

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030519\
 Data File : VN054099.D
 Acq On : 5 Mar 2019 15:14
 Operator : JC/SP
 Sample : K1727-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-9

Quant Time: Mar 06 02:21:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	582020	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1062677	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1053456	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	391949	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	371153	54.40	ug/l	0.00
Spiked Amount			Recovery	=	108.80%	
35) Dibromofluoromethane	7.59	113	341711	49.73	ug/l	0.00
Spiked Amount			Recovery	=	99.46%	
50) Toluene-d8	10.09	98	1356910	53.04	ug/l	0.00
Spiked Amount			Recovery	=	106.08%	
62) 4-Bromofluorobenzene	12.40	95	461226	54.12	ug/l	0.00
Spiked Amount			Recovery	=	108.24%	

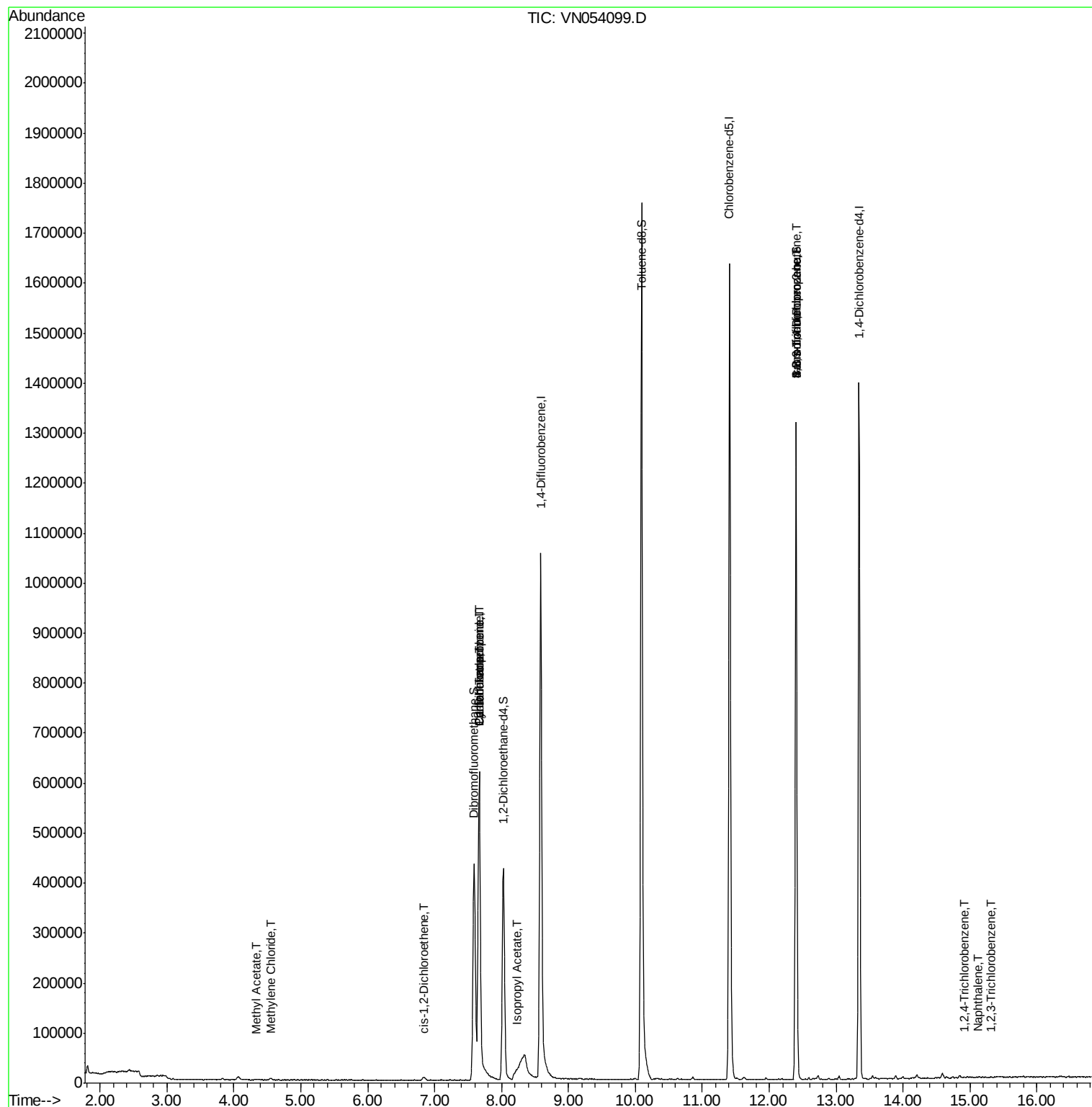
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.83	43	4760	Below Cal	#	85
18) Methyl Acetate	4.33	43	1823	0.382	ug/l #	74
20) Methylene Chloride	4.56	84	1894	0.280	ug/l	92
27) cis-1,2-Dichloroethene	6.84	96	3684	0.533	ug/l	82
31) Cyclohexane	7.67	56	10235	0.533	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	39665	4.014	ug/l #	48
38) Carbon Tetrachloride	7.66	117	49868	4.852	ug/l #	16
43) Isopropyl Acetate	8.22	43	16745	1.405	ug/l #	58
71) Bromoform	12.40	173	3270	0.587	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	223733	35.583	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	223733	112.466	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	166	2.245	ug/l	66
95) Naphthalene	15.13	128	2119	3.340	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.33	180	61	1.566	ug/l #	1

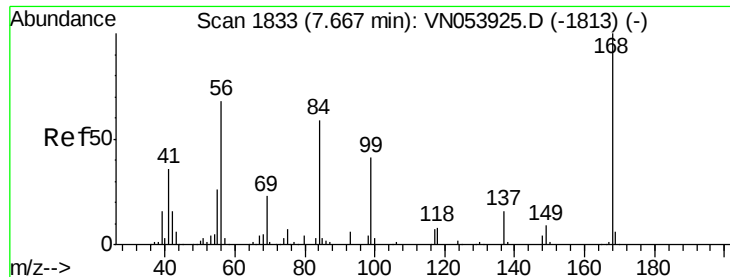
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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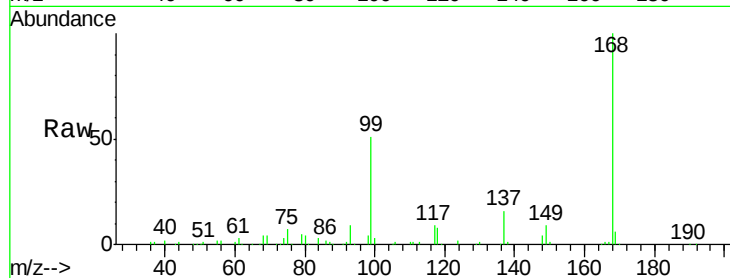


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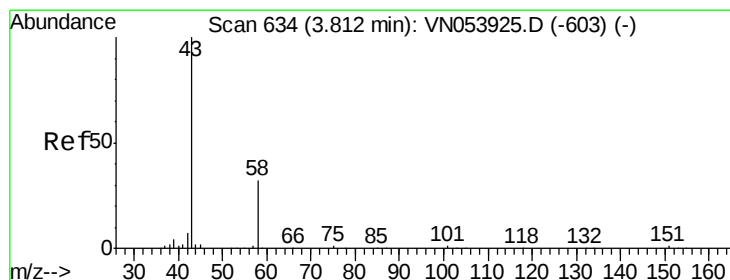
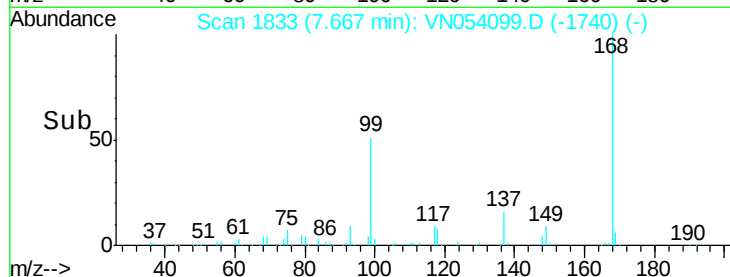
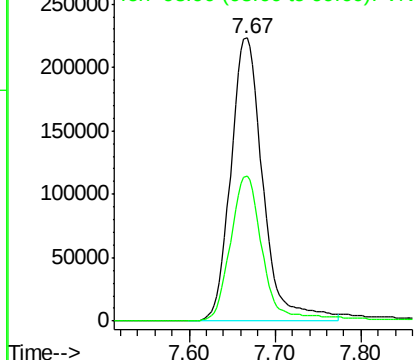
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VN054099.D
 Acq: 5 Mar 2019 15:14

Instrument :
 MSVOA_N
 ClientSampled :
 MW-9

Tot Ion:168 Resp: 582020
 Ion Ratio Lower Upper
 168 100
 99 51.2 36.9 55.3



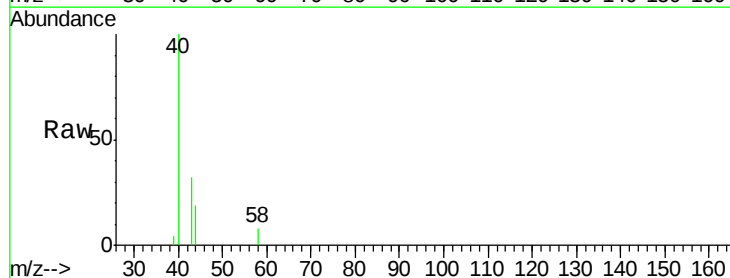
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.90 (98.60 to 99.60): VNO



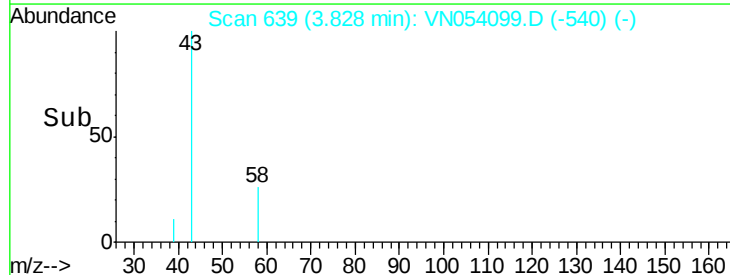
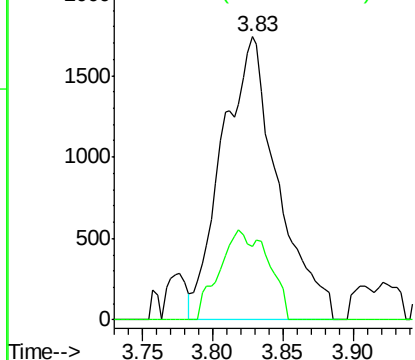
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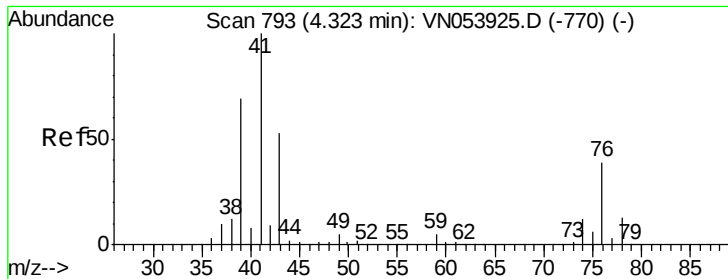
Acetone
 Concen: Below Cal
 RT: 3.83 min Scan# 639
 Delta R.T. 0.02 min
 Lab File: VN054099.D
 Acq: 5 Mar 2019 15:14

Tgt Ion: 43 Resp: 4760
 Ion Ratio Lower Upper
 43 100
 58 25.9 27.6 41.4#



Abundance Ion 43.00 (42.70 to 43.70): VNO
 Ion 58.00 (57.70 to 58.70): VNO

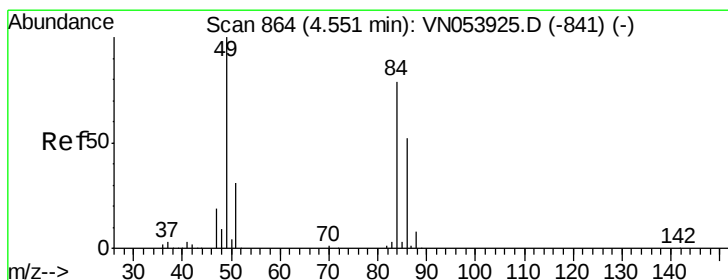
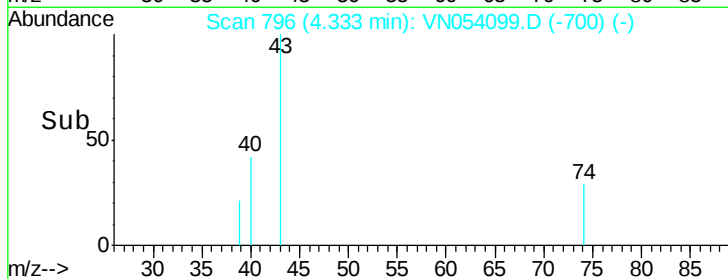
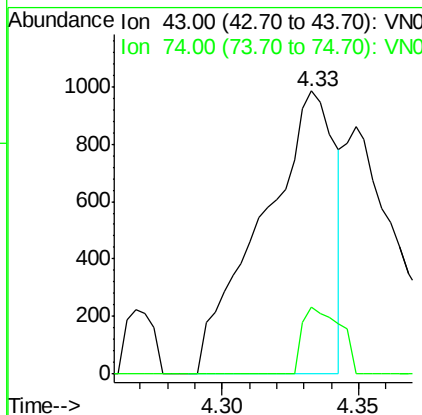
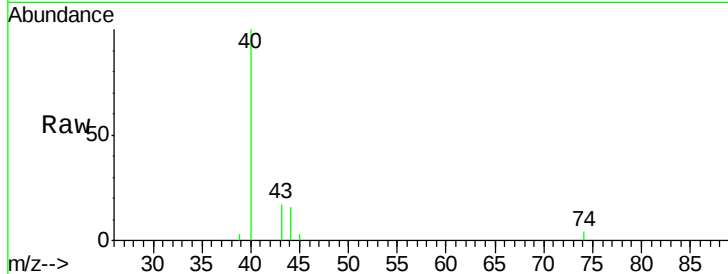




#18
Methyl Acetate
Concen: 0.382 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN054099.D
Acq: 5 Mar 2019 15:14

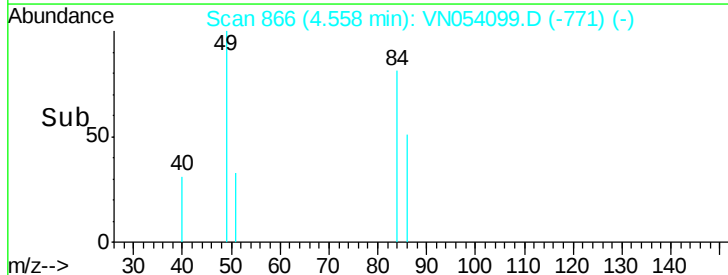
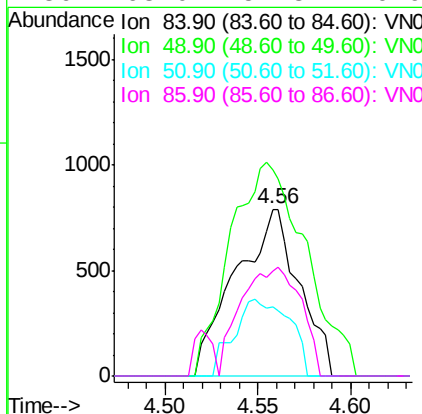
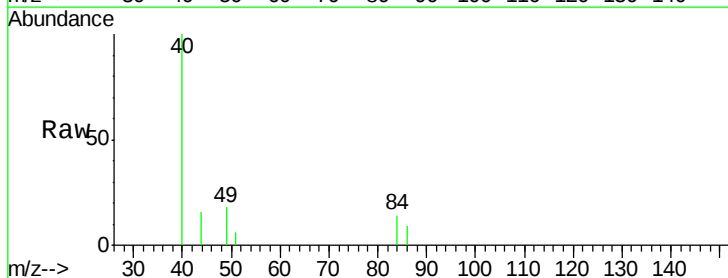
Instrument :
MSVOA_N
ClientSampled :
MW-9

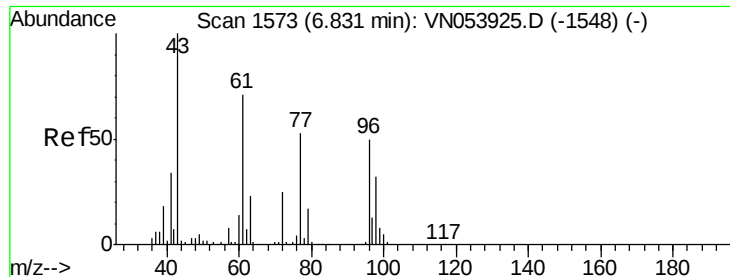
Tot Ion: 43 Resp: 1823
Ion Ratio Lower Upper
43 100
74 12.2 20.5 30.7#



#20
Methylene Chloride
Concen: 0.280 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN054099.D
Acq: 5 Mar 2019 15:14

Tgt Ion: 84 Resp: 1894
Ion Ratio Lower Upper
84 100
49 123.7 89.7 134.5
51 41.2 27.8 41.8
86 63.0 51.3 76.9





#27

cis-1,2-Dichloroethene

Concen: 0.533 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VN054099.D

Acq: 5 Mar 2019 15:14

Instrument :

MSVOA_N

ClientSampled :

MW-9

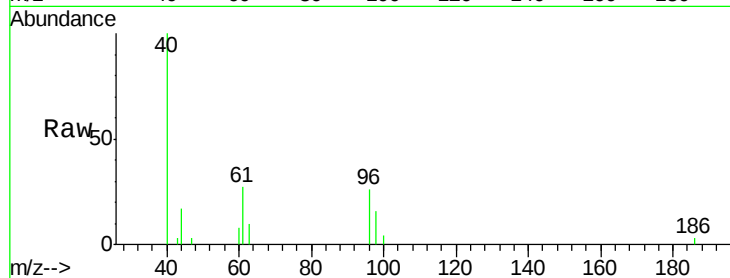
Tot Ion: 96 Resp: 3684

Ion Ratio Lower Upper

96 100

61 129.0 0.0 275.6

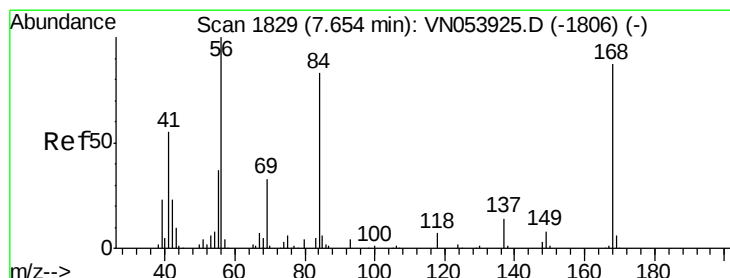
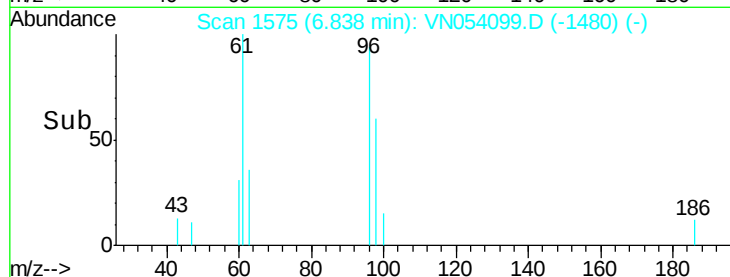
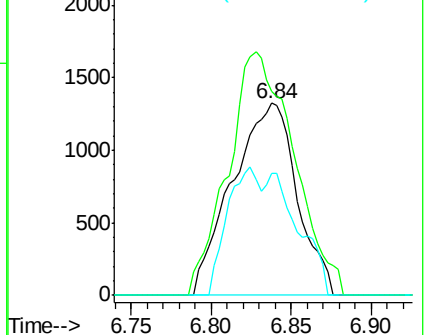
98 33.7 0.0 130.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#31

Cyclohexane

Concen: 0.533 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN054099.D

Acq: 5 Mar 2019 15:14

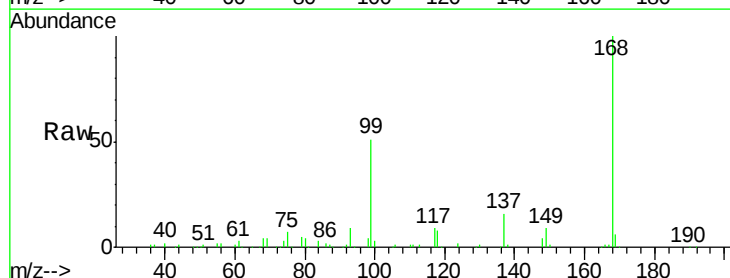
Tgt Ion: 56 Resp: 10235

Ion Ratio Lower Upper

56 100

69 179.9 26.0 39.0#

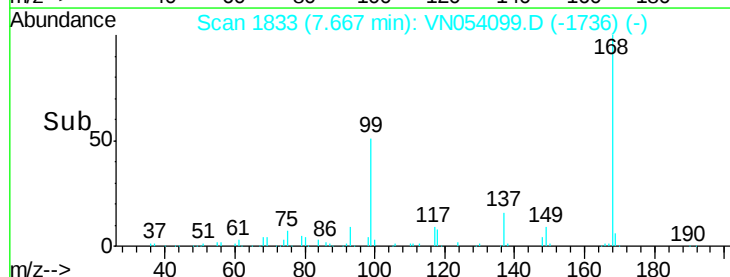
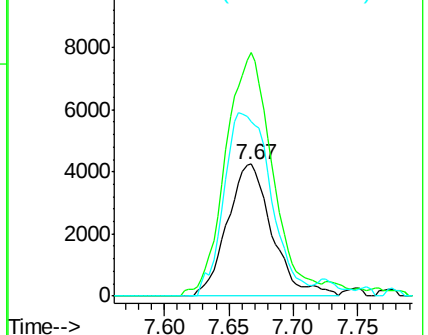
84 132.4 69.1 103.7#

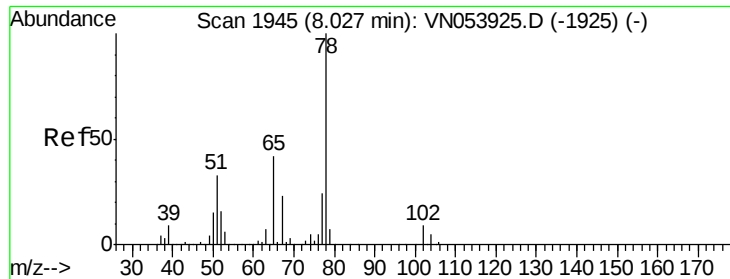


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

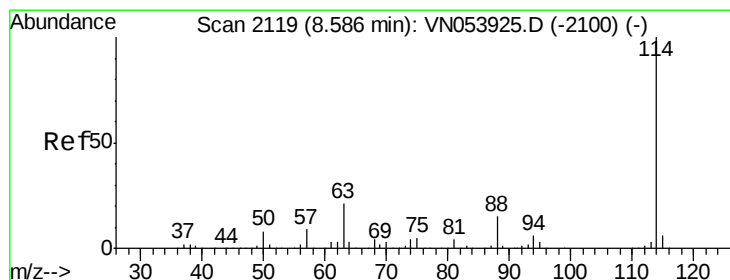
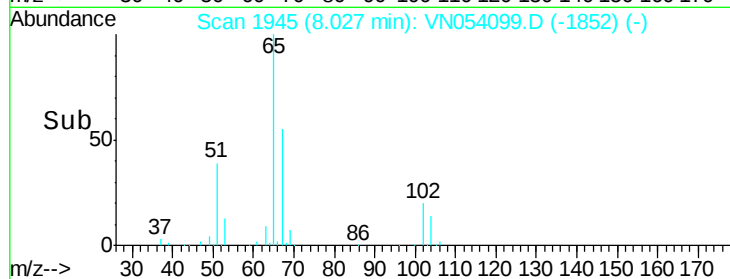
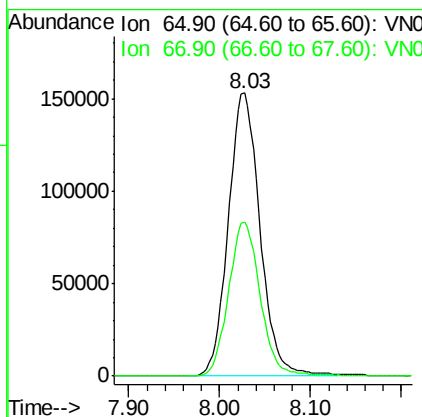
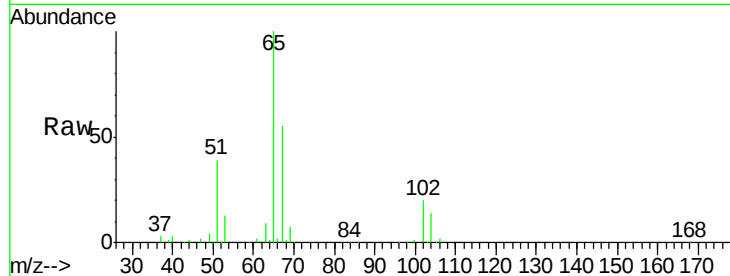




#33
 1,2-Dichloroethane-d4
 Concen: 54.401 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054099.D
 Acq: 5 Mar 2019 15:14

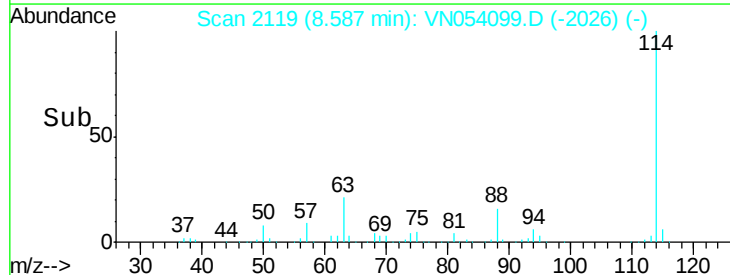
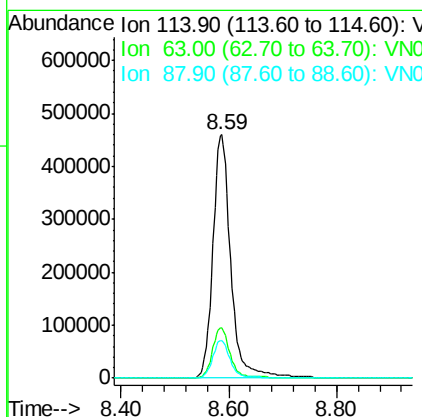
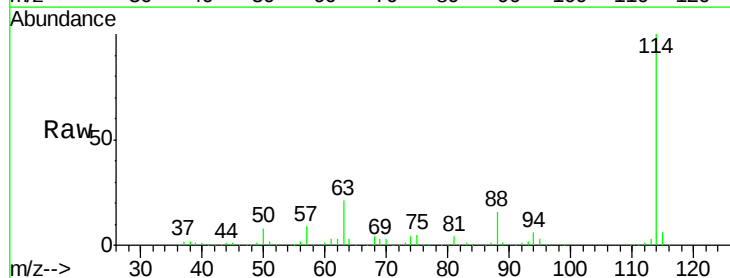
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-9

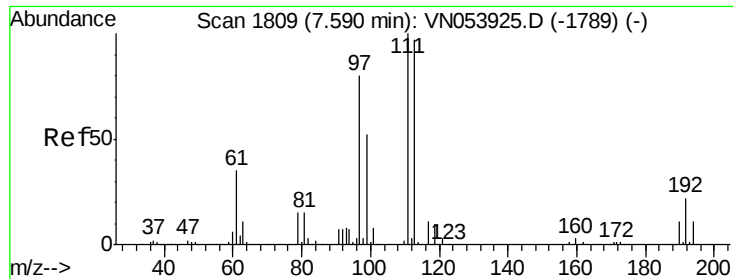
Tot Ion: 65 Resp: 371153
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 111.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054099.D
 Acq: 5 Mar 2019 15:14

Tgt Ion: 114 Resp: 1062677
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 37.4
 88 15.6 0.0 30.4

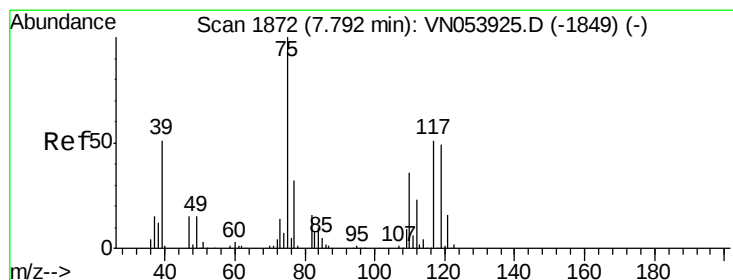
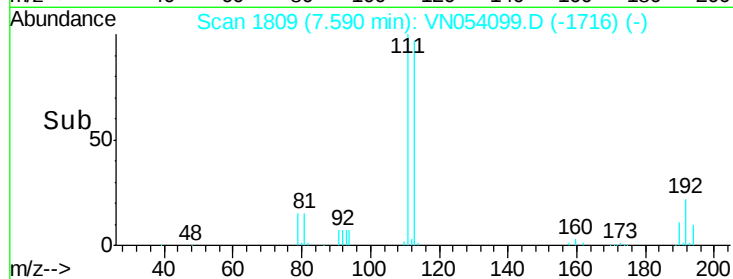
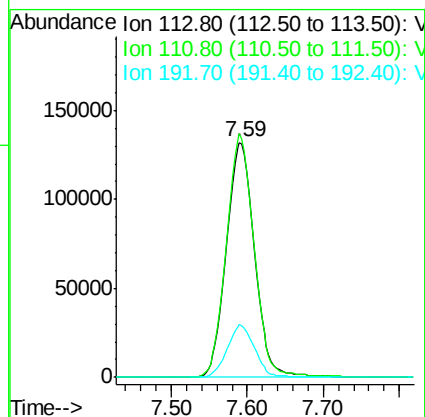
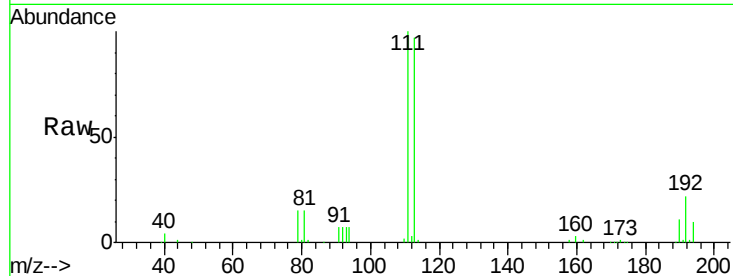




#35
 Dibromofluoromethane
 Concen: 49.726 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054099.D
 Acq: 5 Mar 2019 15:14

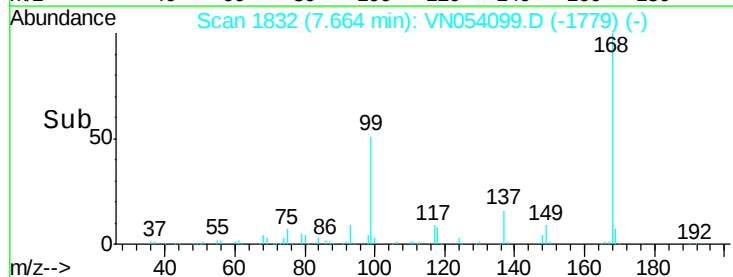
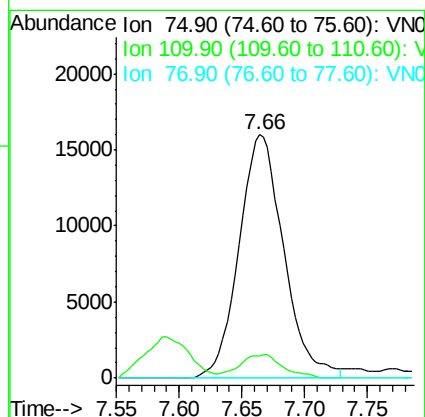
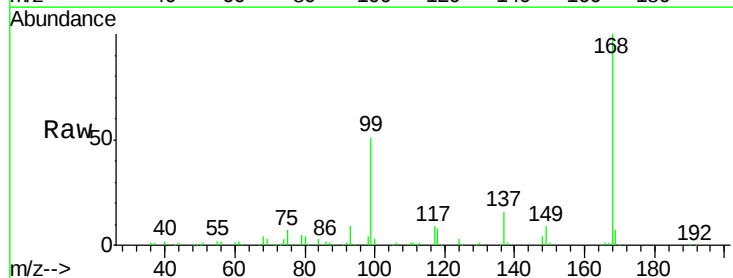
Instrument :
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 ClientSampled :
 MW-9

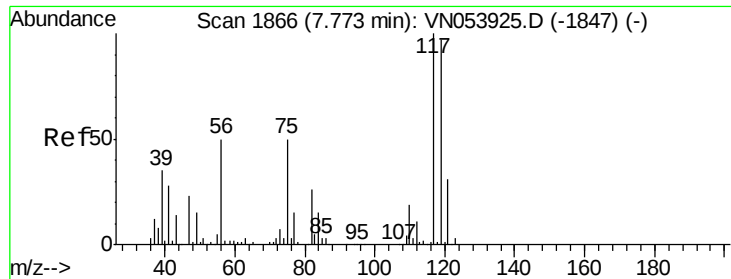
Tot Ion:113 Resp: 341711
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.1 121.7
 192 21.6 18.8 28.2



#36
 1,1-Dichloropropene
 Concen: 4.014 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054099.D
 Acq: 5 Mar 2019 15:14

Tgt Ion: 75 Resp: 39665
 Ion Ratio Lower Upper
 75 100
 110 9.3 19.0 57.0#
 77 0.0 25.4 38.0#

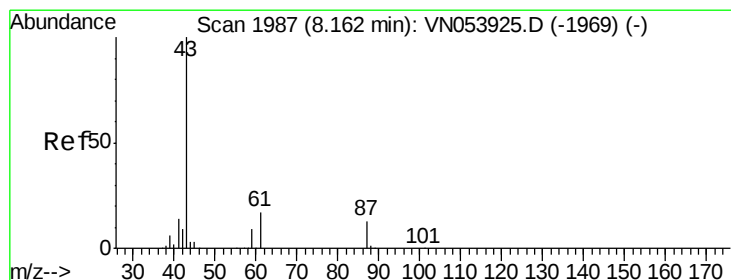
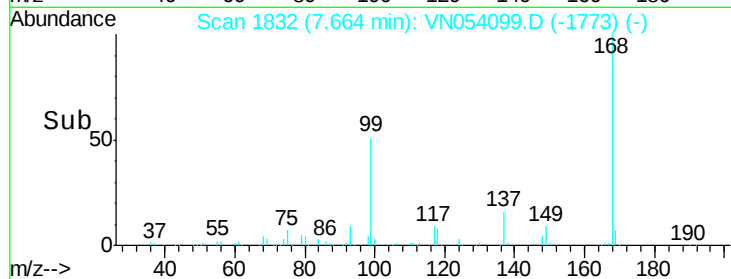
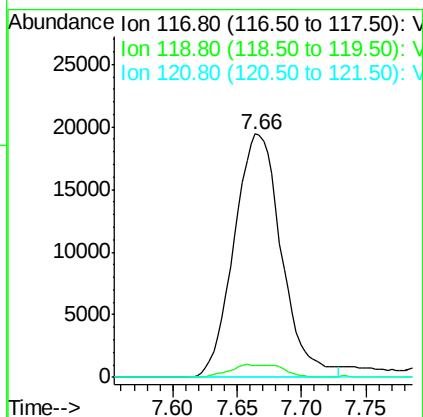
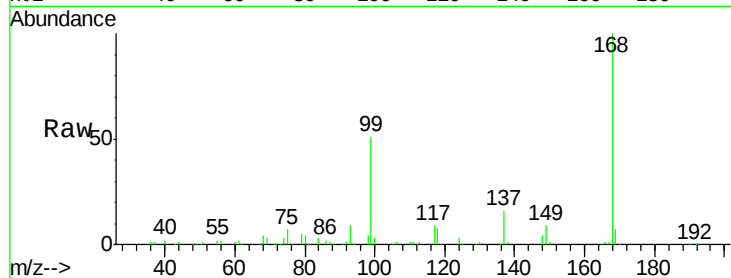




#38
Carbon Tetrachloride
Concen: 4.852 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN054099.D
Acq: 5 Mar 2019 15:14

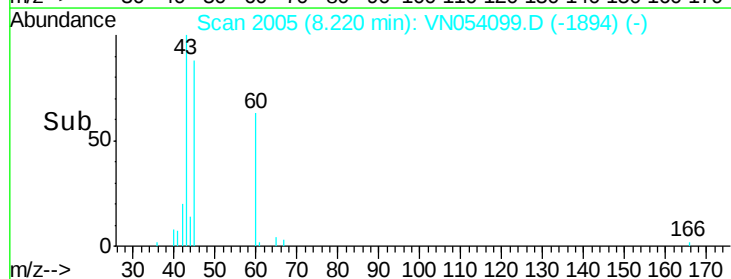
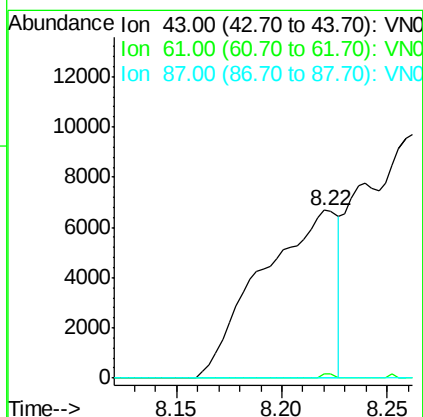
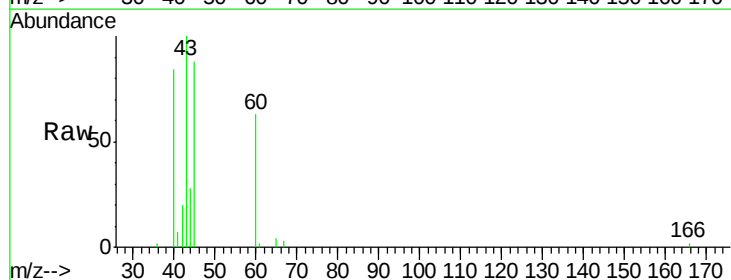
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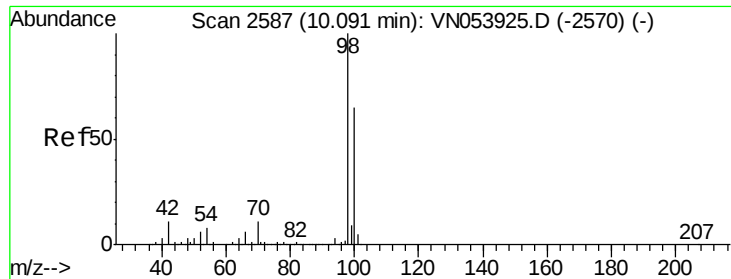
Tot Ion:117 Resp: 49868
Ion Ratio Lower Upper
117 100
119 4.7 76.2 114.2#
121 0.0 24.6 36.8#



#43
Isopropyl Acetate
Concen: 1.405 ug/l
RT: 8.22 min Scan# 2005
Delta R.T. 0.06 min
Lab File: VN054099.D
Acq: 5 Mar 2019 15:14

Tgt Ion: 43 Resp: 16745
Ion Ratio Lower Upper
43 100
61 0.0 17.4 26.0#
87 0.0 11.5 17.3#





#50

Toluene-d8

Concen: 53.044 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054099.D

Acq: 5 Mar 2019 15:14

Instrument :

MSVOA_N

ClientSampled :

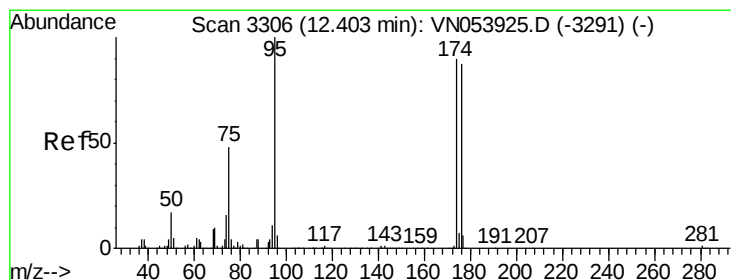
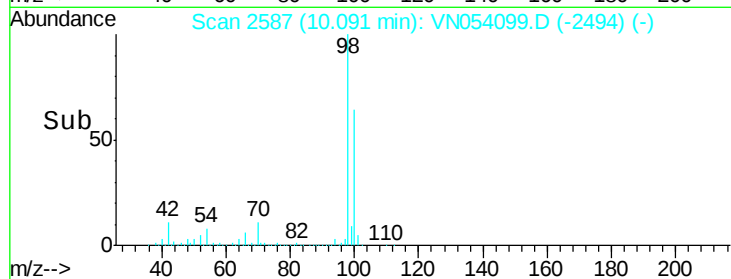
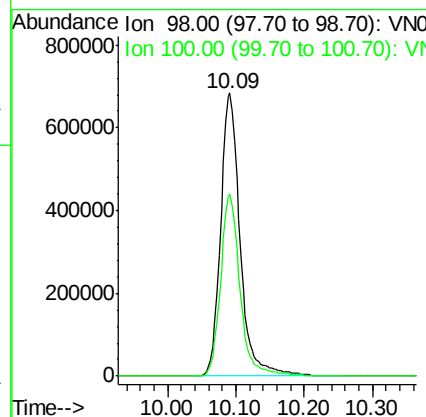
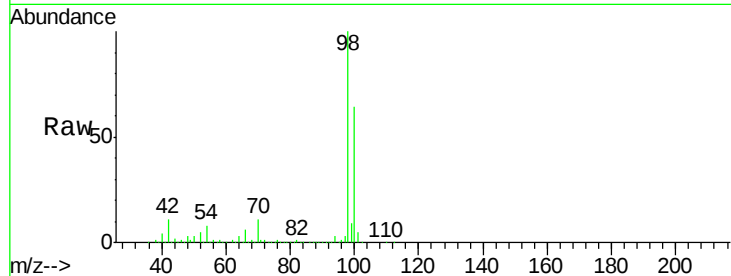
MW-9

Tot Ion: 98 Resp: 1356910

Ion Ratio Lower Upper

98 100

100 64.0 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 54.116 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054099.D

Acq: 5 Mar 2019 15:14

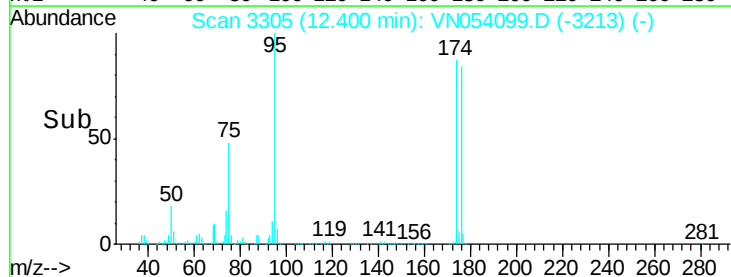
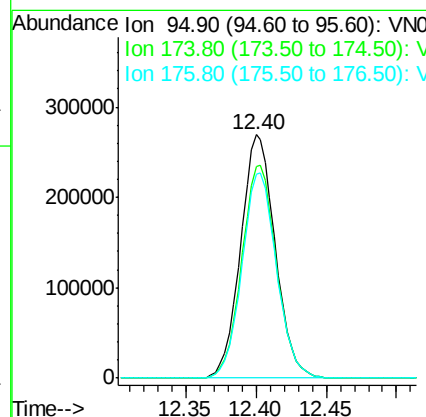
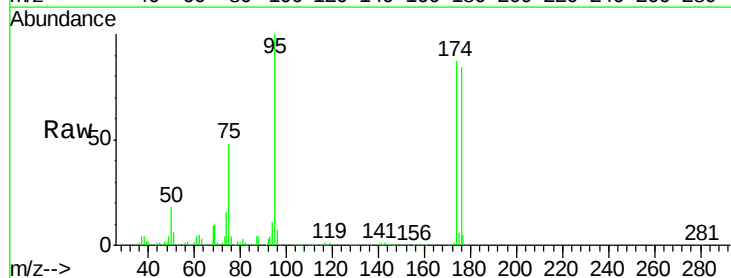
Tgt Ion: 95 Resp: 461226

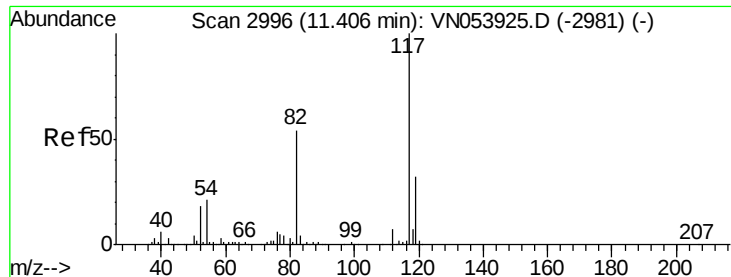
Ion Ratio Lower Upper

95 100

174 88.1 0.0 188.8

176 84.7 0.0 182.6

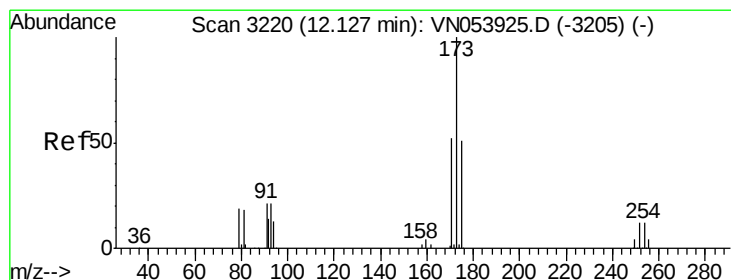
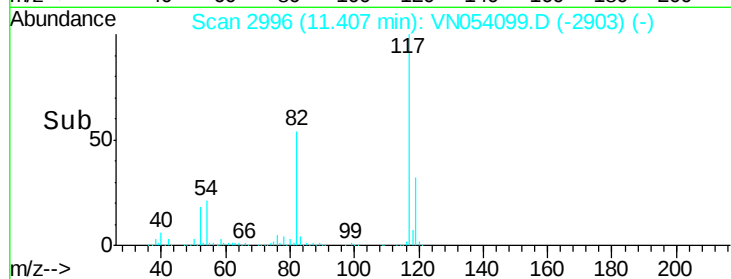
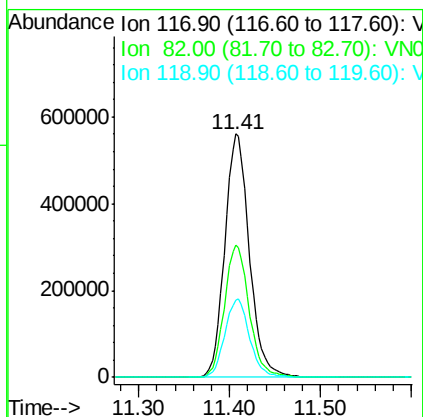
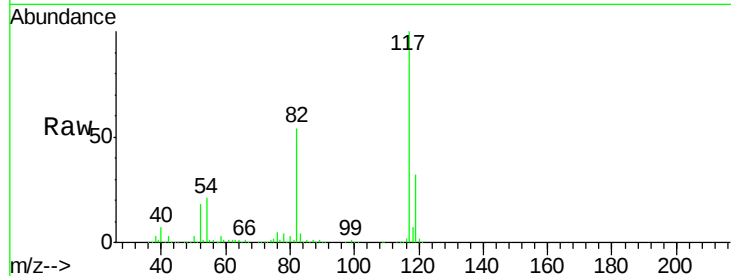




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054099.D
Acq: 5 Mar 2019 15:14

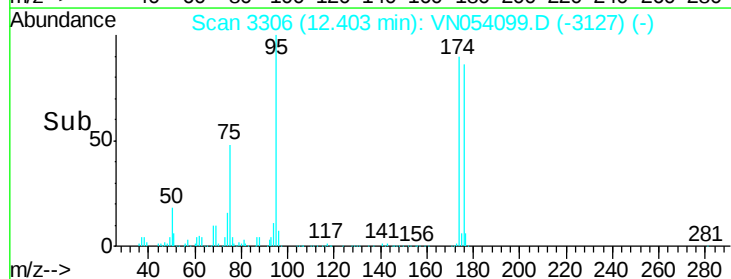
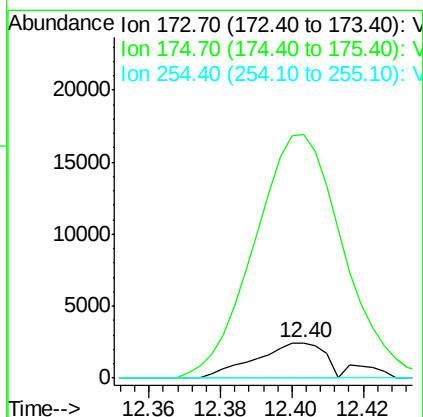
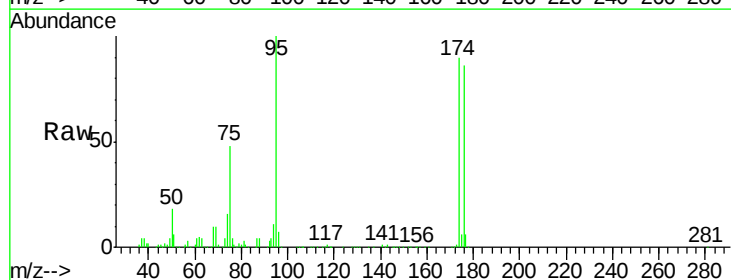
Instrument :
MSVOA_N
ClientSampled :
MW-9

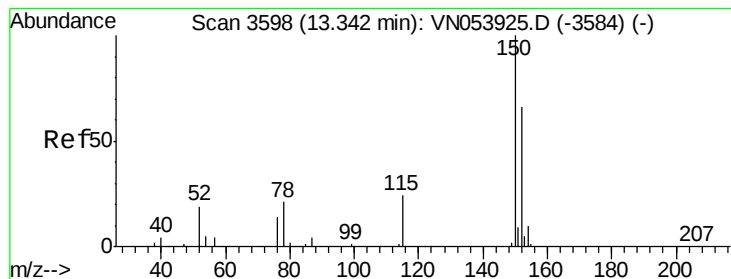
Tot Ion:117 Resp: 1053456
Ion Ratio Lower Upper
117 100
82 54.4 41.4 62.2
119 32.0 25.3 37.9



#71
Bromoform
Concen: 0.587 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN054099.D
Acq: 5 Mar 2019 15:14

Tgt Ion:173 Resp: 3270
Ion Ratio Lower Upper
173 100
175 766.9 24.3 72.8#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054099.D

Acq: 5 Mar 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

MW-9

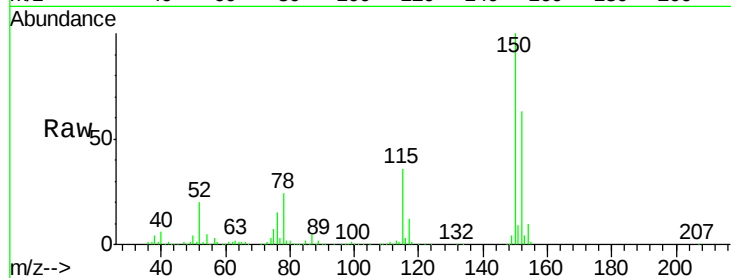
Tot Ion:152 Resp: 391949

Ion Ratio Lower Upper

152 100

115 57.0 27.2 81.6

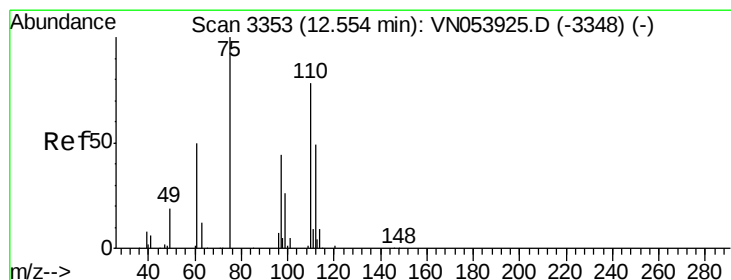
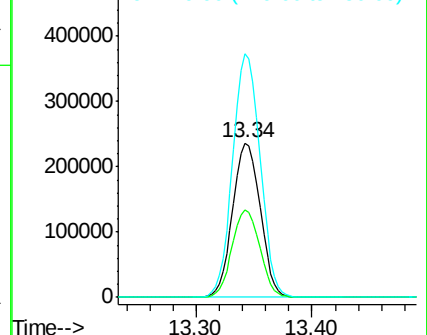
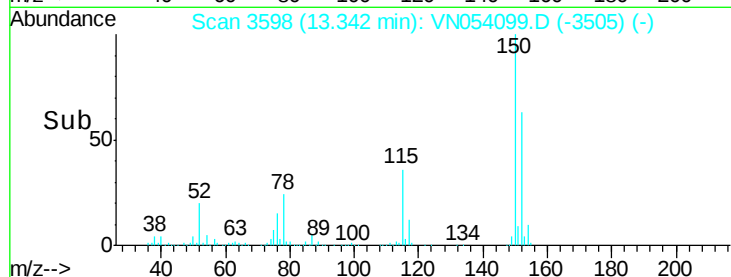
150 156.6 0.0 348.2



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: 35.583 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054099.D

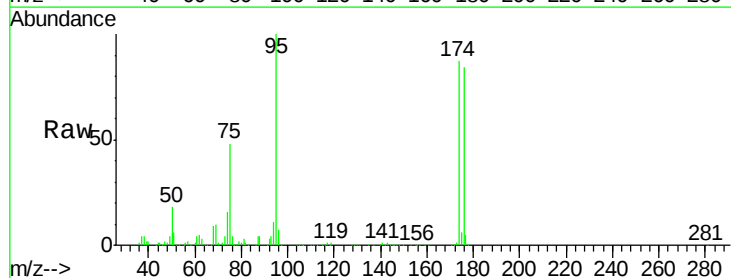
Acq: 5 Mar 2019 15:14

Tgt Ion: 75 Resp: 223733

Ion Ratio Lower Upper

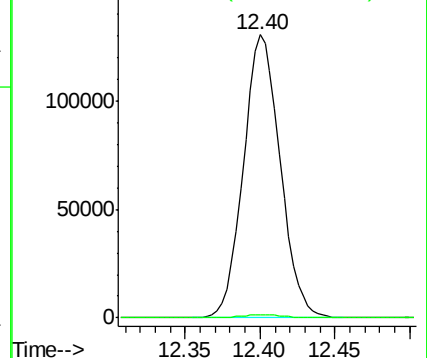
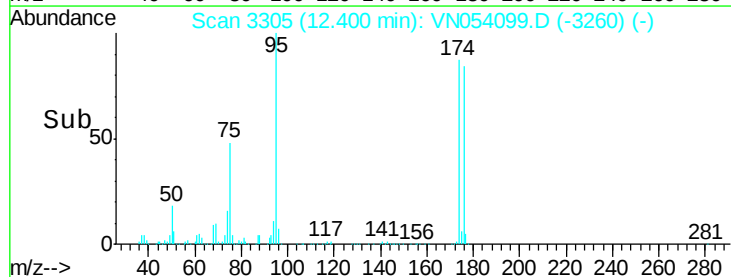
75 100

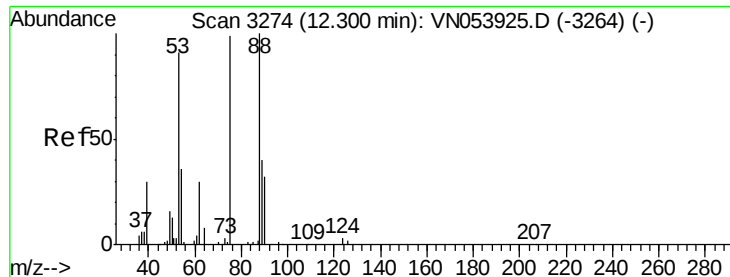
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

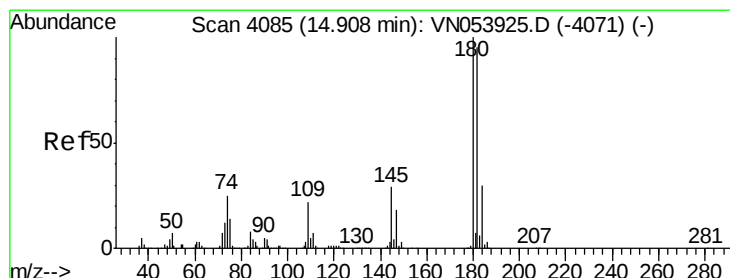
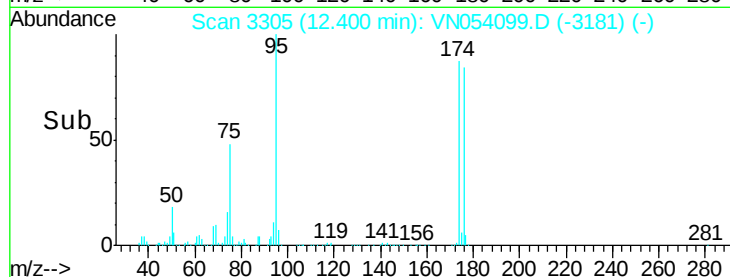
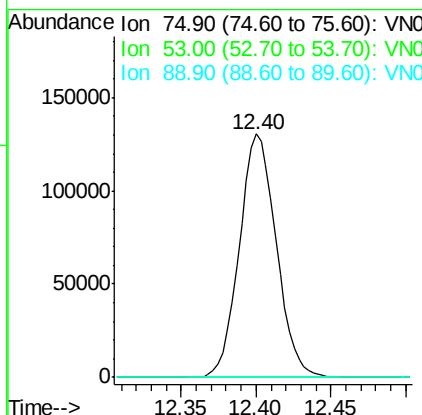
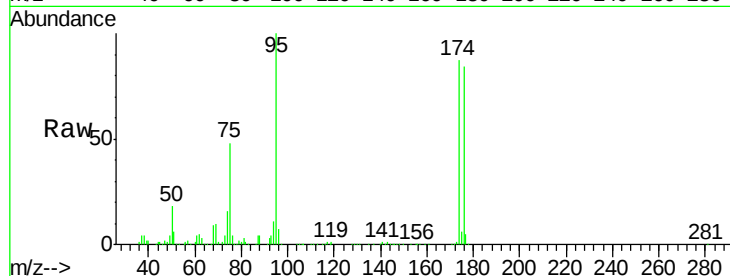




#81
trans-1,4-Dichloro-2-butene
Concen: 112.466 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN054099.D
Acq: 5 Mar 2019 15:14

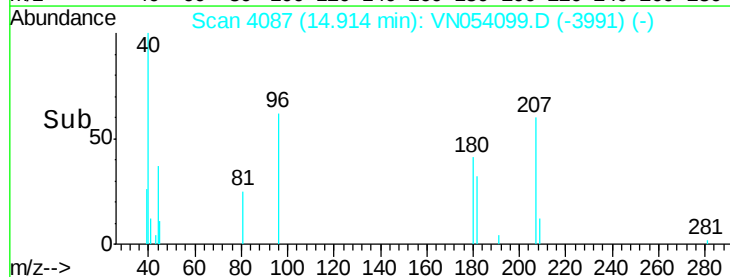
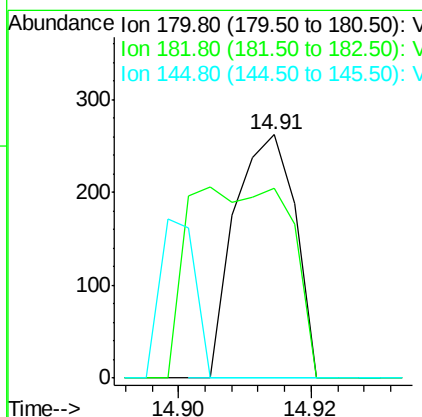
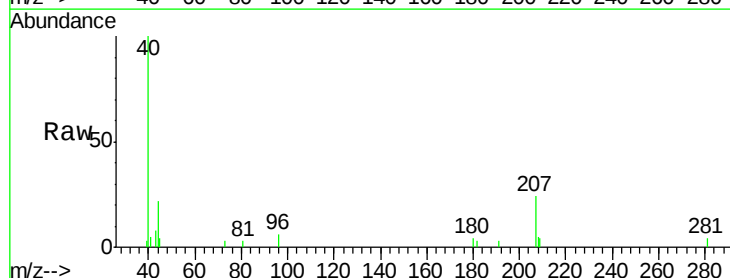
Instrument :
MSVOA_N
ClientSampleId :
MW-9

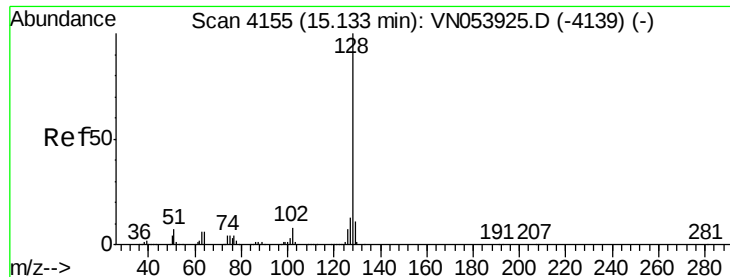
Tot Ion: 75 Resp: 223733
Ion Ratio Lower Upper
75 100
53 0.0 68.6 102.8#
89 0.0 35.3 52.9#



#93
1,2,4-Trichlorobenzene
Concen: 2.245 ug/l
RT: 14.91 min Scan# 4087
Delta R.T. 0.01 min
Lab File: VN054099.D
Acq: 5 Mar 2019 15:14

Tgt Ion: 180 Resp: 166
Ion Ratio Lower Upper
180 100
182 134.3 48.6 145.9
145 38.6 13.8 41.3





#95

Naphthalene

Concen: 3.340 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054099.D

Acq: 5 Mar 2019 15:14

Instrument :

MSVOA_N

ClientSampled :

MW-9

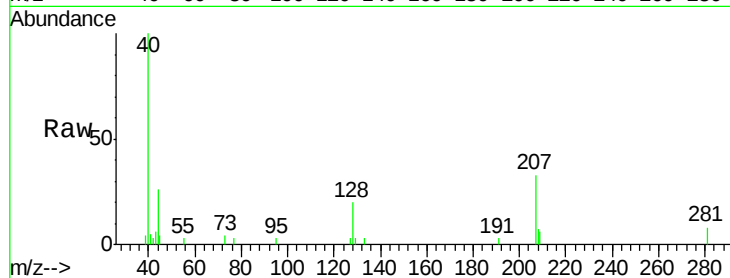
Tot Ion:128 Resp: 2119

Ion Ratio Lower Upper

128 100

127 10.1 10.2 15.2#

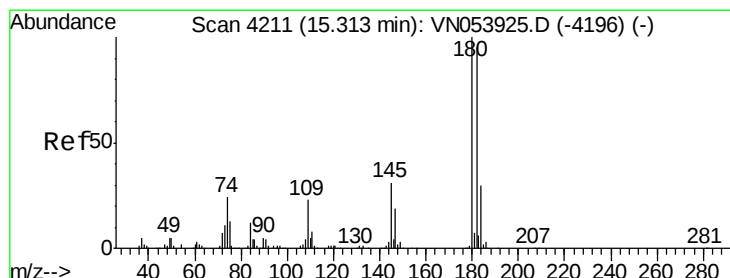
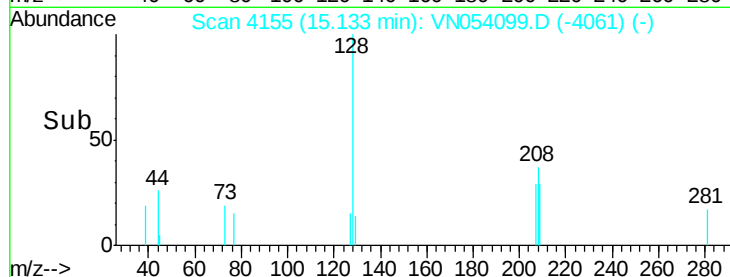
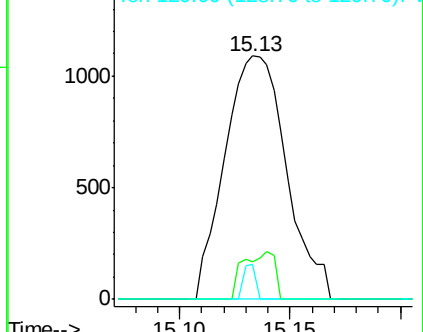
129 2.8 8.6 12.8#



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



#96

1,2,3-Trichlorobenzene

Concen: 1.566 ug/l

RT: 15.33 min Scan# 4215

Delta R.T. 0.01 min

Lab File: VN054099.D

Acq: 5 Mar 2019 15:14

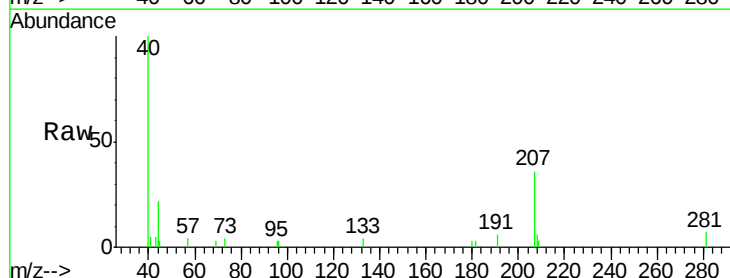
Tgt Ion:180 Resp: 61

Ion Ratio Lower Upper

180 100

182 337.7 47.3 141.8#

145 0.0 14.4 43.0#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

