

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032519\
 Data File : VN054661.D
 Acq On : 25 Mar 2019 10:11
 Operator : JC/SP
 Sample : VN0325WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325WBL01

Quant Time: Mar 26 01:20:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	588038	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	904767	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	763258	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	274896	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	362339	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
35) Dibromofluoromethane	7.59	113	280850	48.18	ug/l	0.00
Spiked Amount			Recovery	=	96.36%	
50) Toluene-d8	10.09	98	1079654	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	
62) 4-Bromofluorobenzene	12.40	95	337619	45.28	ug/l	0.00
Spiked Amount			Recovery	=	90.56%	

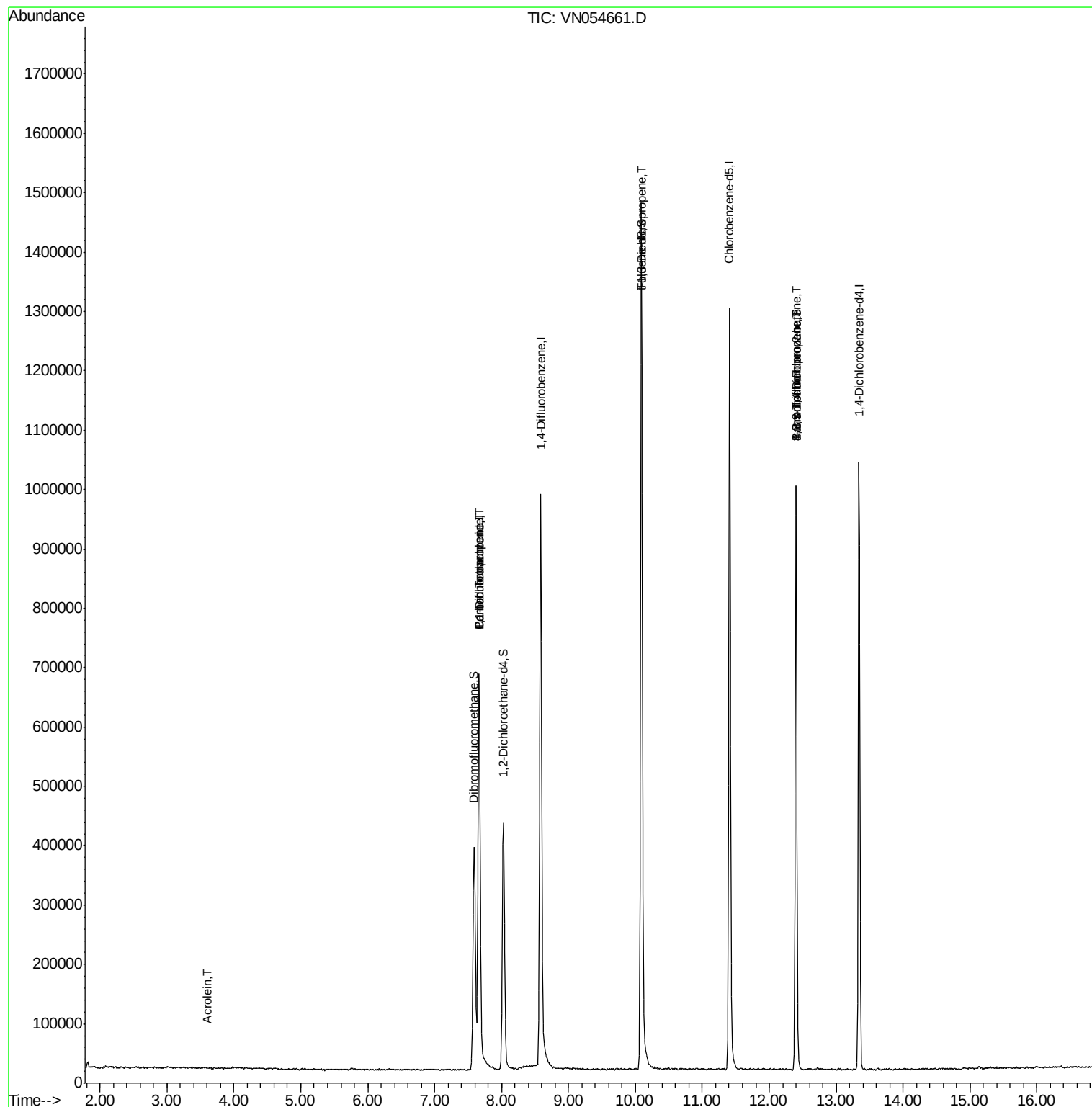
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.60	56	146	0.239	ug/l #	66
31) Cyclohexane	7.66	56	12305	Below Cal	#	16
36) 1,1-Dichloropropene	7.66	75	43000	5.083	ug/l #	47
38) Carbon Tetrachloride	7.66	117	51763	6.297	ug/l #	16
53) t-1,3-Dichloropropene	10.09	75	229	2.258	ug/l #	11
71) Bromoform	12.40	173	3823	3.171	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	174492	40.001	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	174492	132.322	ug/l #	11
94) Hexachlorobutadiene	15.01	225	240	Below Cal		83

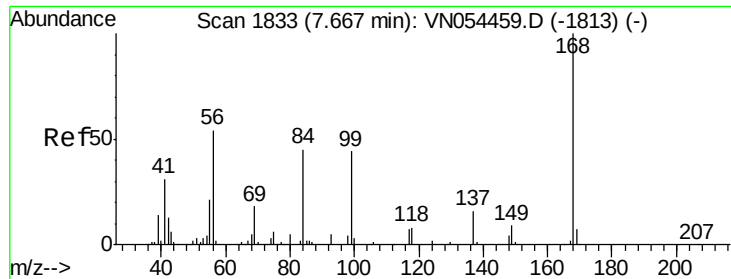
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:09:07 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: VN054661.D

Acq: 25 Mar 2019 10:11

Instrument :

MSVOA_N

ClientSampled :

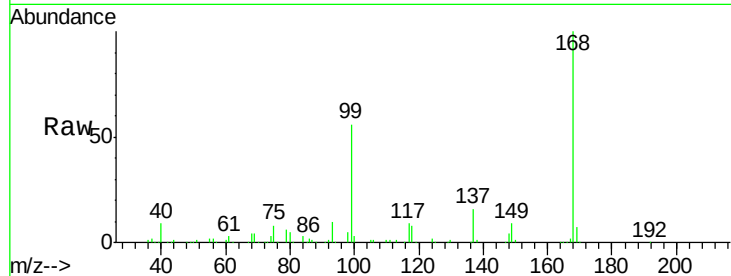
VN0325WBL01

Tot Ion:168 Resp: 588038

Ion Ratio Lower Upper

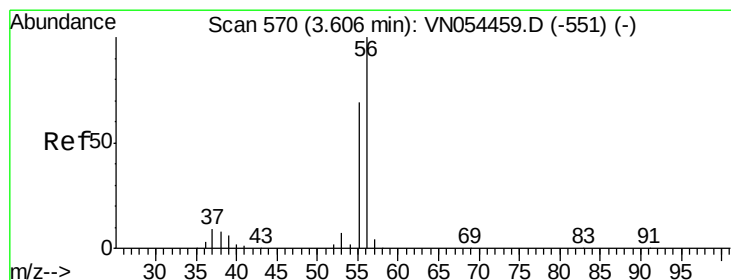
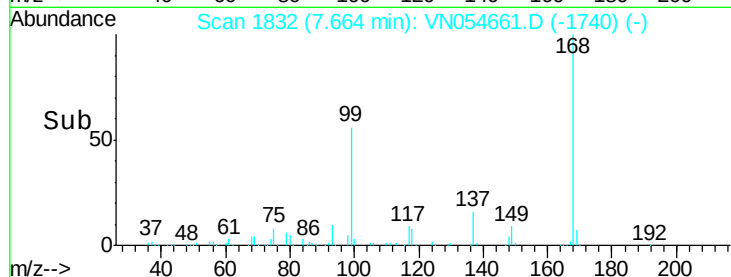
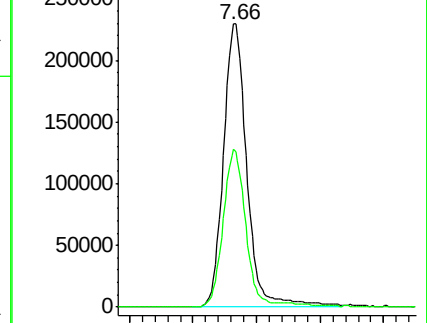
168 100

99 55.7 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#13

Acrolein

Concen: 0.239 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.01 min

Lab File: VN054661.D

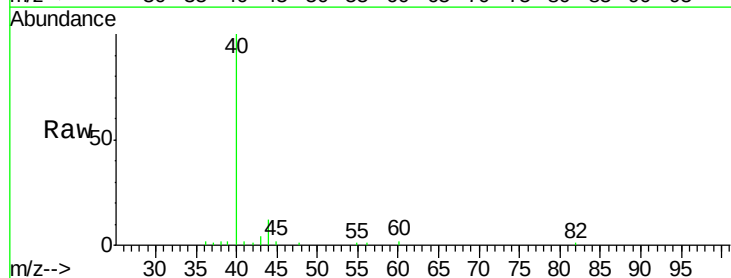
Acq: 25 Mar 2019 10:11

Tgt Ion: 56 Resp: 146

Ion Ratio Lower Upper

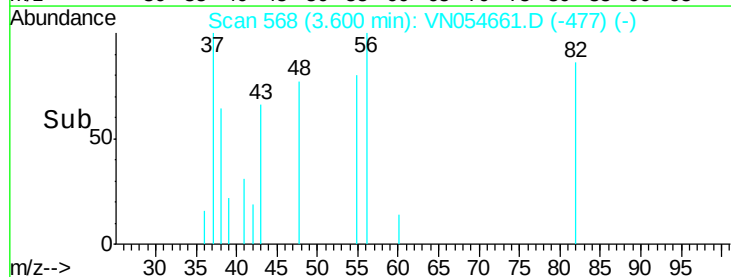
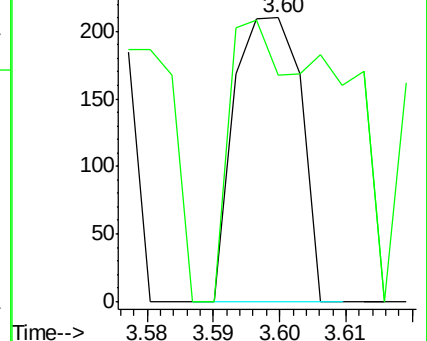
56 100

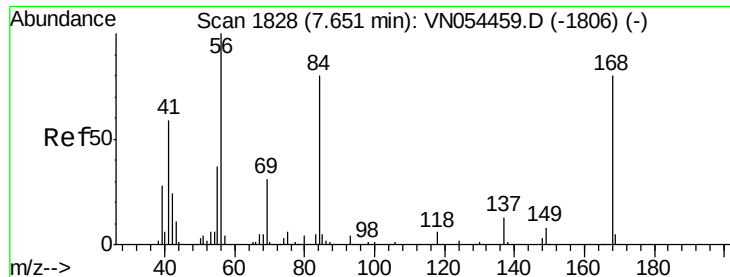
55 98.6 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN054661.D

Acq: 25 Mar 2019 10:11

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBL01

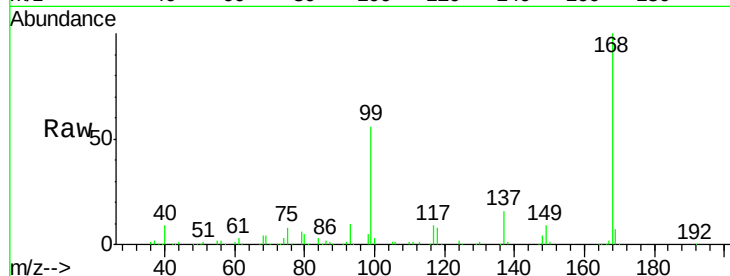
Tot Ion: 56 Resp: 12305

Ion Ratio Lower Upper

56 100

69 170.2 27.8 41.6#

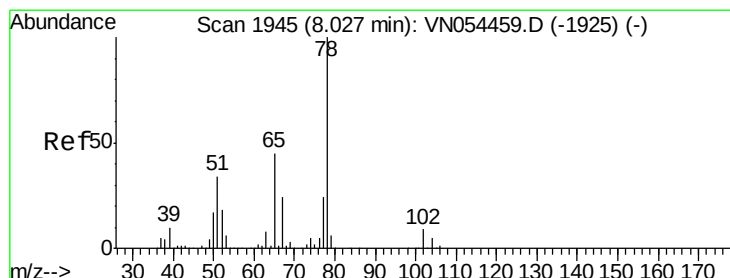
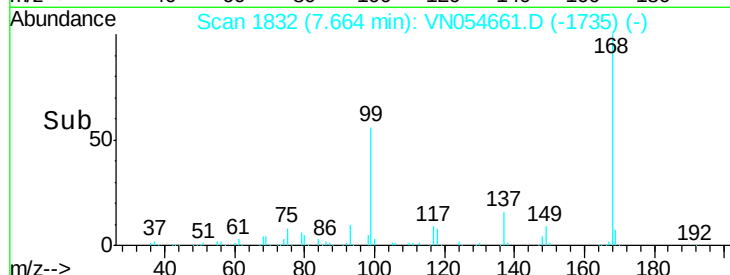
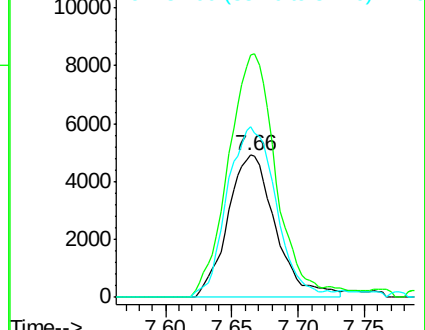
84 119.5 74.6 111.8#



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: 49.539 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054661.D

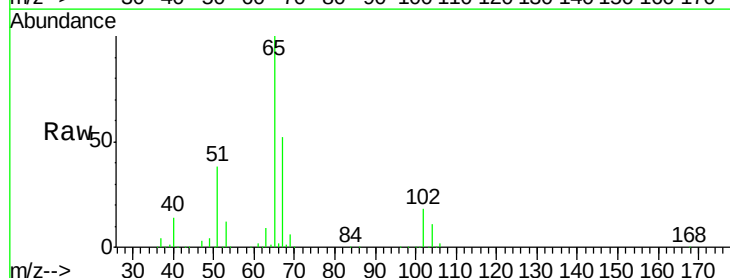
Acq: 25 Mar 2019 10:11

Tgt Ion: 65 Resp: 362339

Ion Ratio Lower Upper

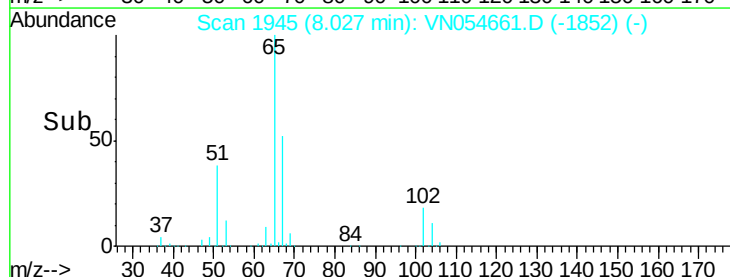
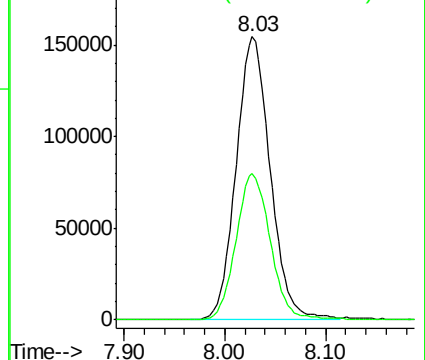
65 100

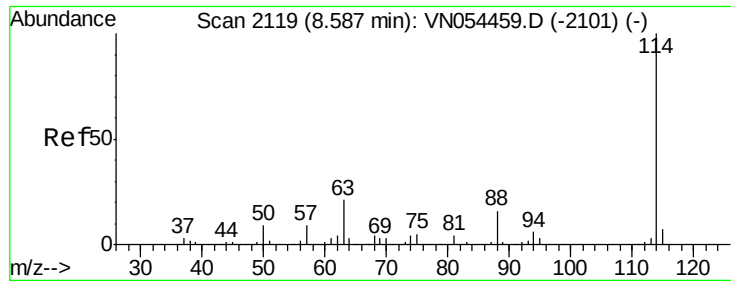
67 52.2 0.0 104.6



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: VN054661.D

Acq: 25 Mar 2019 10:11

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBL01

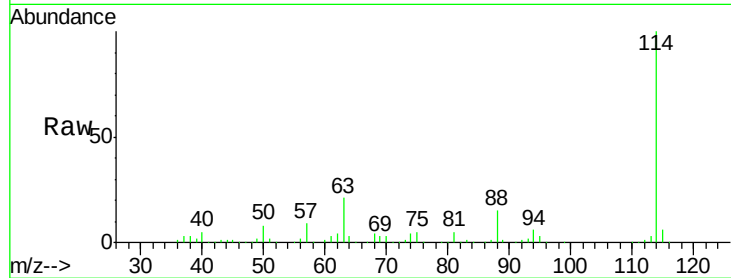
Tot Ion:114 Resp: 904767

Ion Ratio Lower Upper

114 100

63 21.3 0.0 35.2

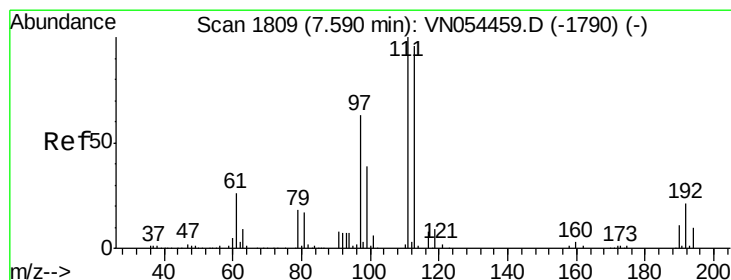
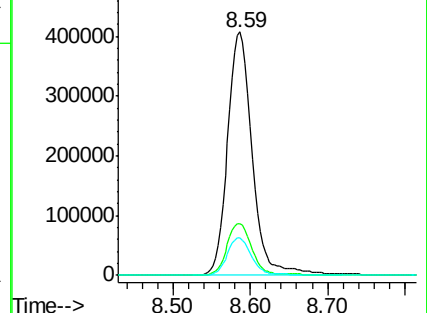
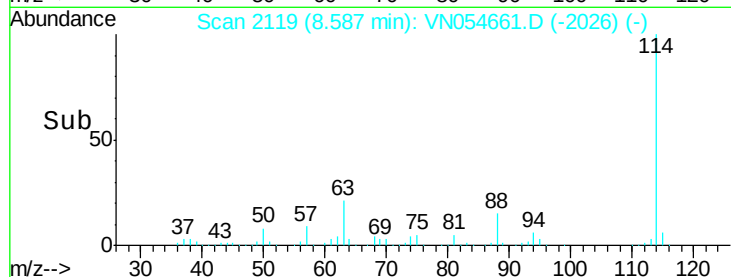
88 15.2 0.0 30.2



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: 48.182 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054661.D

Acq: 25 Mar 2019 10:11

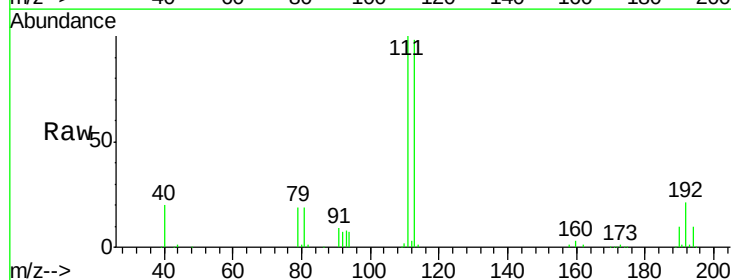
Tgt Ion:113 Resp: 280850

Ion Ratio Lower Upper

113 100

111 104.5 82.2 123.4

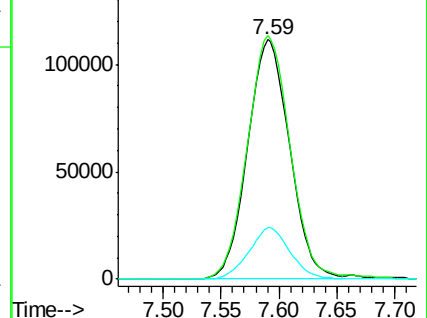
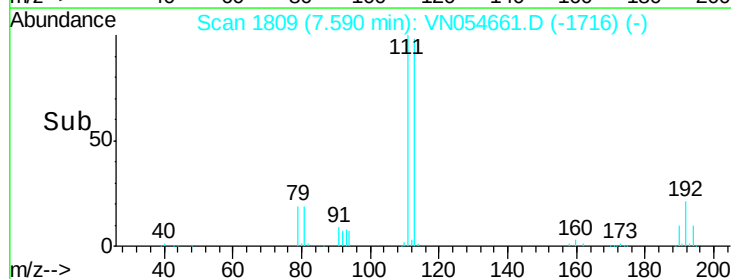
192 21.2 19.2 28.8

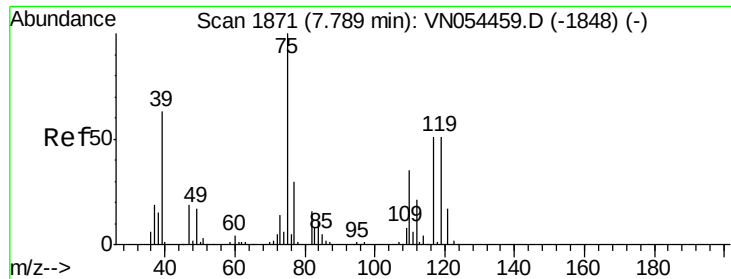


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

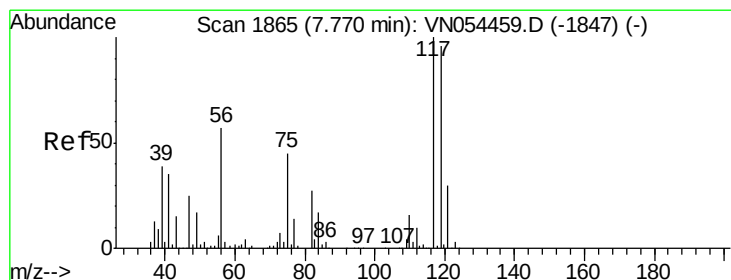
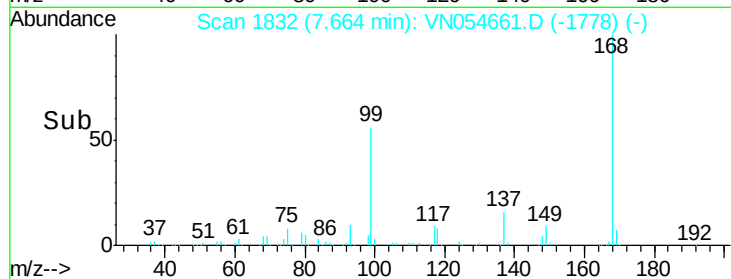
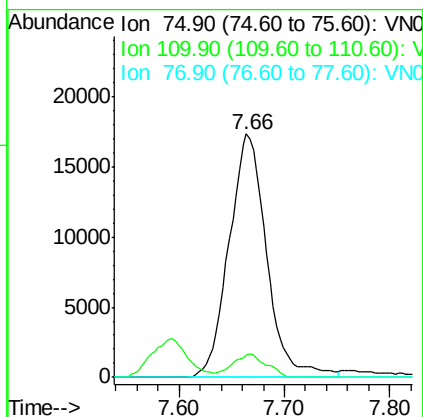
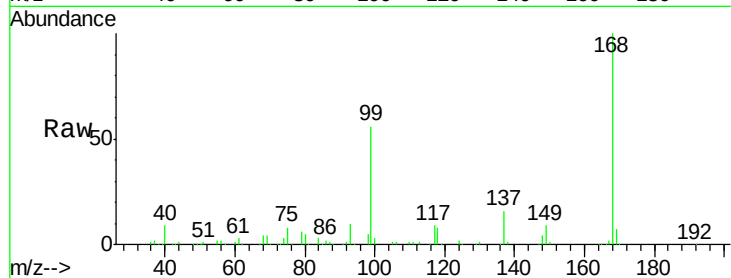




#36
 1,1-Dichloropropene
 Concen: 5.083 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054661.D
 Acq: 25 Mar 2019 10:11

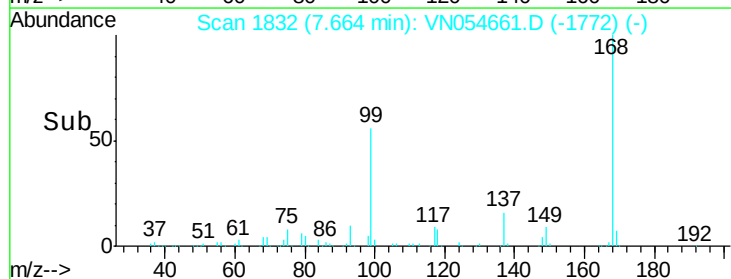
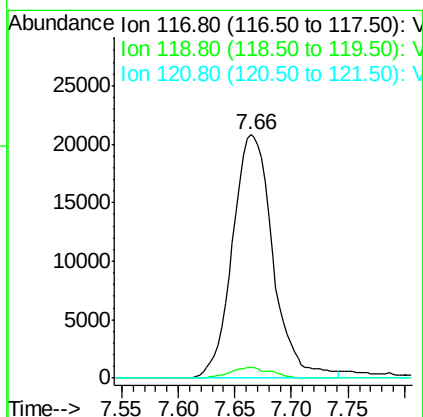
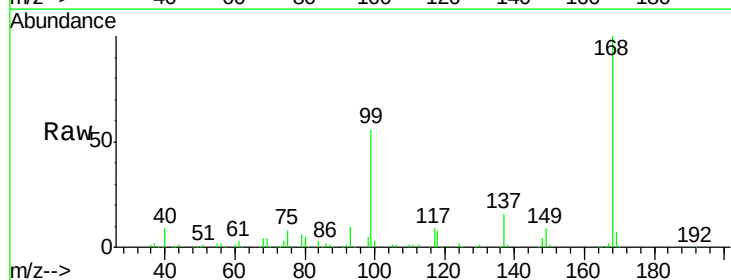
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325WBL01

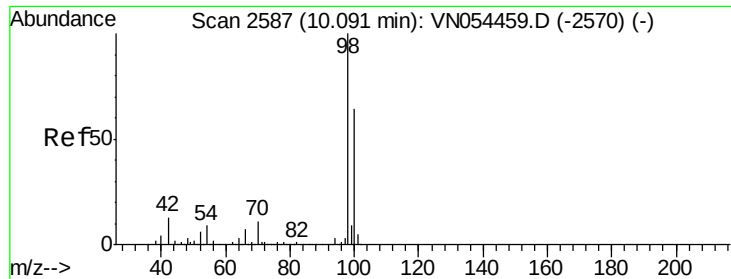
Tot Ion: 75 Resp: 43000
 Ion Ratio Lower Upper
 75 100
 110 8.4 19.1 57.5#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.297 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN054661.D
 Acq: 25 Mar 2019 10:11

Tgt Ion: 117 Resp: 51763
 Ion Ratio Lower Upper
 117 100
 119 4.5 76.3 114.5#
 121 0.0 24.6 36.8#





#50

Toluene-d8

Concen: 49.269 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN054661.D

Acq: 25 Mar 2019 10:11

Instrument :

MSVOA_N

ClientSampleId :

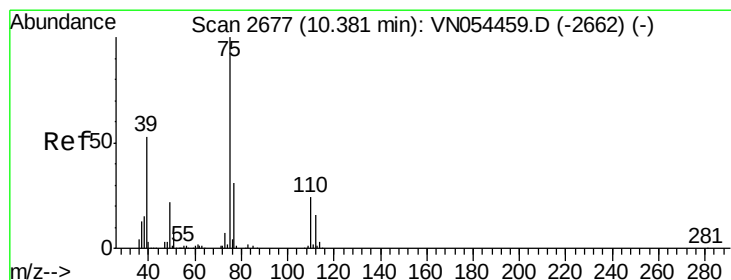
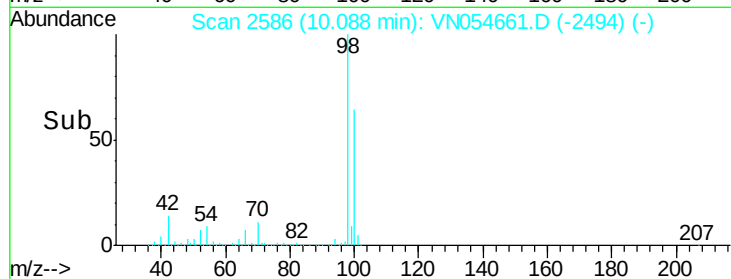
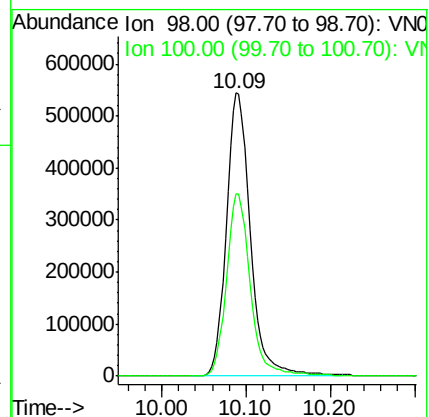
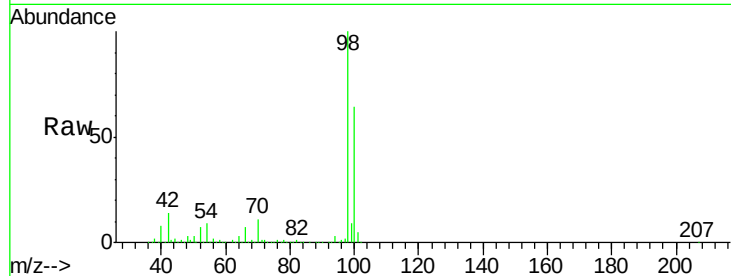
VN0325WBL01

Tot Ion: 98 Resp: 1079654

Ion Ratio Lower Upper

98 100

100 64.2 51.2 76.8



#53

t-1,3-Dichloropropene

Concen: 2.258 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.29 min

Lab File: VN054661.D

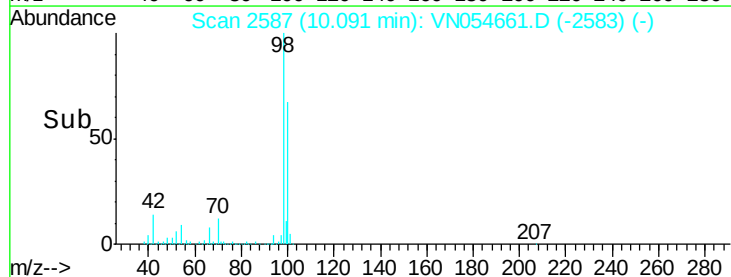
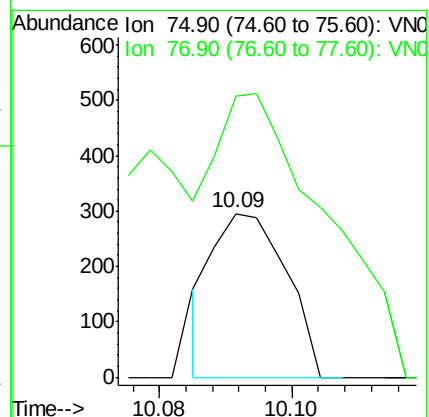
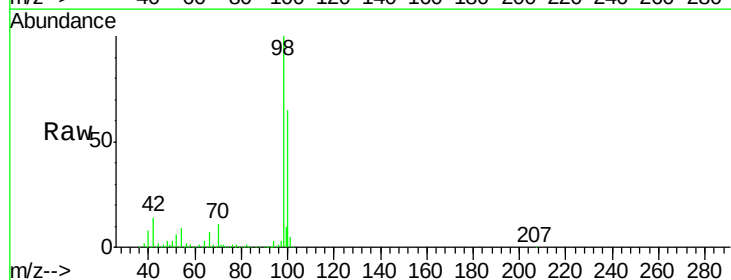
Acq: 25 Mar 2019 10:11

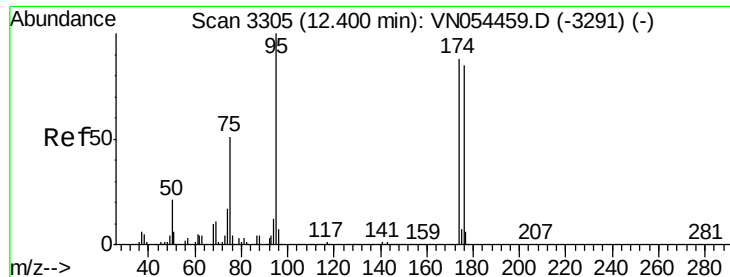
Tgt Ion: 75 Resp: 229

Ion Ratio Lower Upper

75 100

77 82.0 25.8 38.8#





#62

4-Bromofluorobenzene

Concen: 45.277 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054661.D

Acq: 25 Mar 2019 10:11

Instrument :

MSVOA_N

ClientSampled :

VN0325WBL01

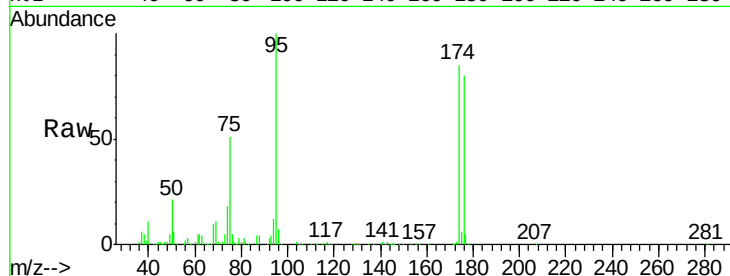
Tot Ion: 95 Resp: 337619

Ion Ratio Lower Upper

95 100

174 83.8 0.0 191.0

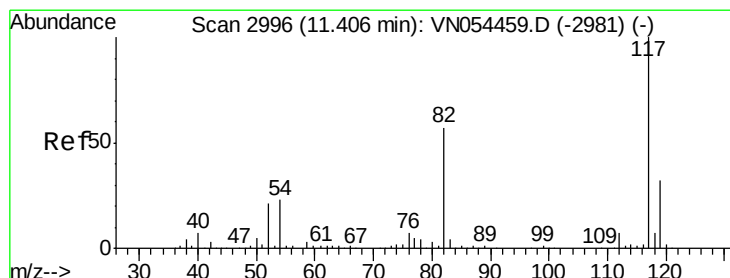
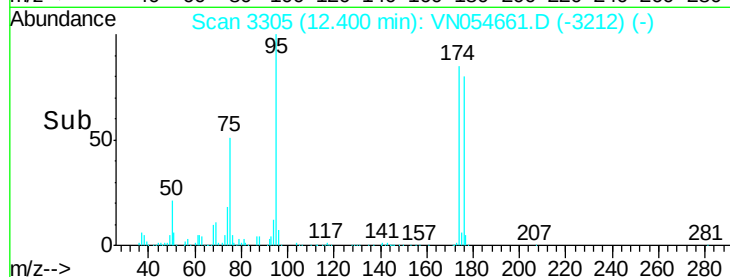
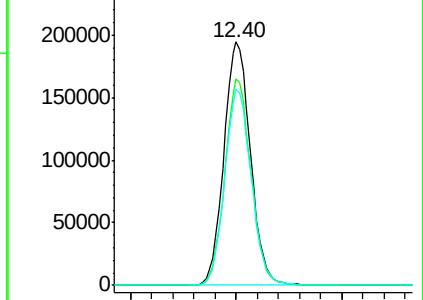
176 80.4 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054459.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN054459.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN054459.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054661.D

Acq: 25 Mar 2019 10:11

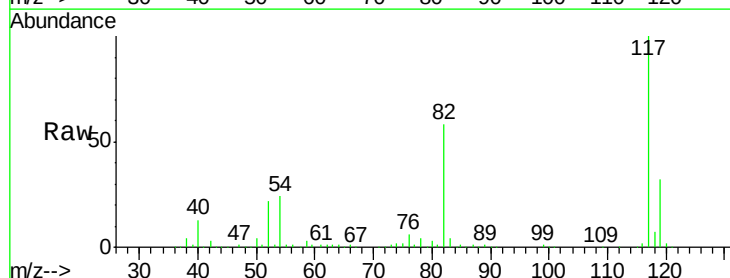
Tgt Ion: 117 Resp: 763258

Ion Ratio Lower Upper

117 100

82 58.0 40.0 60.0

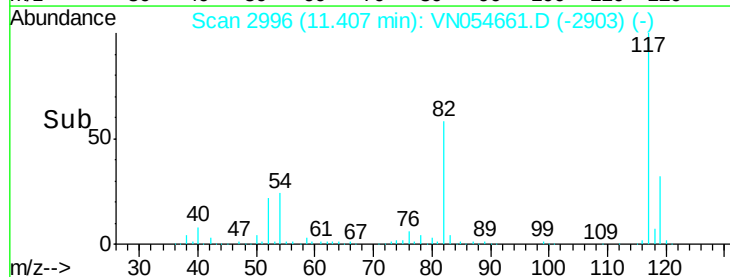
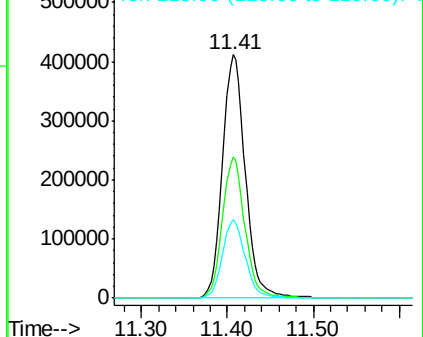
119 32.1 25.8 38.6

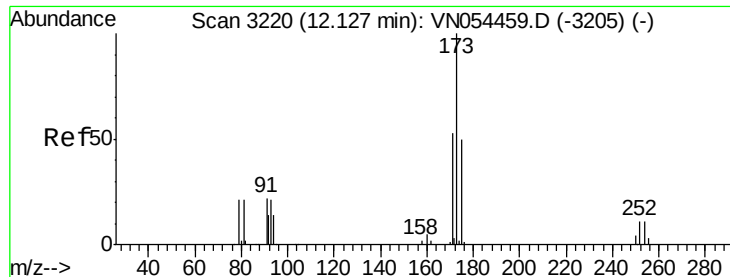


Abundance Ion 116.90 (116.60 to 117.60): VN054459.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN054459.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN054459.D (-2981) (-)





#71

Bromoform

Concen: 3.171 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN054661.D

Acq: 25 Mar 2019 10:11

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBL01

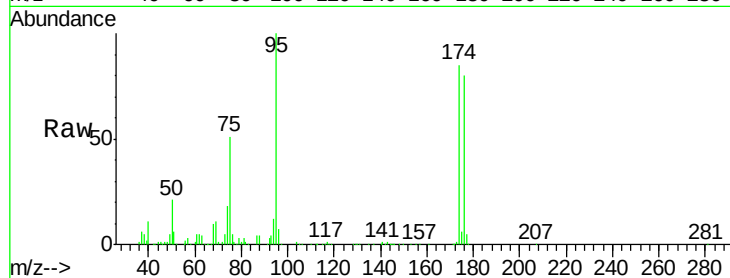
Tot Ion:173 Resp: 3823

Ion Ratio Lower Upper

173 100

175 499.4 24.4 73.2#

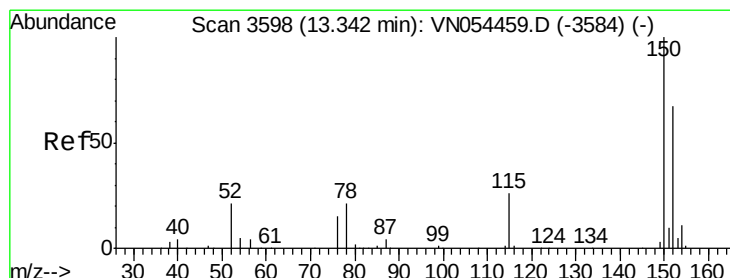
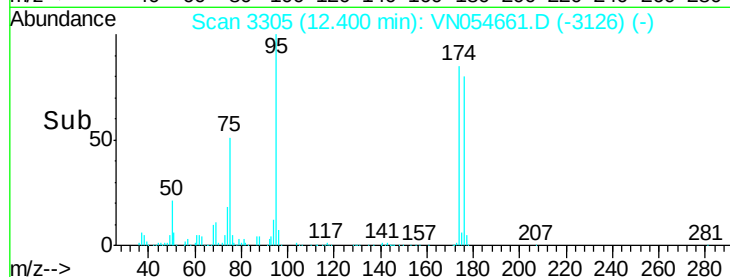
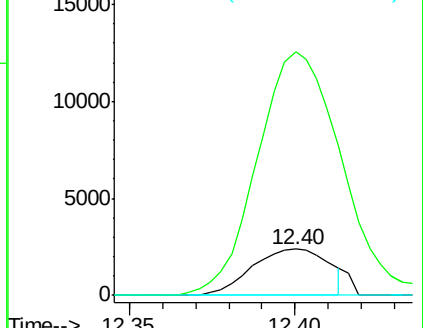
254 0.0 0.1 0.1#



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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054661.D

Acq: 25 Mar 2019 10:11

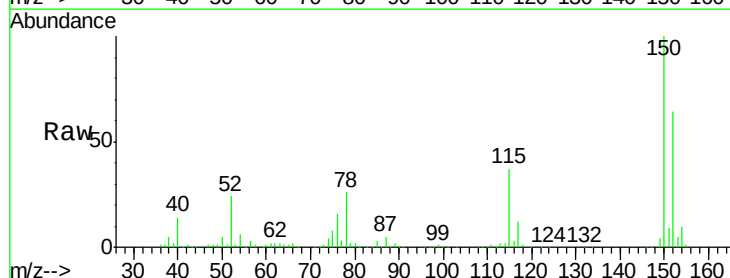
Tgt Ion:152 Resp: 274896

Ion Ratio Lower Upper

152 100

115 57.9 27.2 81.6

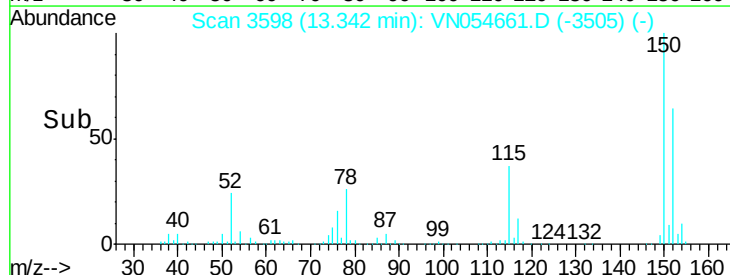
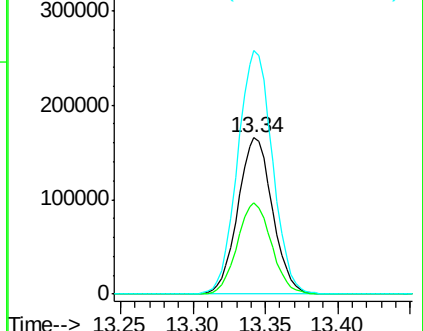
150 156.8 0.0 349.2

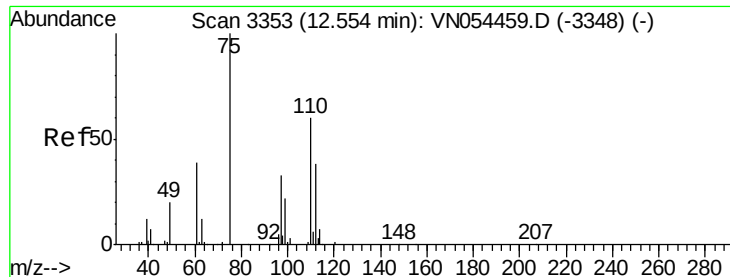


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 40.001 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054661.D

Acq: 25 Mar 2019 10:11

Instrument :

MSVOA_N

ClientSampled :

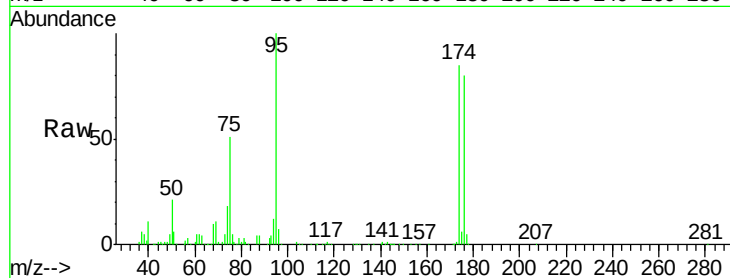
VN0325WBL01

Tot Ion: 75 Resp: 174492

Ion Ratio Lower Upper

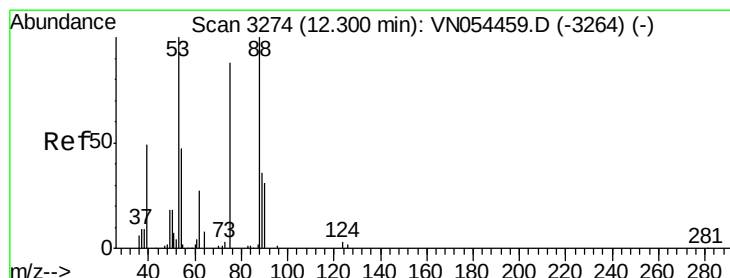
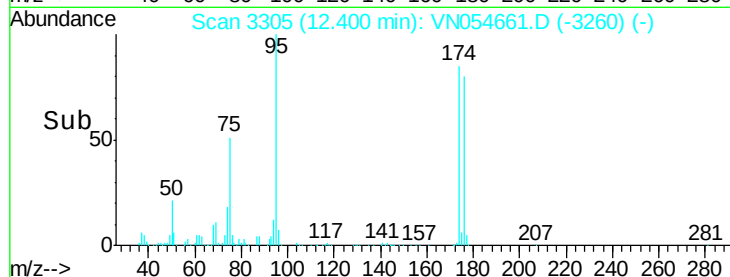
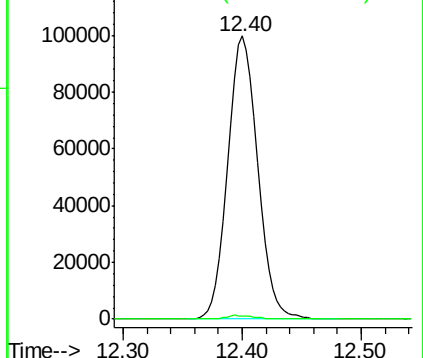
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 132.322 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054661.D

Acq: 25 Mar 2019 10:11

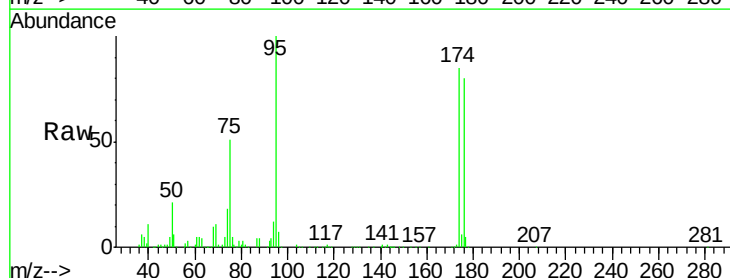
Tgt Ion: 75 Resp: 174492

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

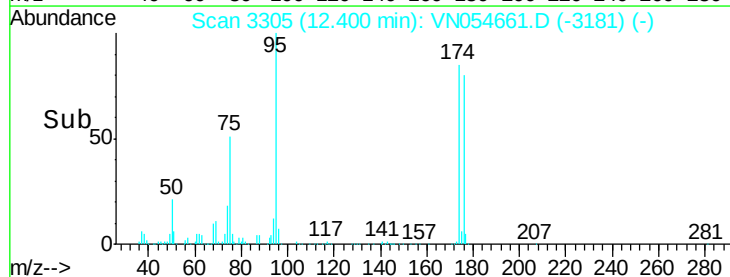
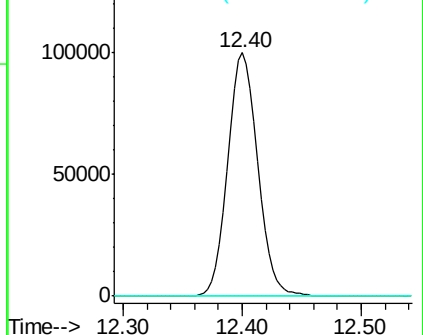
89 0.0 39.2 58.8#

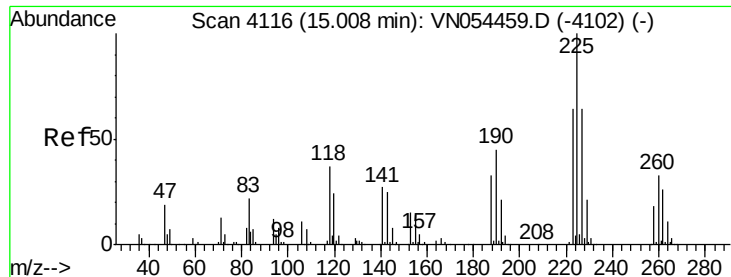


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4118

Delta R.T. 0.01 min

Lab File: VN054661.D

Acq: 25 Mar 2019 10:11

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBL01

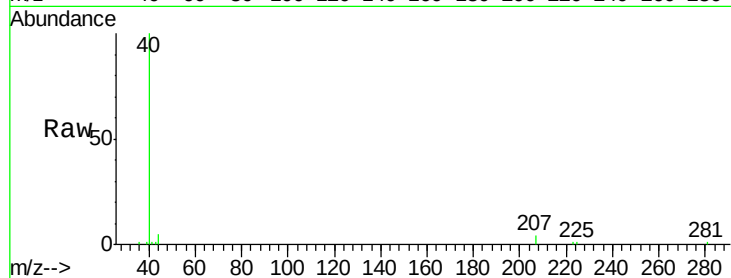
Tot Ion: 225 Resp: 240

Ion Ratio Lower Upper

225 100

223 60.0 31.1 93.5

227 40.0 31.9 95.9



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

