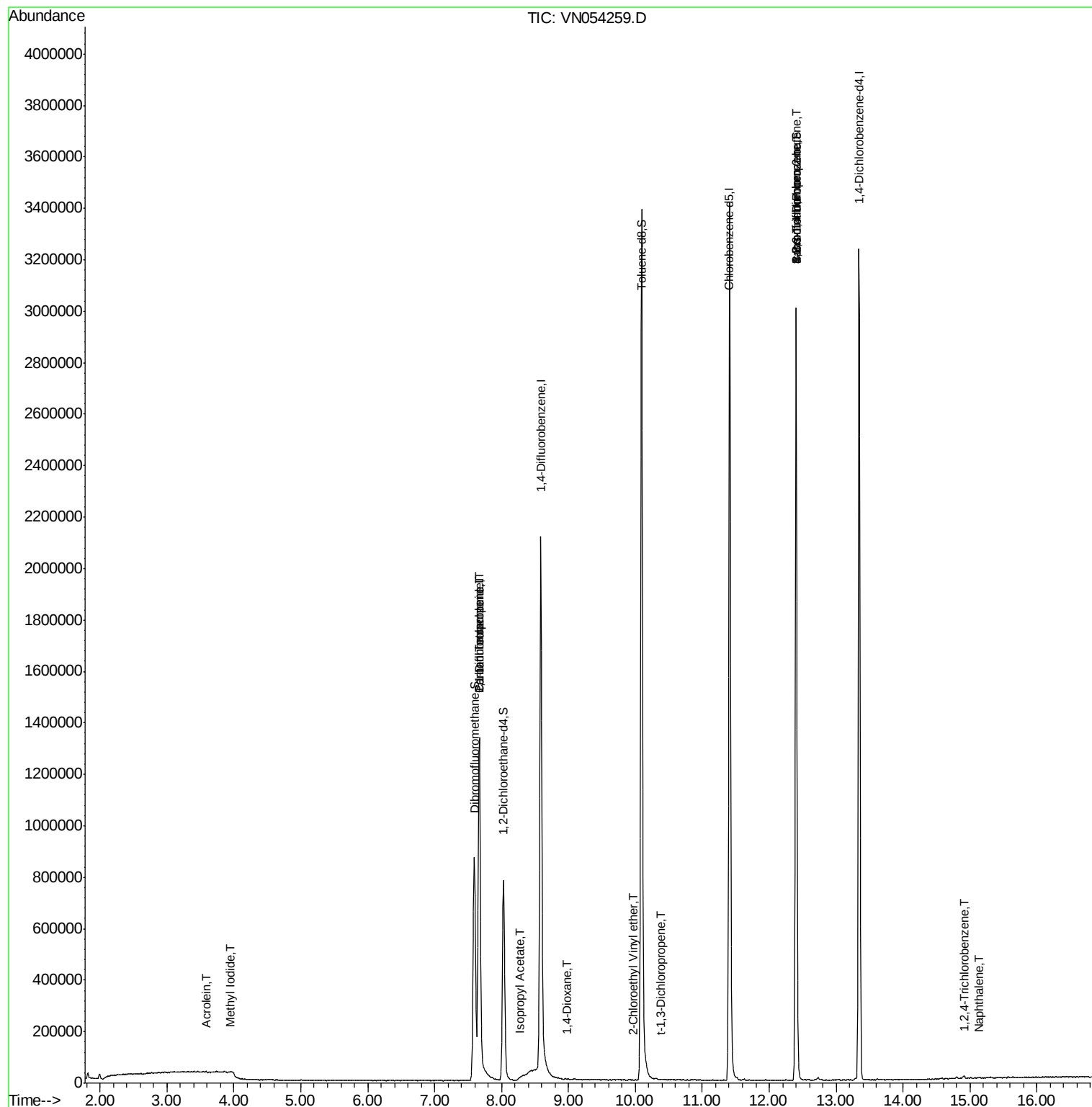
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.94	142	344	1.514	ug/l #	45
13) Acrolein	3.60	56	349	0.387	ug/l #	76
31) Cyclohexane	7.66	56	20259	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	76188	3.865	ug/l #	48
38) Carbon Tetrachloride	7.67	117	107629	5.207	ug/l #	16
43) Isopropyl Acetate	8.26	43	5253	0.264	ug/l #	60
49) 1,4-Dioxane	8.98	88	29	0.203	ug/l #	27
53) t-1,3-Dichloropropene	10.37	75	133	1.992	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.97	63	75	16.838	ug/l #	44
71) Bromoform	12.40	173	6616	2.813	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	494740	34.466	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	494740	117.819	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	1795	2.599	ug/l	96
95) Naphthalene	15.14	128	3715	3.550	ug/l #	87

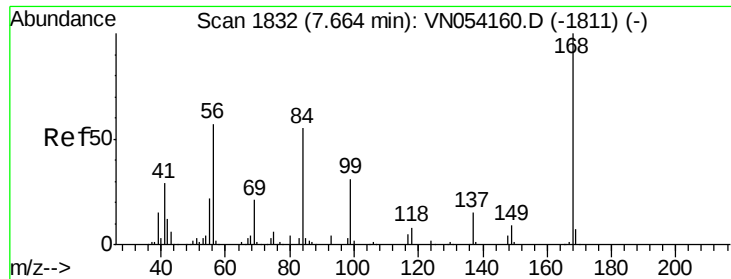
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031419\
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Quant Time: Mar 15 06:52:25 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: VN054259.D

Acq: 14 Mar 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

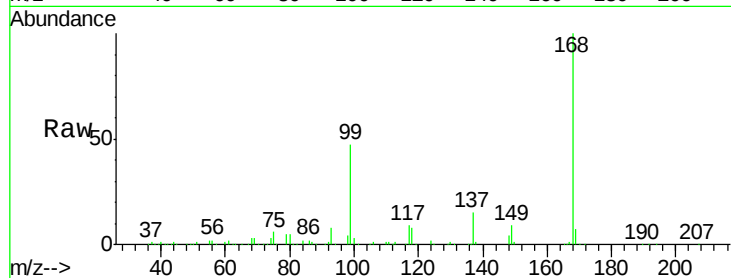
TRIP-BLANK

Tot Ion:168 Resp: 1305655

Ion Ratio Lower Upper

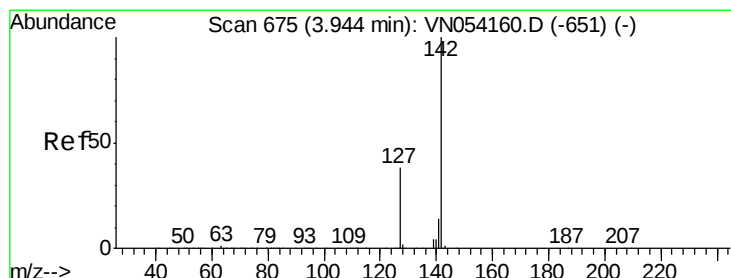
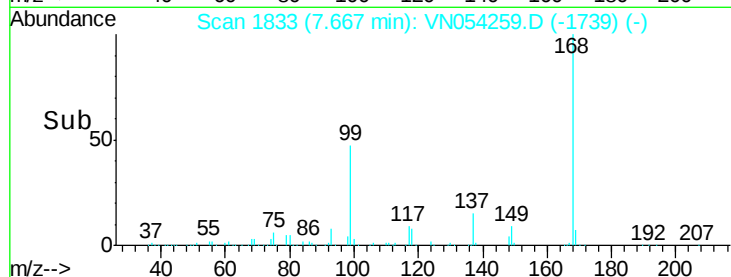
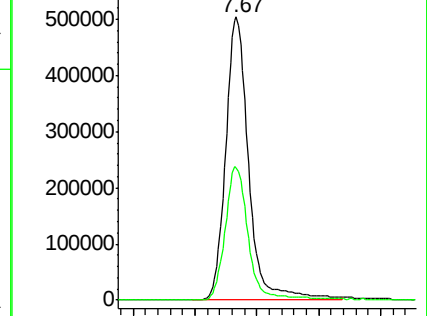
168 100

99 47.0 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: 1.514 ug/l

RT: 3.94 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN054259.D

Acq: 14 Mar 2019 14:01

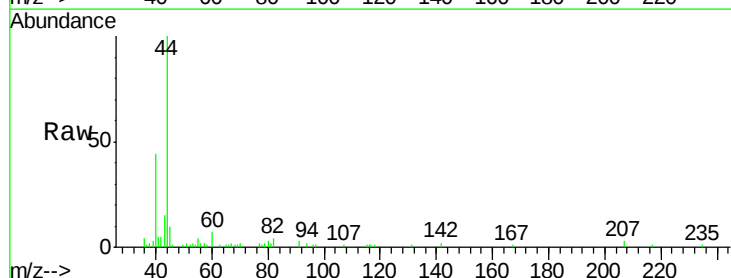
Tgt Ion:142 Resp: 344

Ion Ratio Lower Upper

142 100

127 0.0 30.3 45.5#

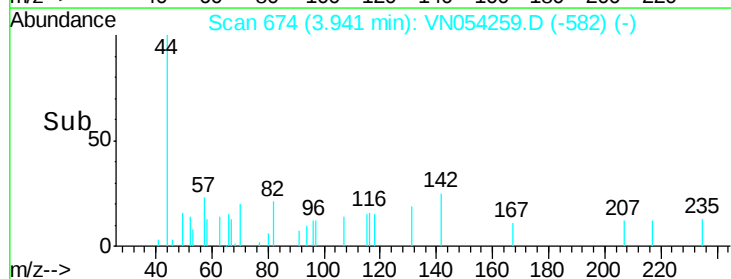
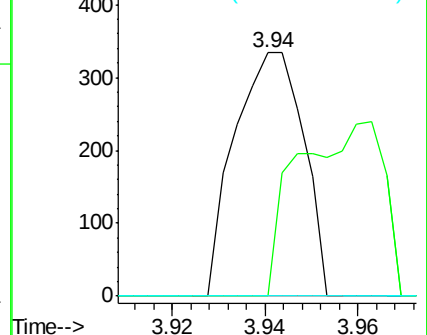
141 0.0 11.2 16.8#

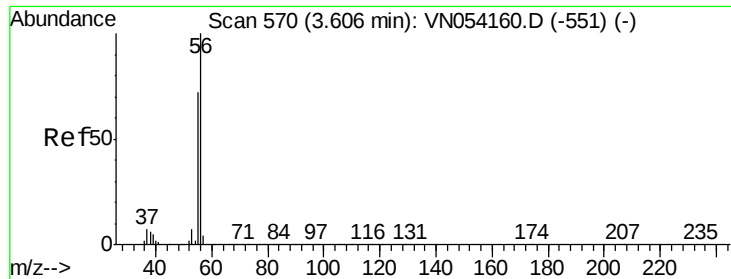


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

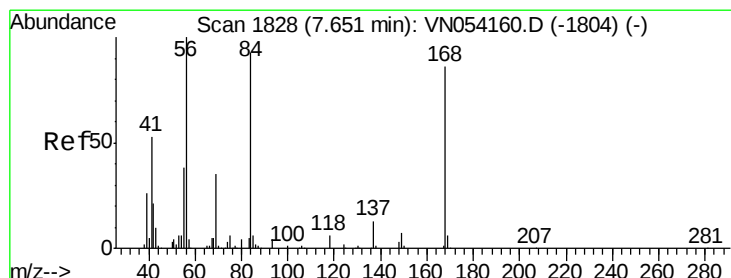
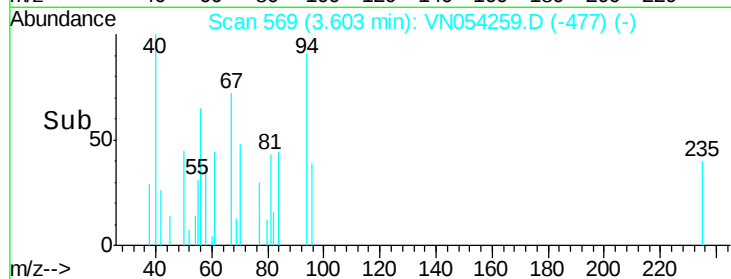
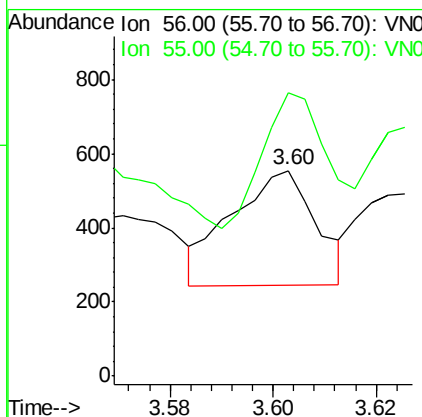
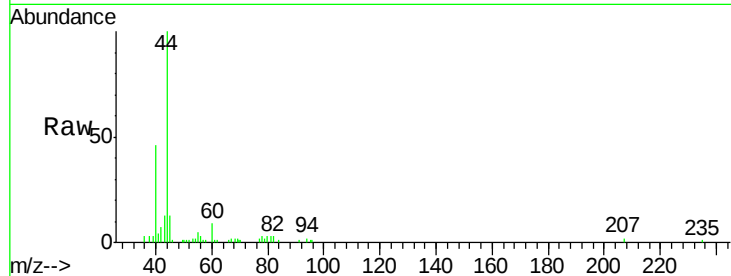




#13
Acrolein
Concen: 0.387 ug/l
RT: 3.60 min Scan# 569
Delta R.T. -0.00 min
Lab File: VN054259.D
Acq: 14 Mar 2019 14:01

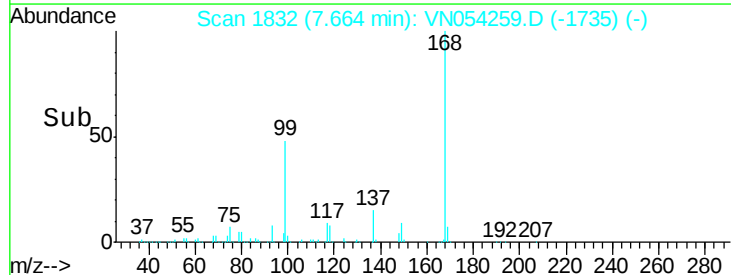
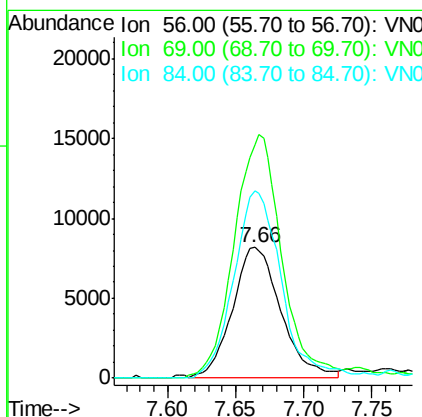
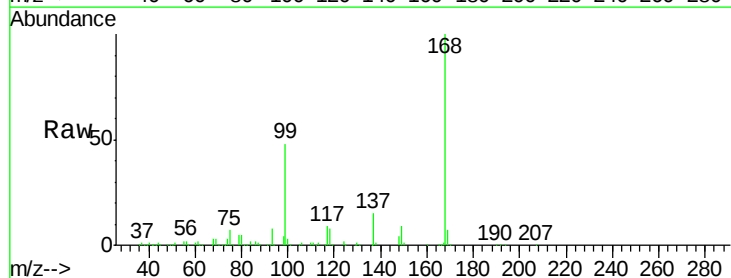
Instrument :
MSVOA_N
ClientSampled :
TRIP-BLANK

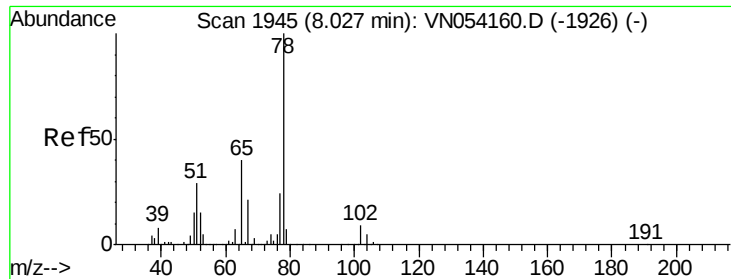
Tot Ion: 56 Resp: 349
Ion Ratio Lower Upper
56 100
55 91.1 56.7 85.1#



#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN054259.D
Acq: 14 Mar 2019 14:01

Tgt Ion: 56 Resp: 20259
Ion Ratio Lower Upper
56 100
69 175.9 27.8 41.6#
84 142.8 74.6 111.8#

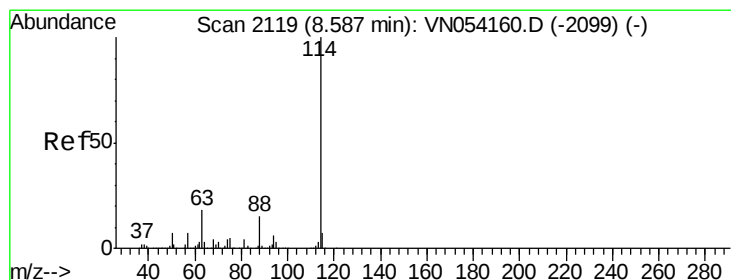
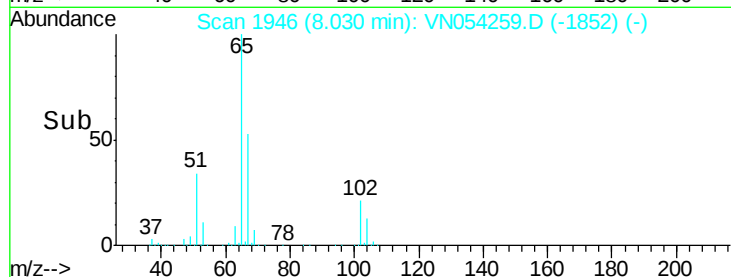
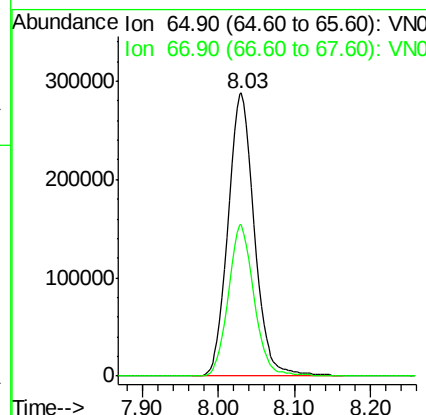
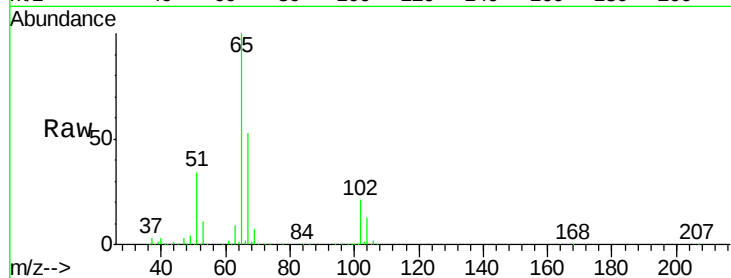




#33
 1,2-Dichloroethane-d4
 Concen: 50.211 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN054259.D
 Acq: 14 Mar 2019 14:01

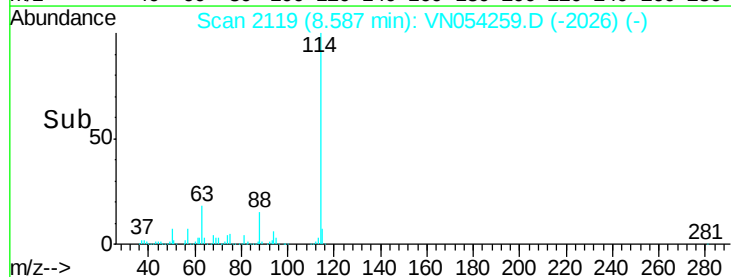
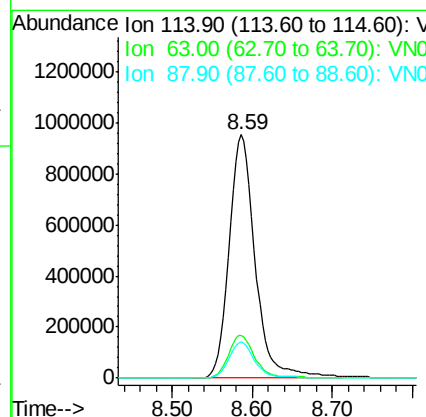
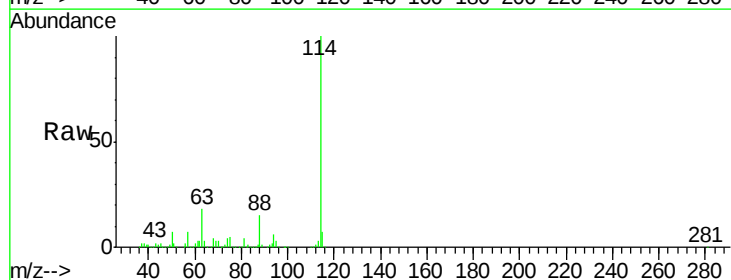
Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

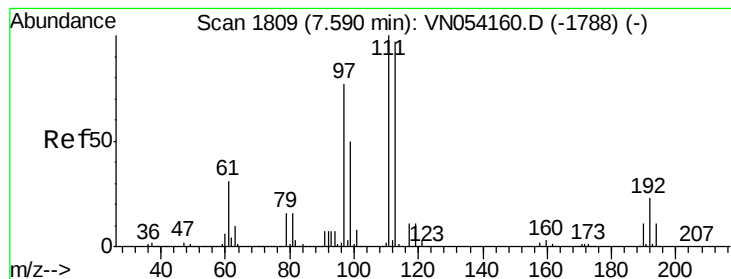
Tot Ion: 65 Resp: 696234
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054259.D
 Acq: 14 Mar 2019 14:01

Tgt Ion: 114 Resp: 2140251
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 35.2
 88 14.8 0.0 30.2





#35

Dibromofluoromethane

Concen: 48.294 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054259.D

Acq: 14 Mar 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

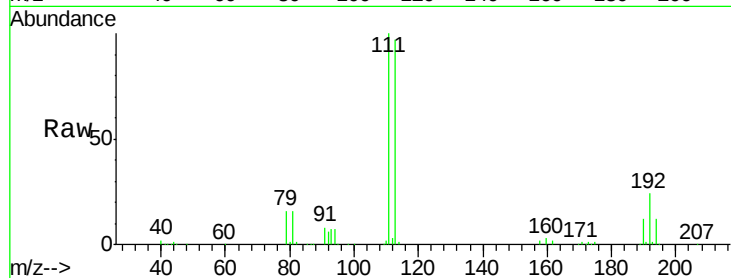
Tot Ion:113 Resp: 666638

Ion Ratio Lower Upper

113 100

111 103.4 82.2 123.4

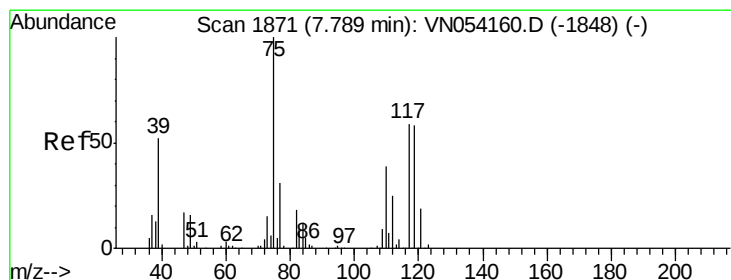
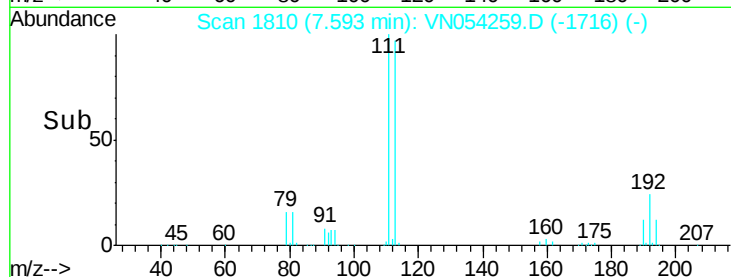
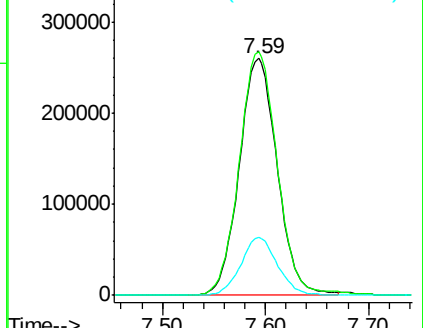
192 23.7 19.2 28.8



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



#36

1,1-Dichloropropene

Concen: 3.865 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN054259.D

Acq: 14 Mar 2019 14:01

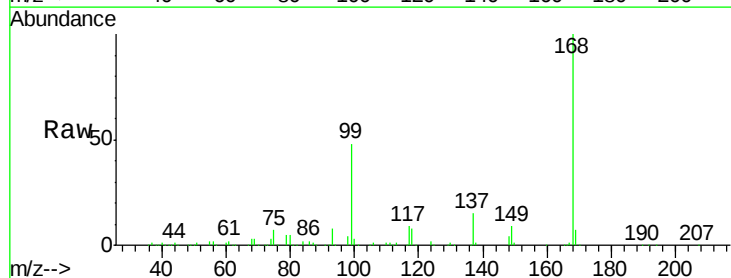
Tgt Ion: 75 Resp: 76188

Ion Ratio Lower Upper

75 100

110 9.1 19.1 57.5#

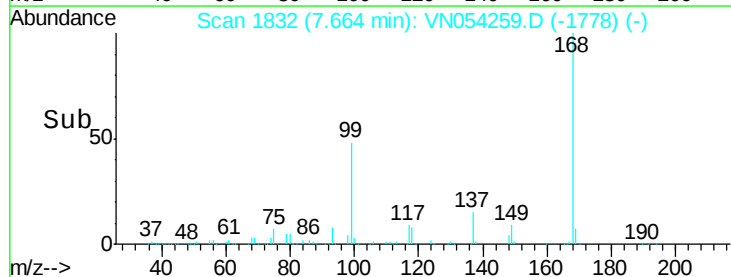
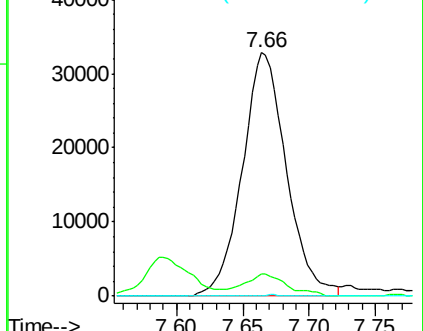
77 0.1 25.0 37.4#

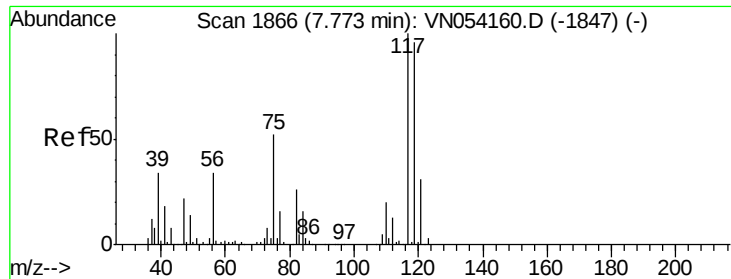


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VNO





#38

Carbon Tetrachloride

Concen: 5.207 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN054259.D

Acq: 14 Mar 2019 14:01

Instrument :

MSVOA_N

ClientSampled :

TRIP-BLANK

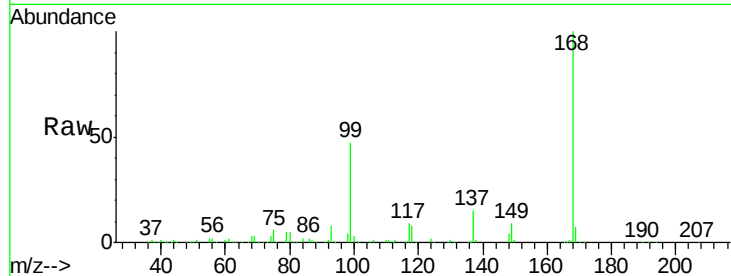
Tot Ion:117 Resp: 107629

Ion Ratio Lower Upper

117 100

119 4.5 76.3 114.5#

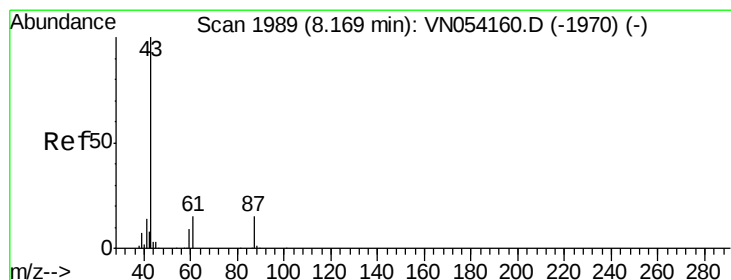
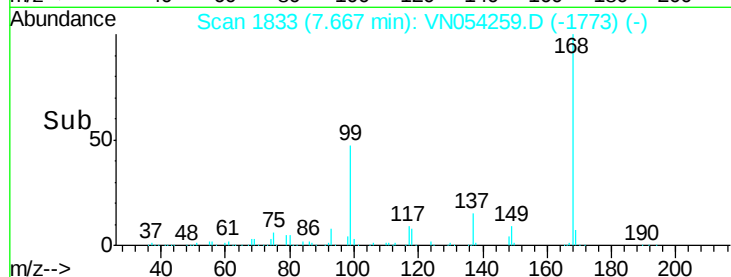
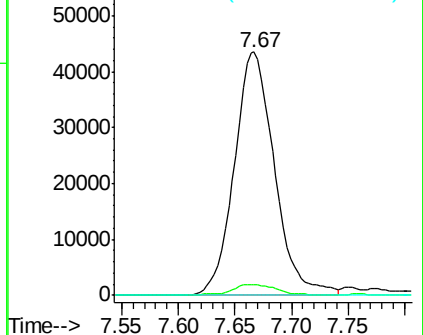
121 0.0 24.6 36.8#



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: 0.264 ug/l

RT: 8.26 min Scan# 2017

Delta R.T. 0.09 min

Lab File: VN054259.D

Acq: 14 Mar 2019 14:01

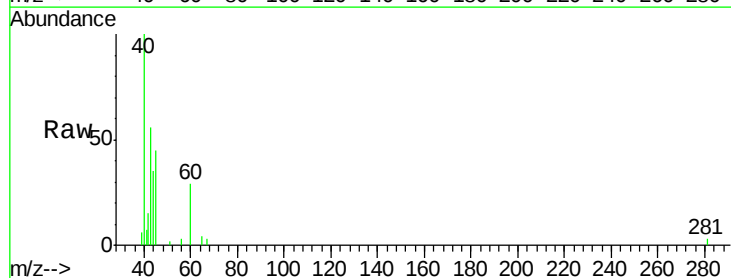
Tgt Ion: 43 Resp: 5253

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.8#

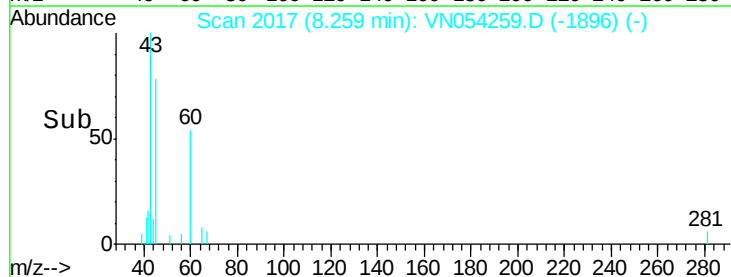
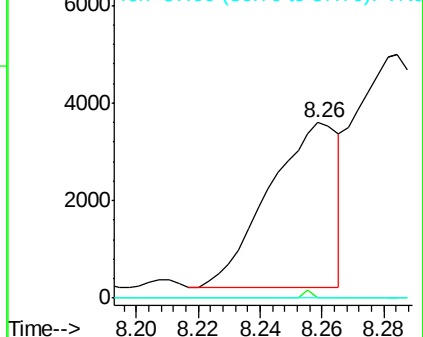
87 0.0 12.0 18.0#

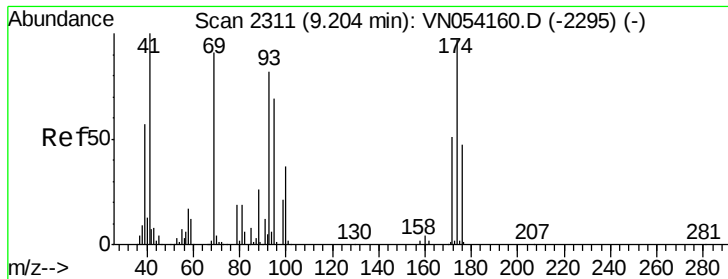


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#49

1,4-Dioxane

Concen: 0.203 ug/l

RT: 8.98 min Scan# 2242

Delta R.T. -0.22 min

Lab File: VN054259.D

Acq: 14 Mar 2019 14:01

Instrument :

MSVOA_N

ClientSampled :

TRIP-BLANK

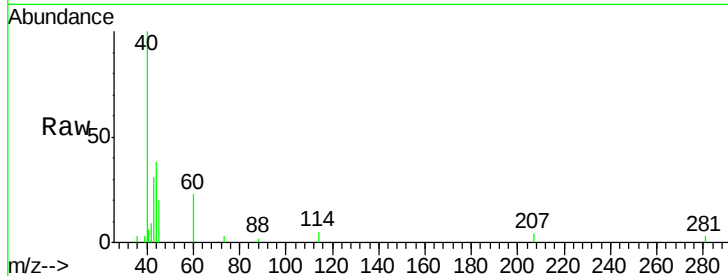
Tot Ion: 88 Resp: 29

Ion Ratio Lower Upper

88 100

43 0.0 24.1 36.1#

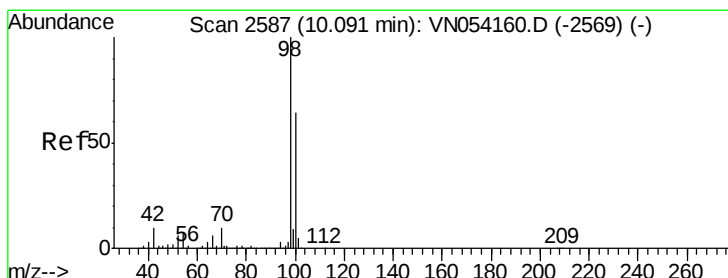
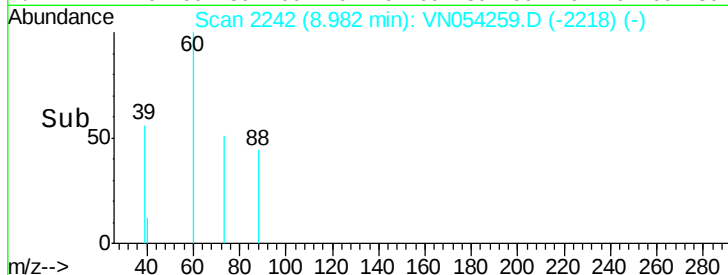
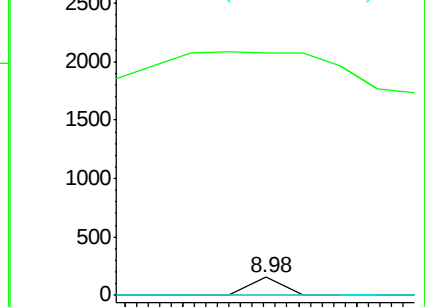
58 0.0 50.8 76.2#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 52.661 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054259.D

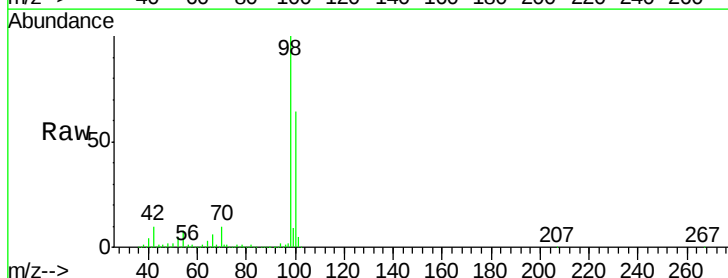
Acq: 14 Mar 2019 14:01

Tgt Ion: 98 Resp: 2684603

Ion Ratio Lower Upper

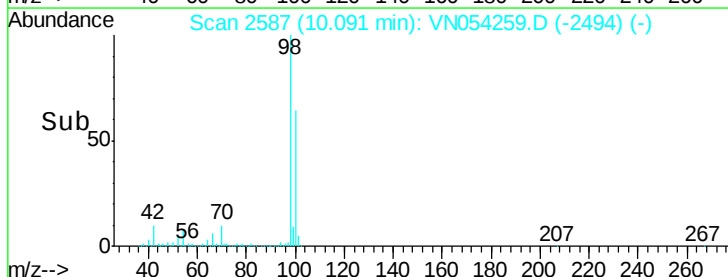
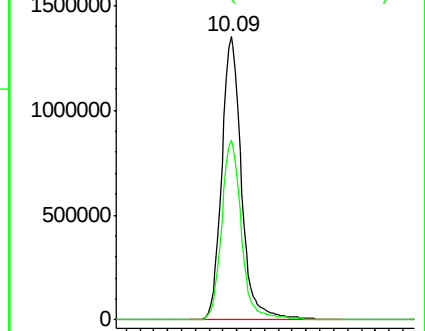
98 100

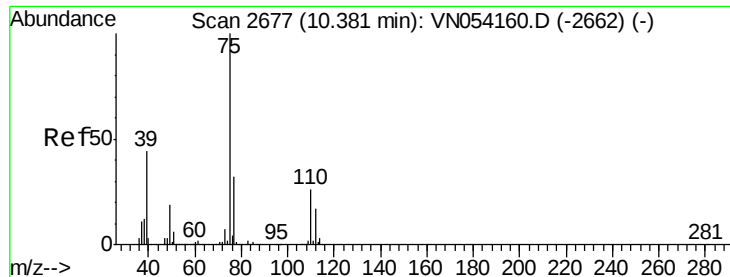
100 63.8 51.2 76.8



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: 1.992 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.01 min

Lab File: VN054259.D

Acq: 14 Mar 2019 14:01

Instrument :

MSVOA_N

ClientSampled :

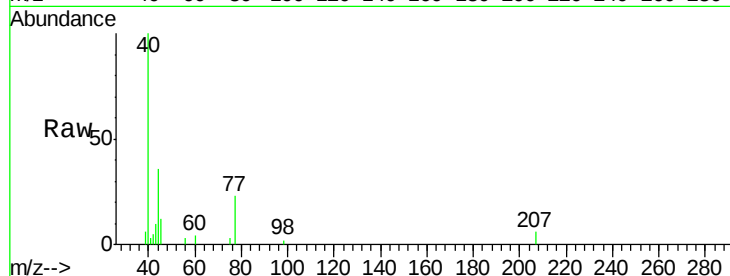
TRIP-BLANK

Tot Ion: 75 Resp: 133

Ion Ratio Lower Upper

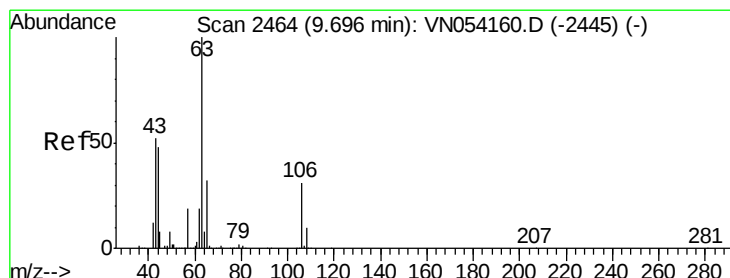
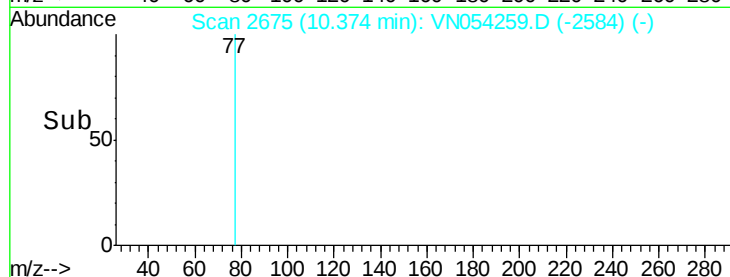
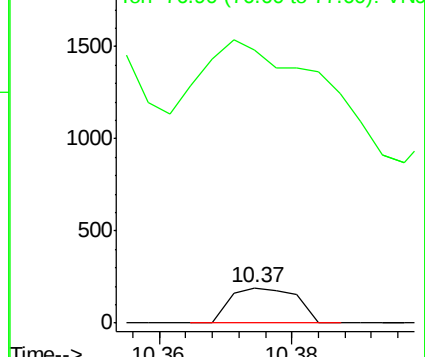
75 100

77 125.1 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: 16.838 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.28 min

Lab File: VN054259.D

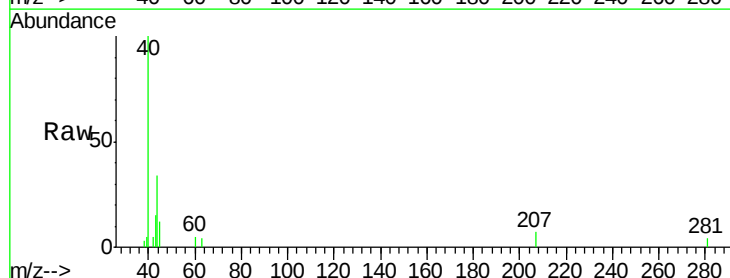
Acq: 14 Mar 2019 14:01

Tgt Ion: 63 Resp: 75

Ion Ratio Lower Upper

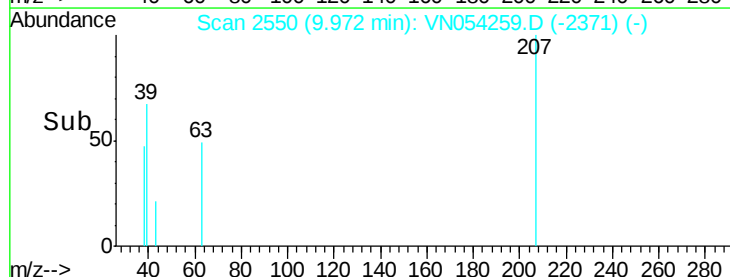
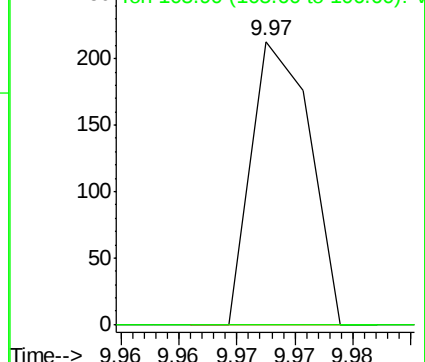
63 100

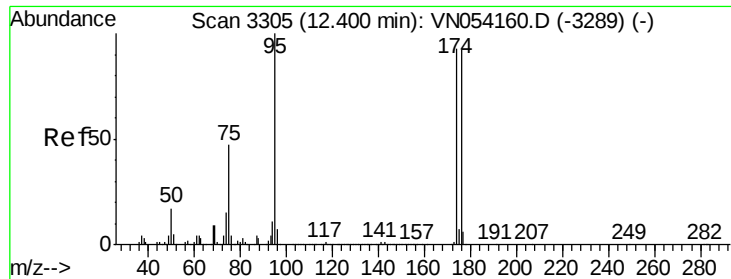
106 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#62

4-Bromofluorobenzene

Concen: 56.885 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054259.D

Acq: 14 Mar 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

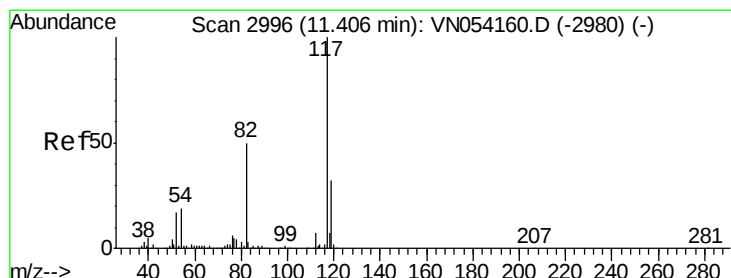
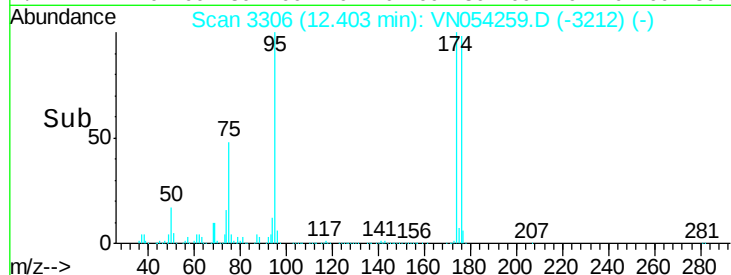
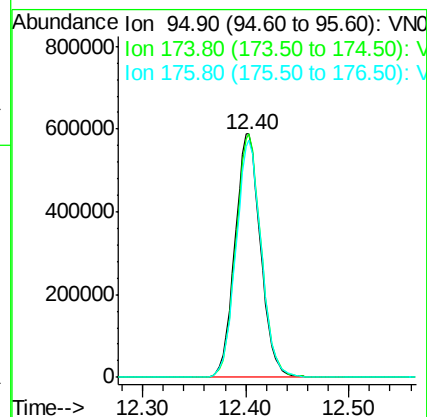
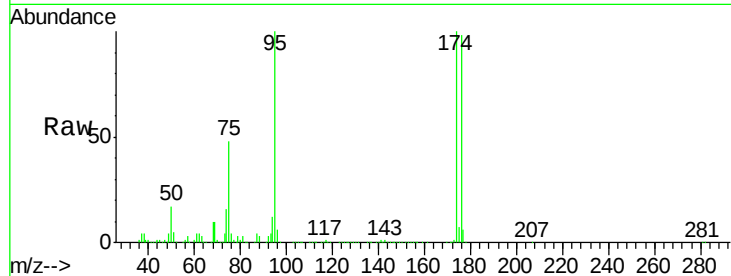
Tot Ion: 95 Resp: 1014702

Ion Ratio Lower Upper

95 100

174 99.0 0.0 191.0

176 96.2 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: VN054259.D

Acq: 14 Mar 2019 14:01

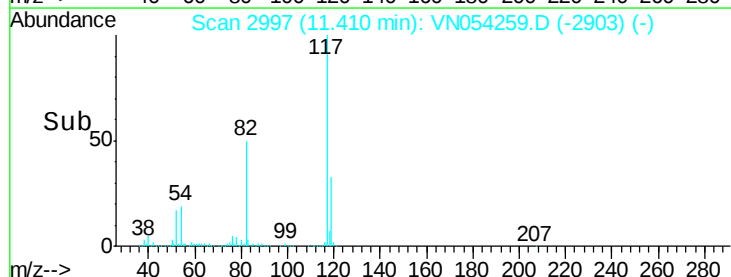
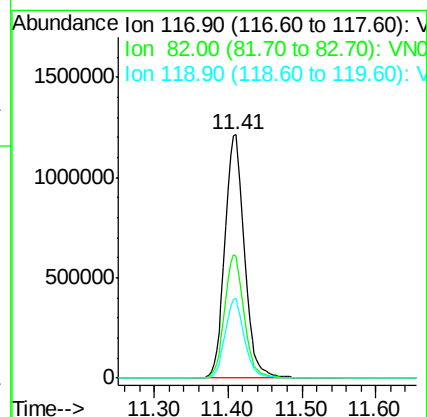
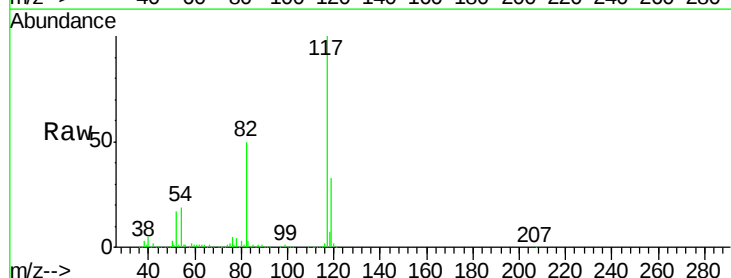
Tgt Ion: 117 Resp: 2241019

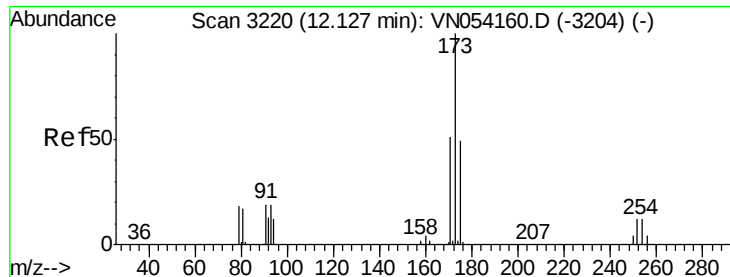
Ion Ratio Lower Upper

117 100

82 50.2 40.0 60.0

119 32.6 25.8 38.6





#71

Bromoform

Concen: 2.813 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN054259.D

Acq: 14 Mar 2019 14:01

Instrument :

MSVOA_N

ClientSampled :

TRIP-BLANK

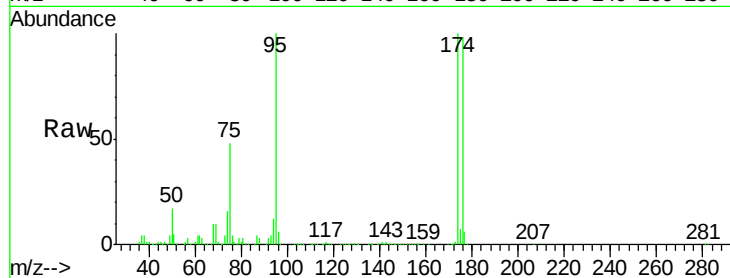
Tot Ion:173 Resp: 6616

Ion Ratio Lower Upper

173 100

175 915.1 24.4 73.2#

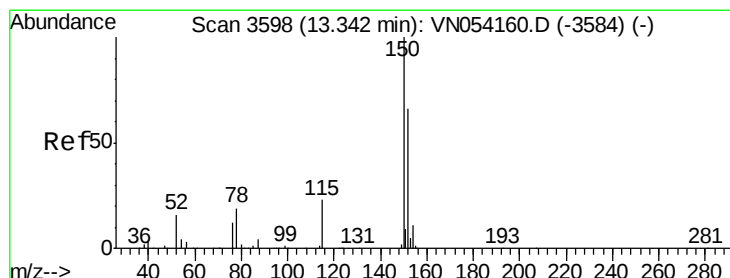
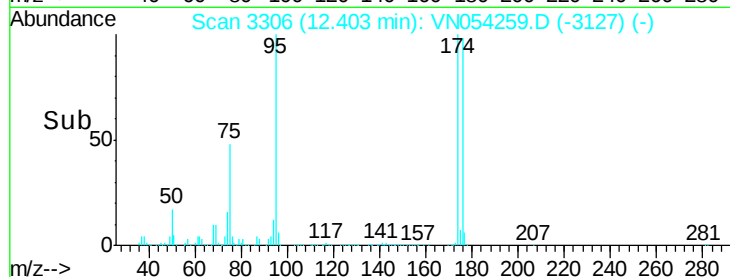
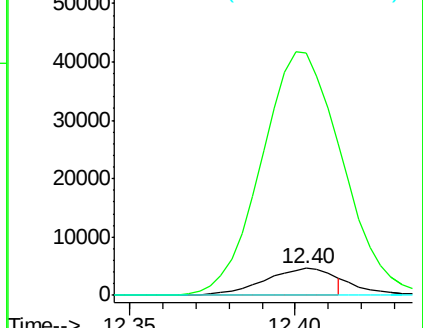
254 0.0 0.1 0.1#



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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054259.D

Acq: 14 Mar 2019 14:01

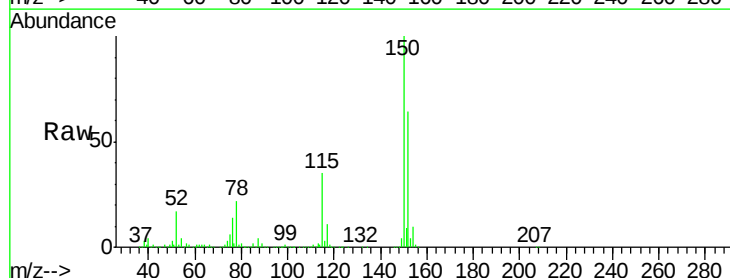
Tgt Ion:152 Resp: 976143

Ion Ratio Lower Upper

152 100

115 54.9 27.2 81.6

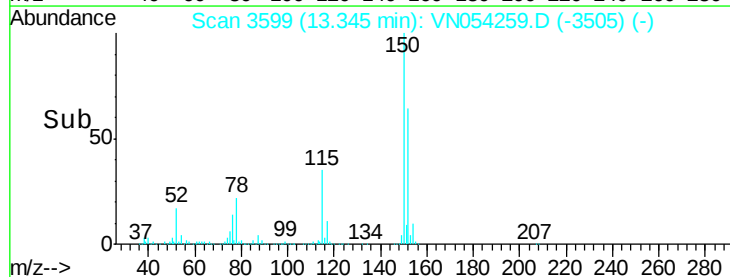
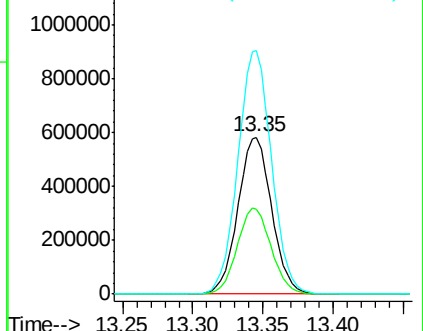
150 155.6 0.0 349.2

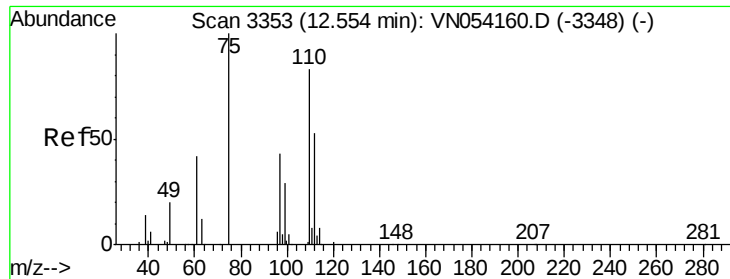


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 34.466 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054259.D

Acq: 14 Mar 2019 14:01

Instrument :

MSVOA_N

ClientSampled :

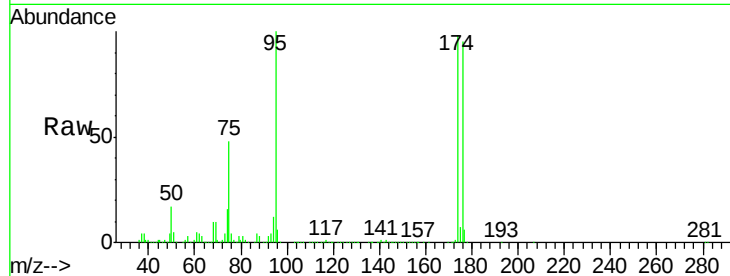
TRIP-BLANK

Tot Ion: 75 Resp: 494740

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

12.40

250000

200000

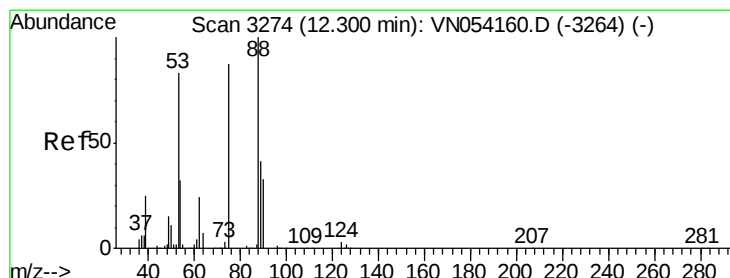
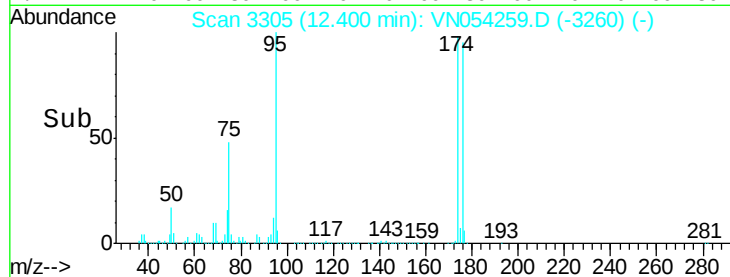
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 117.819 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054259.D

Acq: 14 Mar 2019 14:01

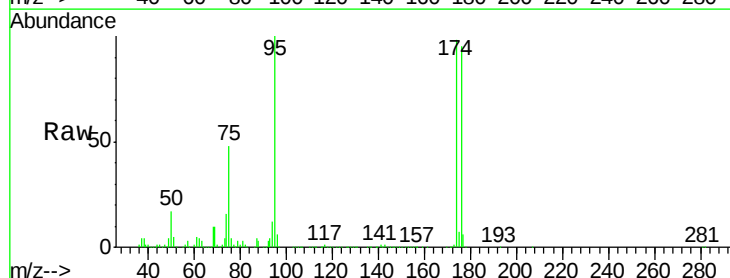
Tgt Ion: 75 Resp: 494740

Ion Ratio Lower Upper

75 100

53 0.0 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

12.40

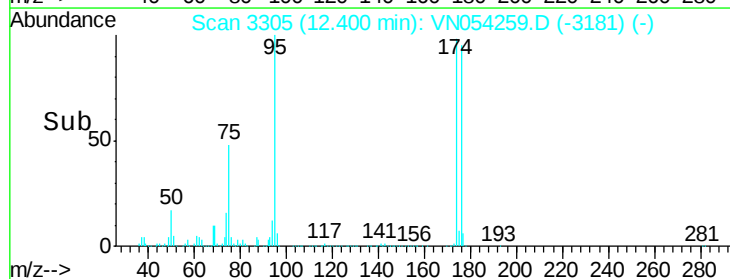
250000

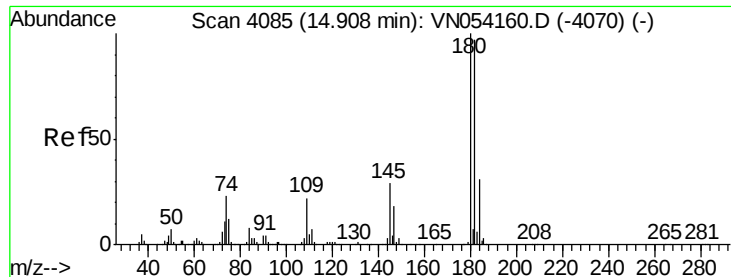
200000

100000

0

Time--> 12.30 12.40 12.50

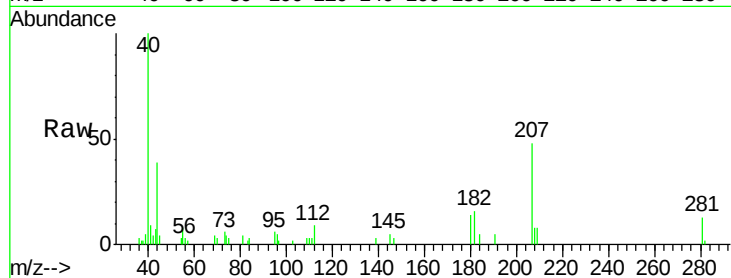




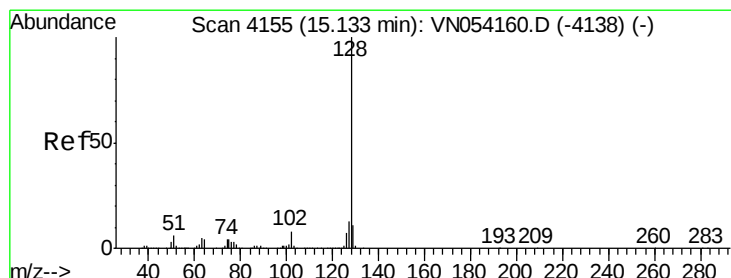
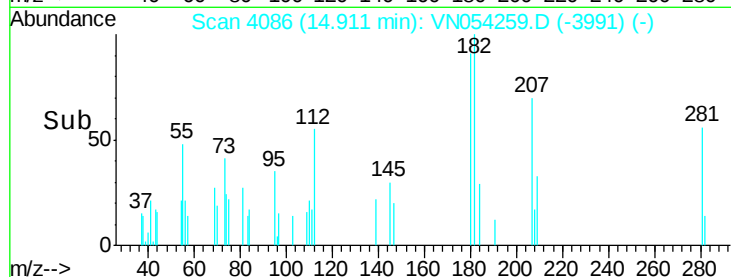
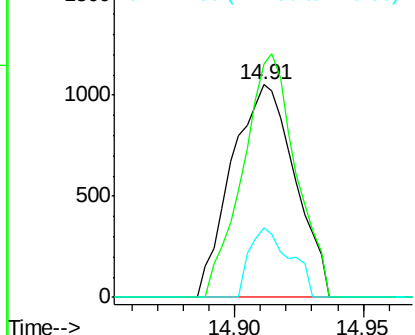
#93
 1,2,4-Trichlorobenzene
 Concen: 2.599 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN054259.D
 Acq: 14 Mar 2019 14:01

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Tot Ion:180 Resp: 1795
 Ion Ratio Lower Upper
 180 100
 182 95.7 48.0 144.2
 145 20.8 14.2 42.8

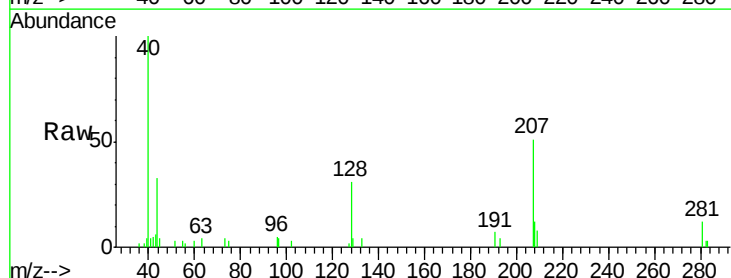


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 3.550 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN054259.D
 Acq: 14 Mar 2019 14:01

Tgt Ion:128 Resp: 3715
 Ion Ratio Lower Upper
 128 100
 127 6.7 10.1 15.1#
 129 6.5 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

