

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041719\
 Data File : VN055094.D
 Acq On : 17 Apr 2019 10:00
 Operator : JC/SP
 Sample : VN0417WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 18 03:00:23 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	541306	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	844670	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	701281	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	206269	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	335648	46.65	ug/l	0.00
Spiked Amount			Recovery	=	93.30%	
35) Dibromofluoromethane	7.59	113	272552	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	
50) Toluene-d8	10.09	98	1010723	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	
62) 4-Bromofluorobenzene	12.40	95	285691	43.50	ug/l	0.00
Spiked Amount			Recovery	=	87.00%	

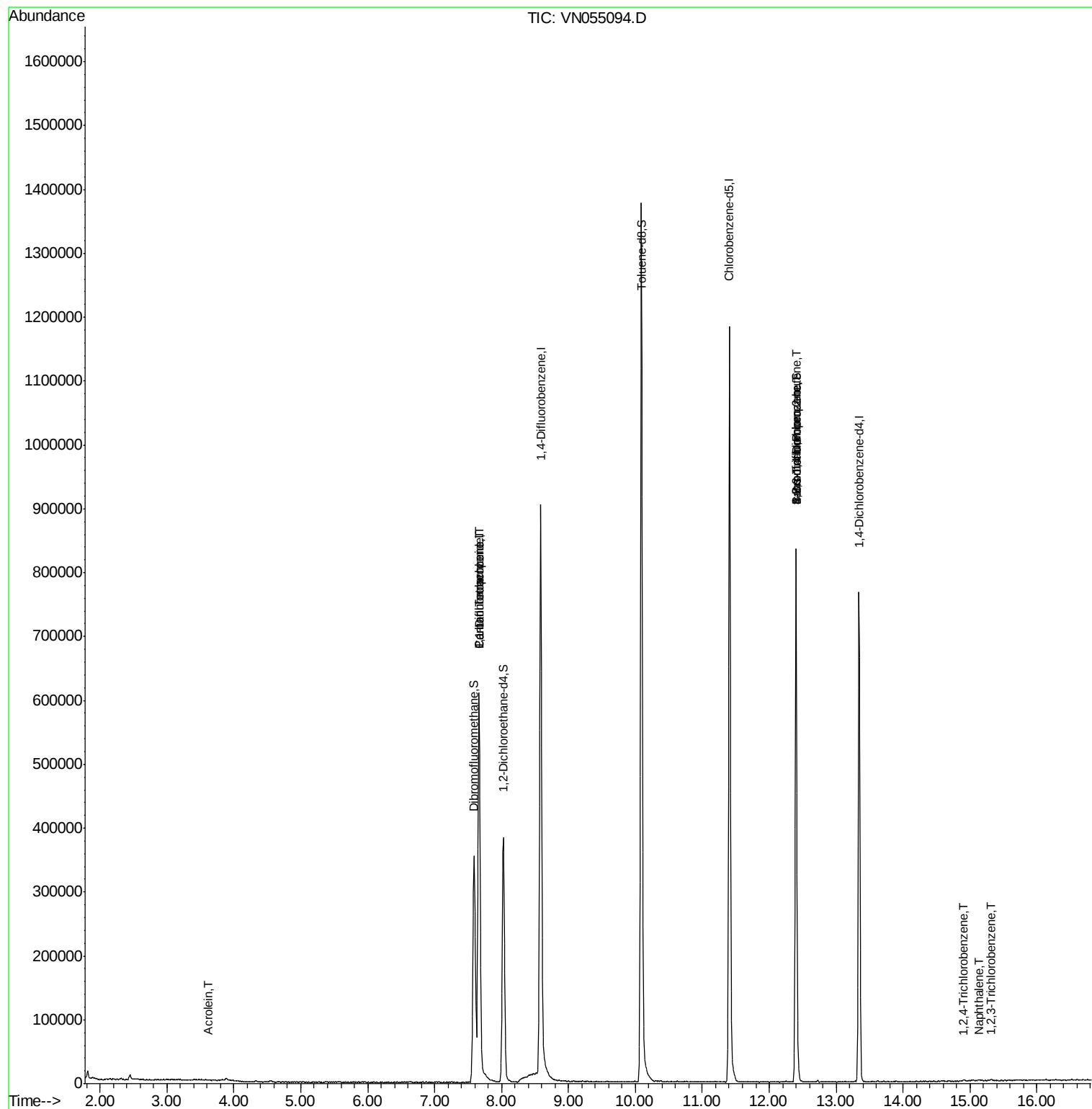
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.60	56	217	0.445	ug/l #	73
18) Methyl Acetate	4.33	43	823	Below Cal		94
31) Cyclohexane	7.66	56	11597	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	38291	4.809	ug/l #	44
38) Carbon Tetrachloride	7.66	117	48557	6.410	ug/l #	15
71) Bromoform	12.40	173	1282	0.431	ug/l #	29
76) 1,2,3-Trichloropropane	12.40	75	146459	39.485	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	146459	157.895	ug/l #	2
93) 1,2,4-Trichlorobenzene	14.91	180	610	2.860	ug/l #	65
95) Naphthalene	15.13	128	1664	3.291	ug/l #	75
96) 1,2,3-Trichlorobenzene	15.32	180	983	0.365	ug/l #	82

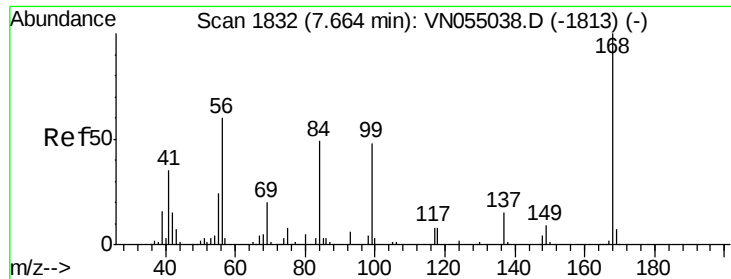
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN041719\
Data File : VN055094.D
Acq On : 17 Apr 2019 10:00
Operator : JC/SP
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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Apr 18 03:00:23 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: VN055094.D

Acq: 17 Apr 2019 10:00

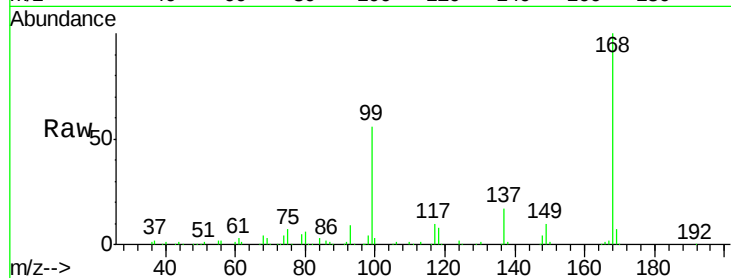
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 541306

Ion Ratio Lower Upper

168 100

99 55.7 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): VN055038.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN055038.D (-1813) (-)

7.66

250000

200000

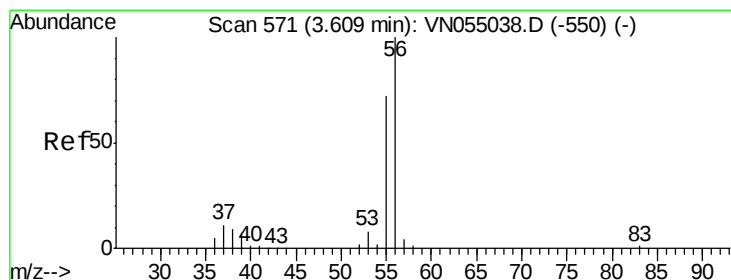
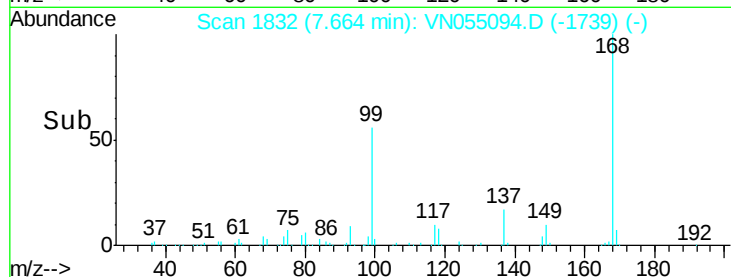
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 0.445 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.01 min

Lab File: VN055094.D

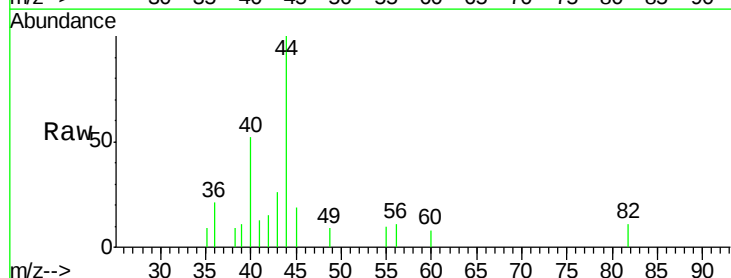
Acq: 17 Apr 2019 10:00

Tgt Ion: 56 Resp: 217

Ion Ratio Lower Upper

56 100

55 97.7 59.5 89.3#



Abundance Ion 56.00 (55.70 to 56.70): VN055038.D (-550) (-)

Ion 55.00 (54.70 to 55.70): VN055038.D (-550) (-)

3.60

250

200

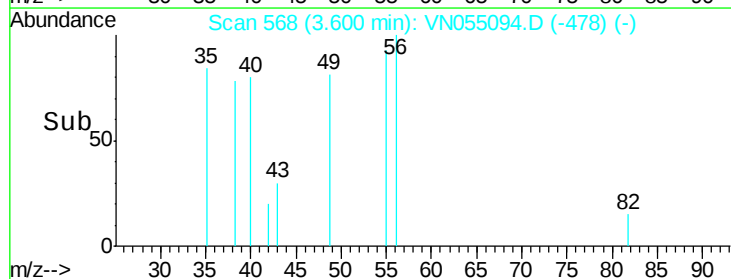
150

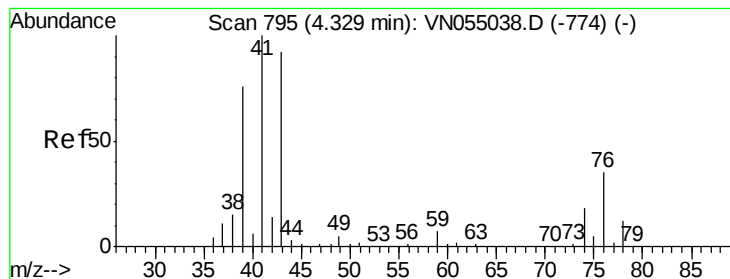
100

50

0

Time-->





#18

Methyl Acetate

Concen: Below Cal

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055094.D

Acq: 17 Apr 2019 10:00

Instrument :

MSVOA_N

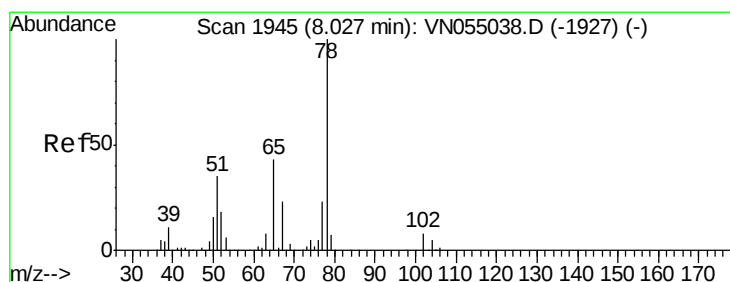
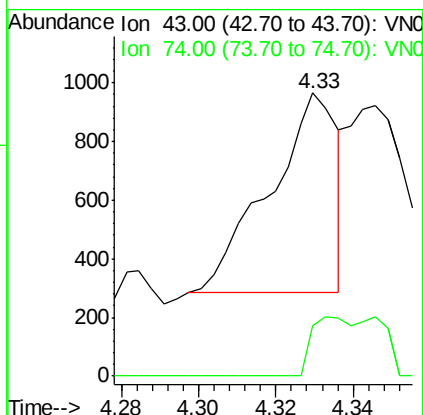
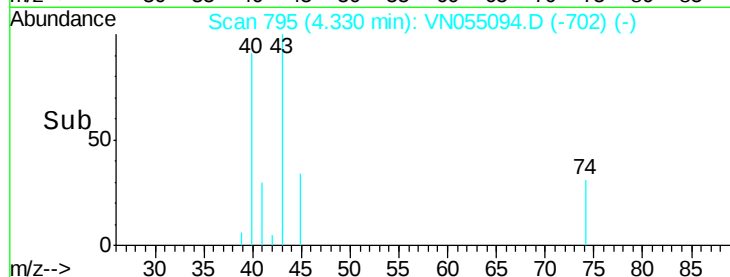
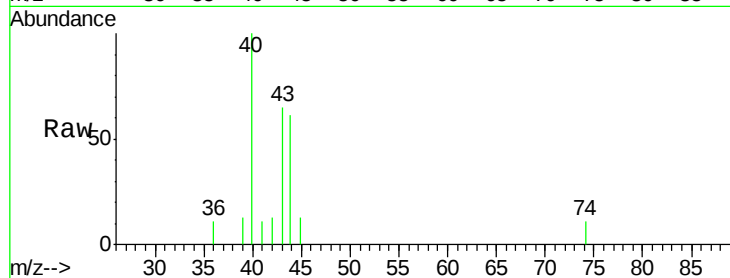
ClientSampled :

Tot Ion: 43 Resp: 823

Ion Ratio Lower Upper

43 100

74 17.5 16.1 24.1



#33

1,2-Dichloroethane-d4

Concen: 46.648 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055094.D

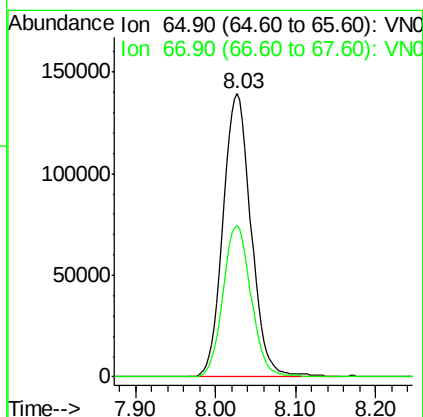
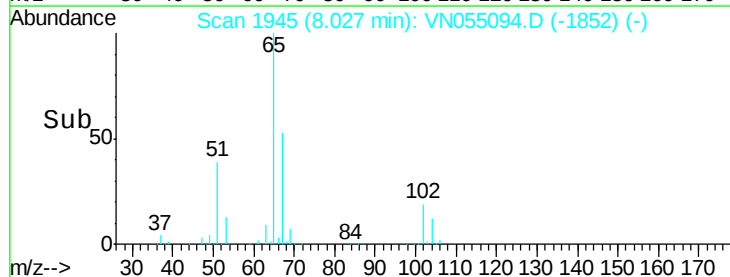
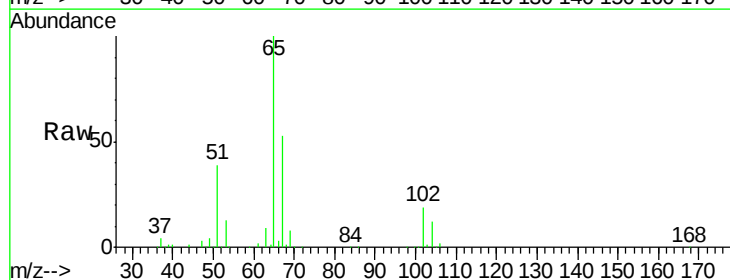
Acq: 17 Apr 2019 10:00

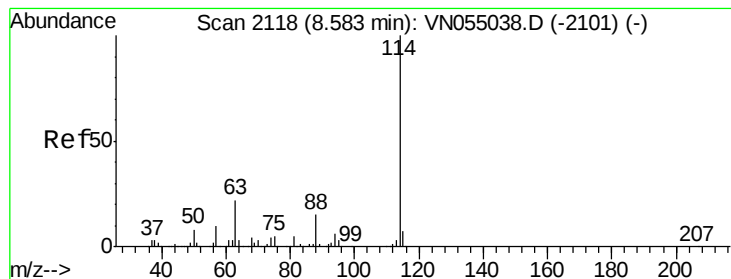
Tgt Ion: 65 Resp: 335648

Ion Ratio Lower Upper

65 100

67 53.4 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: VN055094.D

Acq: 17 Apr 2019 10:00

Instrument :

MSVOA_N

ClientSampleId :

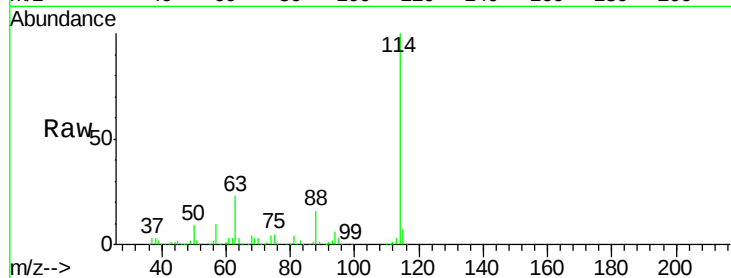
Tot Ion:114 Resp: 844670

Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.2

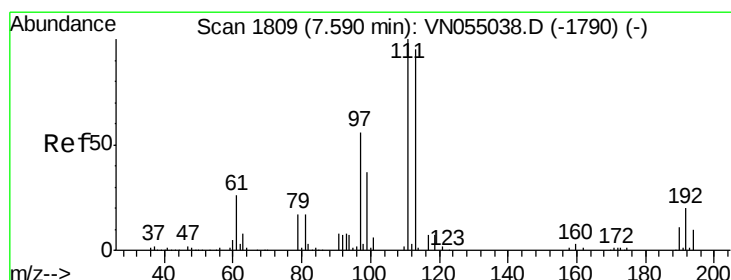
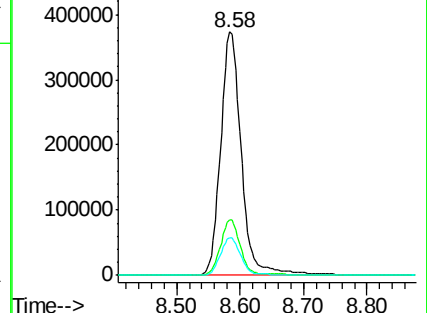
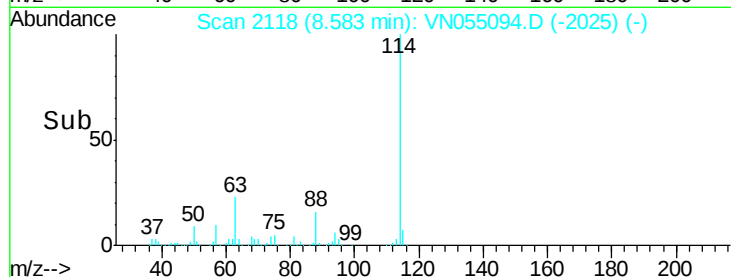
88 15.6 0.0 31.8



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: 48.282 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055094.D

Acq: 17 Apr 2019 10:00

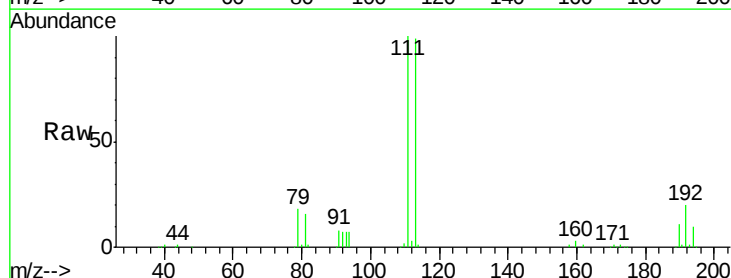
Tgt Ion:113 Resp: 272552

Ion Ratio Lower Upper

113 100

111 102.4 82.1 123.1

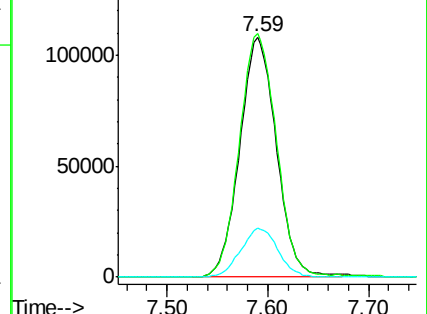
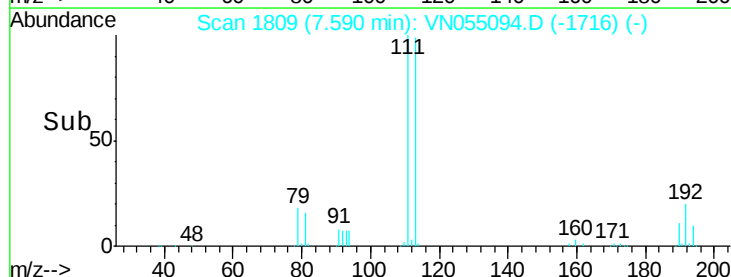
192 20.9 16.5 24.7

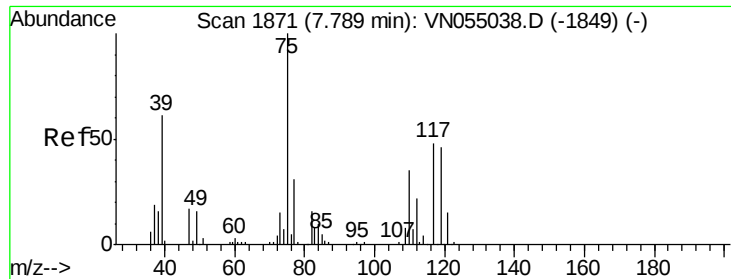


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

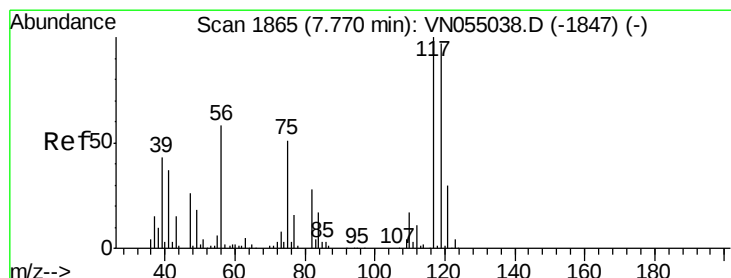
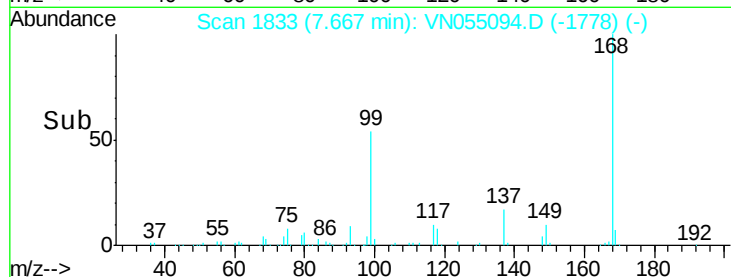
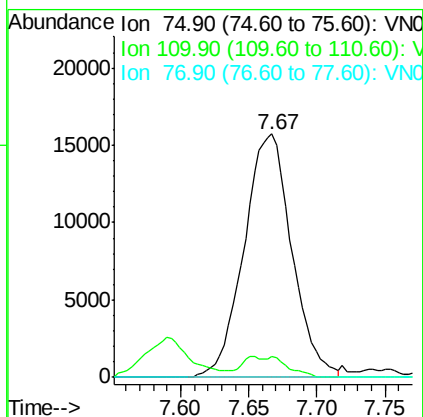
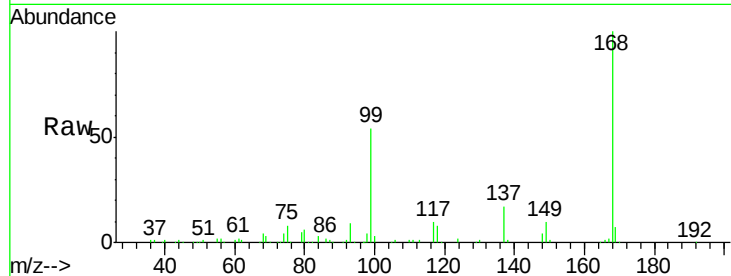




#36
 1,1-Dichloropropene
 Concen: 4.809 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN055094.D
 Acq: 17 Apr 2019 10:00

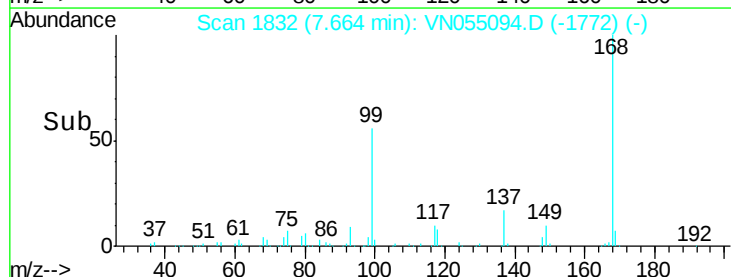
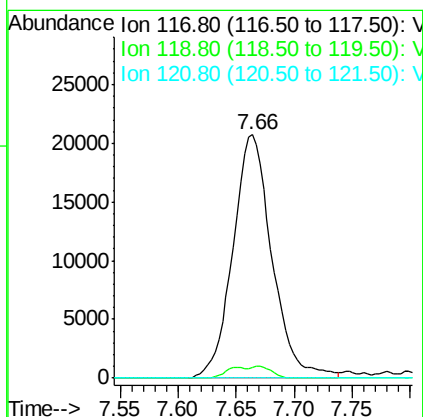
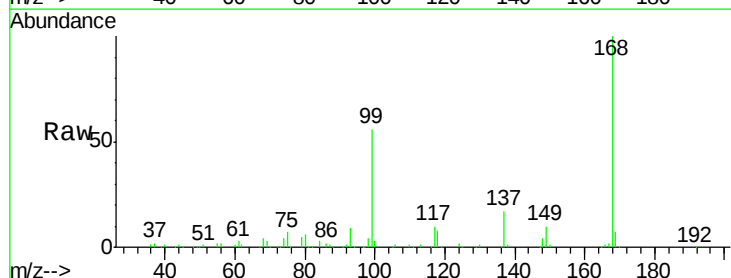
Instrument :
 MSVOA_N
 ClientSampled :

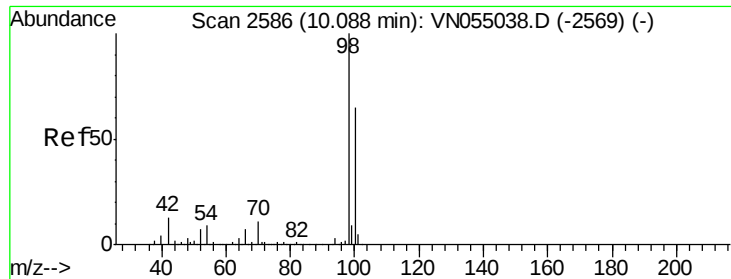
Tot Ion	75	Resp	38291
Ion Ratio	Lower	Upper	
75	100		
110	2.3	17.5	52.5#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.410 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN055094.D
 Acq: 17 Apr 2019 10:00

Tgt Ion	117	Resp	48557
Ion Ratio	Lower	Upper	
117	100		
119	4.1	76.3	114.5#
121	0.0	23.9	35.9#





#50

Toluene-d8

Concen: 50.026 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN055094.D

Acq: 17 Apr 2019 10:00

Instrument :

MSVOA_N

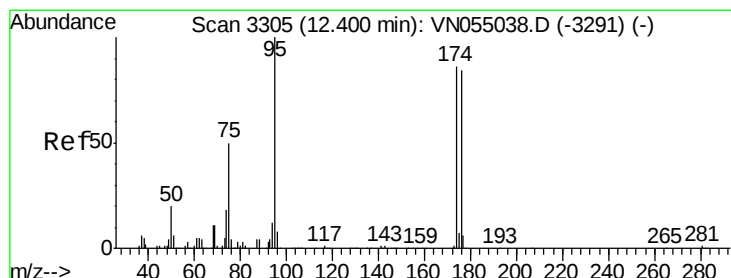
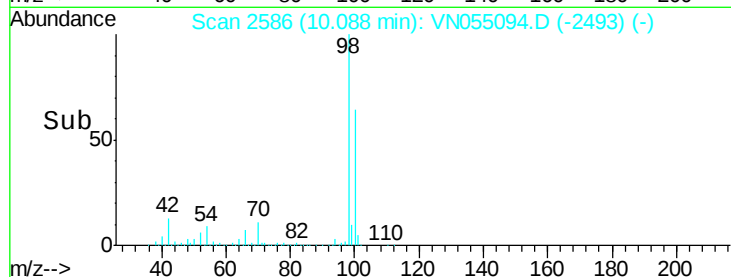
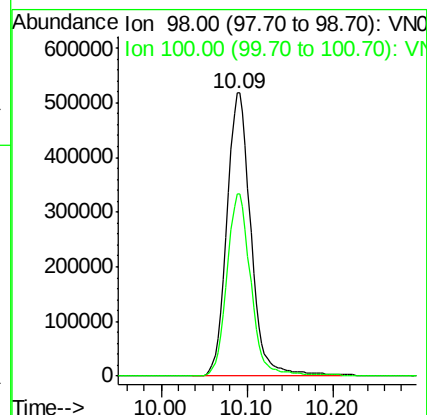
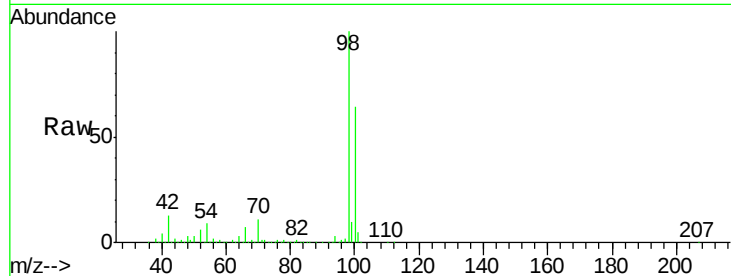
ClientSampleId :

Tot Ion: 98 Resp: 1010723

Ion Ratio Lower Upper

98 100

100 64.3 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 43.496 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055094.D

Acq: 17 Apr 2019 10:00

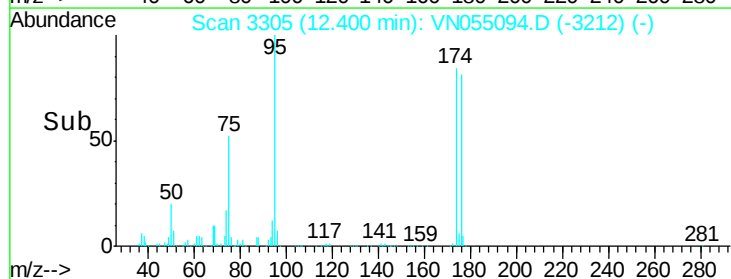
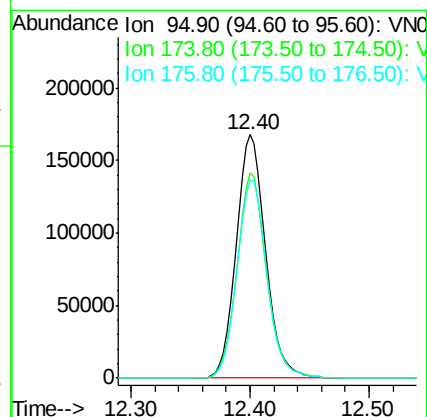
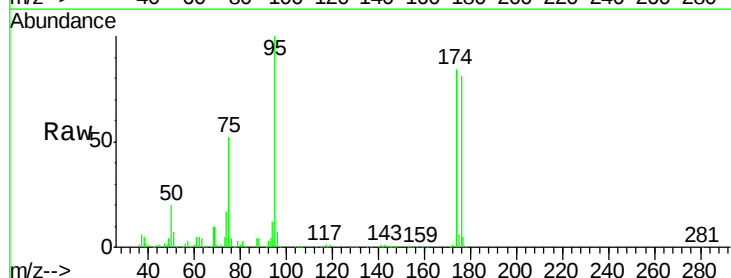
Tgt Ion: 95 Resp: 285691

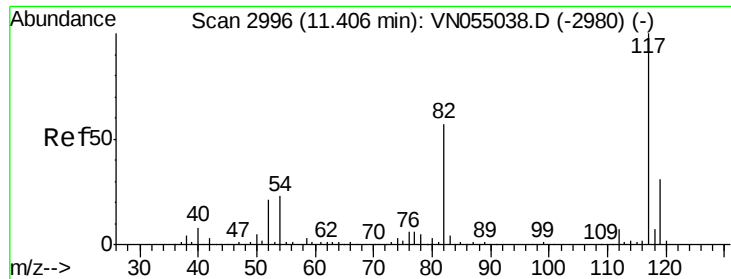
Ion Ratio Lower Upper

95 100

174 84.7 0.0 174.4

176 83.3 0.0 166.8

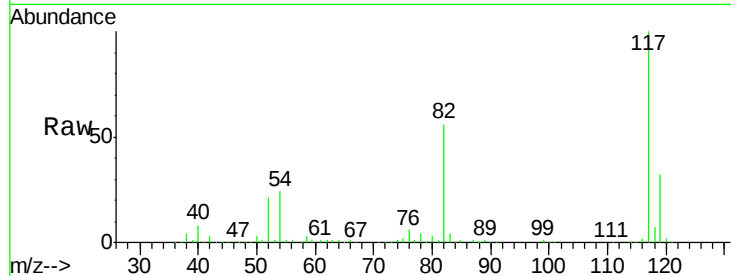




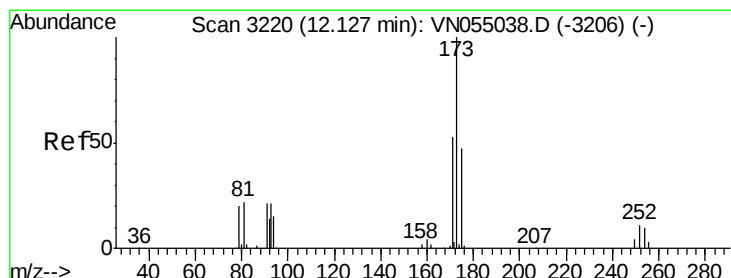
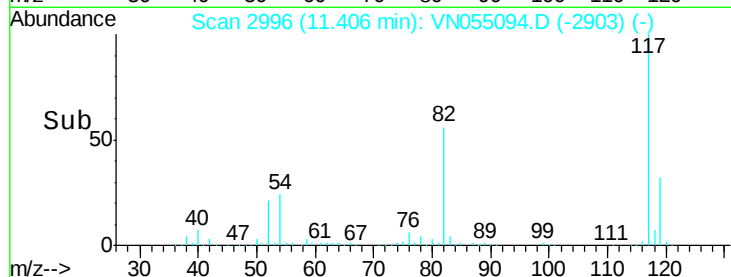
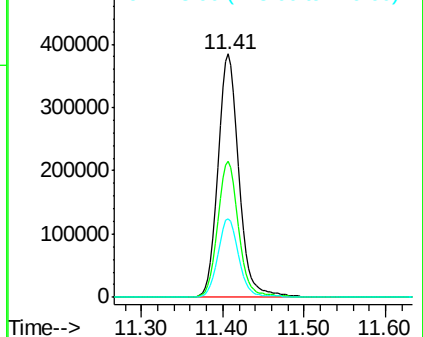
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055094.D
Acq: 17 Apr 2019 10:00

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 701281
Ion Ratio Lower Upper
117 100
82 56.0 44.6 66.8
119 32.4 25.5 38.3

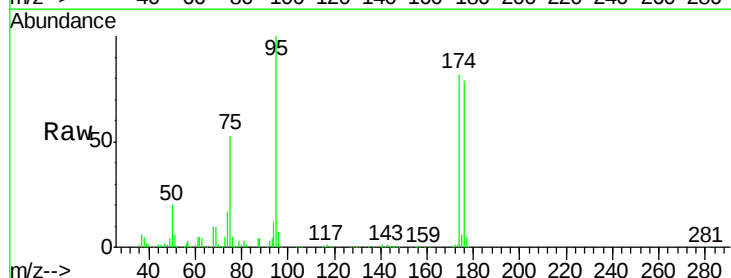


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

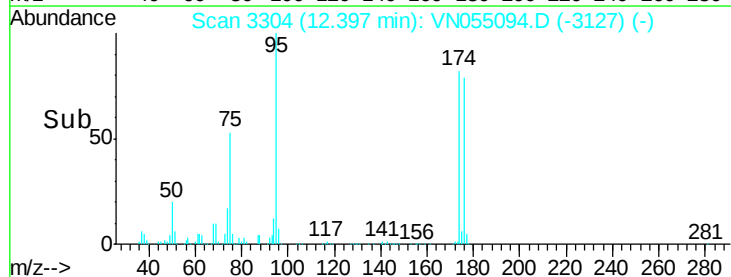
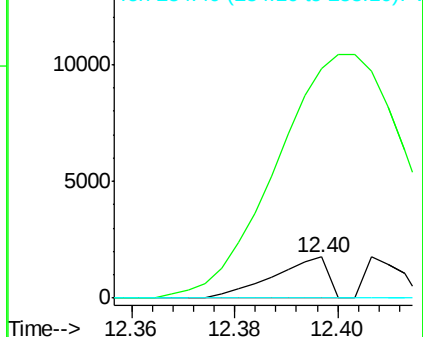


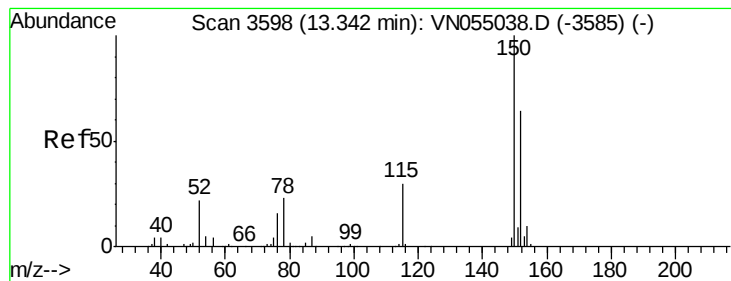
#71
Bromoform
Concen: 0.431 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN055094.D
Acq: 17 Apr 2019 10:00

Tgt Ion:173 Resp: 1282
Ion Ratio Lower Upper
173 100
175 0.0 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



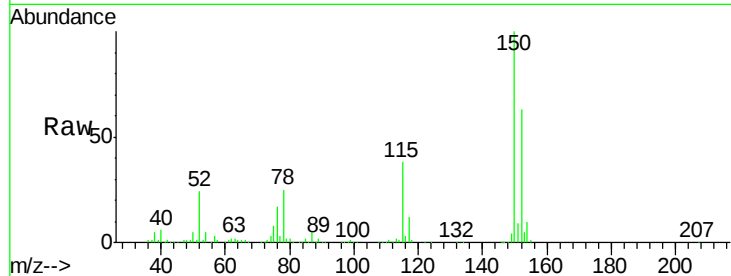


#72

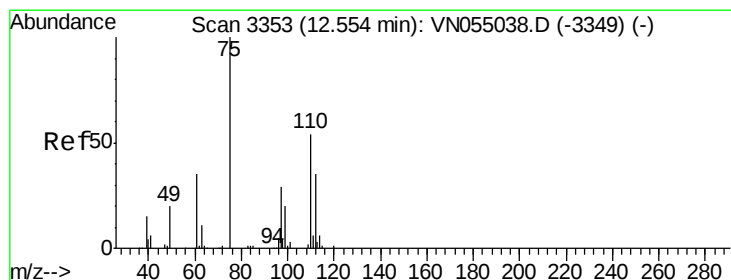
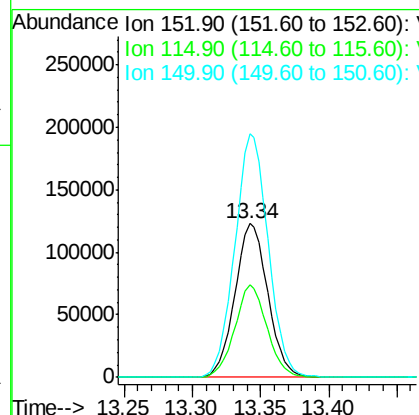
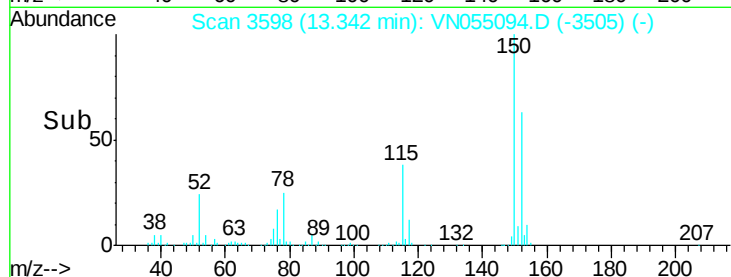
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055094.D
Acq: 17 Apr 2019 10:00

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:152 Resp: 206269
Ion Ratio Lower Upper
152 100
115 58.7 28.5 85.6
150 160.1 0.0 347.2



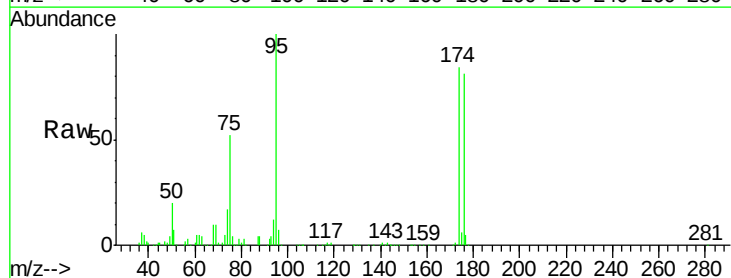
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



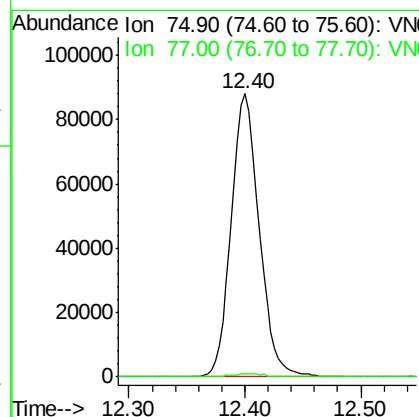
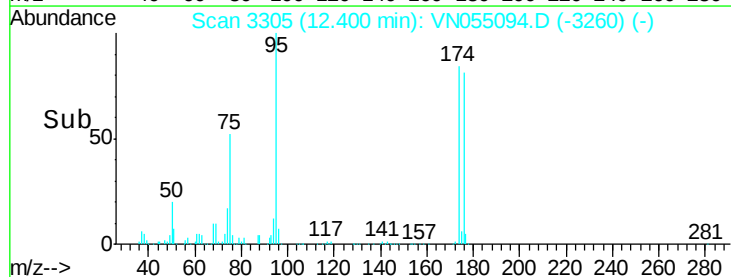
#76

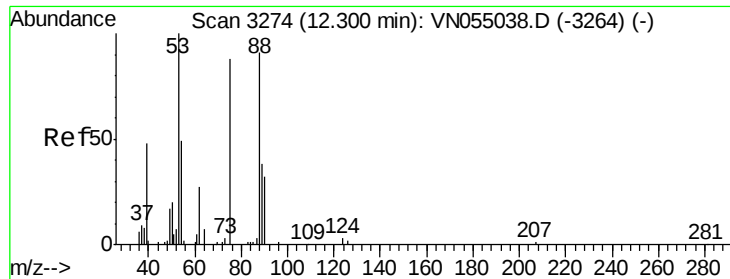
1,2,3-Trichloropropane
Concen: 39.485 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN055094.D
Acq: 17 Apr 2019 10:00

Tgt Ion: 75 Resp: 146459
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: 157.895 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055094.D

Acq: 17 Apr 2019 10:00

Instrument :

MSVOA_N

ClientSampleId :

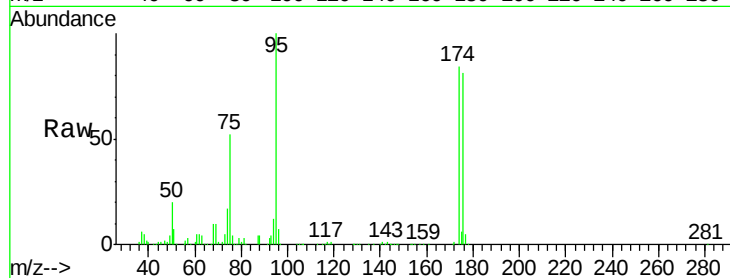
Tot Ion: 75 Resp: 146459

Ion Ratio Lower Upper

75 100

53 0.0 96.3 144.5#

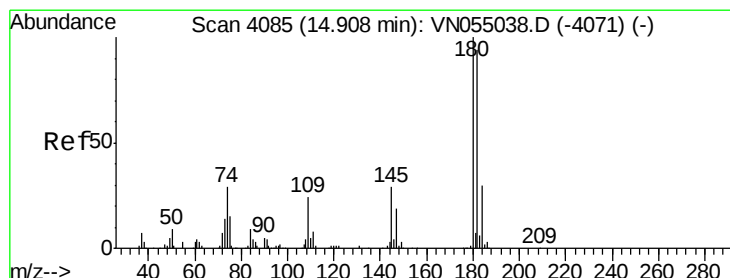
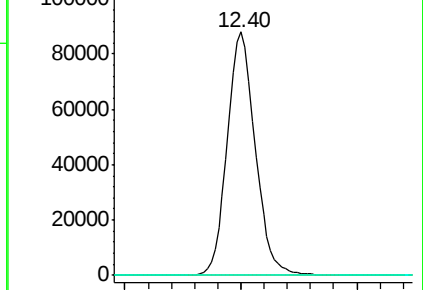
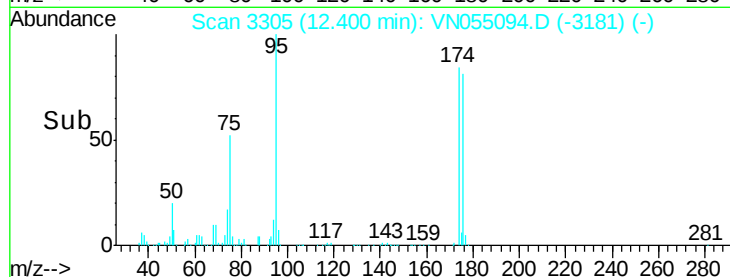
89 0.0 38.6 57.8#



Abundance Ion 74.90 (74.60 to 75.60): VN055094.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN055094.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN055094.D (-3181) (-)



#93

1,2,4-Trichlorobenzene

Concen: 2.860 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN055094.D

Acq: 17 Apr 2019 10:00

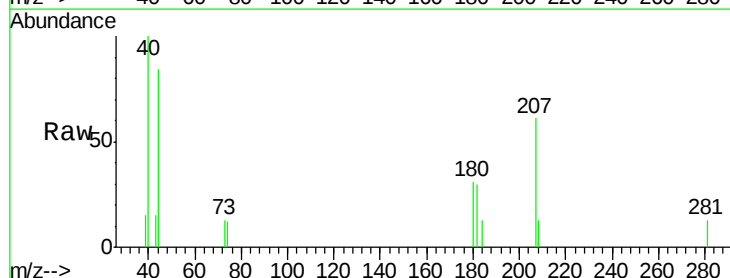
Tgt Ion: 180 Resp: 610

Ion Ratio Lower Upper

180 100

182 123.8 47.5 142.6

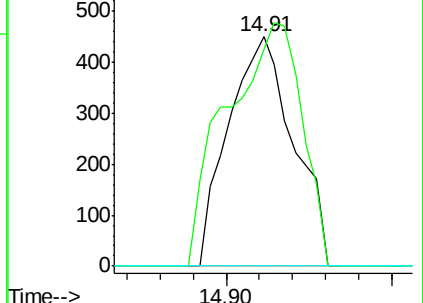
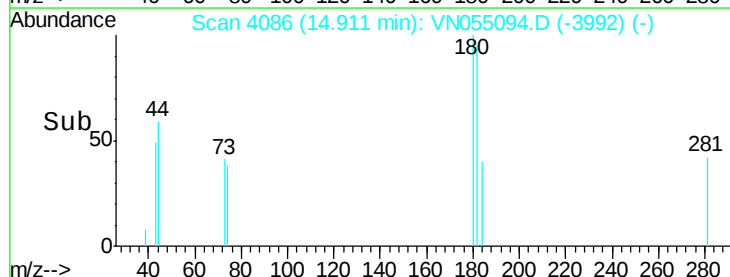
145 0.0 14.2 42.8#

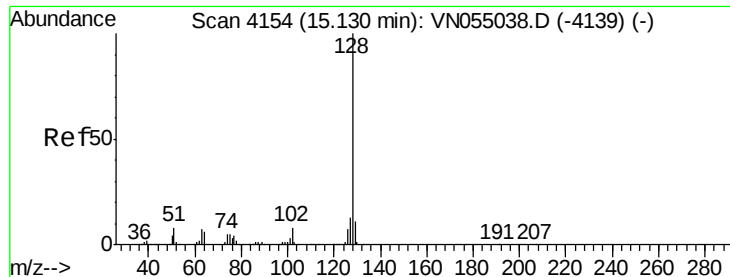


Abundance Ion 179.80 (179.50 to 180.50): VN055094.D (-3992) (-)

Ion 181.80 (181.50 to 182.50): VN055094.D (-3992) (-)

Ion 144.80 (144.50 to 145.50): VN055094.D (-3992) (-)





#95

Naphthalene

Concen: 3.291 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN055094.D

Acq: 17 Apr 2019 10:00

Instrument :

MSVOA_N

ClientSampleId :

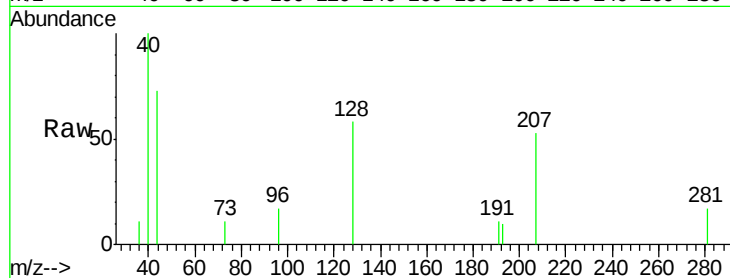
Tot Ion:128 Resp: 1664

Ion Ratio Lower Upper

128 100

127 4.4 10.1 15.1#

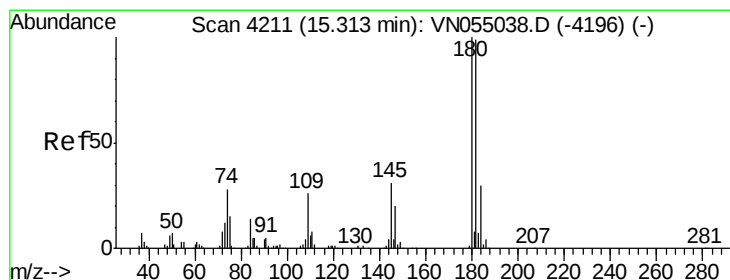
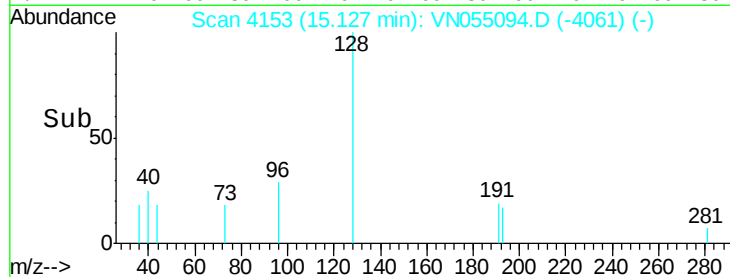
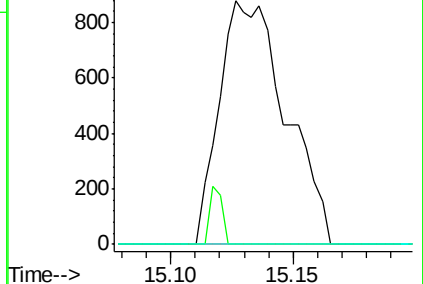
129 0.0 8.8 13.2#



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: 0.365 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN055094.D

Acq: 17 Apr 2019 10:00

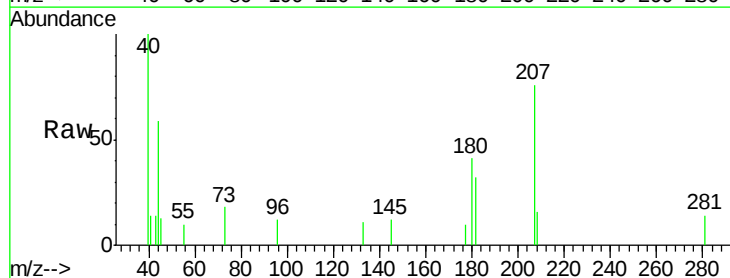
Tgt Ion:180 Resp: 983

Ion Ratio Lower Upper

180 100

182 84.1 48.0 144.0

145 10.5 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

