

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031519\
 Data File : VN054309.D
 Acq On : 15 Mar 2019 15:03
 Operator : JC/SP
 Sample : K1932-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: Mar 16 03:19:45 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	1330607	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2226102	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2334345	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	944754	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	706266	49.98	ug/l	0.00
Spiked Amount			Recovery	=	99.96%	
35) Dibromofluoromethane	7.59	113	680103	47.37	ug/l	0.00
Spiked Amount			Recovery	=	94.74%	
50) Toluene-d8	10.09	98	2759230	52.04	ug/l	0.00
Spiked Amount			Recovery	=	104.08%	
62) 4-Bromofluorobenzene	12.40	95	1043317	56.23	ug/l	0.00
Spiked Amount			Recovery	=	112.46%	

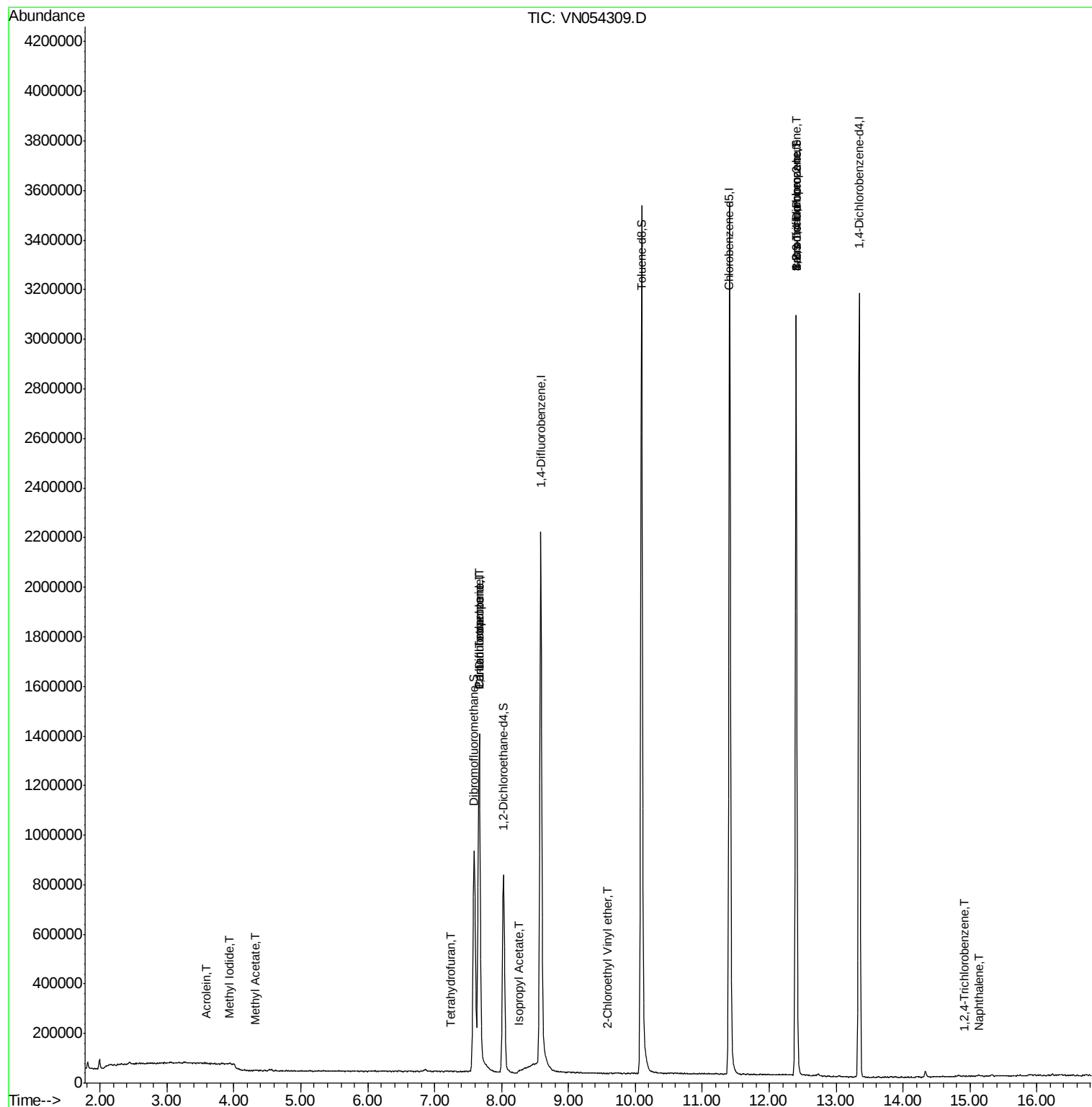
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.94	142	311	1.512	ug/l #	82
13) Acrolein	3.60	56	185	0.202	ug/l #	14
18) Methyl Acetate	4.32	43	1654	0.202	ug/l #	83
29) Tetrahydrofuran	7.22	42	696	0.228	ug/l #	30
31) Cyclohexane	7.66	56	19506	Below Cal	#	3
36) 1,1-Dichloropropene	7.66	75	78217	3.815	ug/l #	47
38) Carbon Tetrachloride	7.66	117	105888	4.925	ug/l #	16
43) Isopropyl Acetate	8.26	43	8158	0.395	ug/l #	60
58) 2-Chloroethyl Vinyl ether	9.59	63	71	16.837	ug/l #	44
71) Bromoform	12.40	173	6123	2.762	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	495924	35.696	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	495924	122.024	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	429	2.537	ug/l #	81
95) Naphthalene	15.13	128	4776	3.577	ug/l #	91

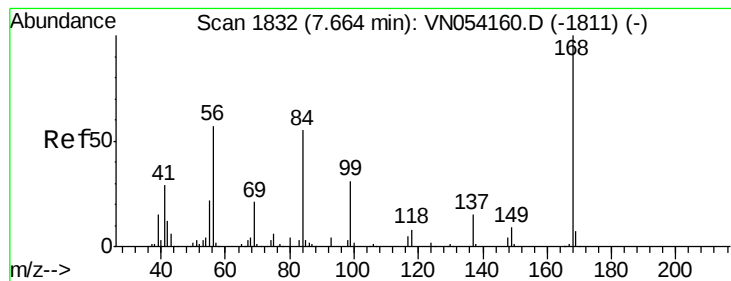
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031519\
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Acq On : 15 Mar 2019 15:03
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Quant Time: Mar 16 03:19:45 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: VN054309.D

Acq: 15 Mar 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

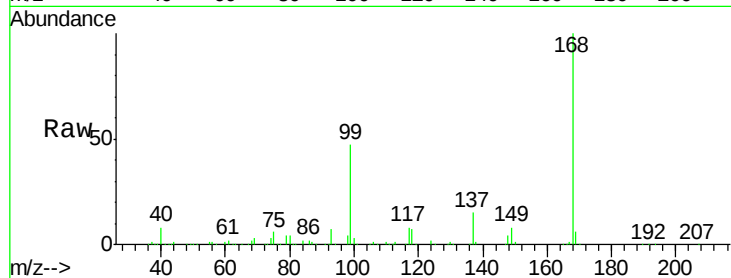
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Tot Ion:168 Resp: 1330607

Ion Ratio Lower Upper

168 100

99 46.7 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

600000

500000

400000

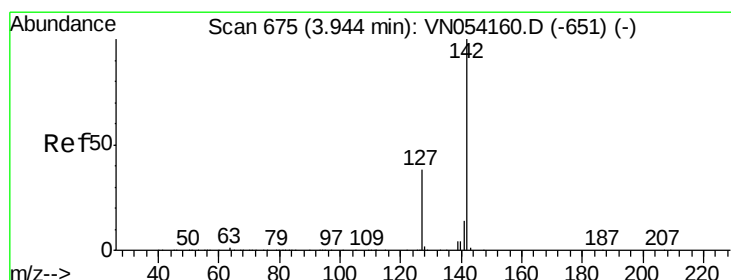
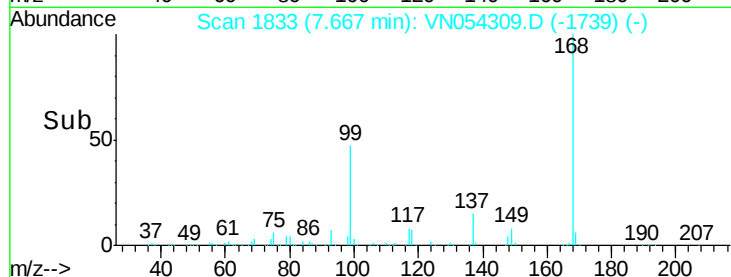
300000

200000

100000

0

Time-->



#10

Methyl Iodide

Concen: 1.512 ug/l

RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN054309.D

Acq: 15 Mar 2019 15:03

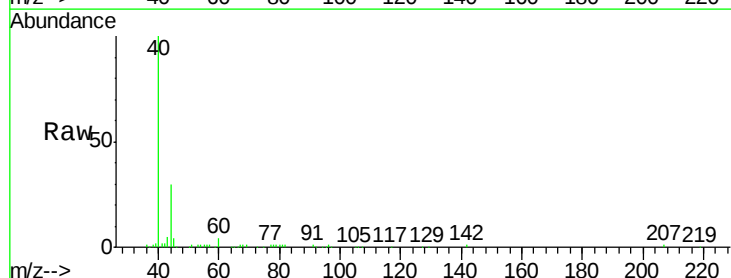
Tgt Ion:142 Resp: 311

Ion Ratio Lower Upper

142 100

127 48.6 30.3 45.5#

141 21.5 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

3.94

400

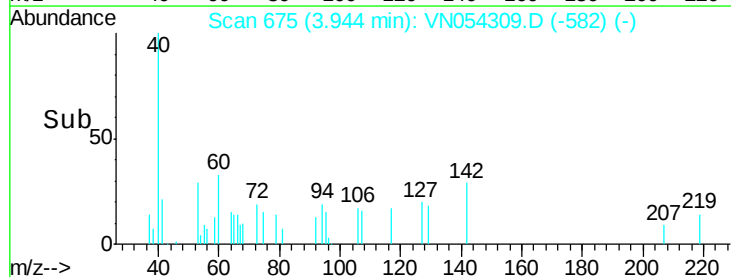
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200

100

0

Time-->





#13

Acrolein

Concen: 0.202 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.01 min

Lab File: VN054309.D

Acq: 15 Mar 2019 15:03

Instrument :

MSVOA_N

ClientSampled :

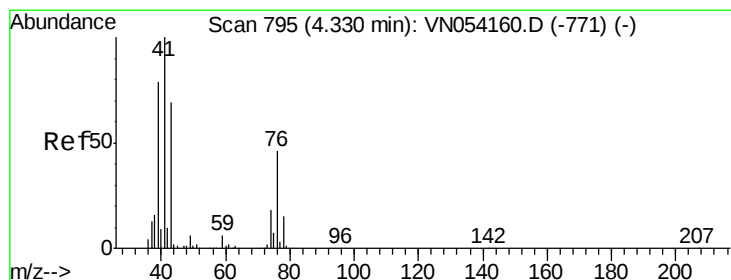
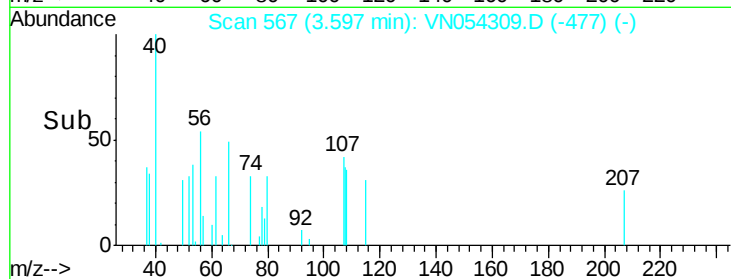
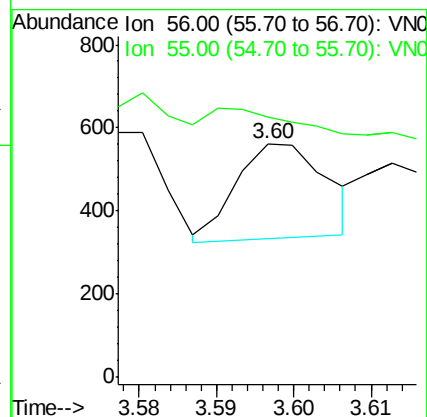
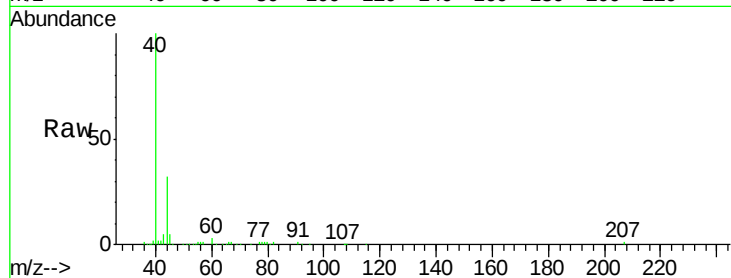
TRIP-BLANK

Tot Ion: 56 Resp: 185

Ion Ratio Lower Upper

56 100

55 0.0 56.7 85.1#



#18

Methyl Acetate

Concen: 0.202 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.01 min

Lab File: VN054309.D

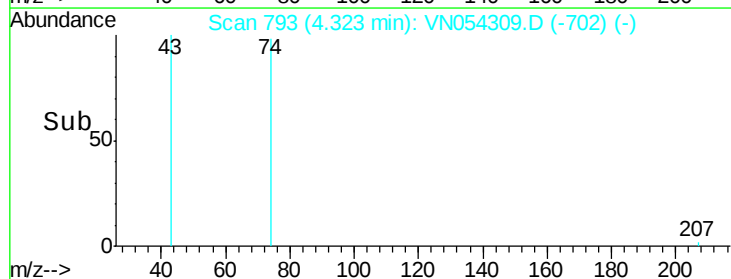
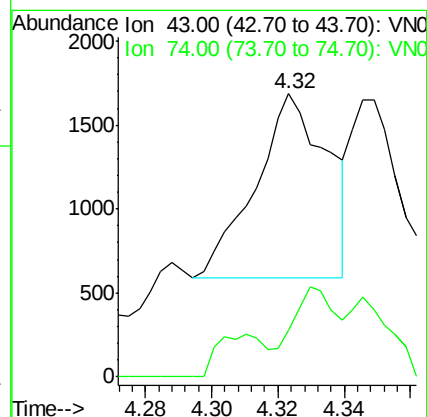
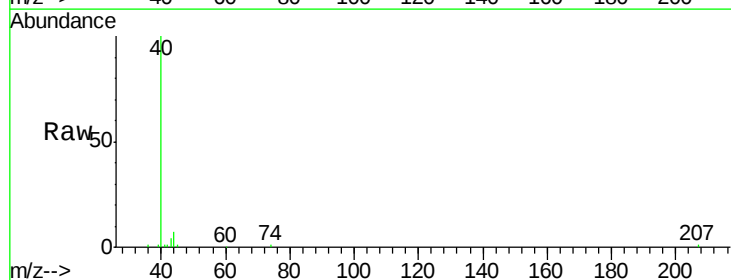
Acq: 15 Mar 2019 15:03

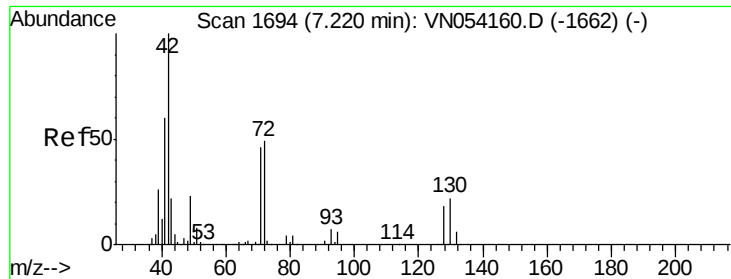
Tgt Ion: 43 Resp: 1654

Ion Ratio Lower Upper

43 100

74 17.4 20.8 31.2#

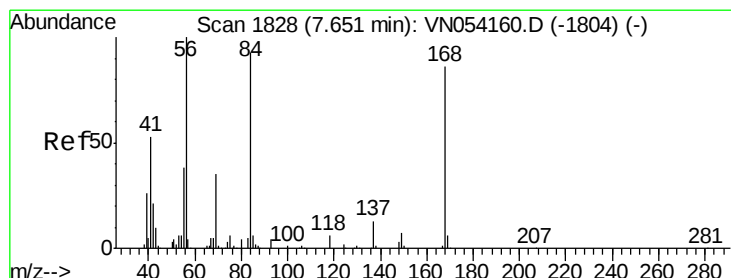
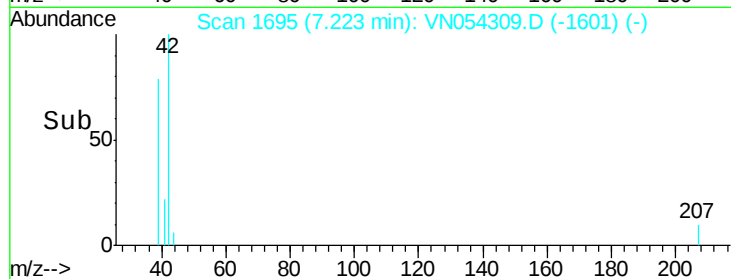
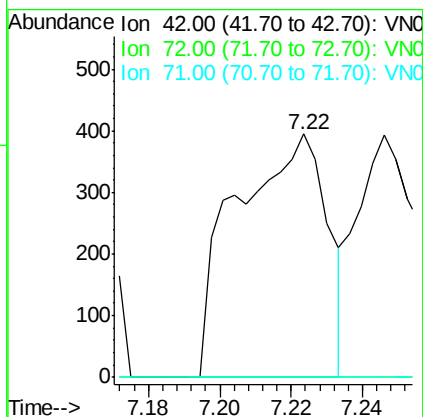
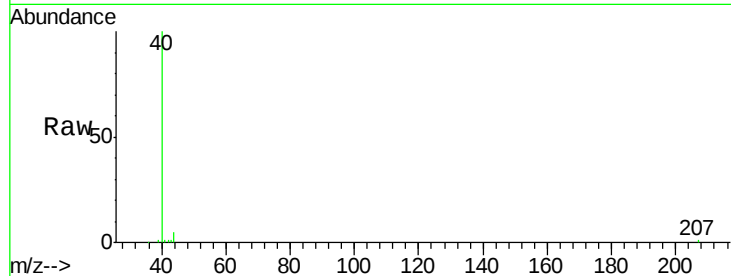




#29
Tetrahydrofuran
Concen: 0.228 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054309.D
Acq: 15 Mar 2019 15:03

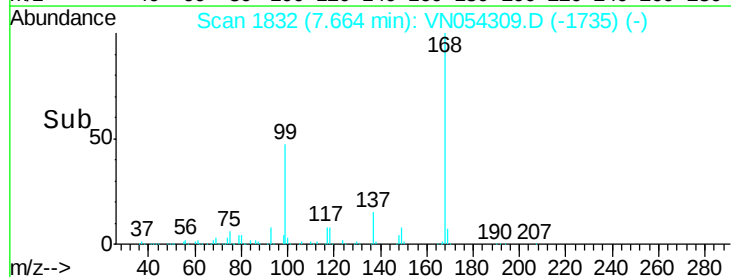
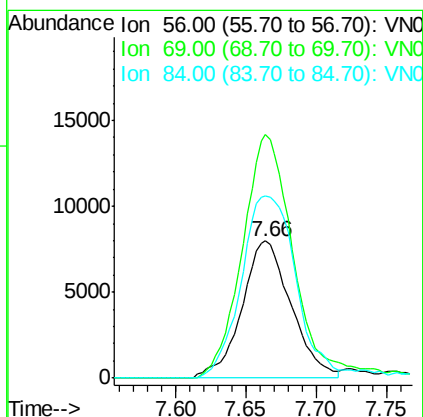
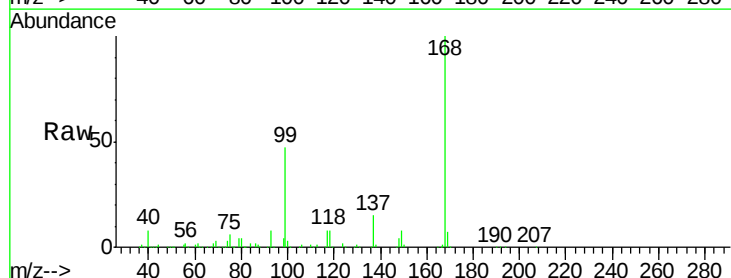
Instrument :
MSVOA_N
ClientSampled :
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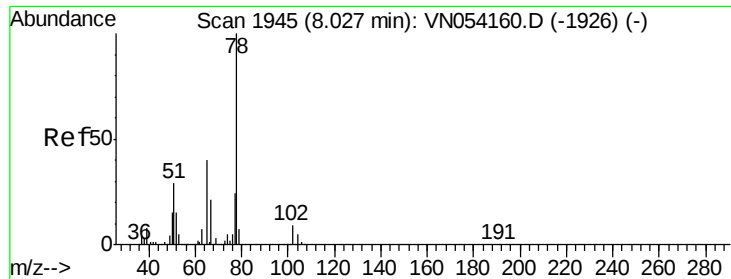
Tot Ion: 42 Resp: 696
Ion Ratio Lower Upper
42 100
72 0.0 37.8 56.6#
71 0.0 36.2 54.2#



#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN054309.D
Acq: 15 Mar 2019 15:03

Tgt Ion: 56 Resp: 19506
Ion Ratio Lower Upper
56 100
69 177.8 27.8 41.6#
84 133.2 74.6 111.8#

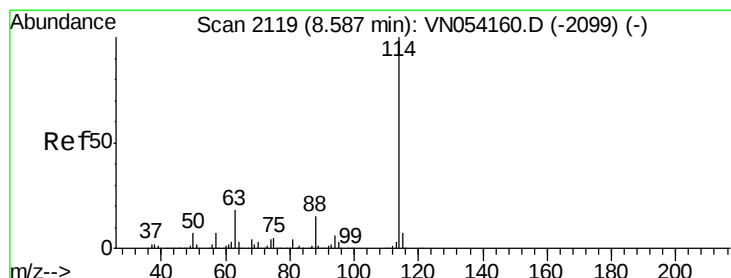
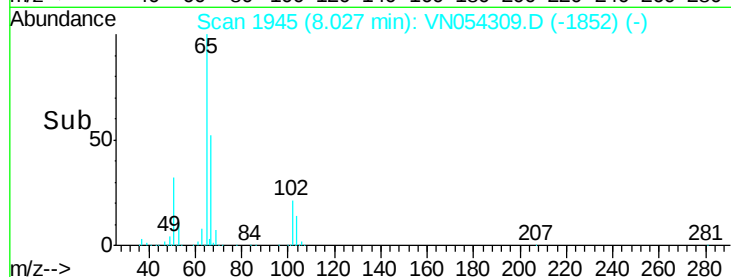
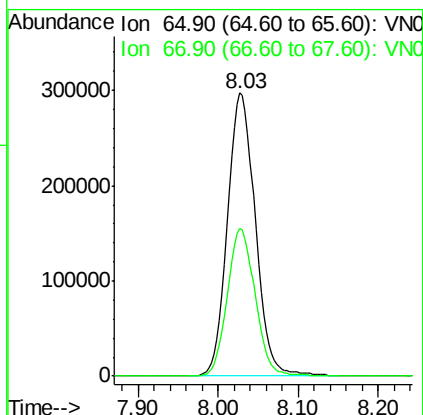
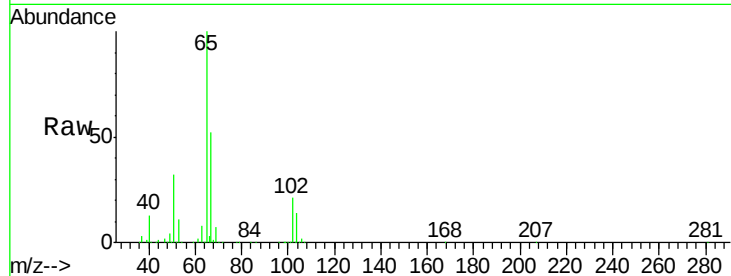




#33
 1,2-Dichloroethane-d4
 Concen: 49.980 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054309.D
 Acq: 15 Mar 2019 15:03

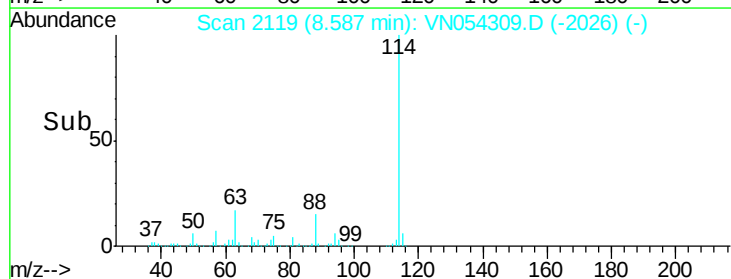
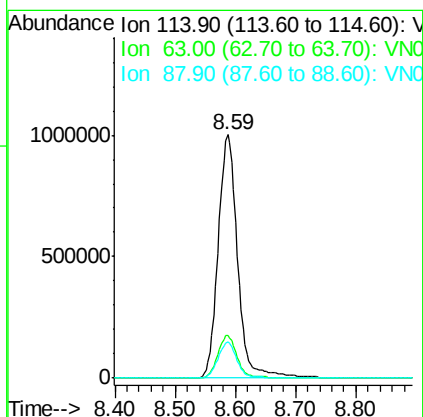
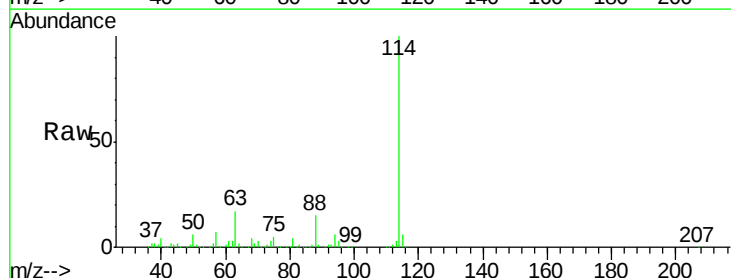
Instrument :
 MSVOA_N
 ClientSampleId :
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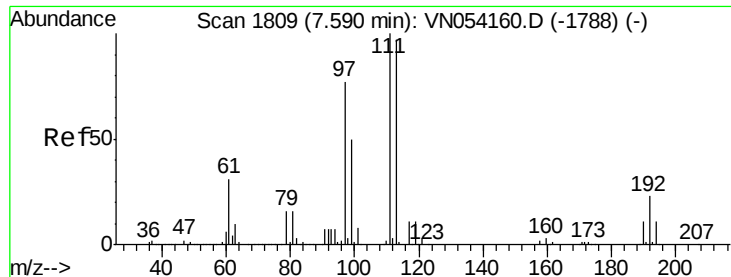
Tot Ion: 65 Resp: 706266
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054309.D
 Acq: 15 Mar 2019 15:03

Tgt Ion: 114 Resp: 2226102
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 35.2
 88 14.7 0.0 30.2

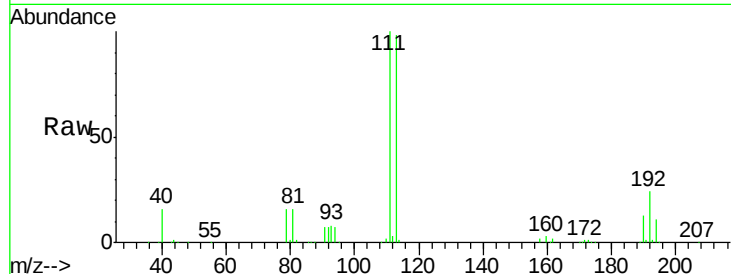




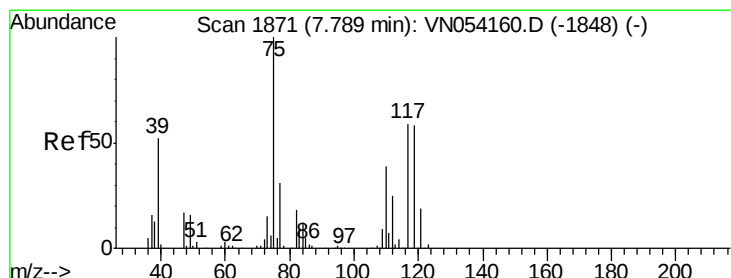
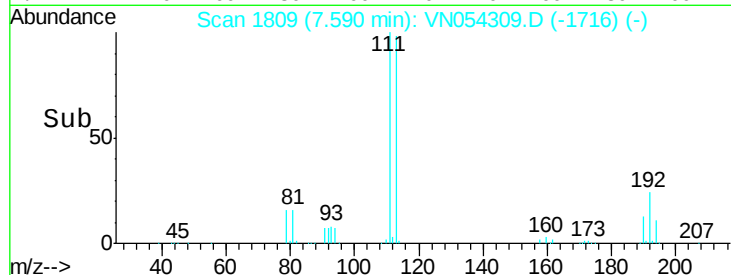
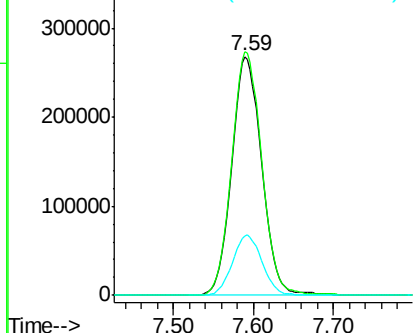
#35
 Dibromofluoromethane
 Concen: 47.369 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054309.D
 Acq: 15 Mar 2019 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Tot Ion:113 Resp: 680103
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.2 123.4
 192 25.1 19.2 28.8

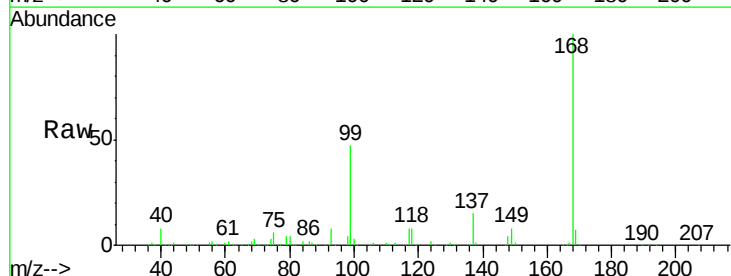


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

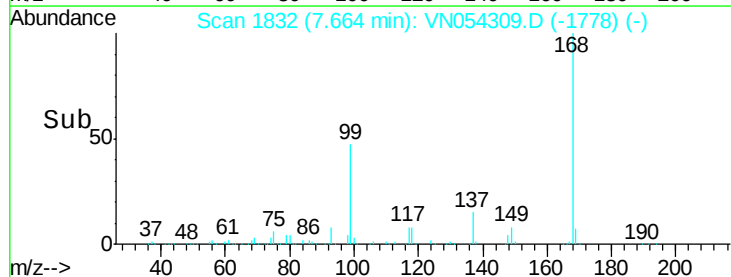
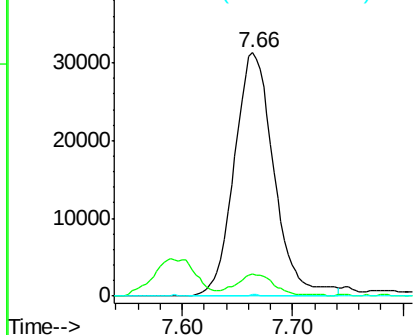


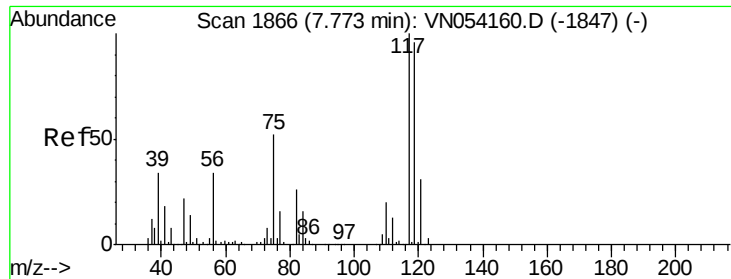
#36
 1,1-Dichloropropene
 Concen: 3.815 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054309.D
 Acq: 15 Mar 2019 15:03

Tgt Ion: 75 Resp: 78217
 Ion Ratio Lower Upper
 75 100
 110 8.0 19.1 57.5#
 77 0.1 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

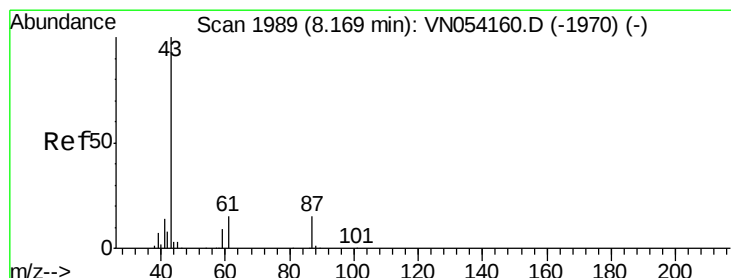
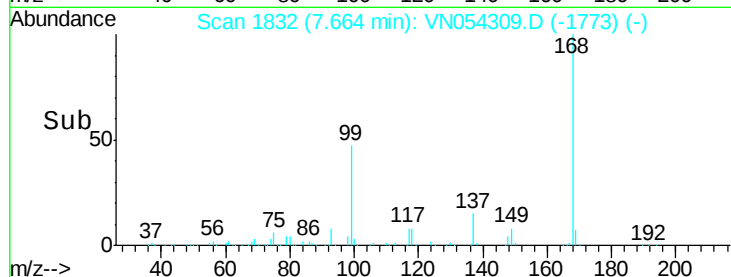
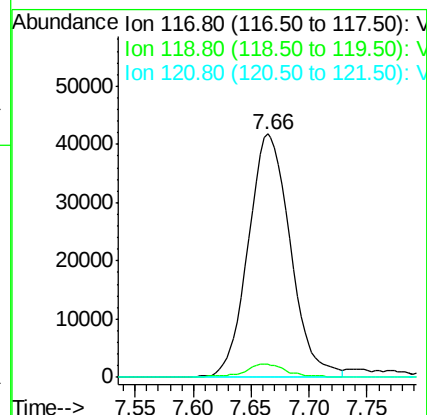
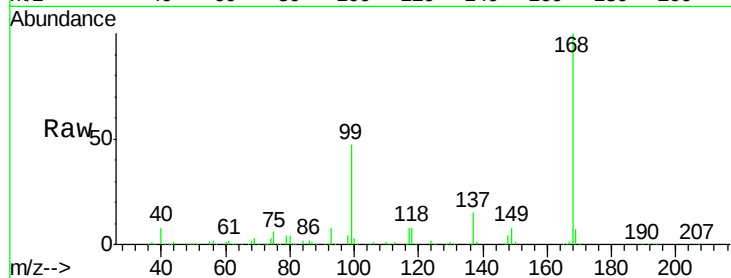




#38
Carbon Tetrachloride
Concen: 4.925 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN054309.D
Acq: 15 Mar 2019 15:03

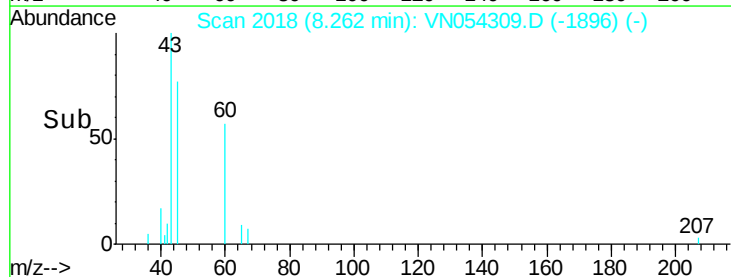
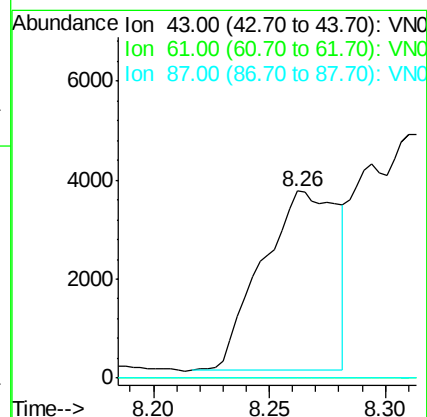
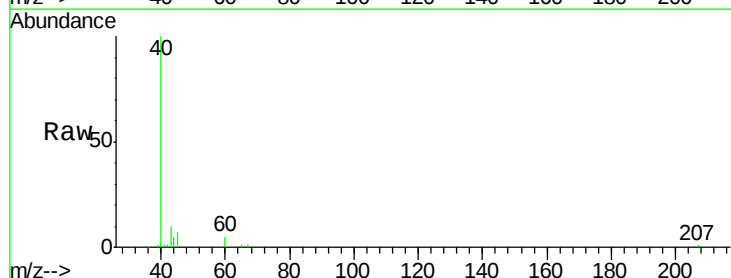
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ClientSampled :
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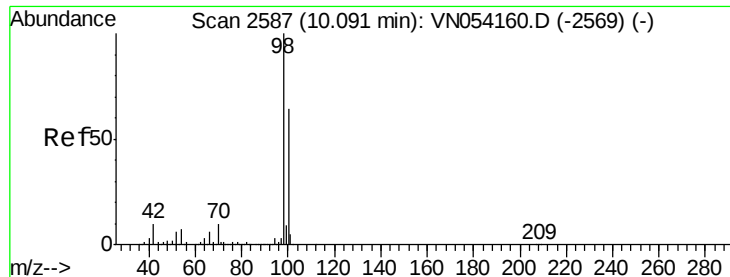
Tot Ion:117 Resp: 105888
Ion Ratio Lower Upper
117 100
119 5.3 76.3 114.5#
121 0.0 24.6 36.8#



#43
Isopropyl Acetate
Concen: 0.395 ug/l
RT: 8.26 min Scan# 2018
Delta R.T. 0.09 min
Lab File: VN054309.D
Acq: 15 Mar 2019 15:03

Tgt Ion: 43 Resp: 8158
Ion Ratio Lower Upper
43 100
61 0.0 15.8 23.8#
87 0.0 12.0 18.0#





#50

Toluene-d8

Concen: 52.037 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054309.D

Acq: 15 Mar 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

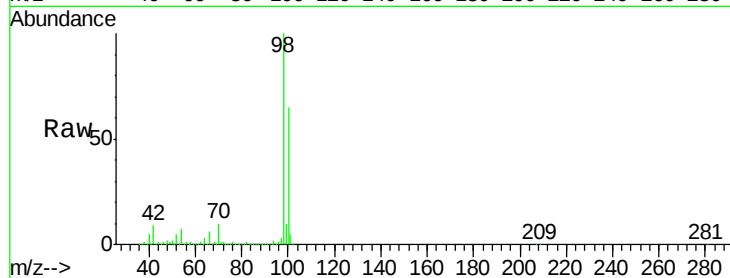
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Tot Ion: 98 Resp: 2759230

Ion Ratio Lower Upper

98 100

100 64.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054160.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN054160.D (-2569) (-)

10.09

1500000

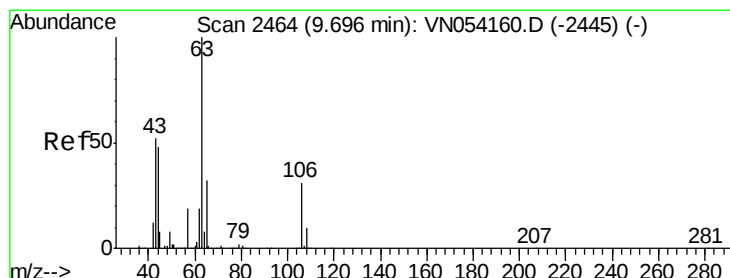
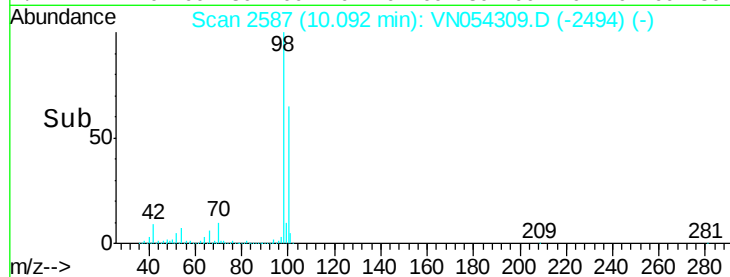
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500000

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Time-->

10.00 10.10 10.20 10.30



#58

2-Chloroethyl Vinyl ether

Concen: 16.837 ug/l

RT: 9.59 min Scan# 2430

Delta R.T. -0.11 min

Lab File: VN054309.D

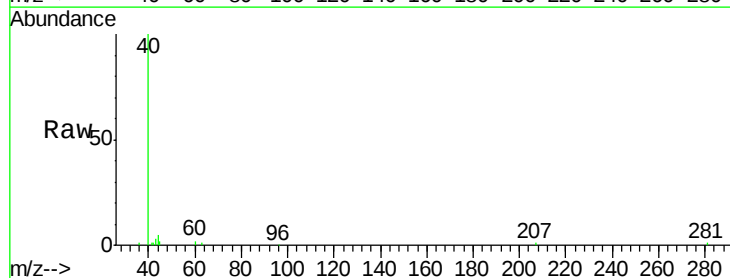
Acq: 15 Mar 2019 15:03

Tgt Ion: 63 Resp: 71

Ion Ratio Lower Upper

63 100

106 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN054160.D (-2445) (-)

Ion 105.90 (105.60 to 106.60): VN054160.D (-2445) (-)

9.59

200

150

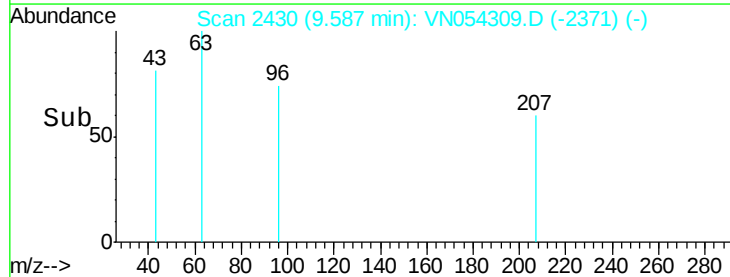
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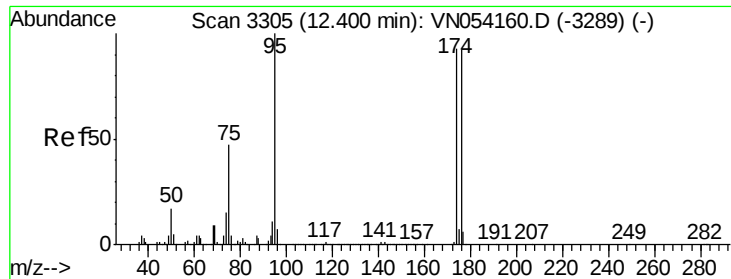
50

0

Time-->

9.57 9.58 9.59





#62

4-Bromofluorobenzene

Concen: 56.234 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054309.D

Acq: 15 Mar 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

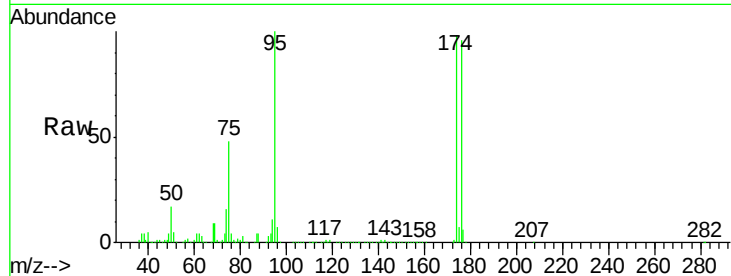
Tot Ion: 95 Resp: 1043317

Ion Ratio Lower Upper

95 100

174 98.5 0.0 191.0

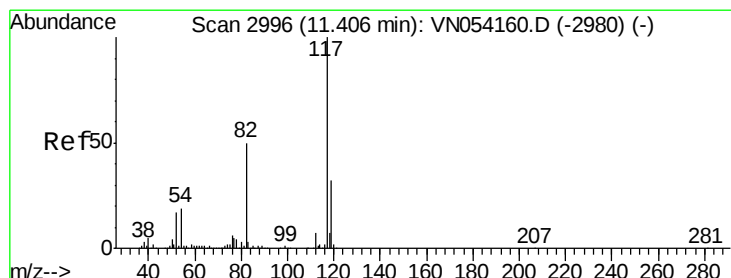
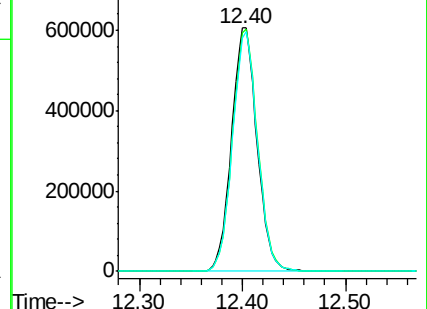
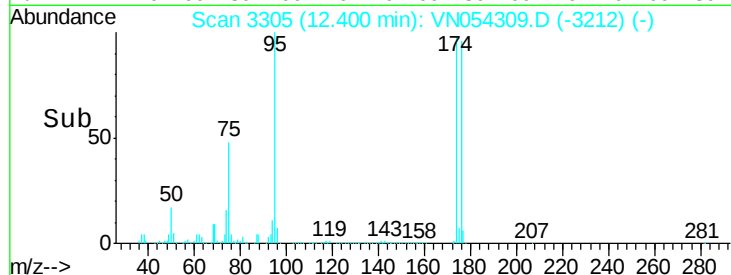
176 96.7 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054309.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN054309.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN054309.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054309.D

Acq: 15 Mar 2019 15:03

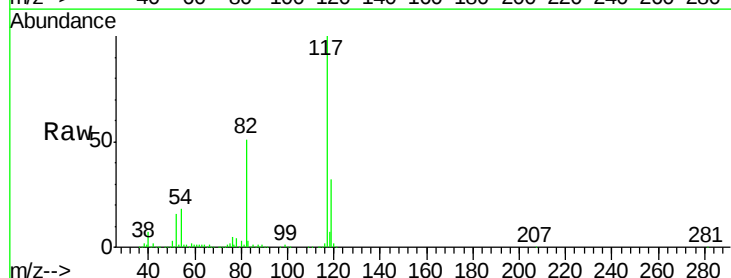
Tgt Ion: 117 Resp: 2334345

Ion Ratio Lower Upper

117 100

82 50.8 40.0 60.0

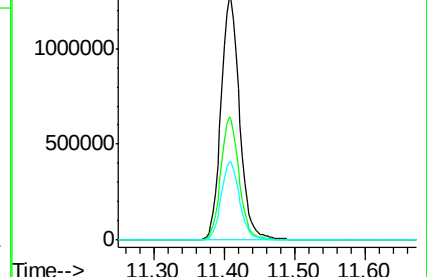
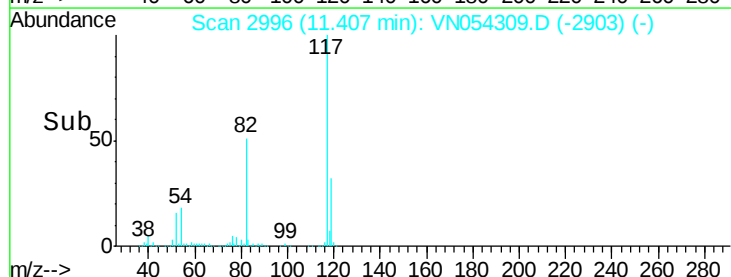
119 32.3 25.8 38.6

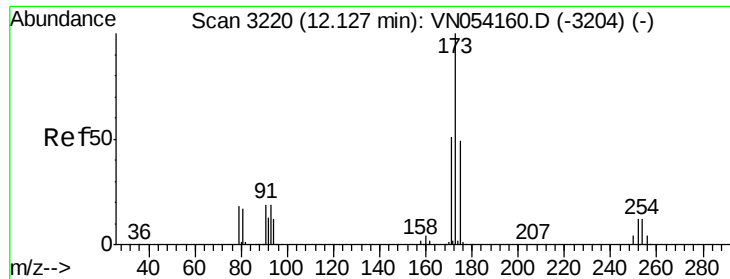


Abundance Ion 116.90 (116.60 to 117.60): VN054309.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN054309.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN054309.D (-2903) (-)

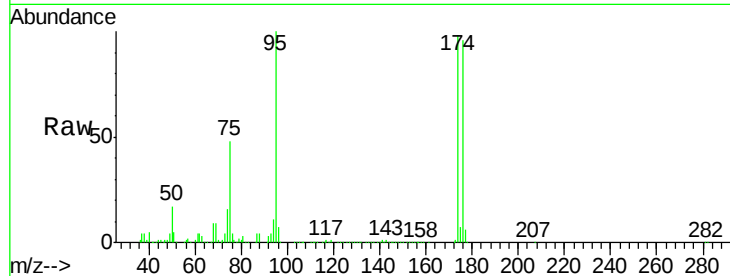




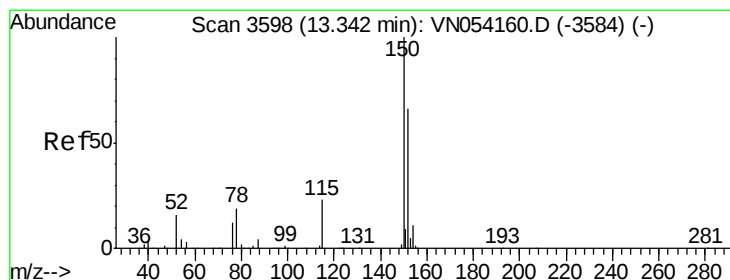
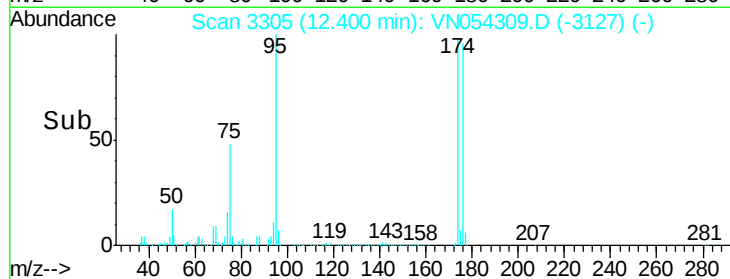
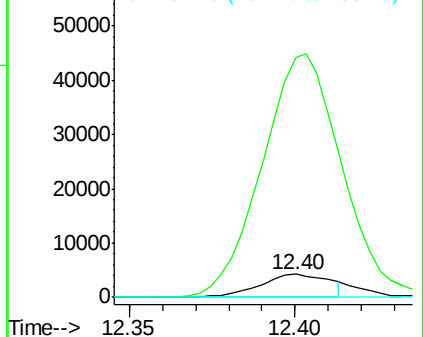
#71
Bromoform
Concen: 2.762 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN054309.D
Acq: 15 Mar 2019 15:03

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Tot Ion:173 Resp: 6123
Ion Ratio Lower Upper
173 100
175 1055.9 24.4 73.2#
254 0.0 0.1 0.1#

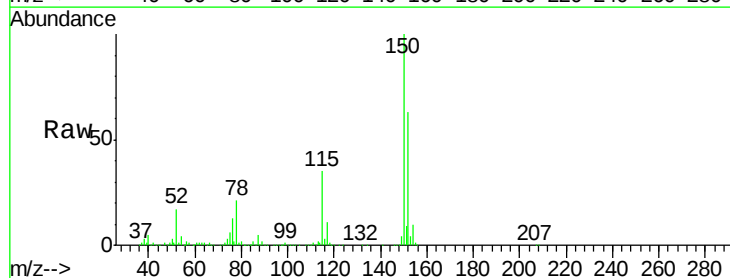


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

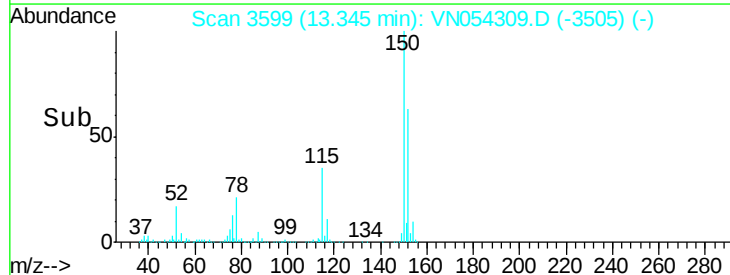
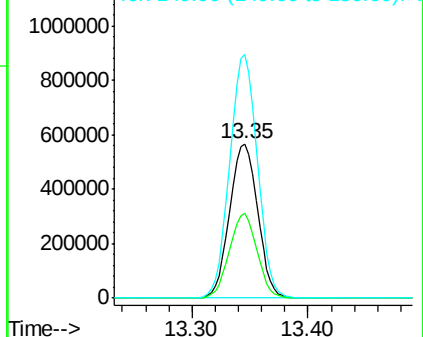


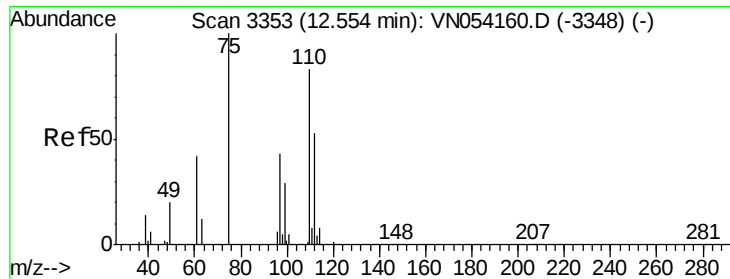
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN054309.D
Acq: 15 Mar 2019 15:03

Tgt Ion:152 Resp: 944754
Ion Ratio Lower Upper
152 100
115 53.7 27.2 81.6
150 156.0 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 35.696 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054309.D

Acq: 15 Mar 2019 15:03

Instrument :

MSVOA_N

ClientSampled :

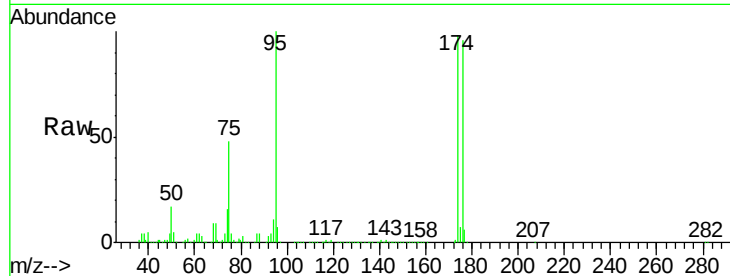
TRIP-BLANK

Tot Ion: 75 Resp: 495924

Ion Ratio Lower Upper

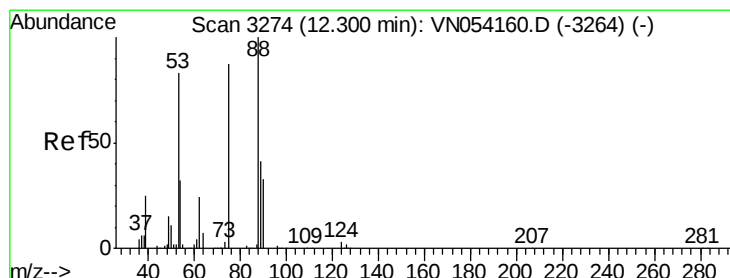
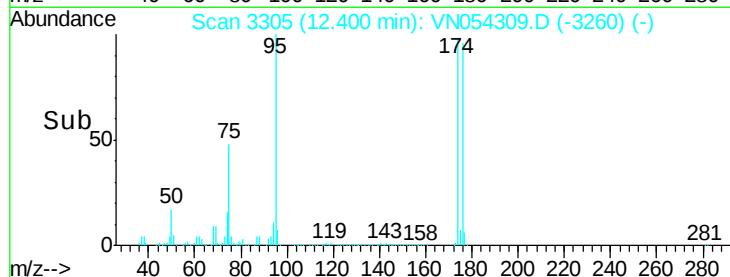
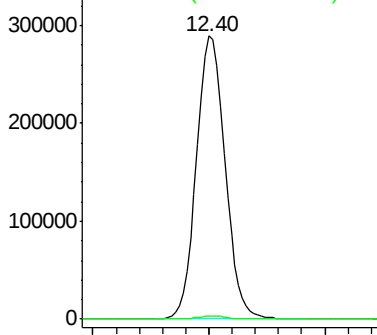
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 122.024 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054309.D

Acq: 15 Mar 2019 15:03

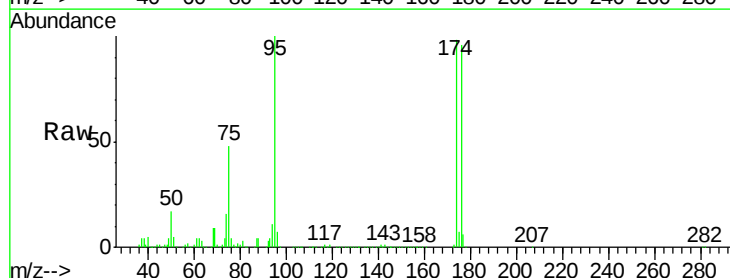
Tgt Ion: 75 Resp: 495924

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

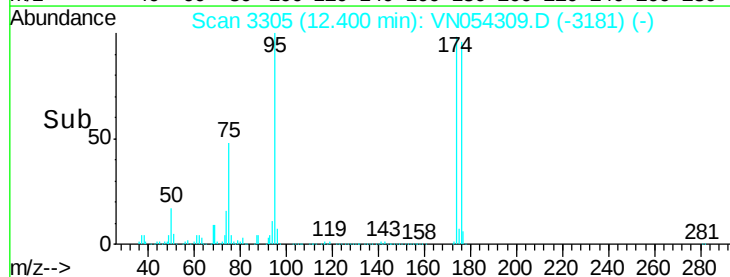
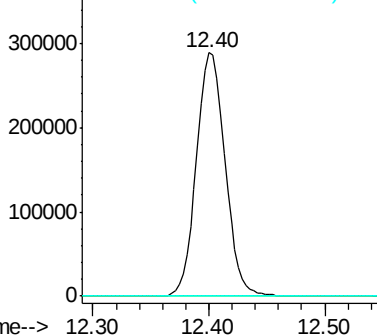
89 0.0 39.2 58.8#

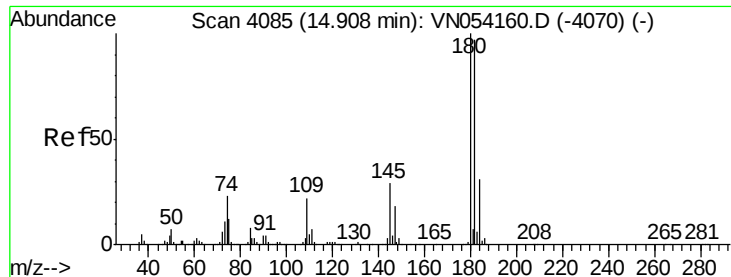


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

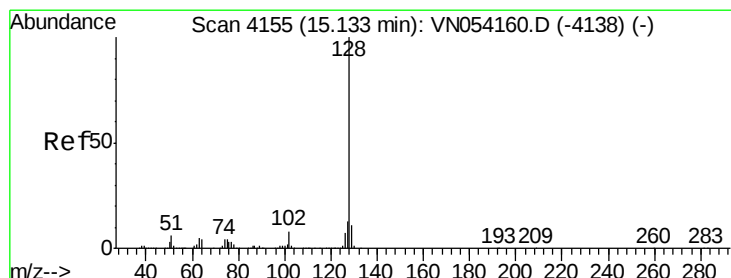
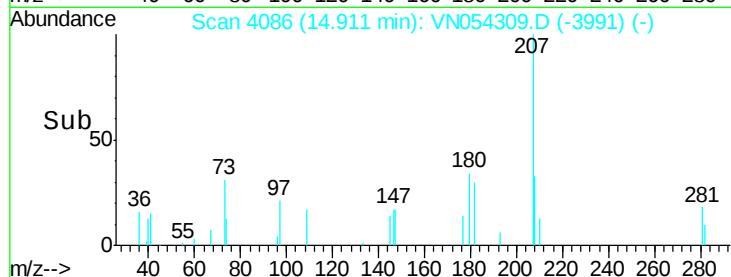
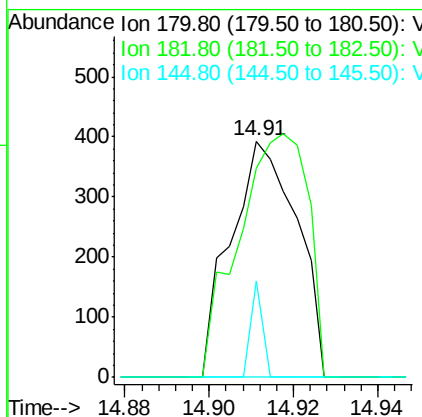
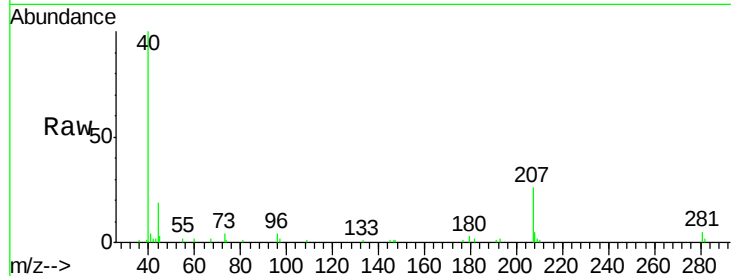




#93
 1,2,4-Trichlorobenzene
 Concen: 2.537 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN054309.D
 Acq: 15 Mar 2019 15:03

Instrument :
 MSVOA_N
 ClientSampled :
 TRIP-BLANK

Tot Ion:180 Resp: 429
 Ion Ratio Lower Upper
 180 100
 182 108.4 48.0 144.2
 145 7.2 14.2 42.8#



#95
 Naphthalene
 Concen: 3.577 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN054309.D
 Acq: 15 Mar 2019 15:03

Tgt Ion:128 Resp: 4776
 Ion Ratio Lower Upper
 128 100
 127 14.4 10.1 15.1
 129 5.2 8.7 13.1#

