

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031419\
 Data File : VN054258.D
 Acq On : 14 Mar 2019 13:35
 Operator : JC/SP
 Sample : K1842-14RE
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-030819

Quant Time: Mar 15 06:52:11 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	1299342	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2199619	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2309764	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	995370	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	704057	51.02	ug/l	0.00
Spiked Amount			Recovery	=	102.04%	
35) Dibromofluoromethane	7.59	113	668701	47.14	ug/l	0.00
Spiked Amount			Recovery	=	94.28%	
50) Toluene-d8	10.09	98	2720336	51.92	ug/l	0.00
Spiked Amount			Recovery	=	103.84%	
62) 4-Bromofluorobenzene	12.40	95	1042407	56.86	ug/l	0.00
Spiked Amount			Recovery	=	113.72%	

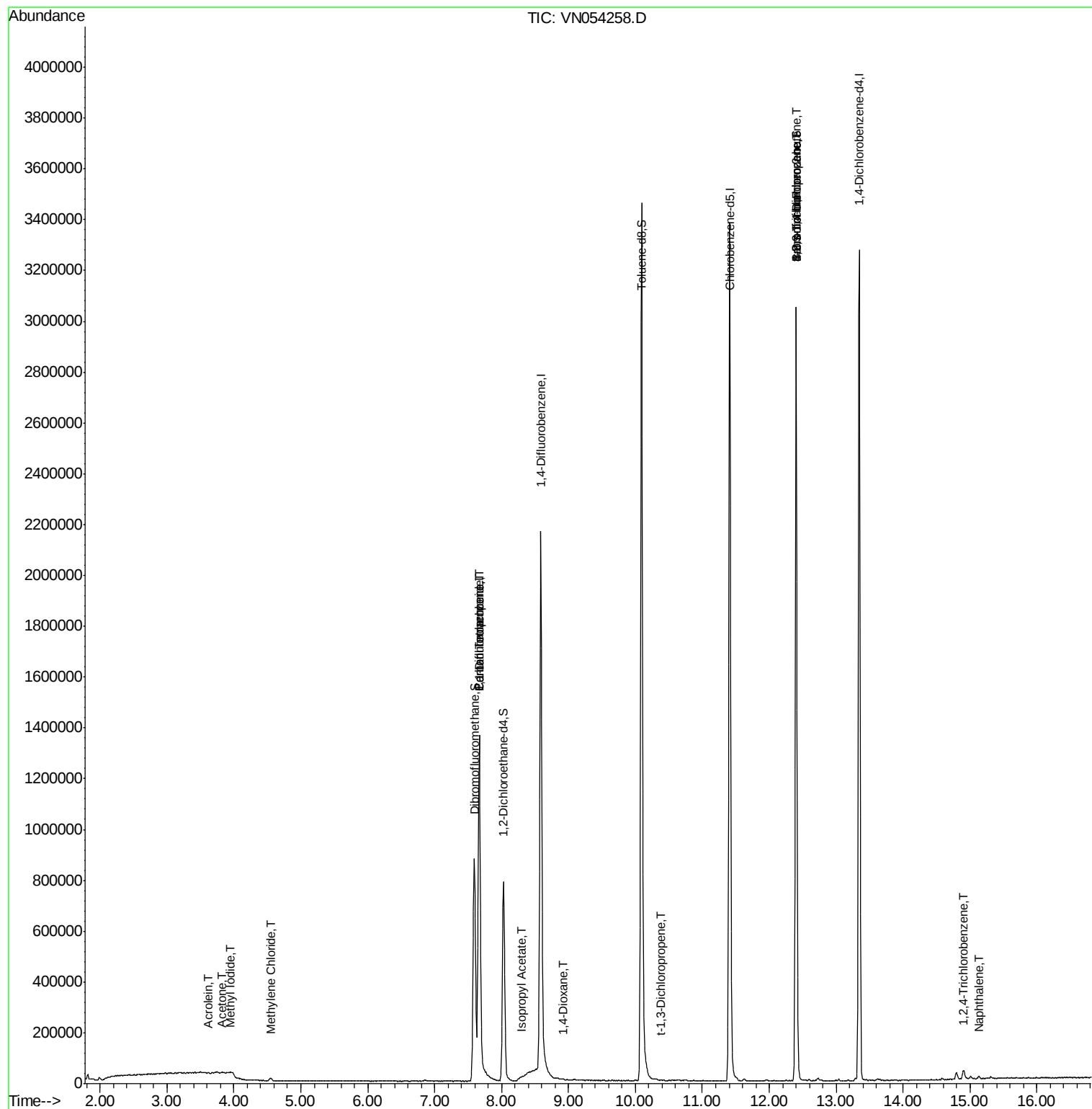
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.94	142	900	1.542	ug/l #	66
13) Acrolein	3.61	56	286	0.319	ug/l #	36
16) Acetone	3.83	43	4212	1.066	ug/l #	84
20) Methylene Chloride	4.54	84	6098	0.470	ug/l	92
31) Cyclohexane	7.66	56	21330	Below Cal	#	3
36) 1,1-Dichloropropene	7.67	75	76735	3.788	ug/l #	47
38) Carbon Tetrachloride	7.67	117	106903	5.032	ug/l #	16
43) Isopropyl Acetate	8.30	43	18905	0.925	ug/l #	60
49) 1,4-Dioxane	8.91	88	30	0.205	ug/l #	27
53) t-1,3-Dichloropropene	10.39	75	405	2.003	ug/l #	42
71) Bromoform	12.40	173	6316	2.779	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	502894	34.357	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	502894	117.447	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	2729	2.640	ug/l	90
95) Naphthalene	15.13	128	7797	3.636	ug/l	98

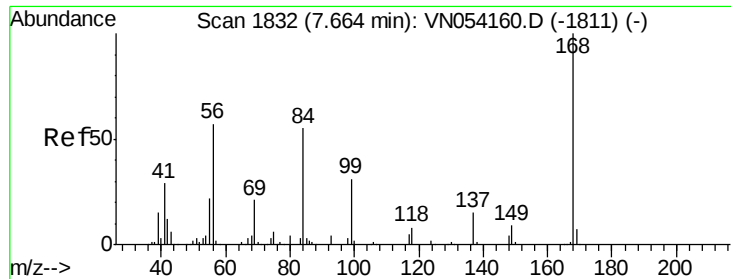
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN054258.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_N

ClientSampled :

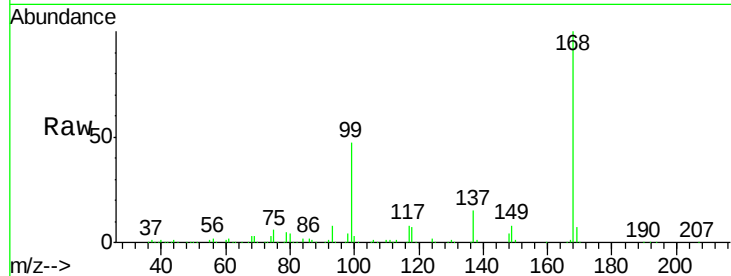
TB-030819

Tot Ion:168 Resp: 1299342

Ion Ratio Lower Upper

168 100

99 47.3 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

600000

500000

400000

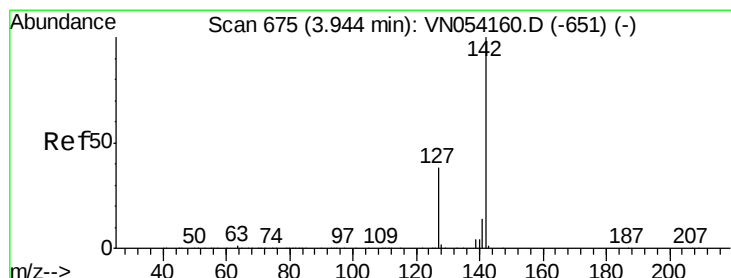
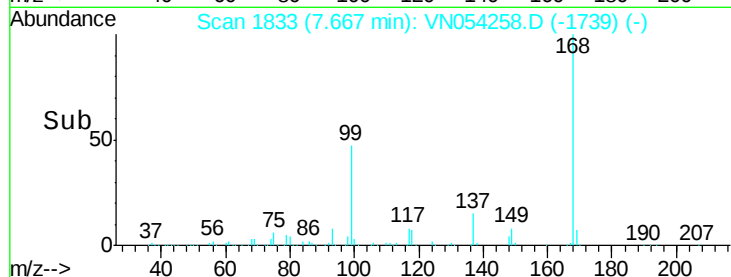
300000

200000

100000

0

Time-->



#10

Methyl Iodide

Concen: 1.542 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054258.D

Acq: 14 Mar 2019 13:35

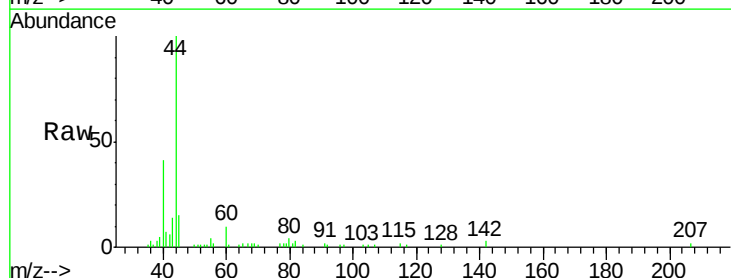
Tgt Ion:142 Resp: 900

Ion Ratio Lower Upper

142 100

127 17.8 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

600

500

400

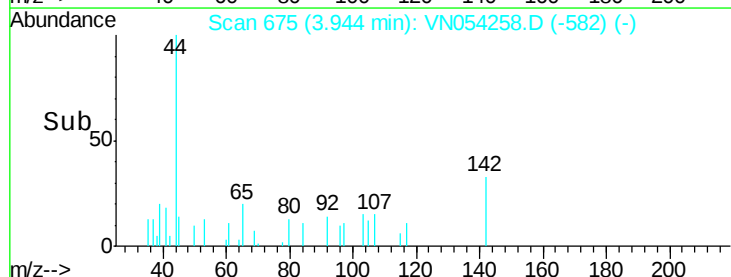
300

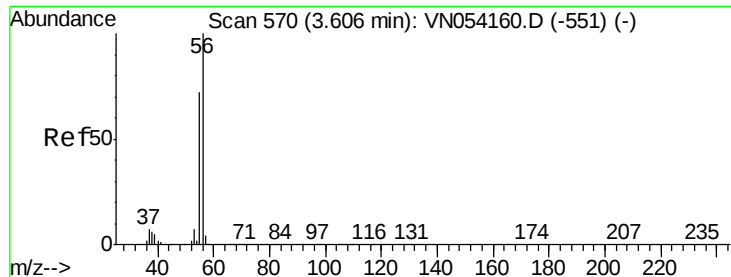
200

100

0

Time-->





#13

Acrolein

Concen: 0.319 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054258.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_N

ClientSampled :

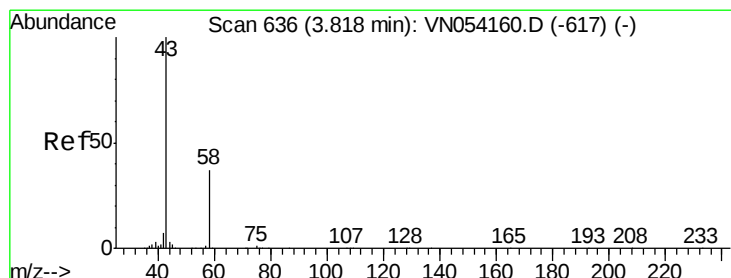
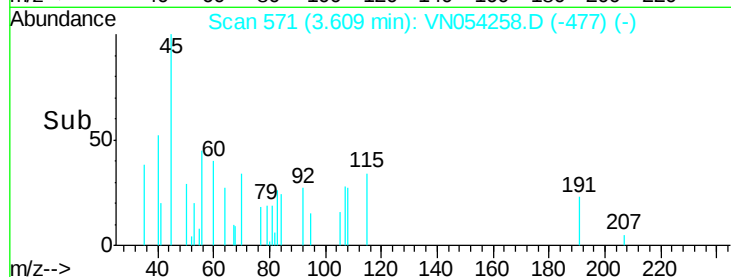
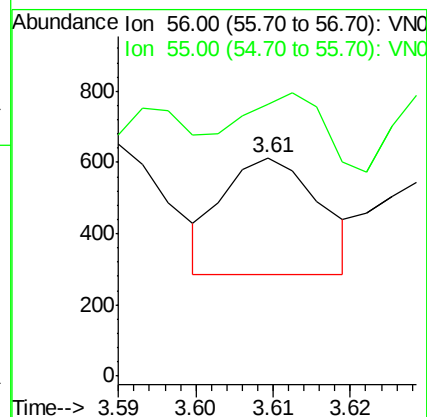
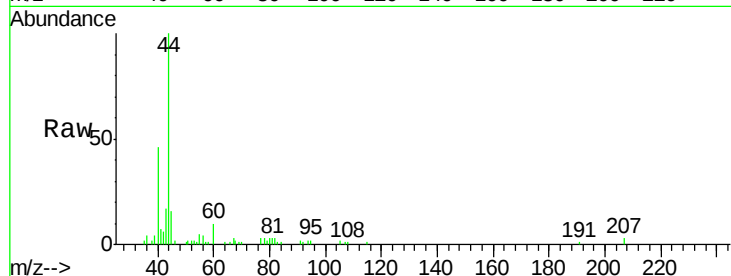
TB-030819

Tot Ion: 56 Resp: 286

Ion Ratio Lower Upper

56 100

55 124.1 56.7 85.1#



#16

Acetone

Concen: 1.066 ug/l

RT: 3.83 min Scan# 641

Delta R.T. 0.02 min

Lab File: VN054258.D

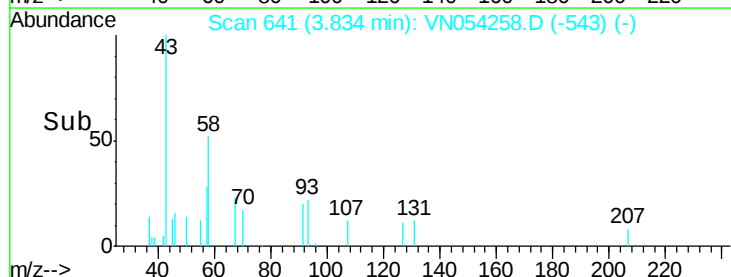
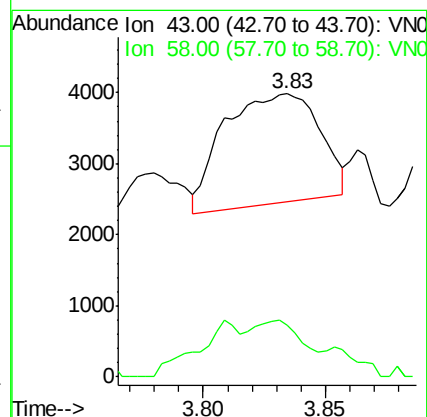
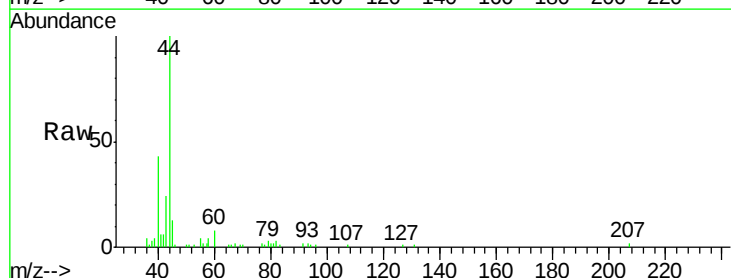
Acq: 14 Mar 2019 13:35

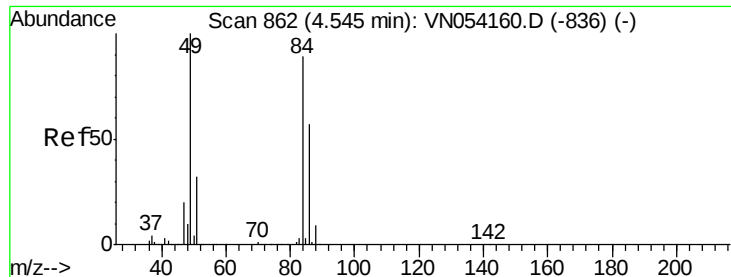
Tgt Ion: 43 Resp: 4212

Ion Ratio Lower Upper

43 100

58 27.7 29.9 44.9#

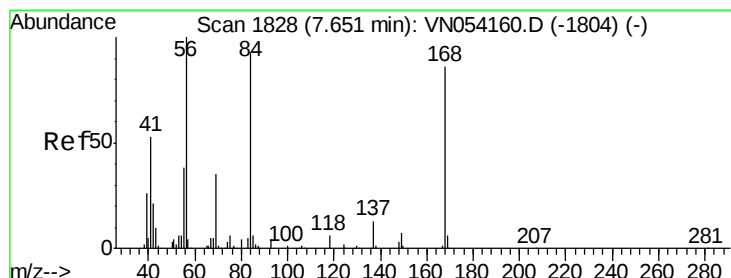
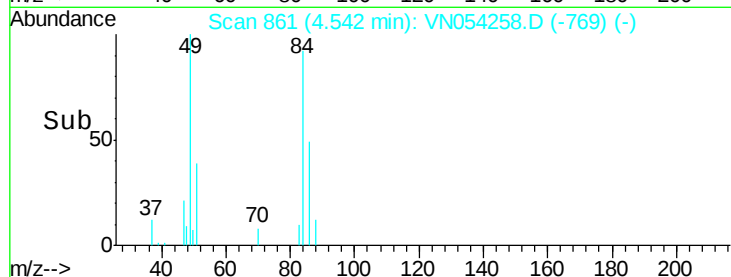
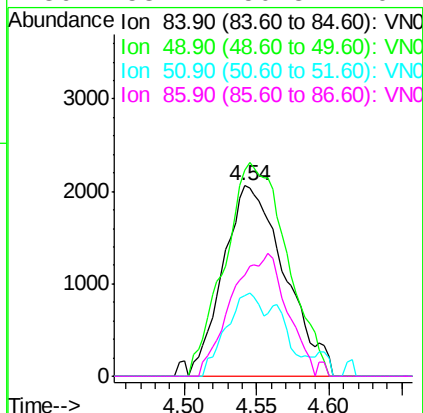
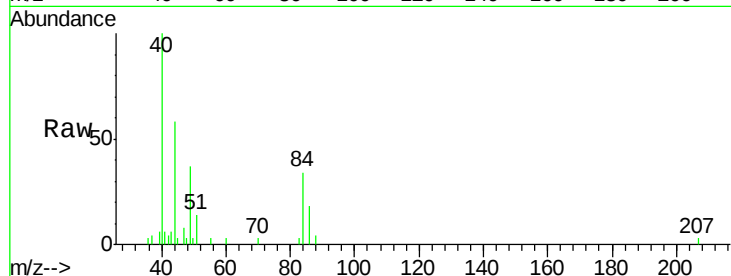




#20
Methvlene Chloride
Concen: 0.470 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN054258.D
Acq: 14 Mar 2019 13:35

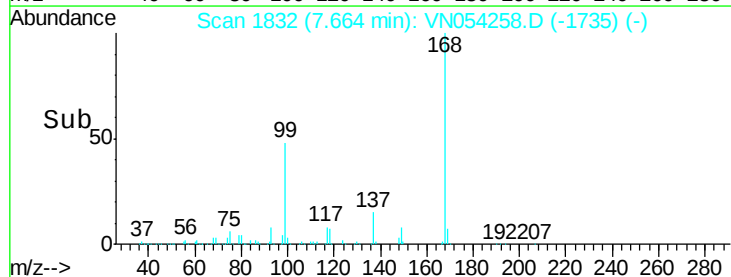
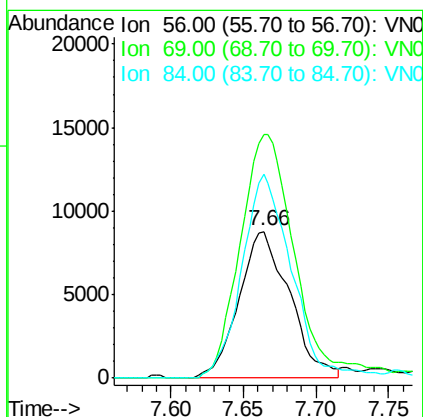
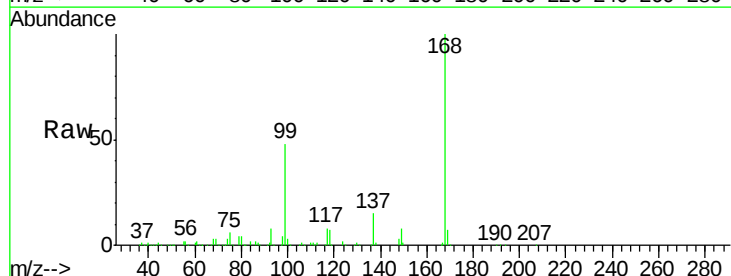
Instrument :
MSVOA_N
ClientSampleId :
TB-030819

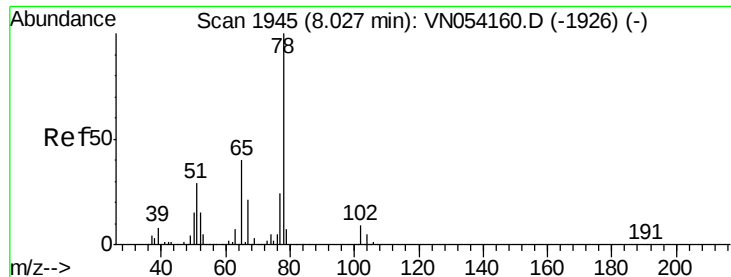
Tot Ion: 84 Resp: 6098
Ion Ratio Lower Upper
84 100
49 108.4 89.7 134.5
51 42.1 28.2 42.4
86 53.1 50.8 76.2



#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN054258.D
Acq: 14 Mar 2019 13:35

Tgt Ion: 56 Resp: 21330
Ion Ratio Lower Upper
56 100
69 166.4 27.8 41.6#
84 139.1 74.6 111.8#





#33

1,2-Dichloroethane-d4

Concen: 51.022 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN054258.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_N

ClientSampleId :

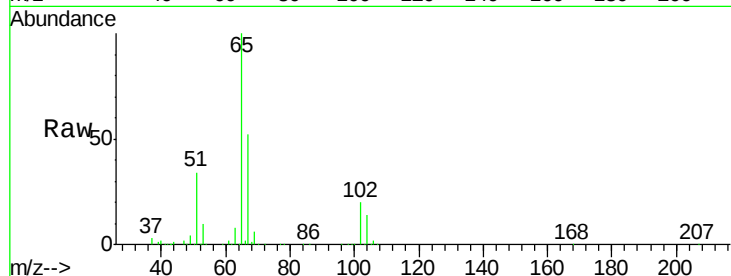
TB-030819

Tot Ion: 65 Resp: 704057

Ion Ratio Lower Upper

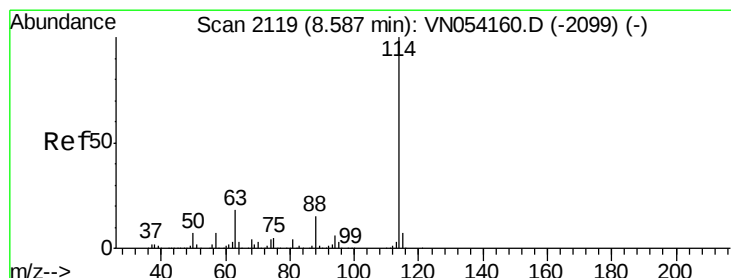
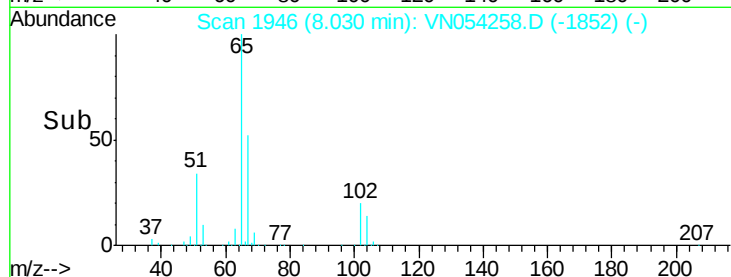
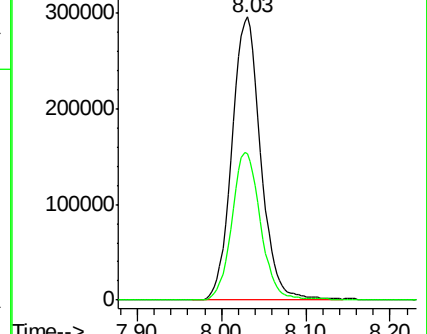
65 100

67 52.1 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: VN054258.D

Acq: 14 Mar 2019 13:35

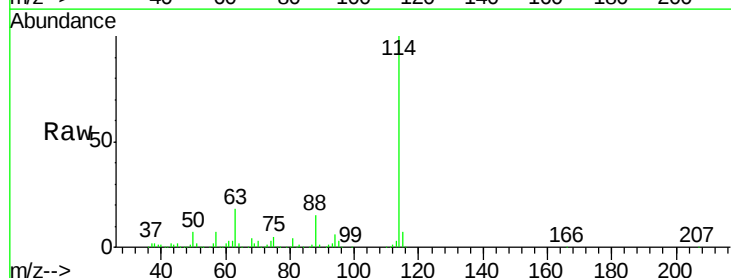
Tgt Ion:114 Resp: 2199619

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.2

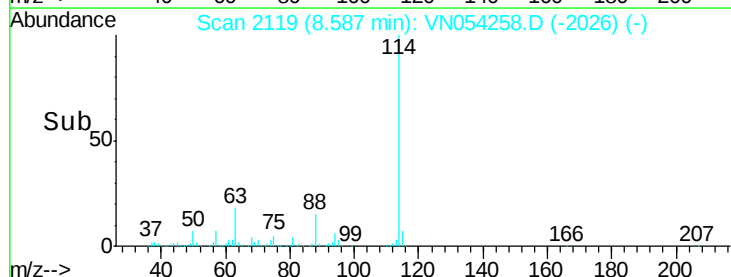
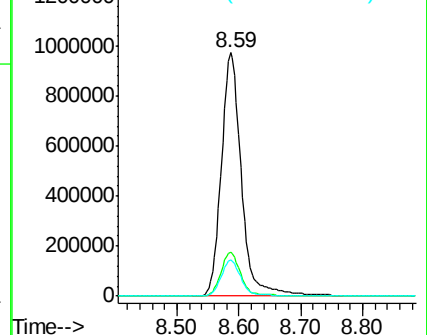
88 14.8 0.0 30.2

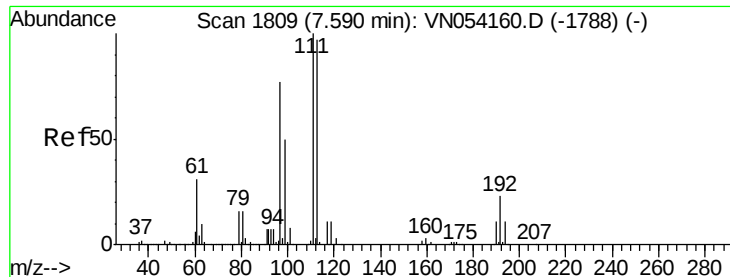


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

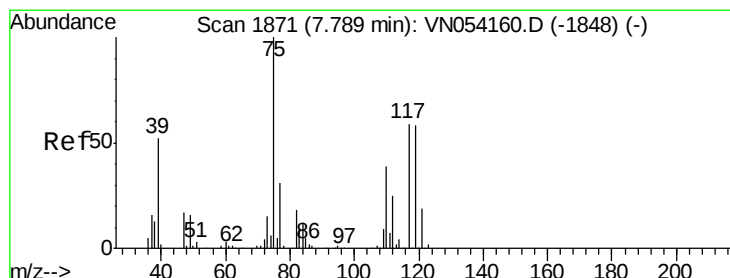
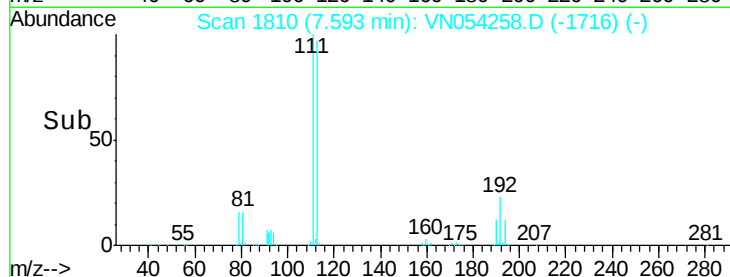
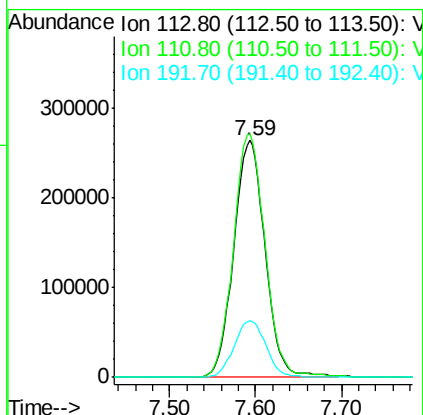
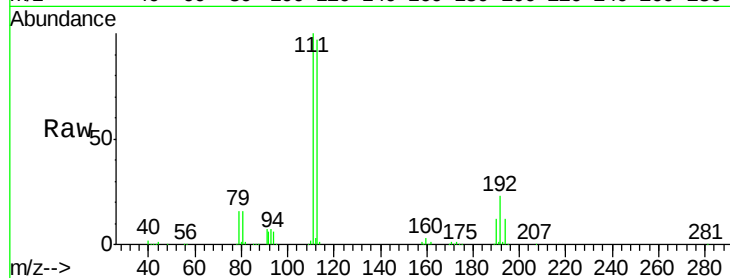




#35
Dibromofluoromethane
Concen: 47.136 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN054258.D
Acq: 14 Mar 2019 13:35

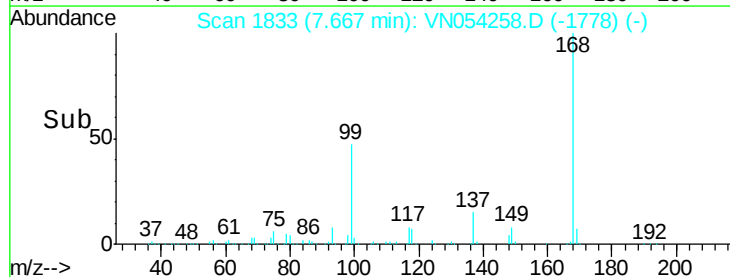
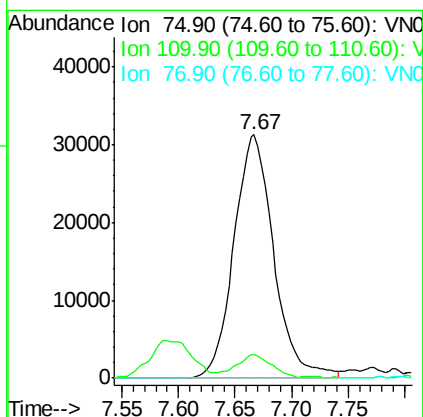
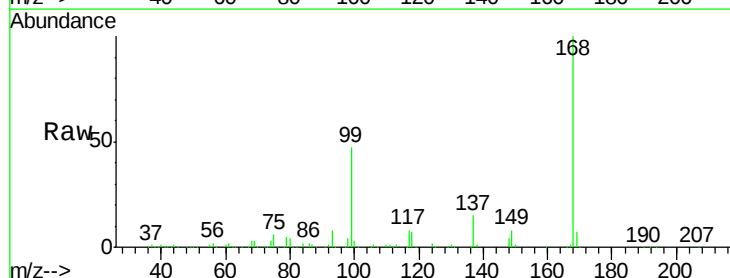
Instrument :
MSVOA_N
ClientSampled :
TB-030819

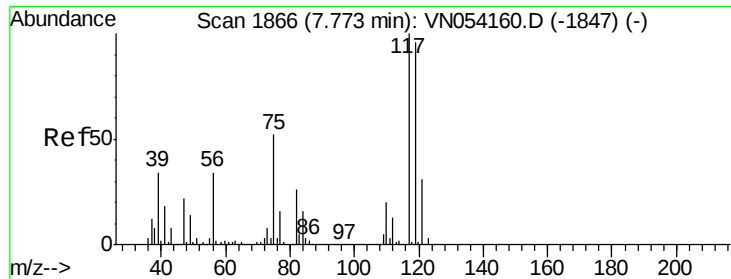
Tot Ion:113 Resp: 668701
Ion Ratio Lower Upper
113 100
111 103.7 82.2 123.4
192 24.3 19.2 28.8



#36
1,1-Dichloropropene
Concen: 3.788 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.12 min
Lab File: VN054258.D
Acq: 14 Mar 2019 13:35

Tgt Ion: 75 Resp: 76735
Ion Ratio Lower Upper
75 100
110 8.5 19.1 57.5#
77 0.0 25.0 37.4#

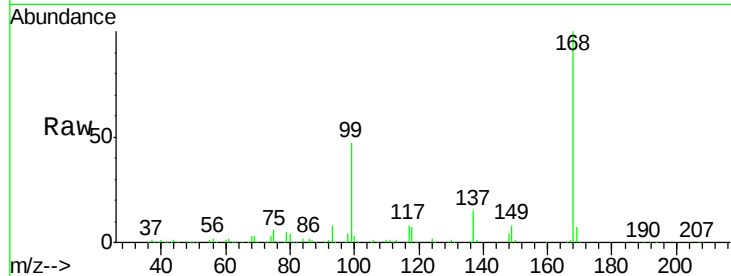




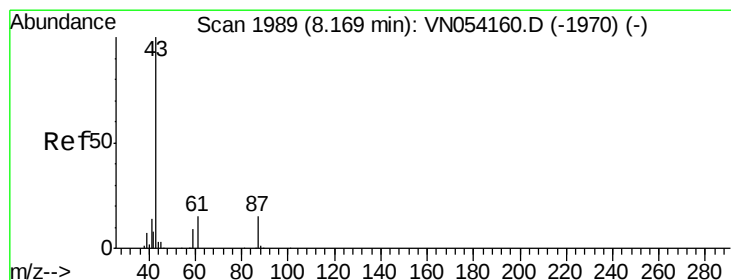
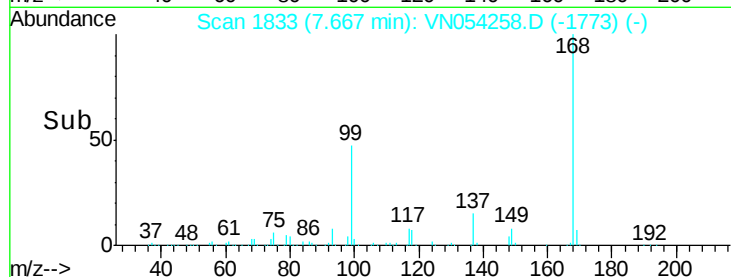
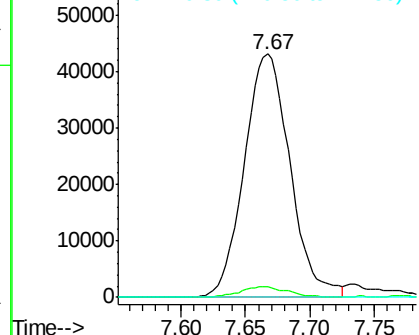
#38
Carbon Tetrachloride
Concen: 5.032 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN054258.D
Acq: 14 Mar 2019 13:35

Instrument :
MSVOA_N
ClientSampled :
TB-030819

Tot Ion:117 Resp: 106903
Ion Ratio Lower Upper
117 100
119 4.6 76.3 114.5#
121 0.0 24.6 36.8#

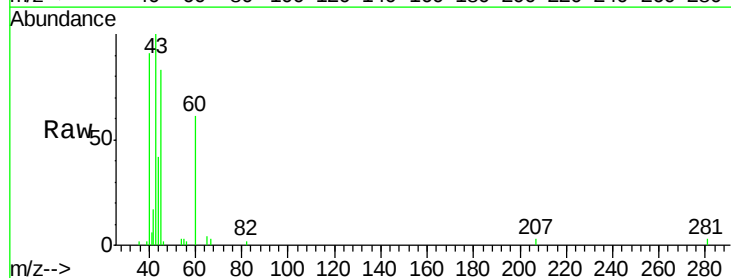


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

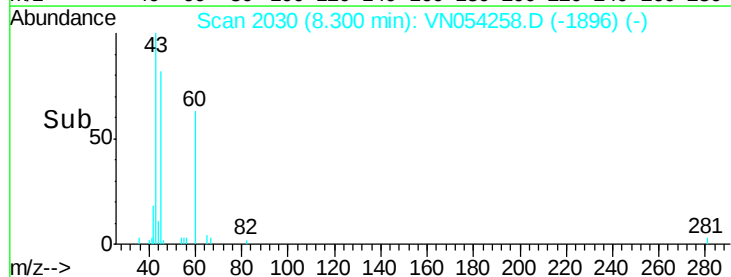
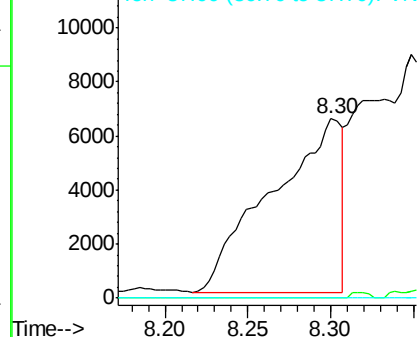


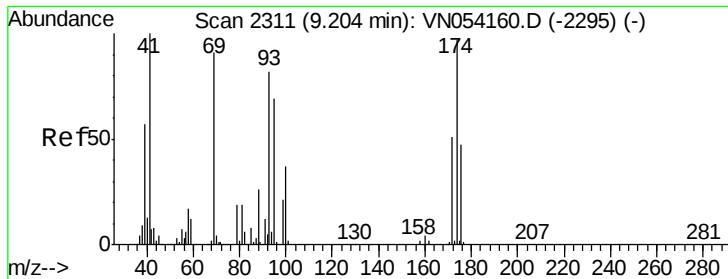
#43
Isopropyl Acetate
Concen: 0.925 ug/l
RT: 8.30 min Scan# 2030
Delta R.T. 0.13 min
Lab File: VN054258.D
Acq: 14 Mar 2019 13:35

Tgt Ion: 43 Resp: 18905
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

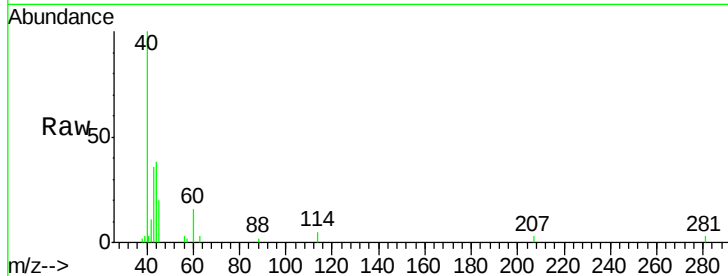




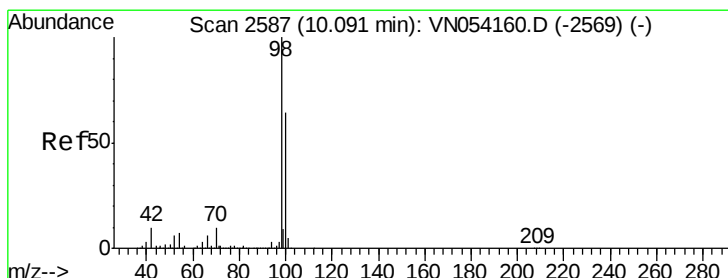
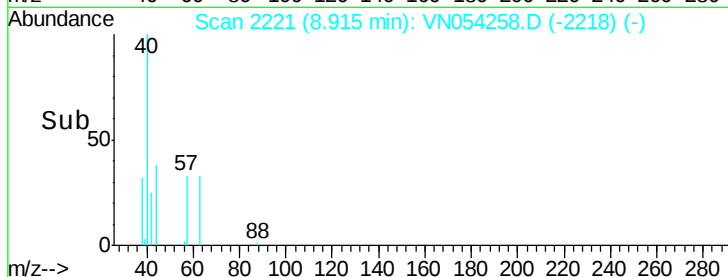
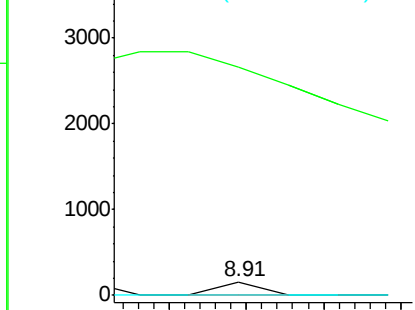
#49
1,4-Dioxane
Concen: 0.205 ug/l
RT: 8.91 min Scan# 2221
Delta R.T. -0.29 min
Lab File: VN054258.D
Acq: 14 Mar 2019 13:35

Instrument :
MSVOA_N
ClientSampleId :
TB-030819

Tot Ion: 88 Resp: 30
Ion Ratio Lower Upper
88 100
43 0.0 24.1 36.1#
58 0.0 50.8 76.2#

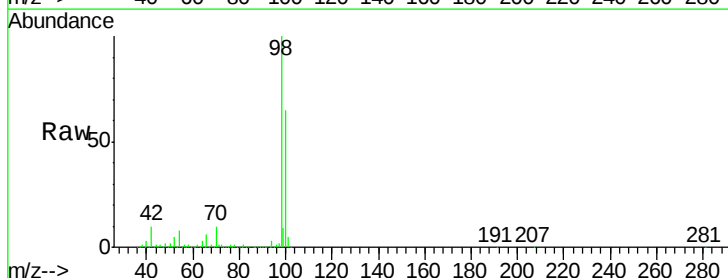


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

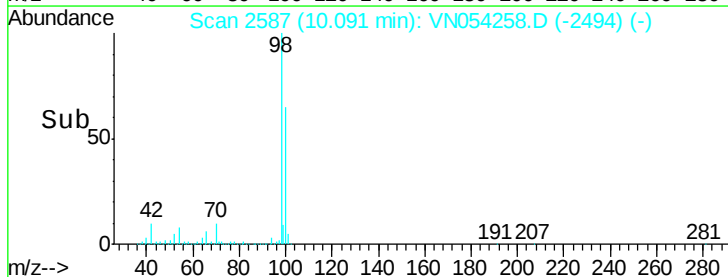
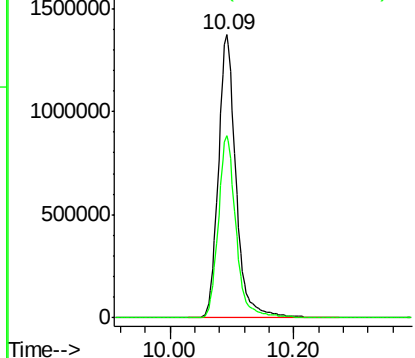


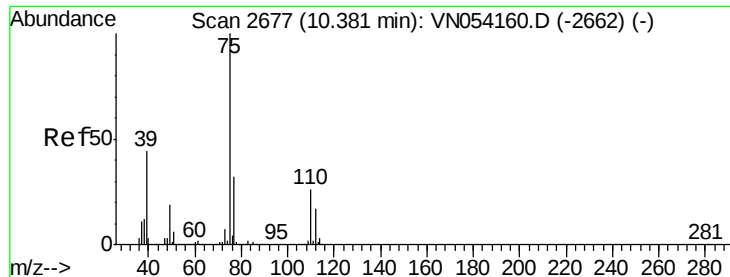
#50
Toluene-d8
Concen: 51.921 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054258.D
Acq: 14 Mar 2019 13:35

Tgt Ion: 98 Resp: 2720336
Ion Ratio Lower Upper
98 100
100 64.6 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: 2.003 ug/l

RT: 10.39 min Scan# 2679

Delta R.T. 0.01 min

Lab File: VN054258.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_N

ClientSampleId :

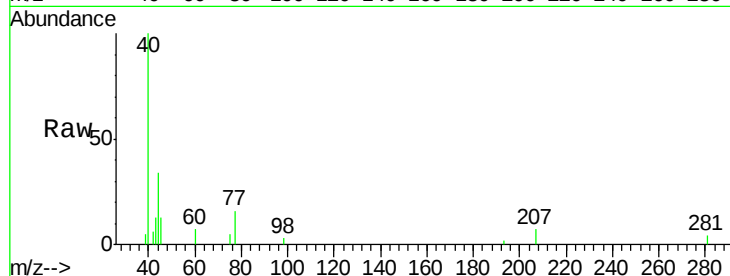
TB-030819

Tot Ion: 75 Resp: 405

Ion Ratio Lower Upper

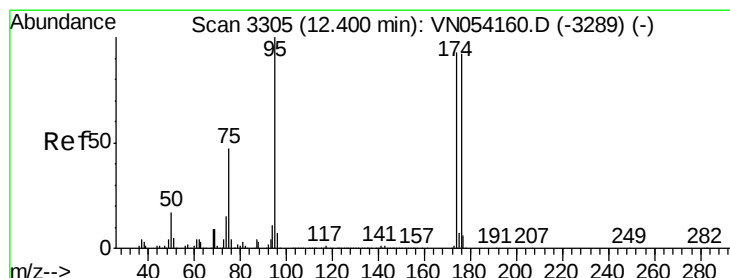
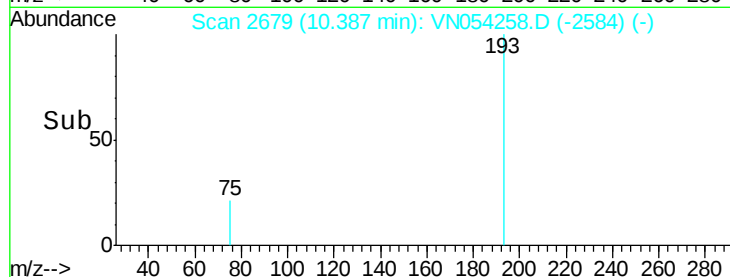
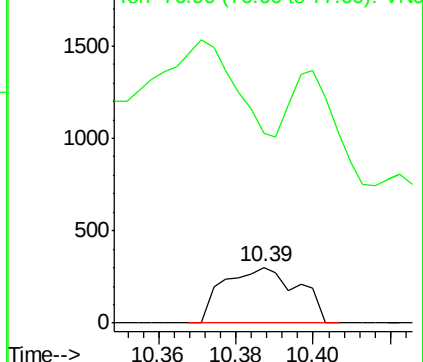
75 100

77 0.0 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: 56.861 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054258.D

Acq: 14 Mar 2019 13:35

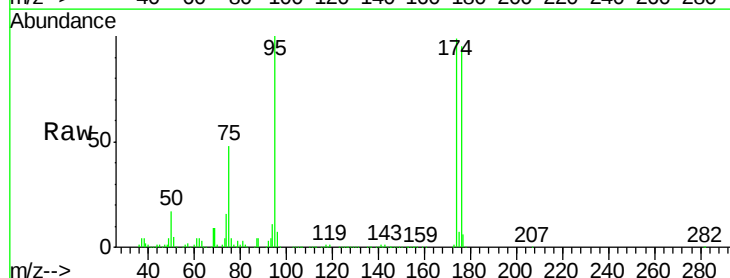
Tgt Ion: 95 Resp: 1042407

Ion Ratio Lower Upper

95 100

174 97.4 0.0 191.0

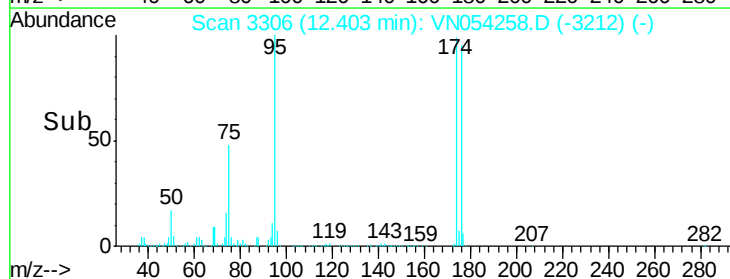
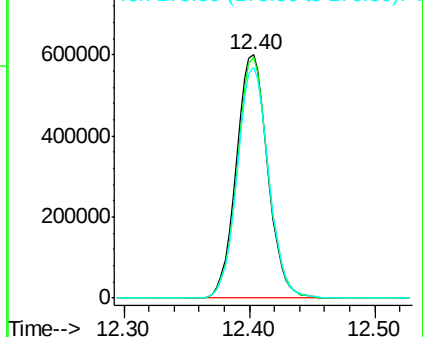
176 94.7 0.0 187.4

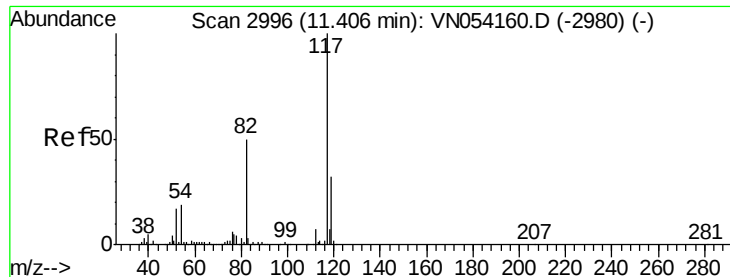


Abundance Ion 94.90 (94.60 to 95.60): VN0

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# 2997

Delta R.T. 0.00 min

Lab File: VN054258.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_N

ClientSampleId :

TB-030819

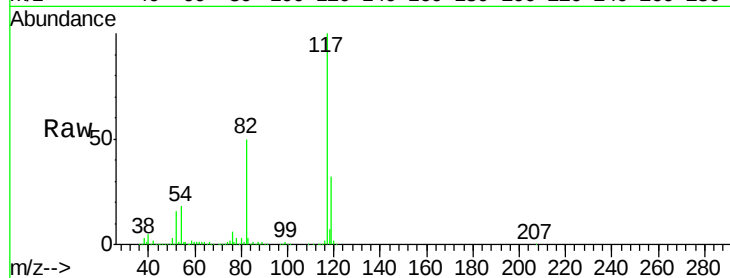
Tot Ion:117 Resp: 2309764

Ion Ratio Lower Upper

117 100

82 50.0 40.0 60.0

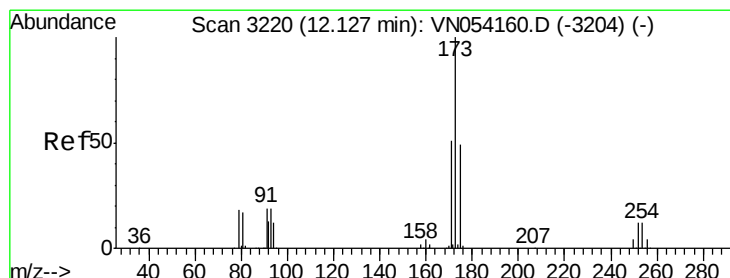
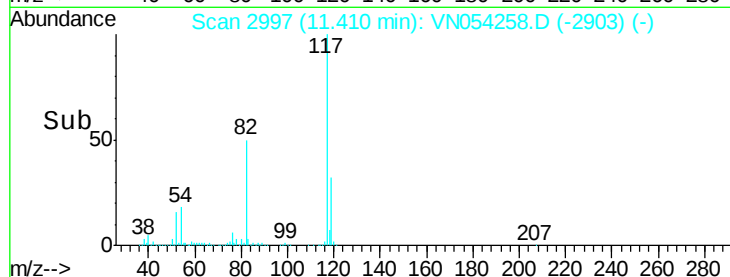
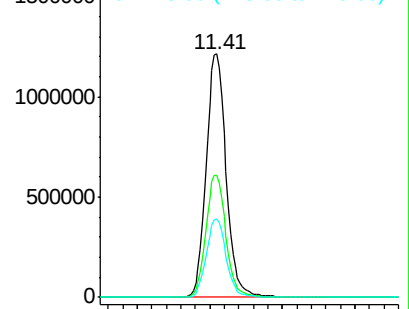
119 32.2 25.8 38.6



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: 2.779 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN054258.D

Acq: 14 Mar 2019 13:35

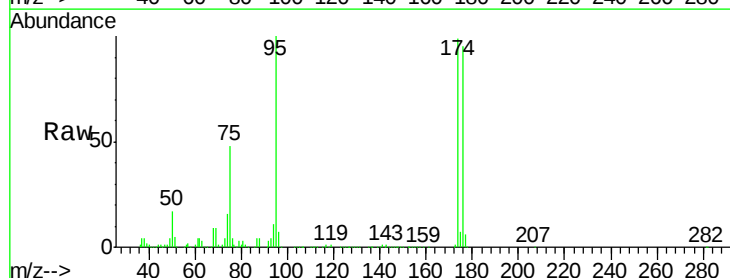
Tgt Ion:173 Resp: 6316

Ion Ratio Lower Upper

173 100

175 979.7 24.4 73.2#

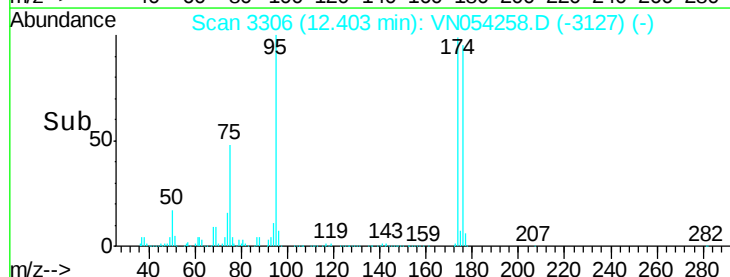
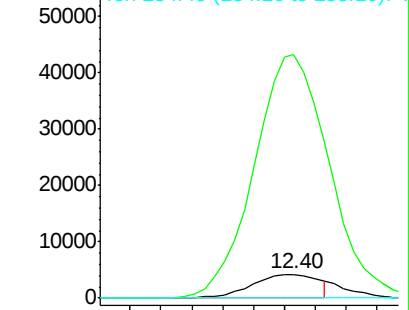
254 0.0 0.1 0.1#

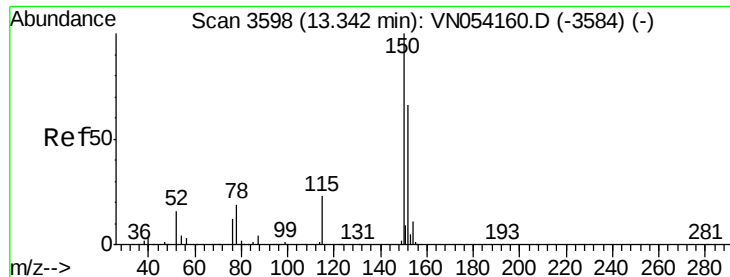


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN054258.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_N

ClientSampleId :

TB-030819

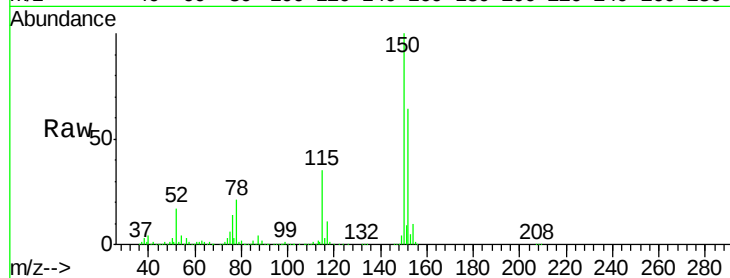
Tot Ion:152 Resp: 995370

Ion Ratio Lower Upper

152 100

115 54.9 27.2 81.6

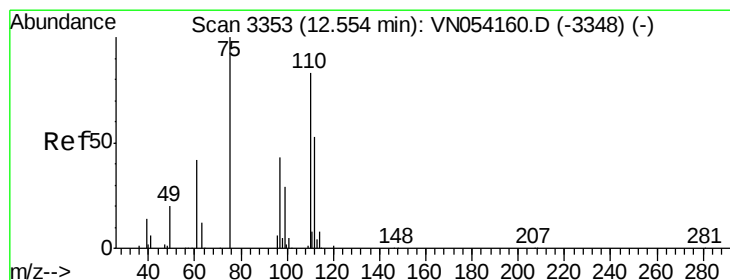
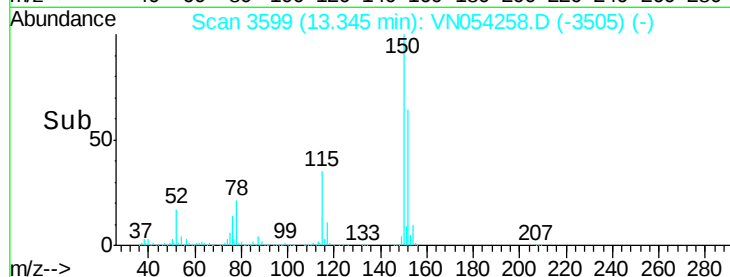
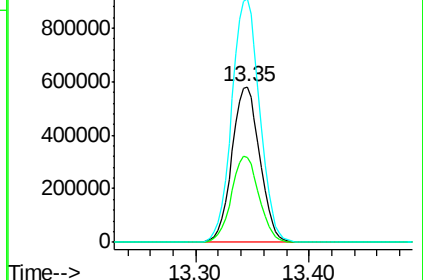
150 156.4 0.0 349.2



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: 34.357 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN054258.D

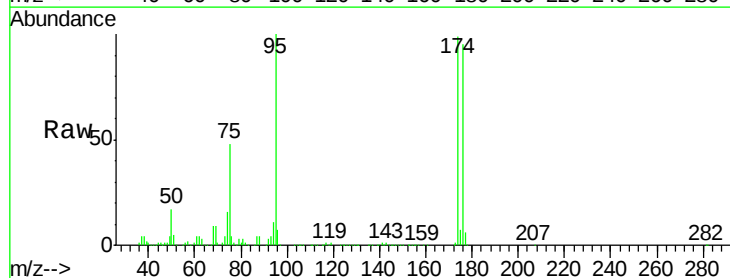
Acq: 14 Mar 2019 13:35

Tgt Ion: 75 Resp: 502894

Ion Ratio Lower Upper

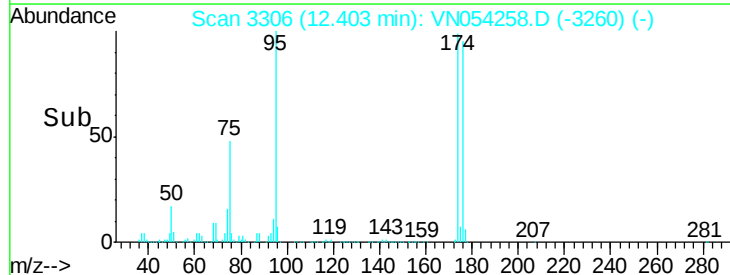
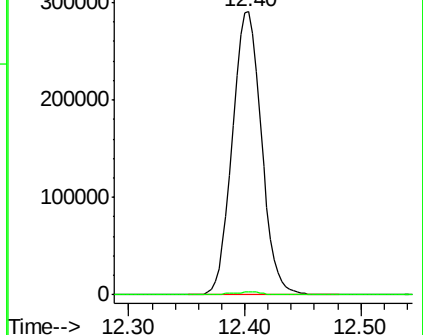
75 100

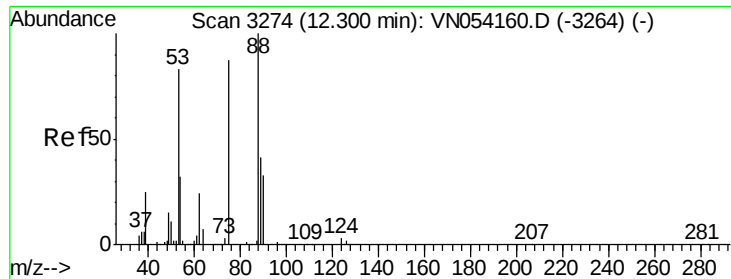
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

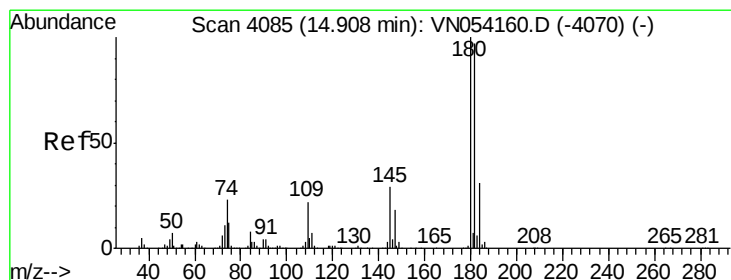
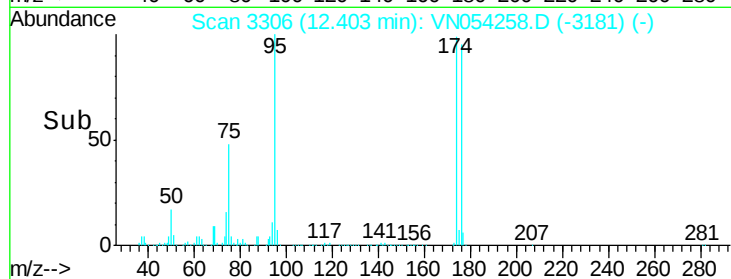
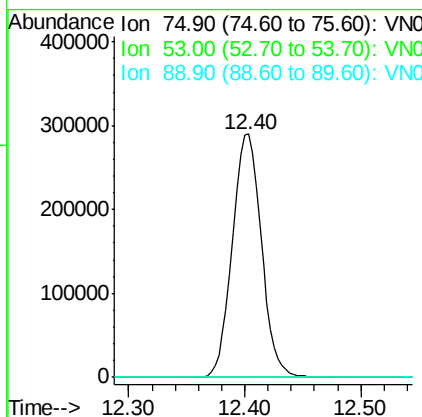
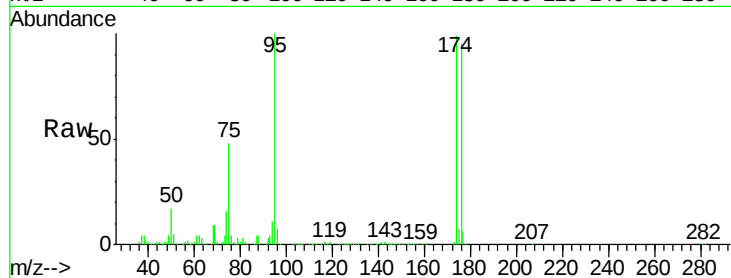




#81
trans-1,4-Dichloro-2-butene
Concen: 117.447 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN054258.D
Acq: 14 Mar 2019 13:35

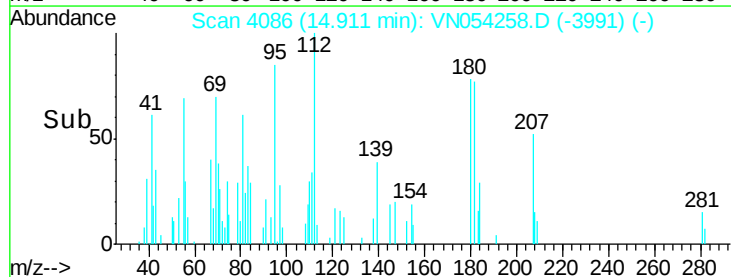
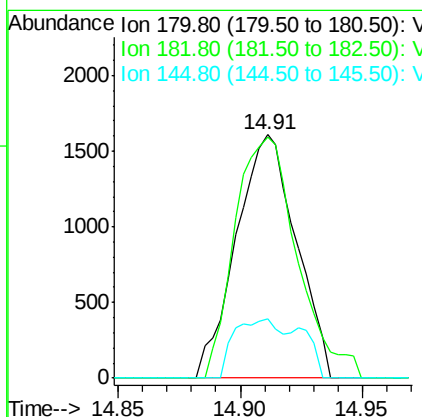
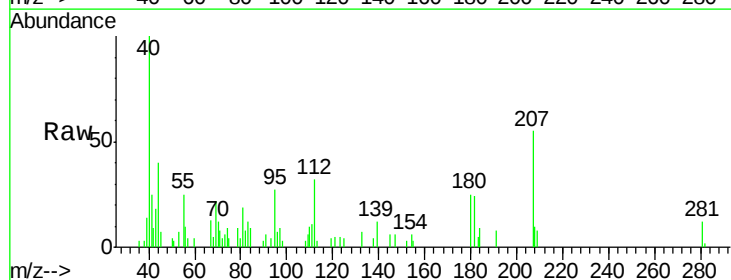
Instrument :
MSVOA_N
ClientSampled :
TB-030819

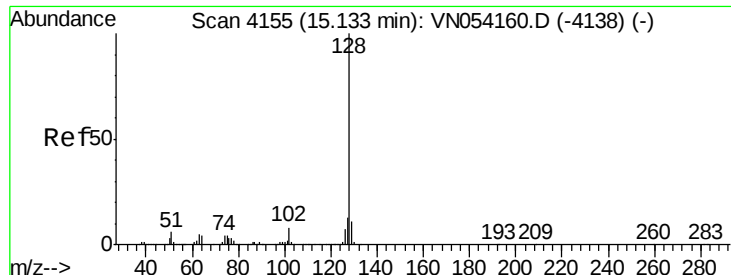
Tot Ion: 75 Resp: 502894
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.2#
89 0.0 39.2 58.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.640 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. 0.00 min
Lab File: VN054258.D
Acq: 14 Mar 2019 13:35

Tgt Ion: 180 Resp: 2729
Ion Ratio Lower Upper
180 100
182 103.7 48.0 144.2
145 18.7 14.2 42.8





#95

Naphthalene

Concen: 3.636 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054258.D

Acq: 14 Mar 2019 13:35

Instrument :

MSVOA_N

ClientSampleId :

TB-030819

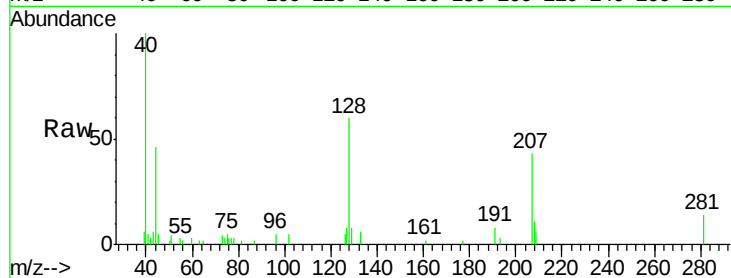
Tot Ion:128 Resp: 7797

Ion Ratio Lower Upper

128 100

127 13.4 10.1 15.1

129 10.4 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

