

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041719\
 Data File : VN055093.D
 Acq On : 17 Apr 2019 9:34
 Operator : JC/SP
 Sample : VN0417MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 18 03:00:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	531960	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	848356	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	695962	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	208490	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	332986	47.09	ug/l	0.00
Spiked Amount			Recovery	=	94.18%	
35) Dibromofluoromethane	7.59	113	275214	48.54	ug/l	0.00
Spiked Amount			Recovery	=	97.08%	
50) Toluene-d8	10.09	98	1015377	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	
62) 4-Bromofluorobenzene	12.40	95	284269	43.09	ug/l	0.00
Spiked Amount			Recovery	=	86.18%	

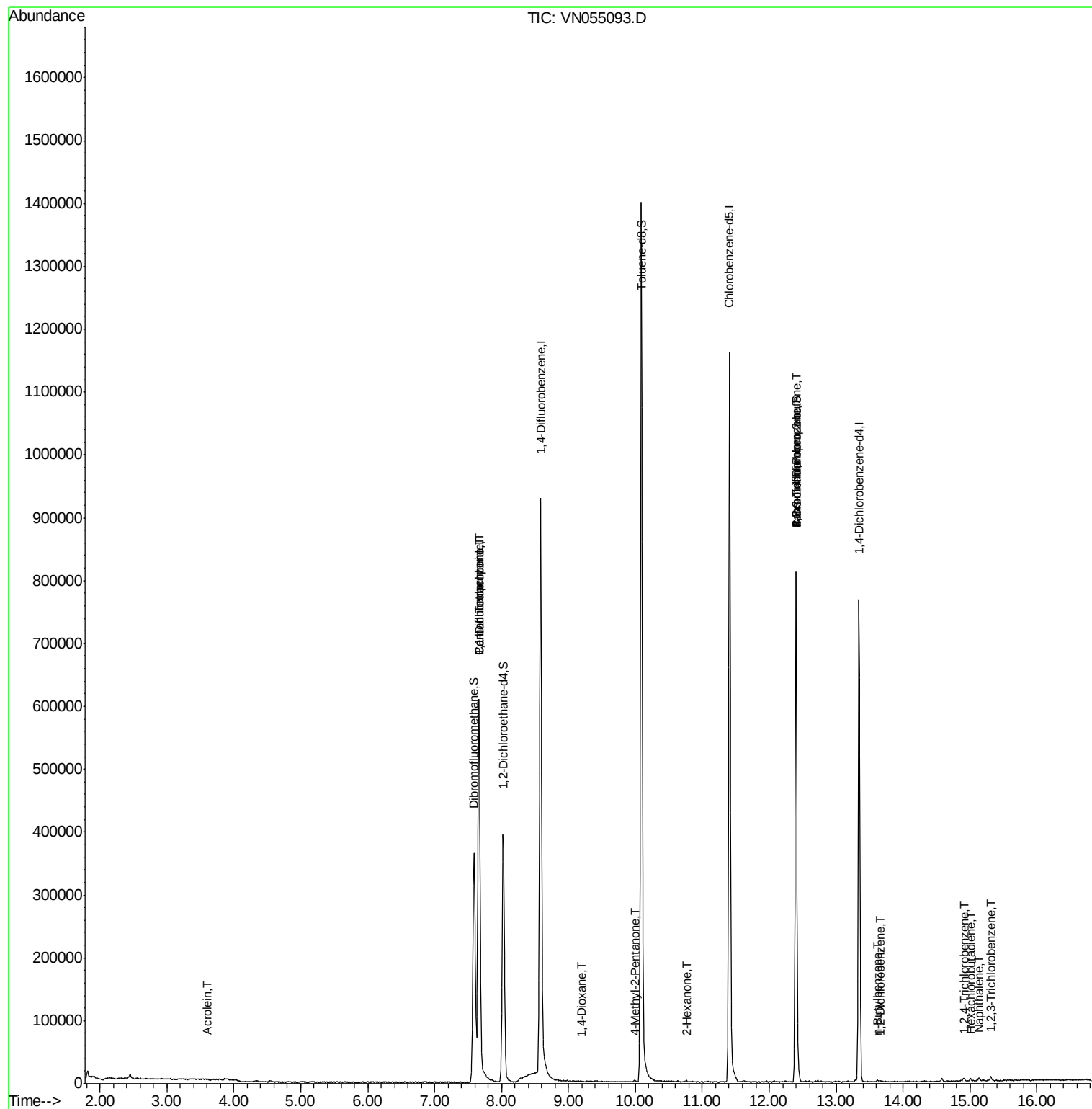
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.62	56	123	0.257	ug/l #	1
31) Cyclohexane	7.74	56	357	Below Cal		86
36) 1,1-Dichloropropene	7.66	75	40866	5.110	ug/l #	46
38) Carbon Tetrachloride	7.66	117	49974	6.568	ug/l #	17
49) 1,4-Dioxane	9.20	88	34	0.730	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	1985	0.342	ug/l #	87
59) 2-Hexanone	10.75	43	2098	0.576	ug/l	91
71) Bromoform	12.40	173	3154	1.068	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	142532	38.017	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	142532	152.025	ug/l #	2
89) n-Butylbenzene	13.62	91	2160	0.211	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	1425	0.202	ug/l #	63
93) 1,2,4-Trichlorobenzene	14.91	180	1711	3.184	ug/l	84
94) Hexachlorobutadiene	15.01	225	1002	0.460	ug/l	94
95) Naphthalene	15.13	128	4415	3.634	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.31	180	2357	0.866	ug/l	94

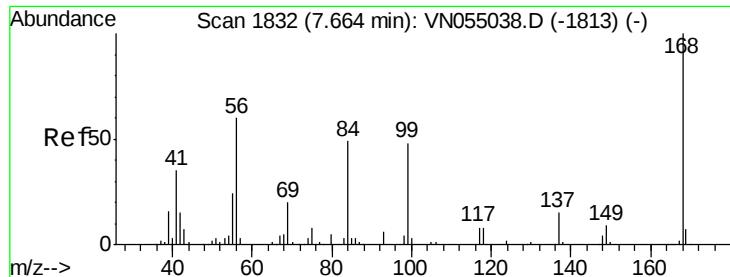
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN041719\
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Quant Time: Apr 18 03:00:06 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
Quant Title : SW846 8260
QLast Update : Mon Apr 15 12:28:28 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055093.D

Acq: 17 Apr 2019 9:34

Instrument :

MSVOA_N

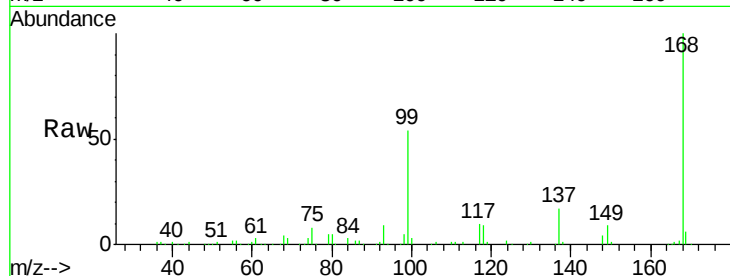
ClientSampled :

Tot Ion:168 Resp: 531960

Ion Ratio Lower Upper

168 100

99 53.9 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

250000

200000

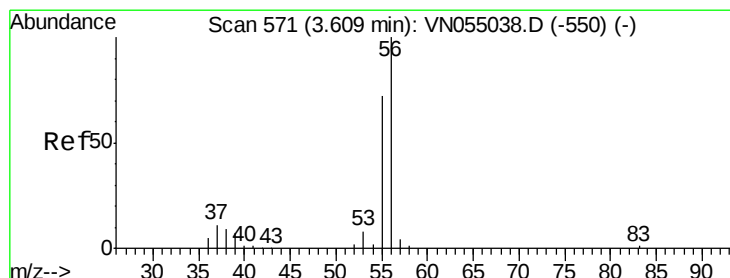
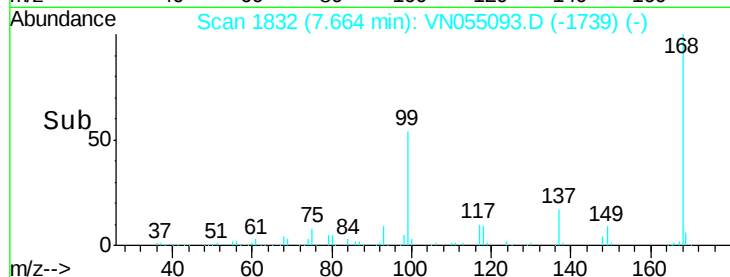
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 0.257 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN055093.D

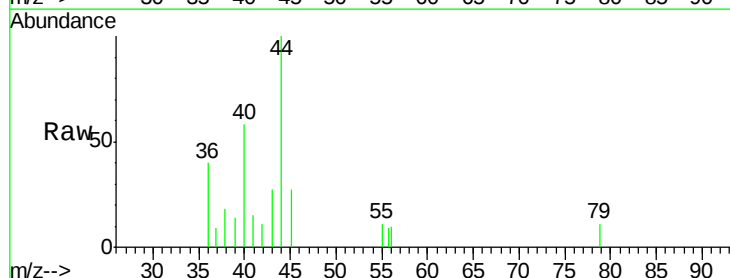
Acq: 17 Apr 2019 9:34

Tgt Ion: 56 Resp: 123

Ion Ratio Lower Upper

56 100

55 284.6 59.5 89.3#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.62

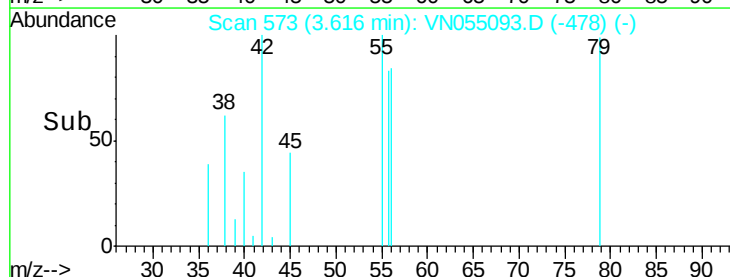
300

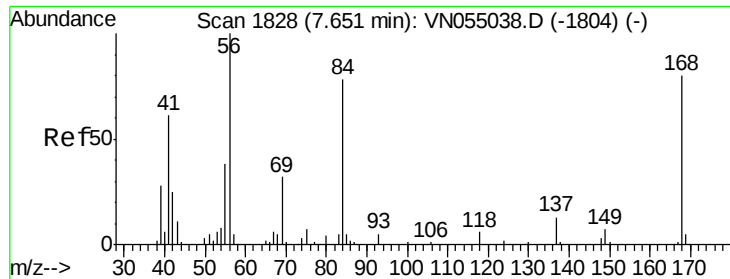
200

100

0

Time-->

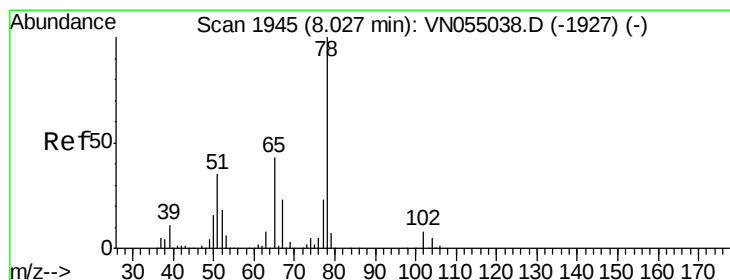
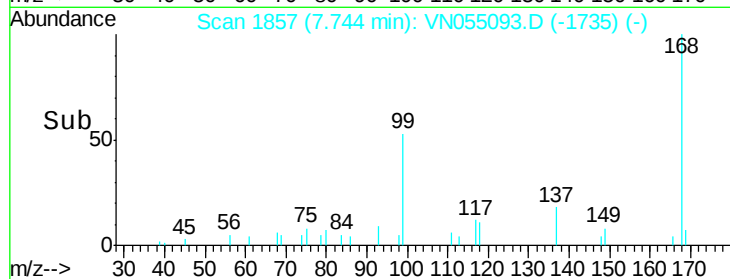
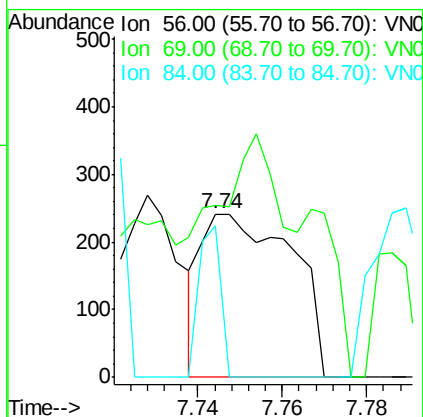
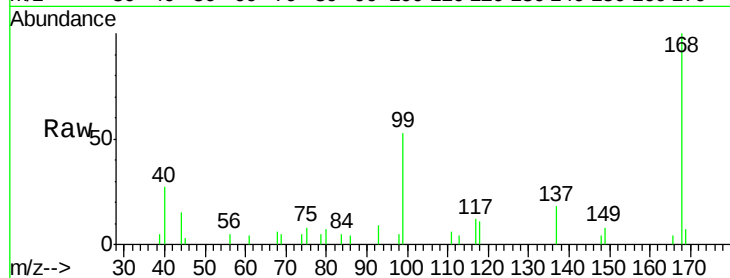




#31
Cyclohexane
Concen: Below Cal
RT: 7.74 min Scan# 1857
Delta R.T. 0.09 min
Lab File: VN055093.D
Acq: 17 Apr 2019 9:34

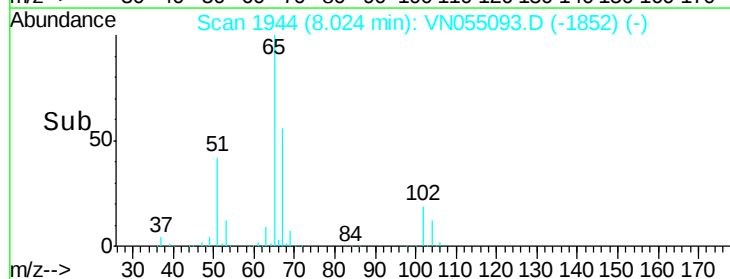
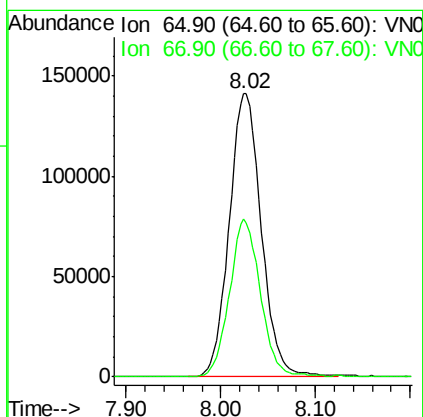
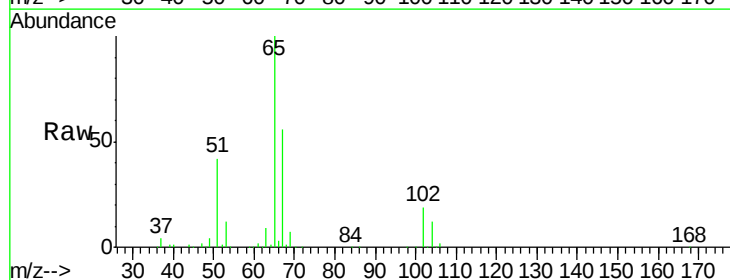
Instrument :
MSVOA_N
ClientSampled :

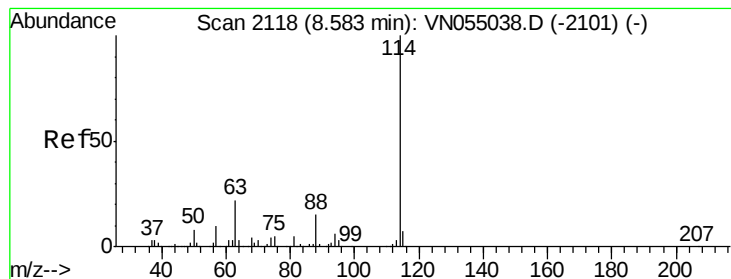
Tot Ion: 56 Resp: 357
Ion Ratio Lower Upper
56 100
69 35.3 24.5 36.7
84 92.5 62.9 94.3



#33
1,2-Dichloroethane-d4
Concen: 47.091 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN055093.D
Acq: 17 Apr 2019 9:34

Tgt Ion: 65 Resp: 332986
Ion Ratio Lower Upper
65 100
67 53.6 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN055093.D

Acq: 17 Apr 2019 9:34

Instrument :

MSVOA_N

ClientSampled :

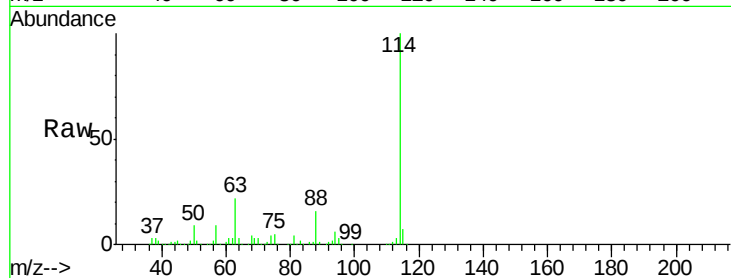
Tot Ion:114 Resp: 848356

Ion Ratio Lower Upper

114 100

63 22.4 0.0 45.2

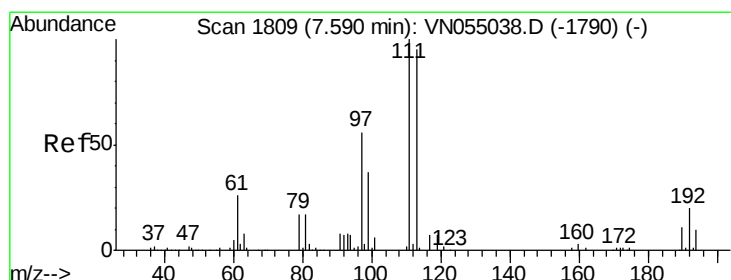
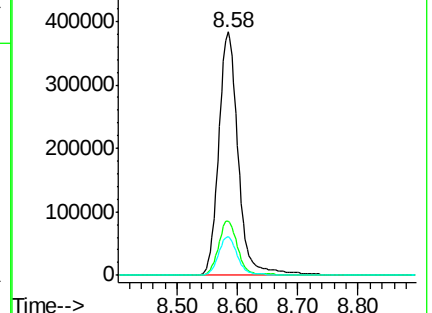
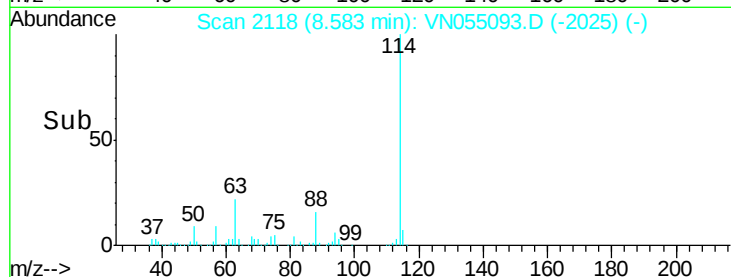
88 15.7 0.0 31.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 48.542 ug/l

RT: 7.59 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VN055093.D

Acq: 17 Apr 2019 9:34

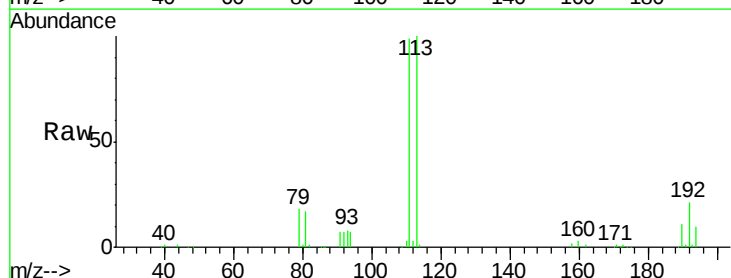
Tgt Ion:113 Resp: 275214

Ion Ratio Lower Upper

113 100

111 101.2 82.1 123.1

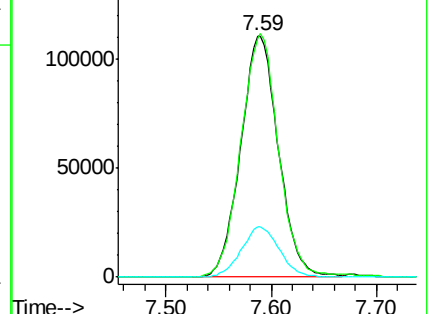
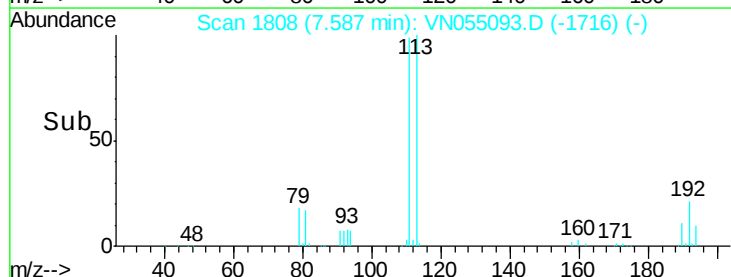
192 21.0 16.5 24.7

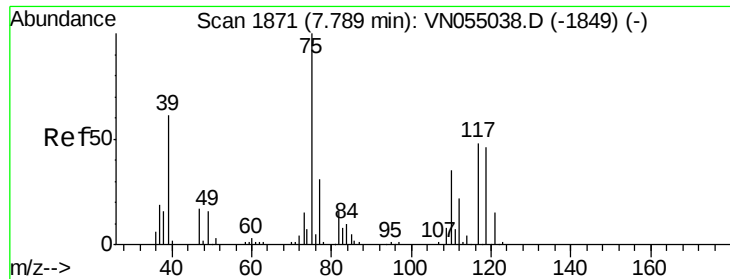


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.110 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN055093.D

Acq: 17 Apr 2019 9:34

Instrument :

MSVOA_N

ClientSampleId :

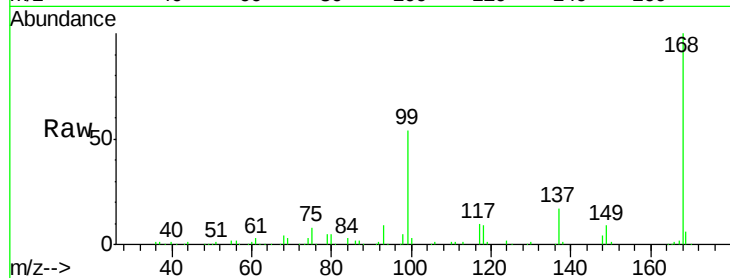
Tot Ion: 75 Resp: 40866

Ion Ratio Lower Upper

75 100

110 4.8 17.5 52.5#

77 0.0 24.9 37.3#

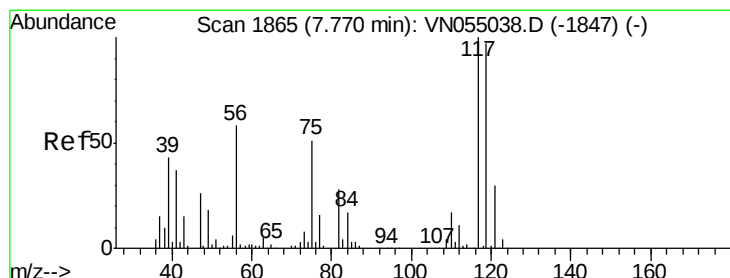
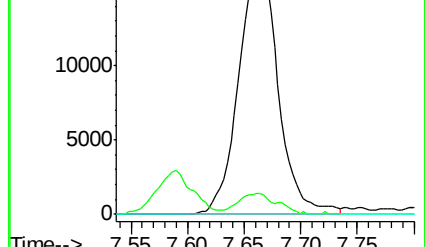
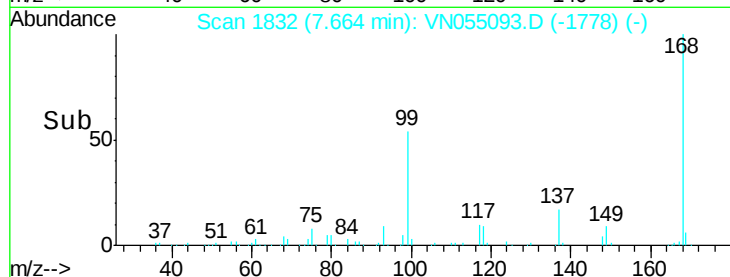


Abundance Ion 74.90 (74.60 to 75.60): VN055093.D (-1778) (-)

Ion 109.90 (109.60 to 110.60): VN055093.D (-1778) (-)

Ion 76.90 (76.60 to 77.60): VN055093.D (-1778) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.568 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN055093.D

Acq: 17 Apr 2019 9:34

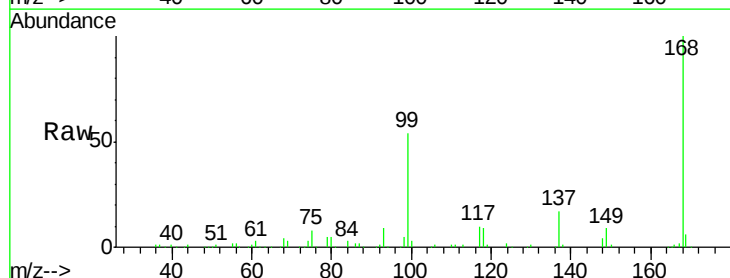
Tgt Ion: 117 Resp: 49974

Ion Ratio Lower Upper

117 100

119 6.3 76.3 114.5#

121 0.0 23.9 35.9#

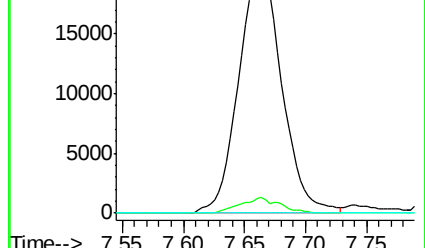
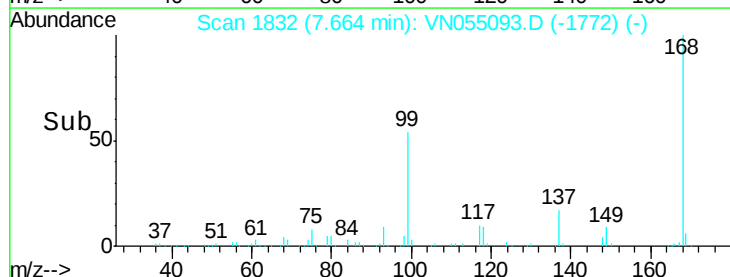


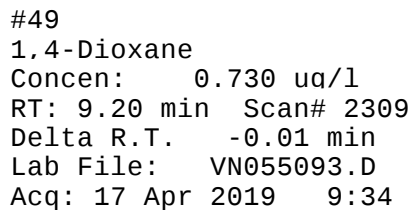
Abundance Ion 116.80 (116.50 to 117.50): VN055093.D (-1772) (-)

Ion 118.80 (118.50 to 119.50): VN055093.D (-1772) (-)

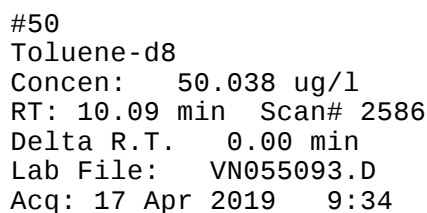
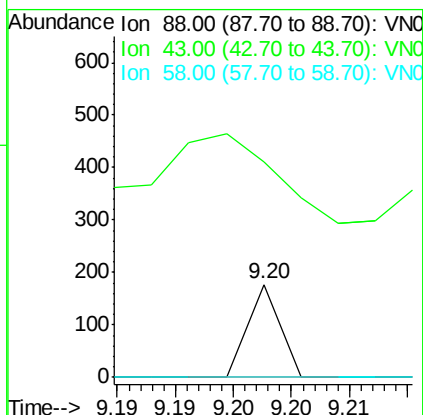
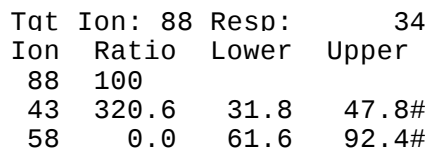
Ion 120.80 (120.50 to 121.50): VN055093.D (-1772) (-)

Time-->

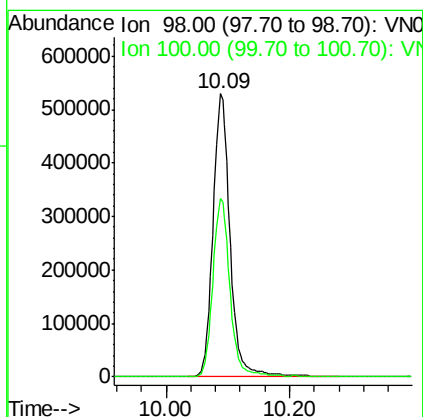


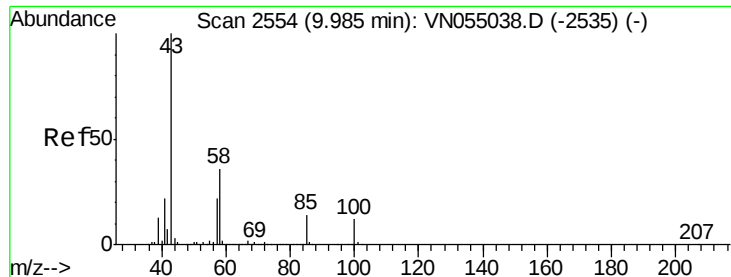


Instrument :
MSVOA_N
ClientSampleId :



Tgt	Ion: 98	Resp: 1015377	
Ion	Ratio	Lower	Upper
98	100		
100	62.8	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 0.342 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN055093.D

Acq: 17 Apr 2019 9:34

Instrument :

MSVOA_N

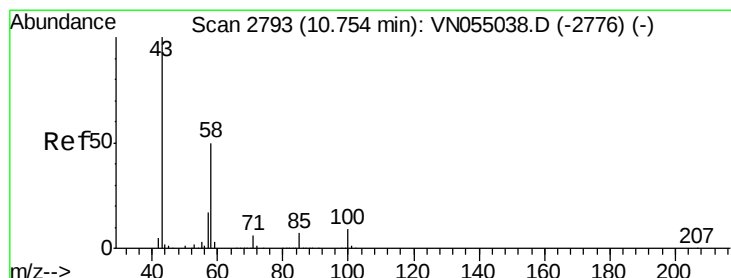
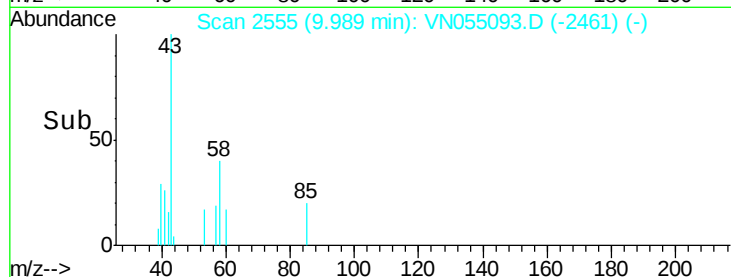
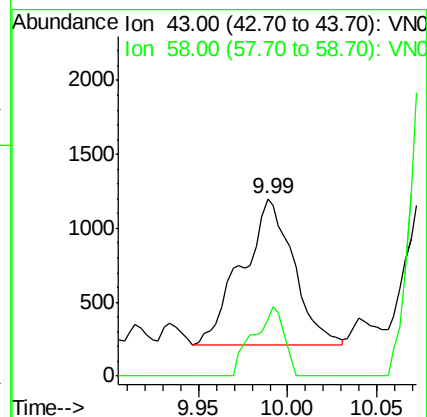
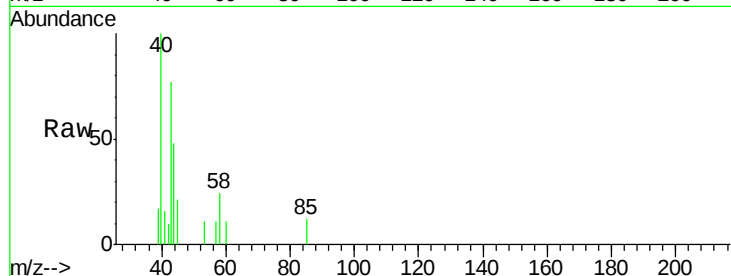
ClientSampled :

Tot Ion: 43 Resp: 1985

Ion Ratio Lower Upper

43 100

58 28.8 29.0 43.4#



#59

2-Hexanone

Concen: 0.576 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN055093.D

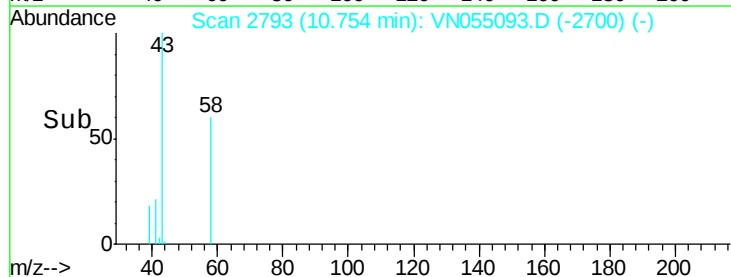
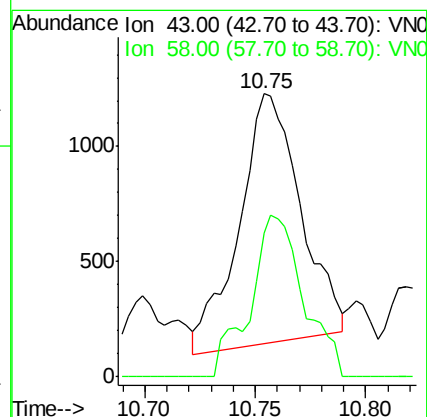
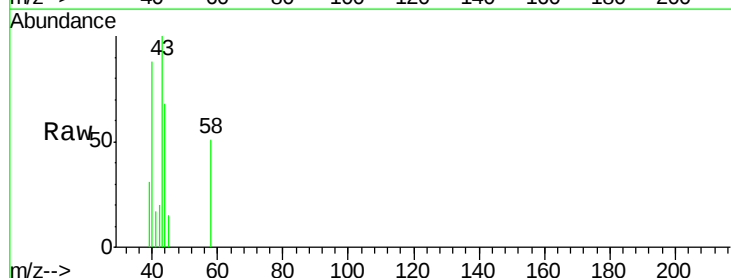
Acq: 17 Apr 2019 9:34

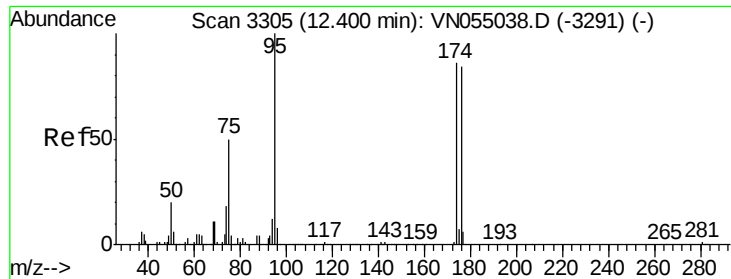
Tgt Ion: 43 Resp: 2098

Ion Ratio Lower Upper

43 100

58 56.0 25.1 75.2





#62

4-Bromofluorobenzene

Concen: 43.091 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055093.D

Acq: 17 Apr 2019 9:34

Instrument :

MSVOA_N

ClientSampleId :

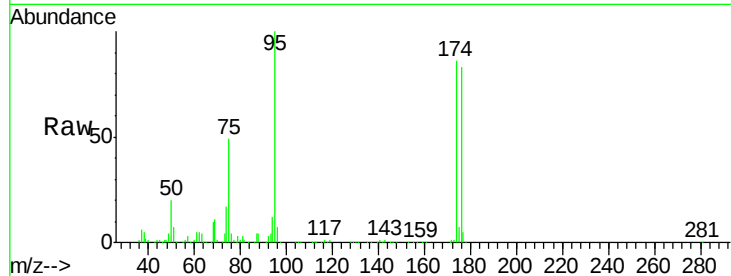
Tot Ion: 95 Resp: 284269

Ion Ratio Lower Upper

95 100

174 86.1 0.0 174.4

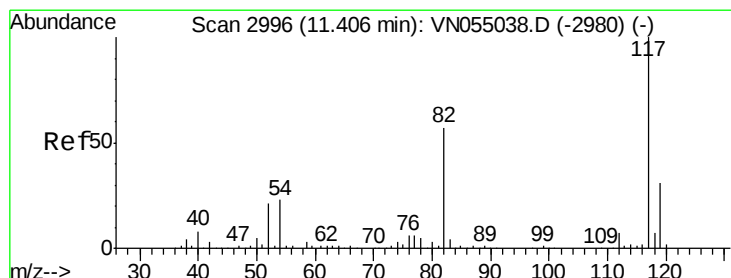
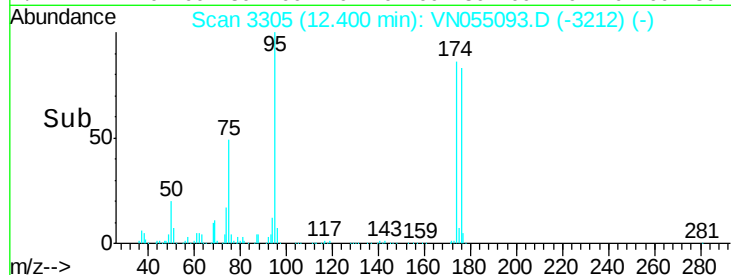
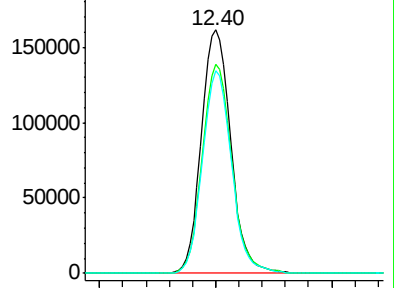
176 82.1 0.0 166.8



Abundance Ion 94.90 (94.60 to 95.60): VN055093.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN055093.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN055093.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055093.D

Acq: 17 Apr 2019 9:34

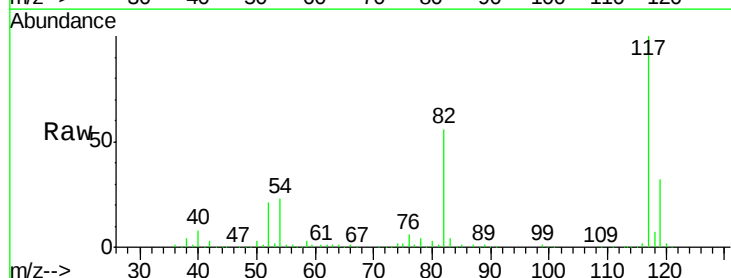
Tgt Ion: 117 Resp: 695962

Ion Ratio Lower Upper

117 100

82 55.7 44.6 66.8

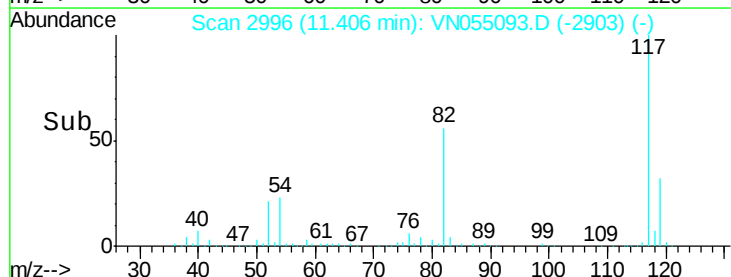
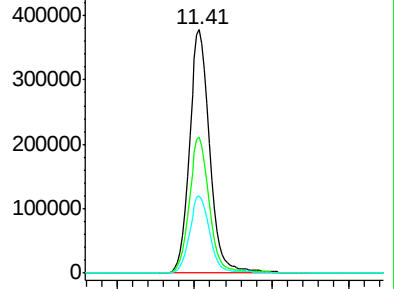
119 31.8 25.5 38.3

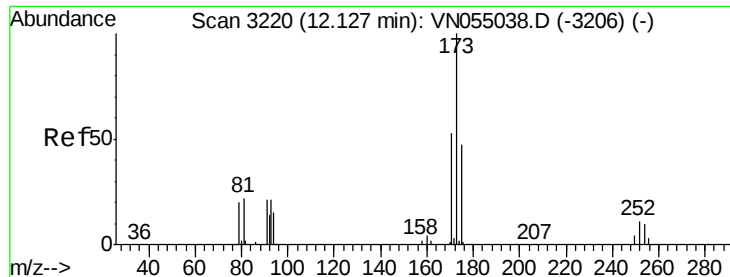


Abundance Ion 116.90 (116.60 to 117.60): VN055093.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN055093.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN055093.D (-2903) (-)





#71

Bromoform

Concen: 1.068 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN055093.D

Acq: 17 Apr 2019 9:34

Instrument :

MSVOA_N

ClientSampled :

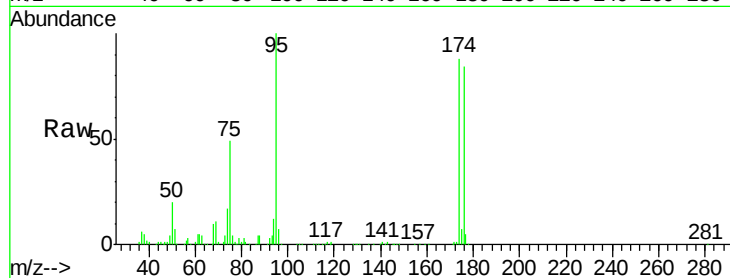
Tot Ion:173 Resp: 3154

Ion Ratio Lower Upper

173 100

175 517.9 24.3 73.0#

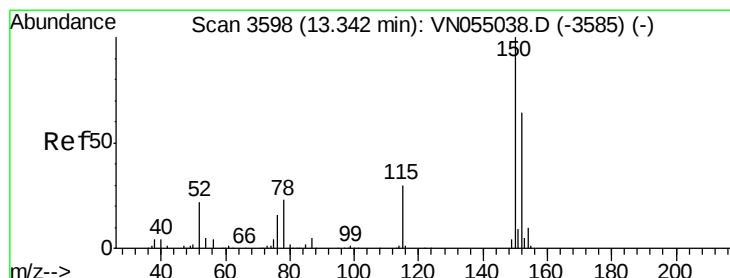
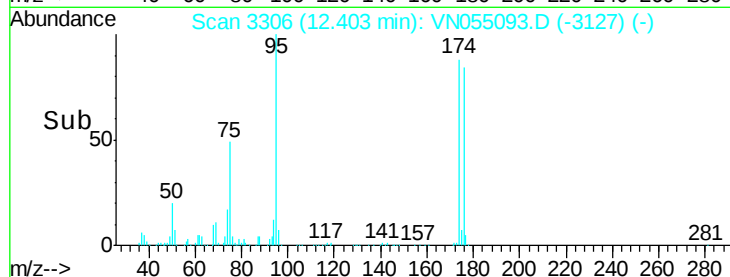
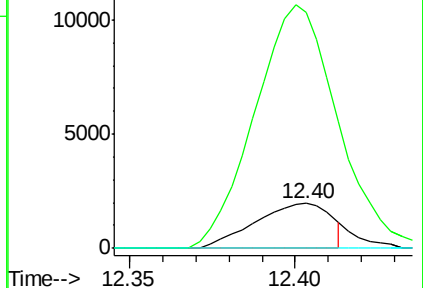
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055093.D

Acq: 17 Apr 2019 9:34

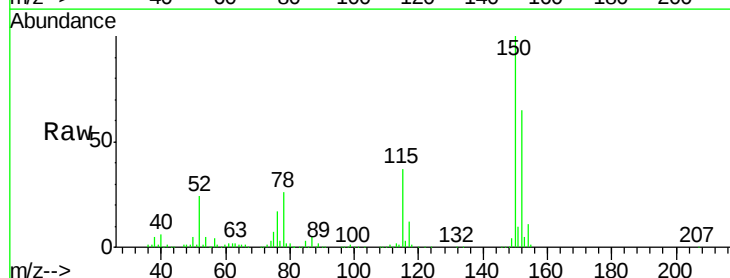
Tgt Ion:152 Resp: 208490

Ion Ratio Lower Upper

152 100

115 57.3 28.5 85.6

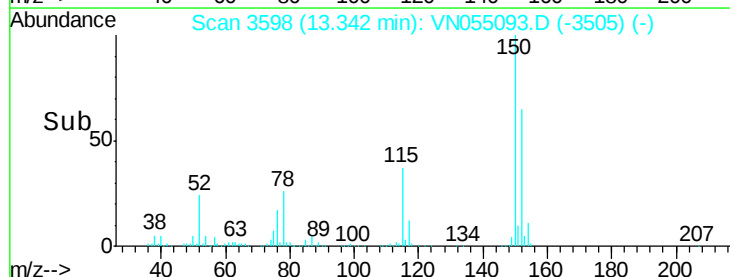
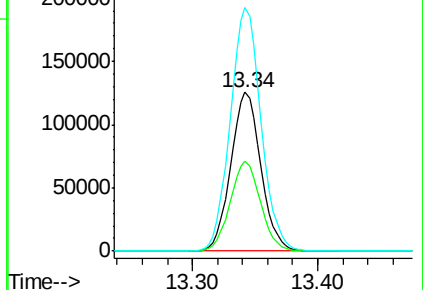
150 156.9 0.0 347.2

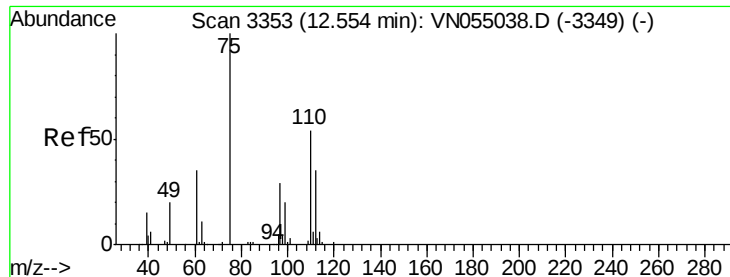


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 38.017 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055093.D

Acq: 17 Apr 2019 9:34

Instrument :

MSVOA_N

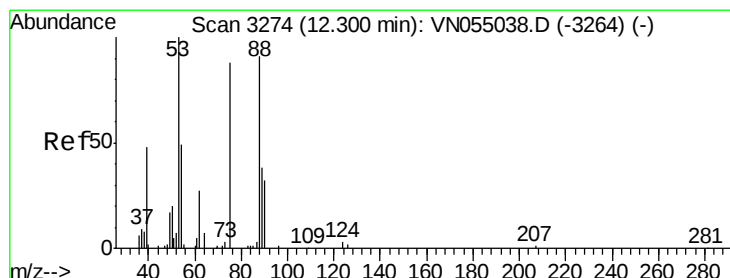
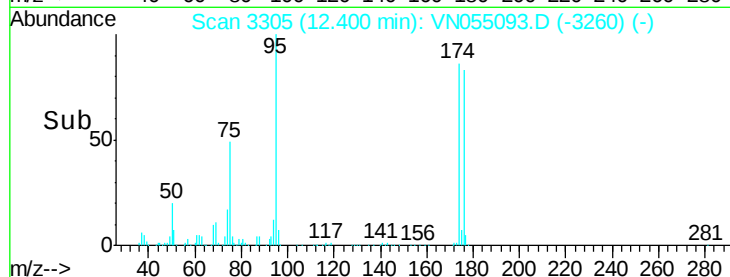
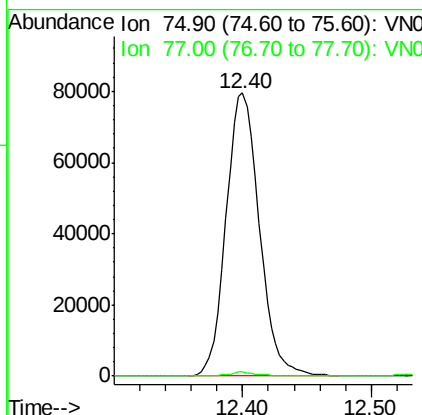
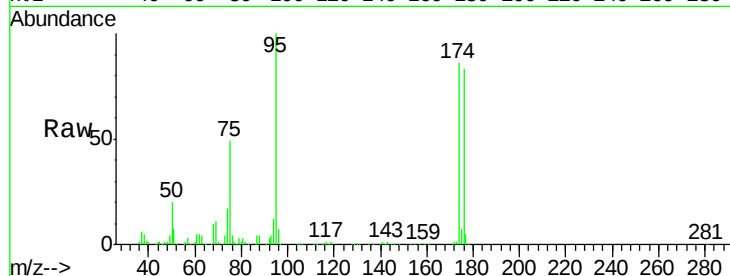
ClientSampled :

Tot Ion: 75 Resp: 142532

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 152.025 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055093.D

Acq: 17 Apr 2019 9:34

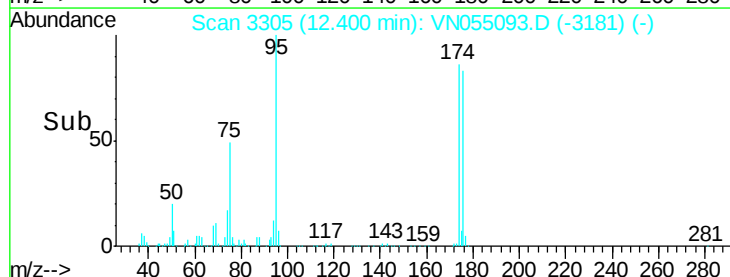
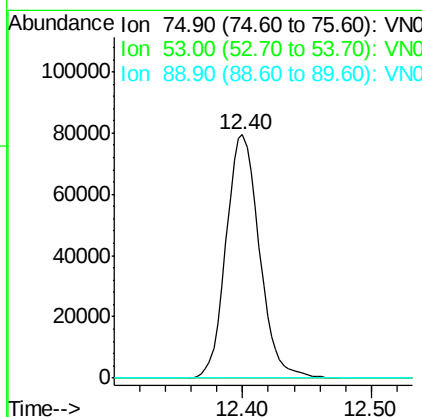
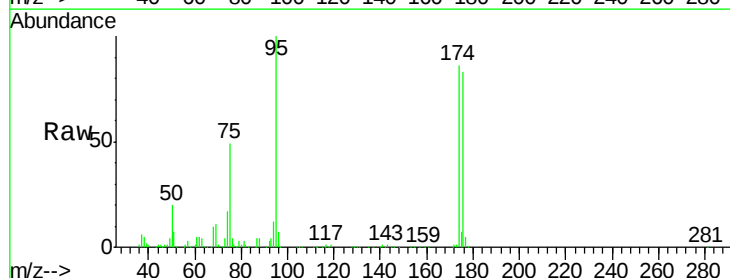
Tgt Ion: 75 Resp: 142532

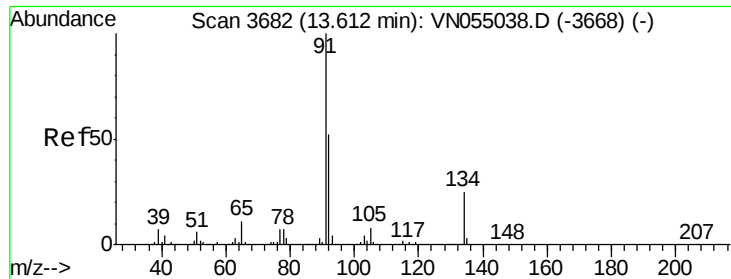
Ion Ratio Lower Upper

75 100

53 0.0 96.3 144.5#

89 0.0 38.6 57.8#

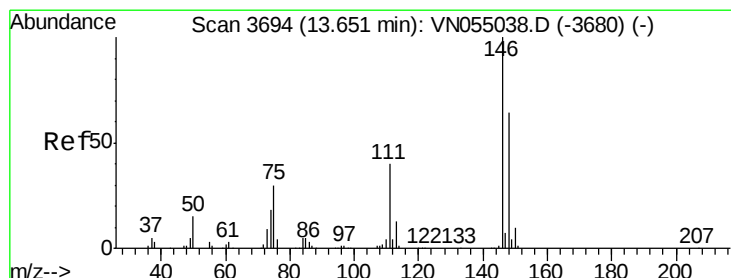
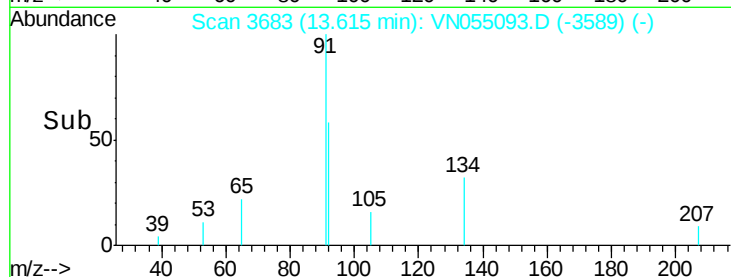
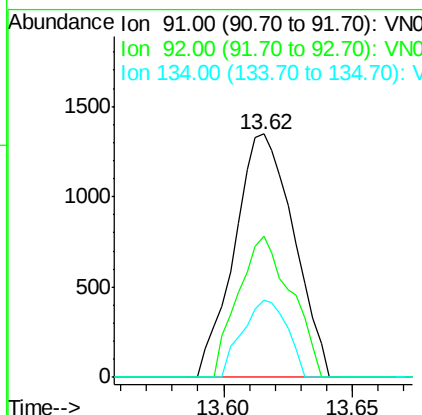
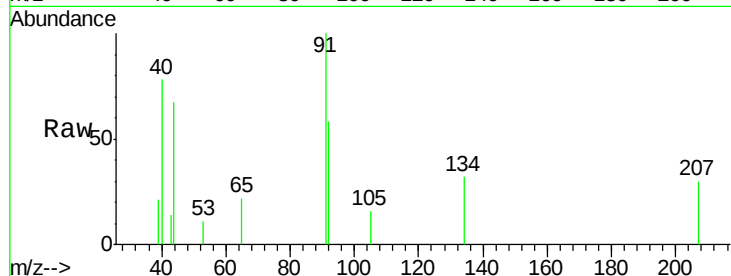




#89
n-Butylbenzene
Concen: 0.211 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN055093.D
Acq: 17 Apr 2019 9:34

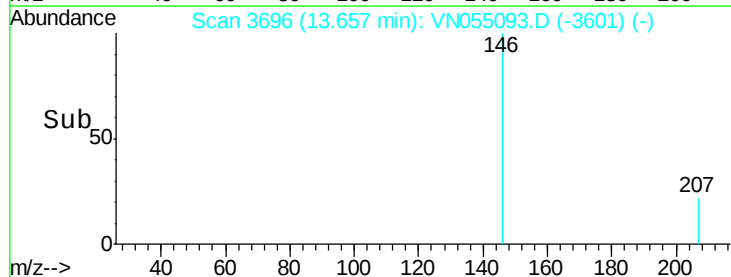
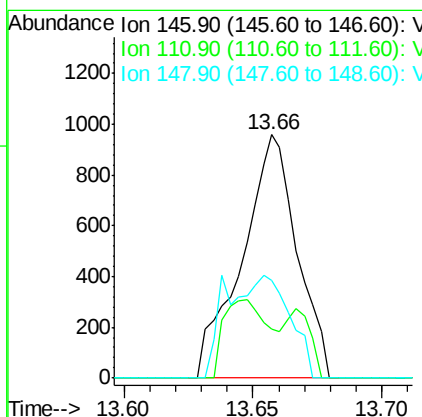
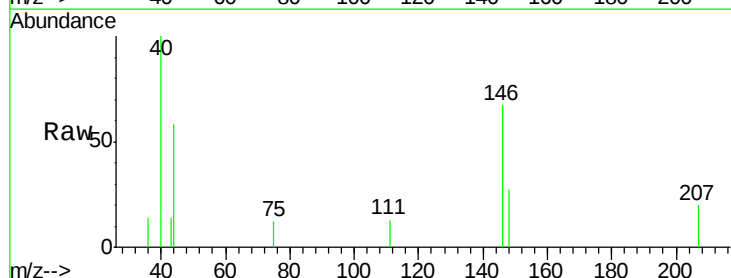
Instrument :
MSVOA_N
ClientSampleId :

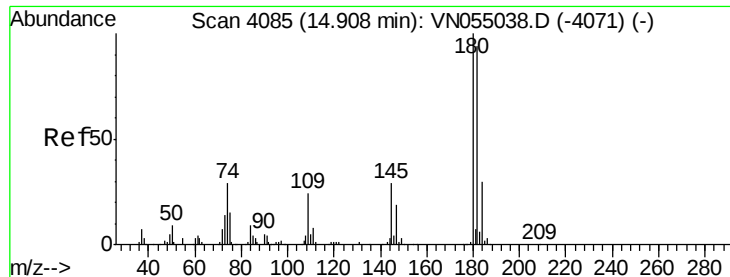
Tot Ion: 91 Resp: 2160
Ion Ratio Lower Upper
91 100
92 52.0 25.9 77.7
134 24.0 12.8 38.3



#91
1,2-Dichlorobenzene
Concen: 0.202 ug/l
RT: 13.66 min Scan# 3696
Delta R.T. 0.01 min
Lab File: VN055093.D
Acq: 17 Apr 2019 9:34

Tgt Ion: 146 Resp: 1425
Ion Ratio Lower Upper
146 100
111 26.8 20.3 60.9
148 28.4 32.2 96.6#

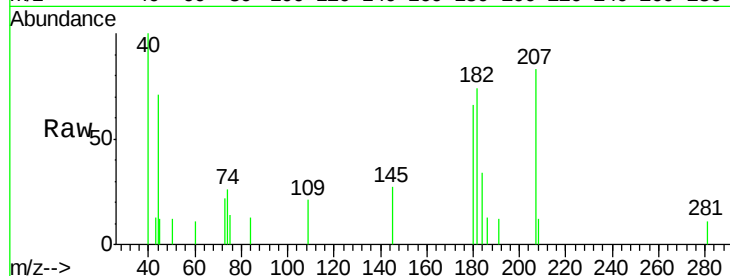




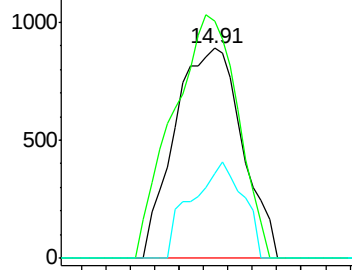
#93
 1,2,4-Trichlorobenzene
 Concen: 3.184 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.01 min
 Lab File: VN055093.D
 Acq: 17 Apr 2019 9:34

Instrument :
 MSVOA_N
 ClientSampled :

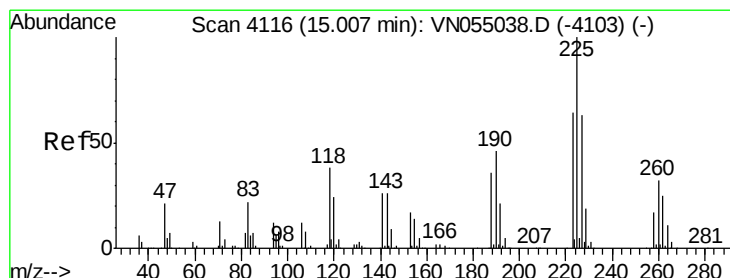
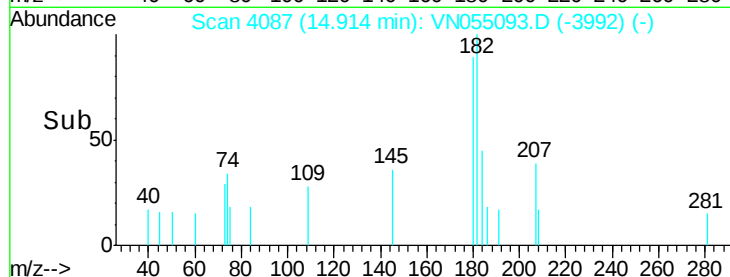
Tot Ion:180 Resp: 1711
 Ion Ratio Lower Upper
 180 100
 182 111.2 47.5 142.6
 145 35.1 14.2 42.8



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

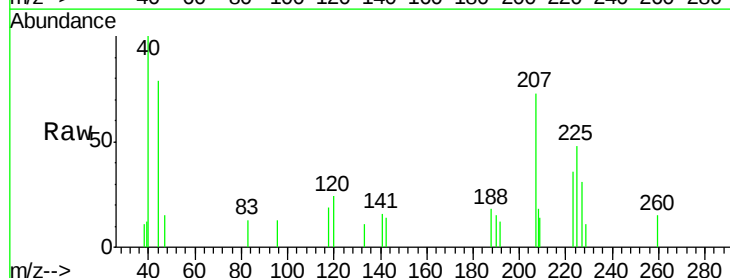


Time-->

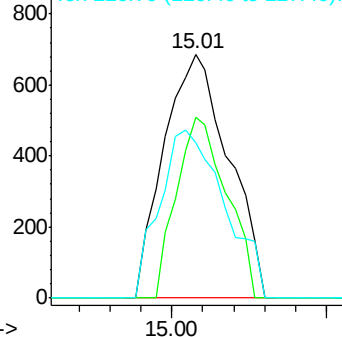


#94
 Hexachlorobutadiene
 Concen: 0.460 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055093.D
 Acq: 17 Apr 2019 9:34

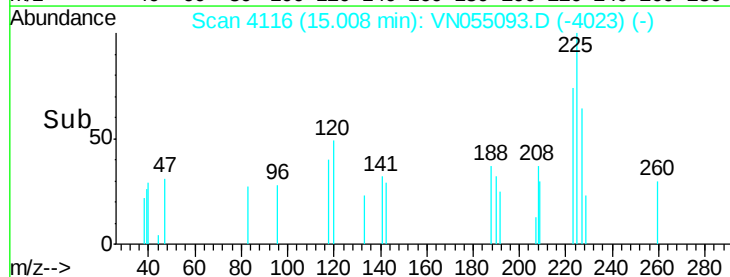
Tgt Ion:225 Resp: 1002
 Ion Ratio Lower Upper
 225 100
 223 57.2 31.4 94.0
 227 69.0 32.6 97.7

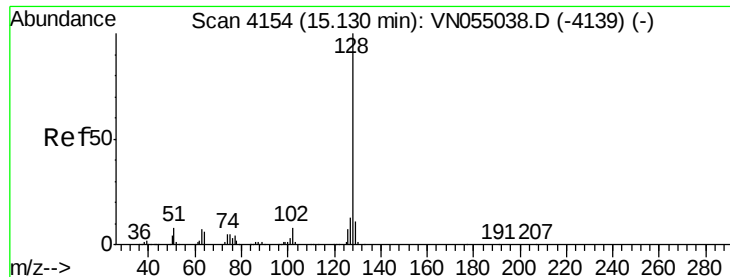


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->





#95

Naphthalene

Concen: 3.634 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055093.D

Acq: 17 Apr 2019 9:34

Instrument :

MSVOA_N

ClientSampleId :

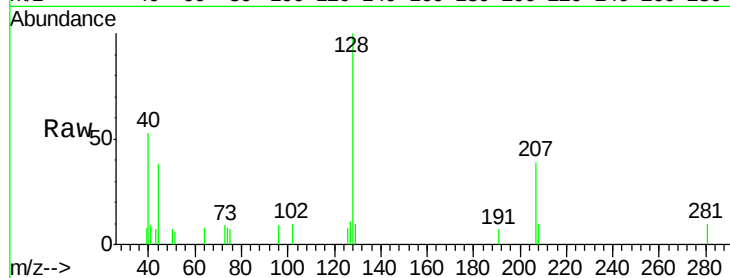
Tot Ion:128 Resp: 4415

Ion Ratio Lower Upper

128 100

127 12.0 10.1 15.1

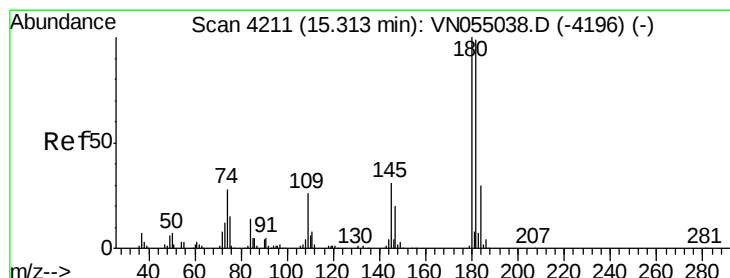
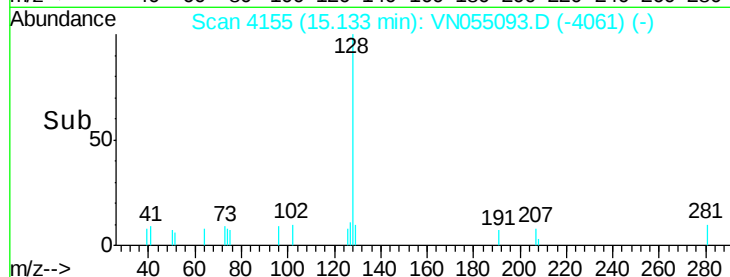
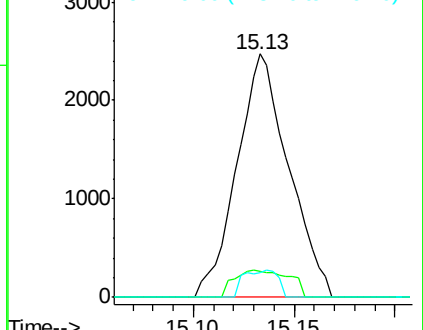
129 7.5 8.8 13.2#



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: 0.866 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN055093.D

Acq: 17 Apr 2019 9:34

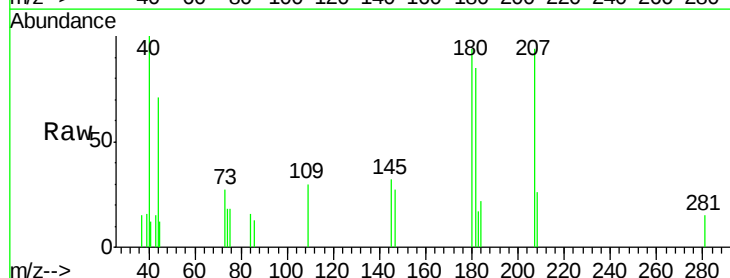
Tgt Ion:180 Resp: 2357

Ion Ratio Lower Upper

180 100

182 90.7 48.0 144.0

145 33.9 15.3 45.9



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

