

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020119\
 Data File : VN053574.D
 Acq On : 1 Feb 2019 14:06
 Operator : JC/SP
 Sample : VN0201WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0201WBL01

Quant Time: Feb 01 22:49:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	713349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1147749	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1013800	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	410355	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	374779	52.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.74%	
35) Dibromofluoromethane	7.59	113	371264	51.19	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.38%	
50) Toluene-d8	10.09	98	1373295	50.43	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.86%	
62) 4-Bromofluorobenzene	12.40	95	438021	48.23	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.46%	

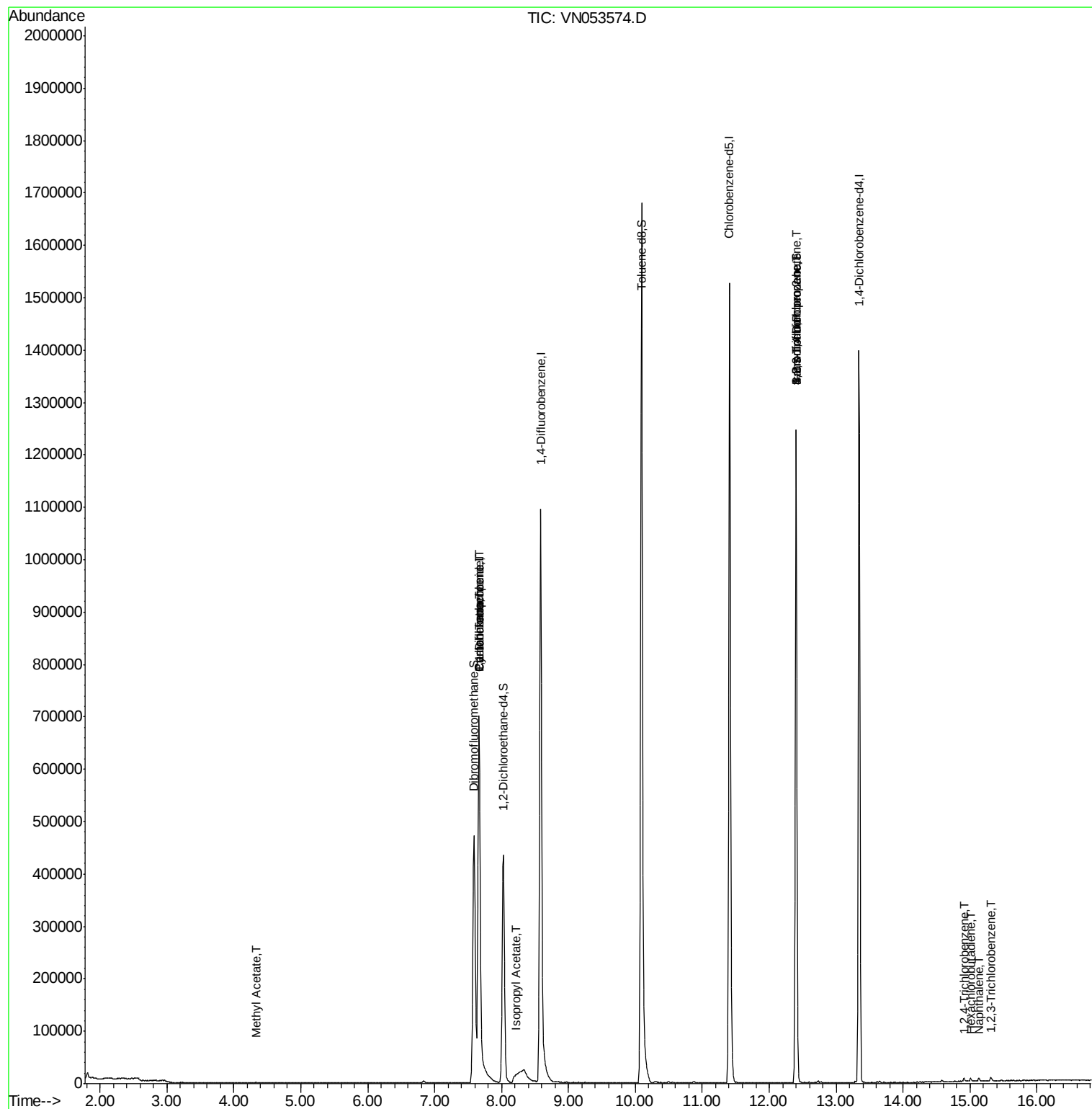
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Methyl Acetate	4.34	43	3194	0.588	ug/l #	71
31) Cyclohexane	7.66	56	10137	0.670	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	43008	4.157	ug/l #	49
38) Carbon Tetrachloride	7.66	117	56790	5.449	ug/l #	16
43) Isopropyl Acetate	8.21	43	14257	1.278	ug/l #	51
71) Bromoform	12.40	173	3038	0.589	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	201029	38.140	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	201029	107.248	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	2246	0.293	ug/l #	84
94) Hexachlorobutadiene	15.01	225	1710	0.358	ug/l	91
95) Naphthalene	15.13	128	5268	2.018	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	3003	0.422	ug/l	93

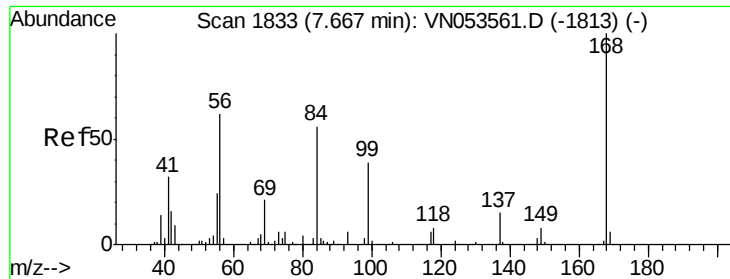
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Feb 01 09:11:52 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: VN053574.D

Acq: 1 Feb 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

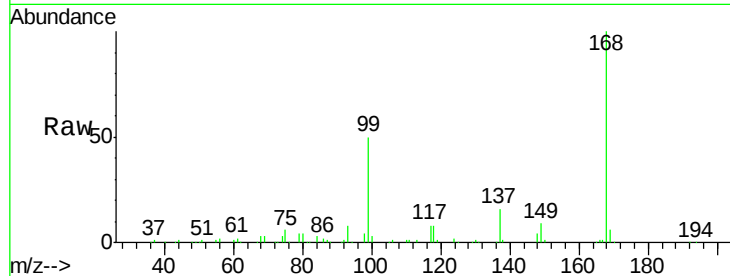
VN0201WBL01

Tot Ion:168 Resp: 713349

Ion Ratio Lower Upper

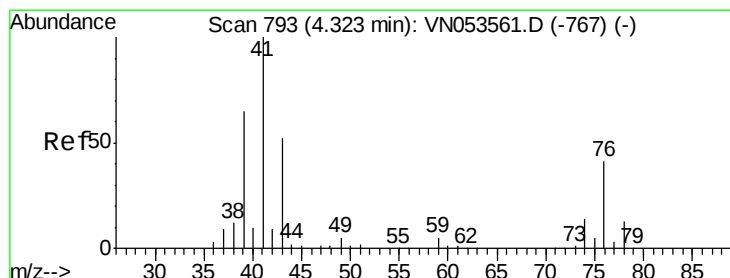
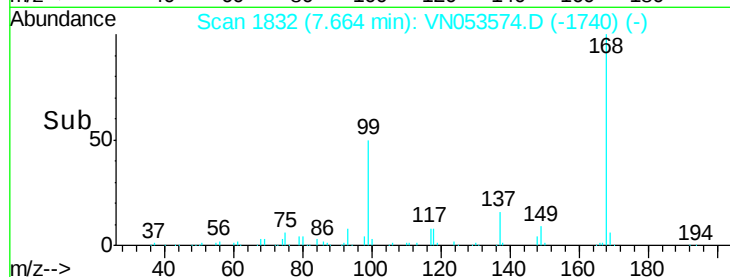
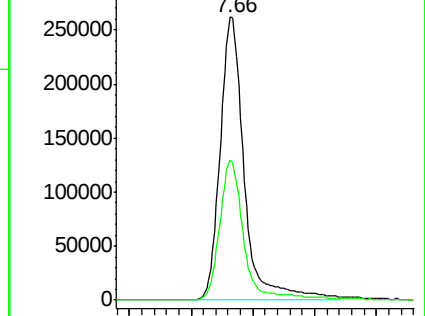
168 100

99 49.6 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#18

Methyl Acetate

Concen: 0.588 ug/l

RT: 4.34 min Scan# 799

Delta R.T. 0.02 min

Lab File: VN053574.D

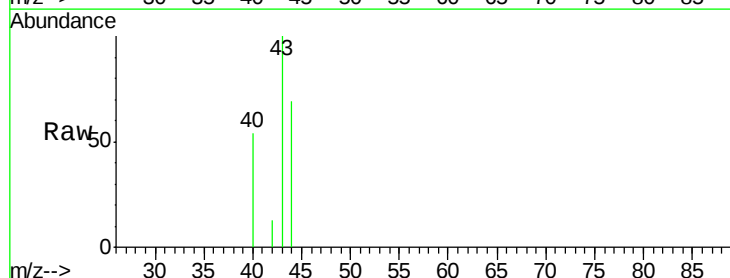
Acq: 1 Feb 2019 14:06

Tgt Ion: 43 Resp: 3194

Ion Ratio Lower Upper

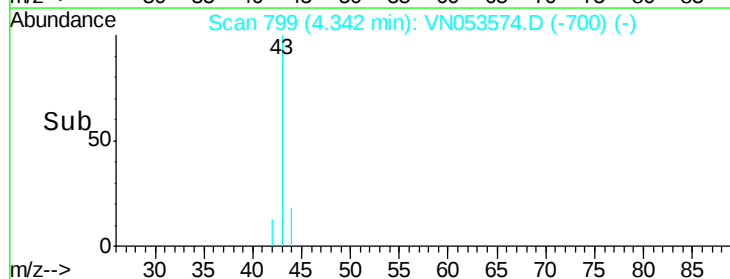
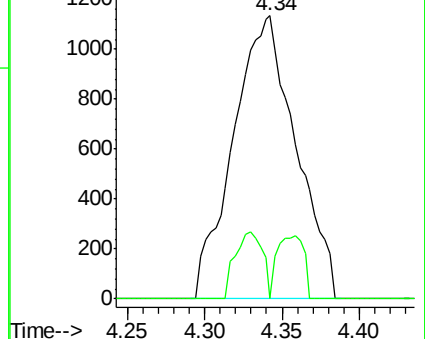
43 100

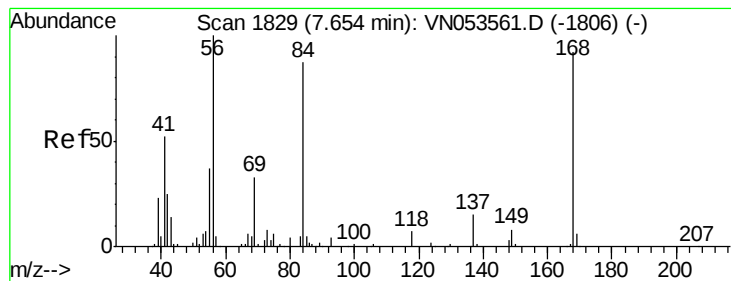
74 10.1 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





#31

Cyclohexane

Concen: 0.670 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN053574.D

Acq: 1 Feb 2019 14:06

Instrument :

MSVOA_N

ClientSampled :

VN0201WBL01

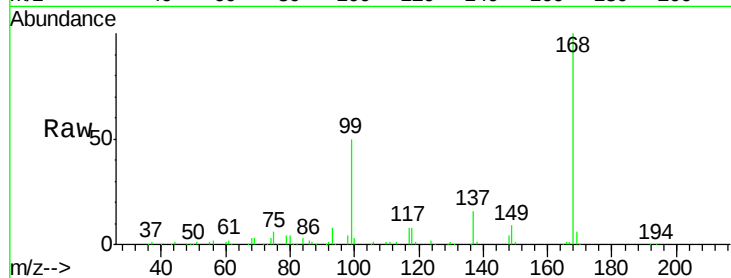
Tot Ion: 56 Resp: 10137

Ion Ratio Lower Upper

56 100

69 205.5 26.4 39.6#

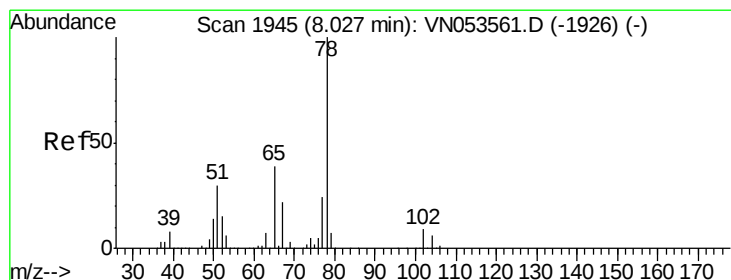
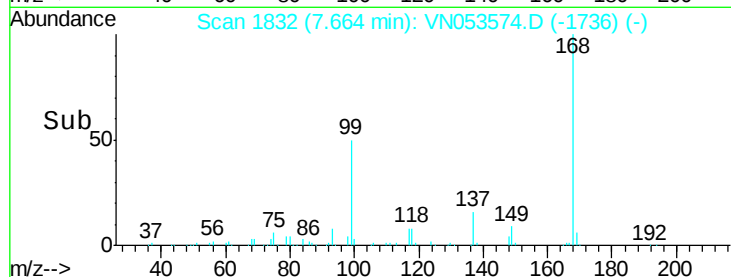
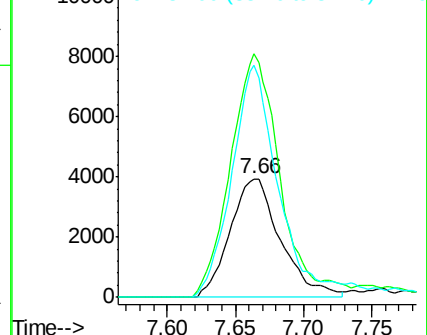
84 195.6 67.9 101.9#



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: N.D. ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053574.D

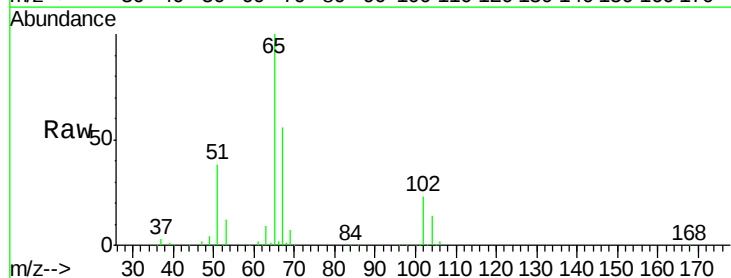
Acq: 1 Feb 2019 14:06

Tgt Ion: 65 Resp: 374779

Ion Ratio Lower Upper

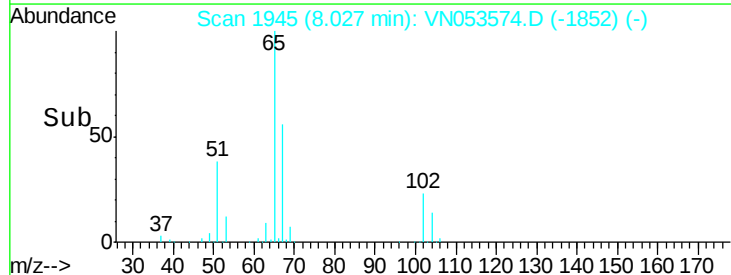
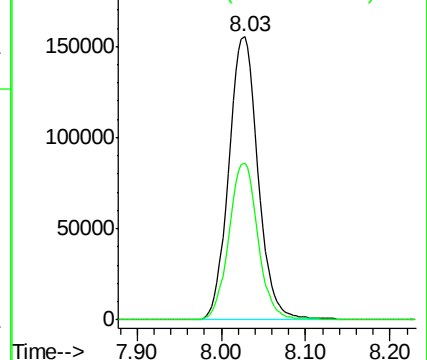
65 100

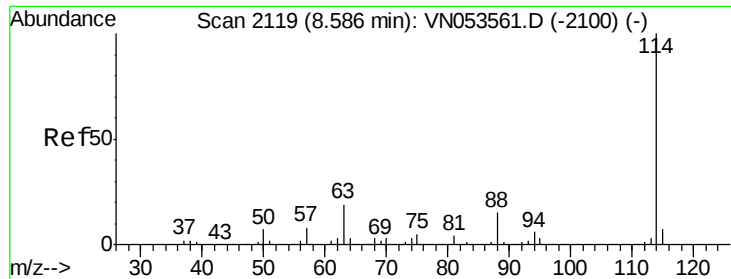
67 54.8 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

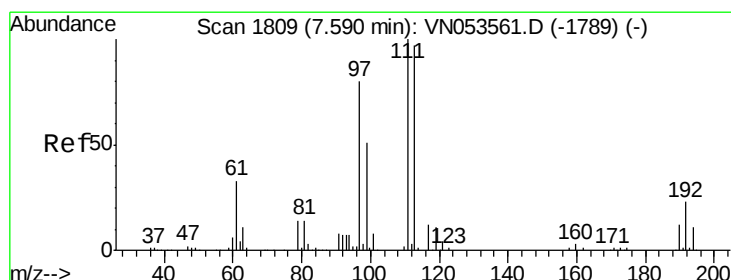
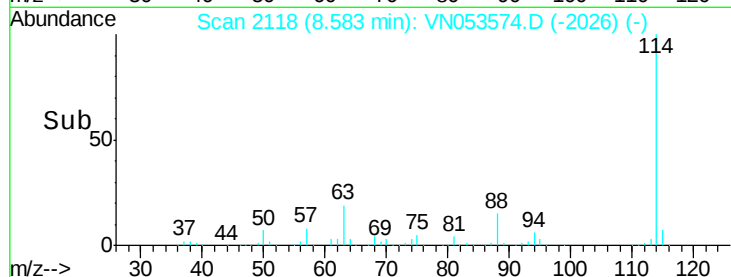
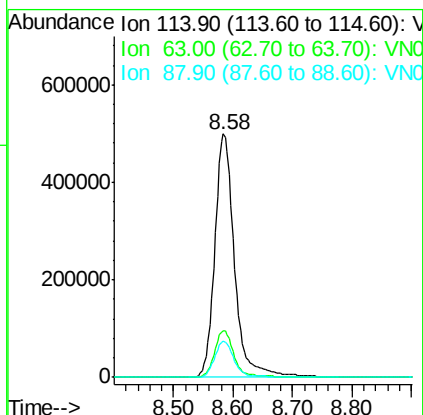
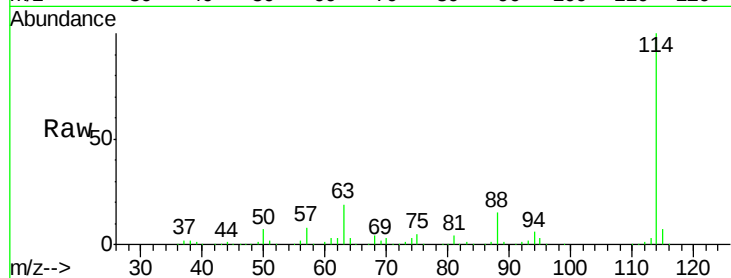




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN053574.D
Acq: 1 Feb 2019 14:06

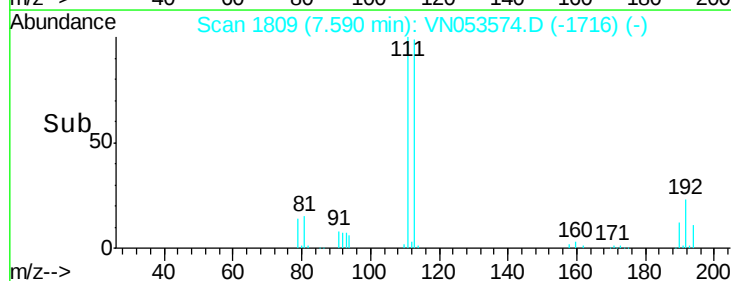
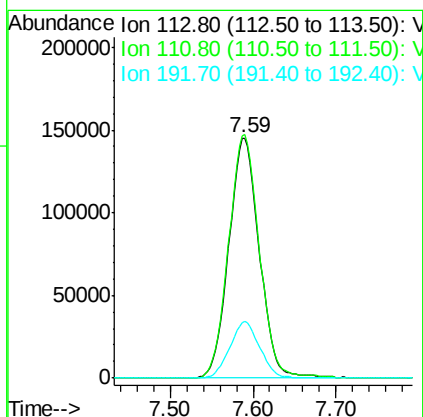
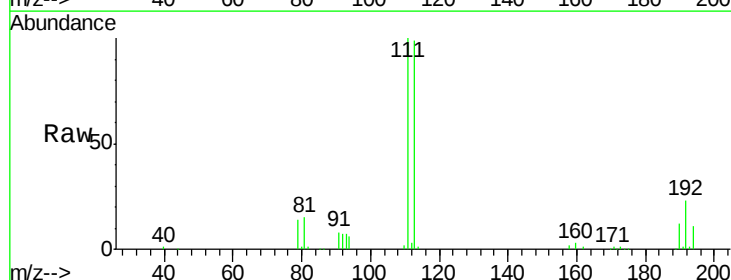
Instrument :
MSVOA_N
ClientSampleId :
VN0201WBL01

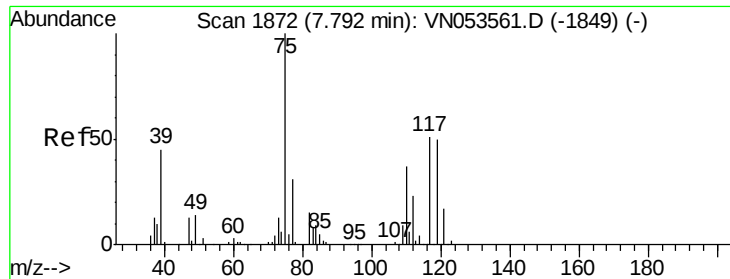
Tot Ion:114 Resp: 1147749
Ion Ratio Lower Upper
114 100
63 19.3 0.0 38.6
88 14.9 0.0 30.4



#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN053574.D
Acq: 1 Feb 2019 14:06

Tgt Ion:113 Resp: 371264
Ion Ratio Lower Upper
113 100
111 101.3 81.1 121.7
192 23.3 18.2 27.2

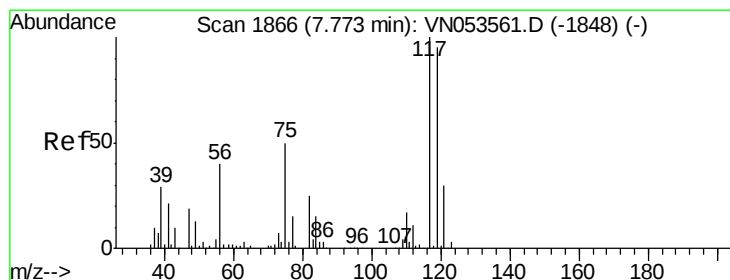
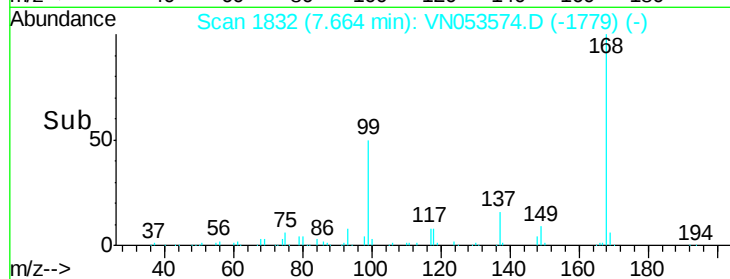
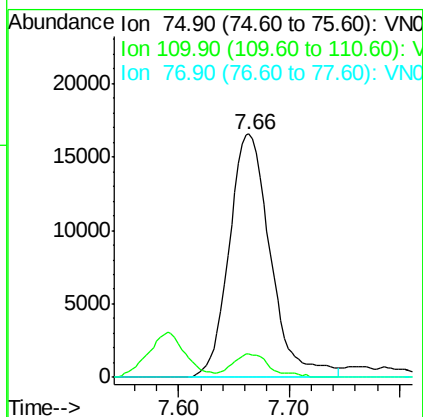
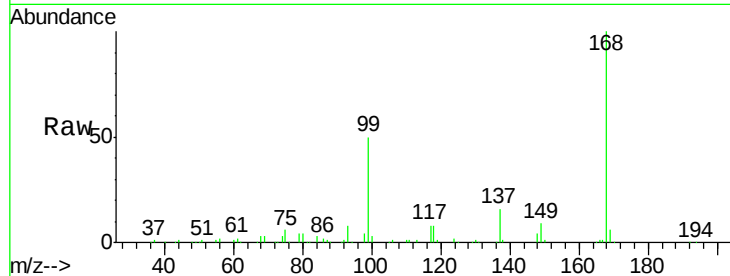




#36
 1,1-Dichloropropene
 Concen: 4.157 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN053574.D
 Acq: 1 Feb 2019 14:06

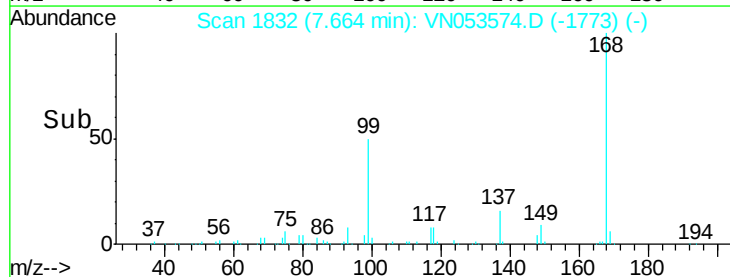
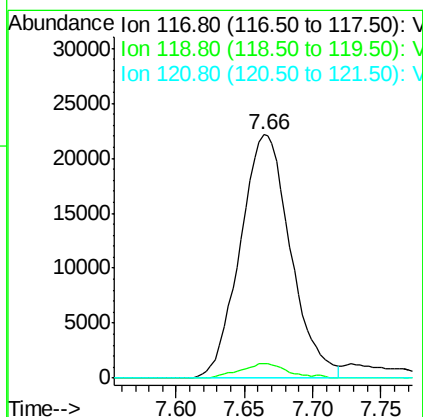
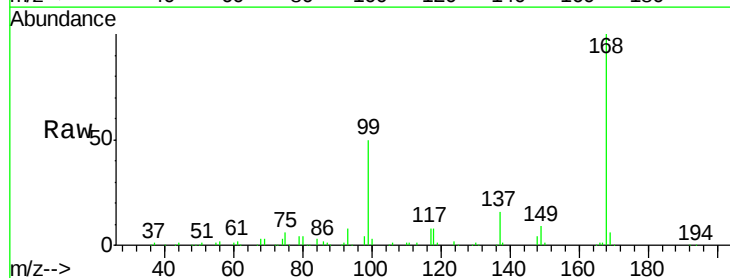
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0201WBL01

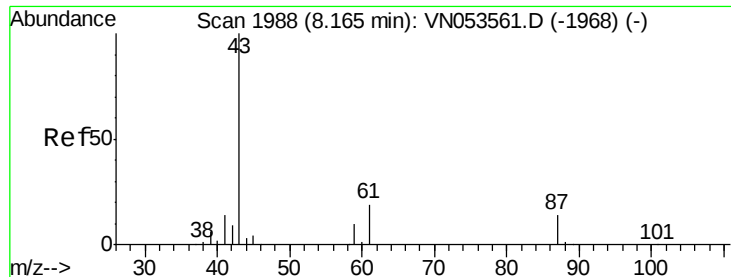
Tot Ion: 75 Resp: 43008
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.1 54.3#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 5.449 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN053574.D
 Acq: 1 Feb 2019 14:06

Tgt Ion: 117 Resp: 56790
 Ion Ratio Lower Upper
 117 100
 119 6.1 77.2 115.8#
 121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 1.278 ug/l

RT: 8.21 min Scan# 2003

Delta R.T. 0.05 min

Lab File: VN053574.D

Acq: 1 Feb 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0201WBL01

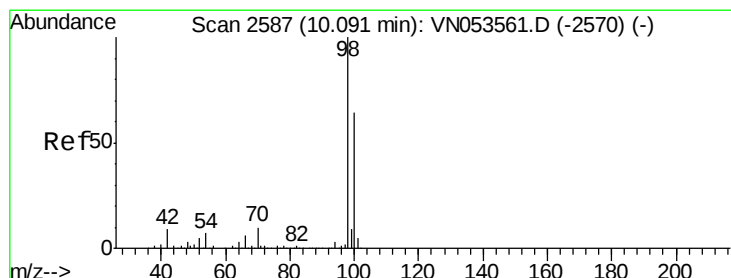
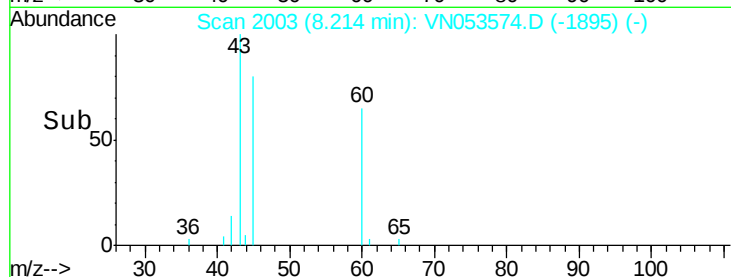
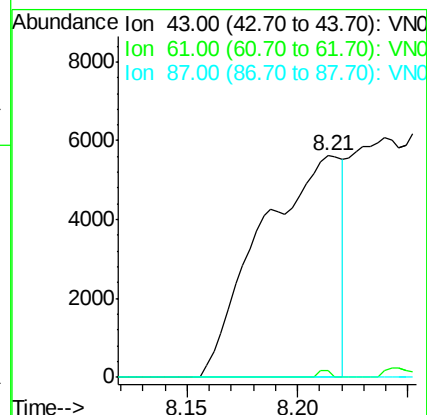
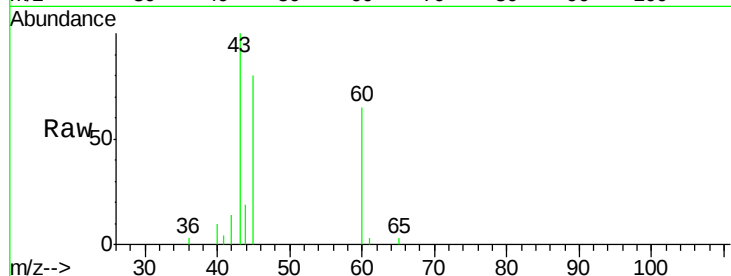
Tot Ion: 43 Resp: 14257

Ion Ratio Lower Upper

43 100

61 0.0 23.9 35.9#

87 0.0 11.0 16.6#



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053574.D

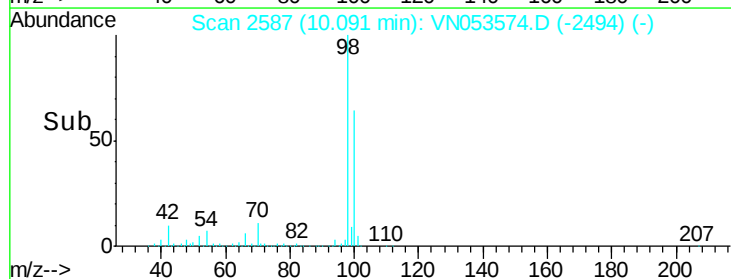
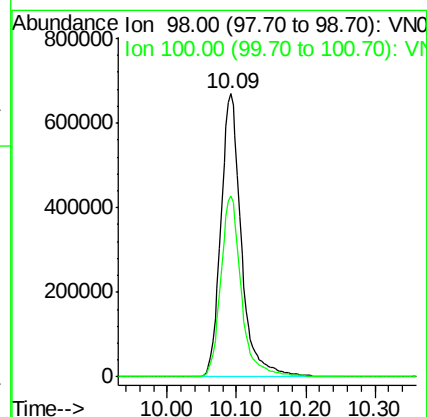
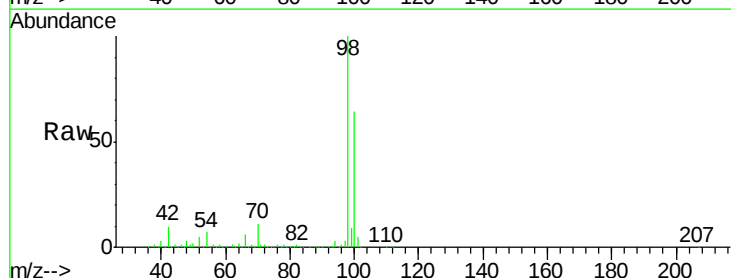
Acq: 1 Feb 2019 14:06

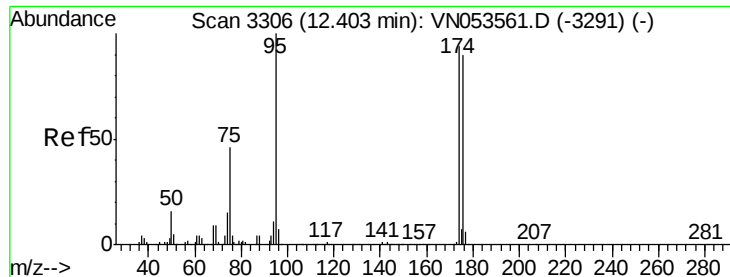
Tgt Ion: 98 Resp: 1373295

Ion Ratio Lower Upper

98 100

100 64.1 51.4 77.0





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053574.D

Acq: 1 Feb 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0201WBL01

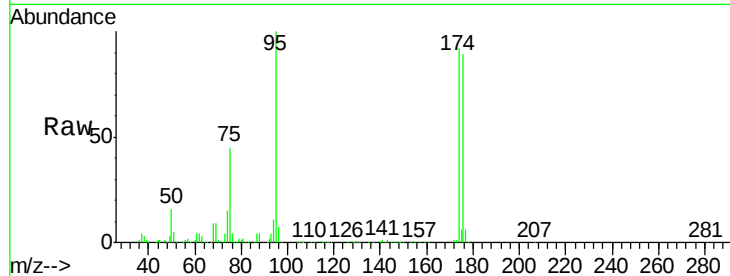
Tot Ion: 95 Resp: 438021

Ion Ratio Lower Upper

95 100

174 93.4 0.0 183.2

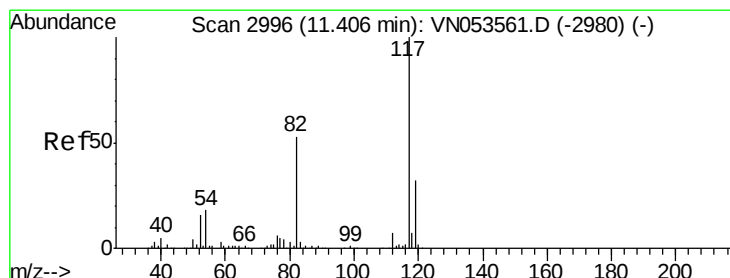
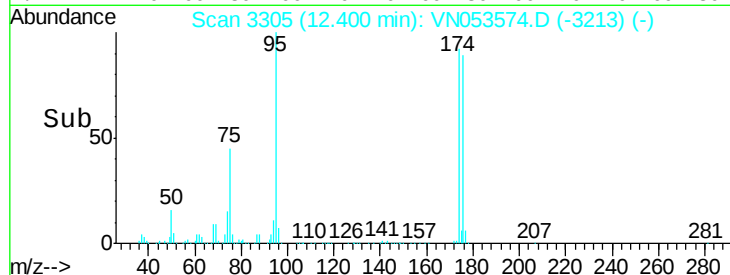
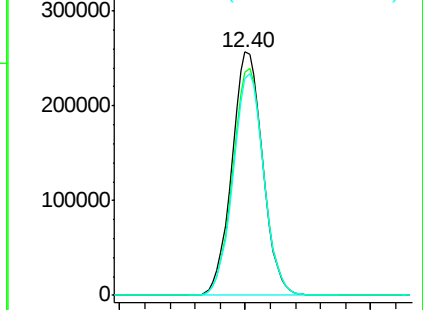
176 90.8 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN053561.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN053561.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN053561.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053574.D

Acq: 1 Feb 2019 14:06

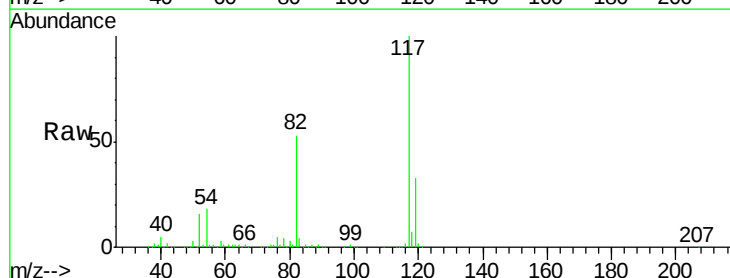
Tgt Ion: 117 Resp: 1013800

Ion Ratio Lower Upper

117 100

82 53.5 42.9 64.3

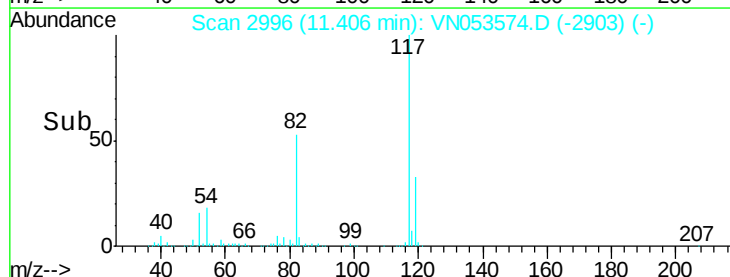
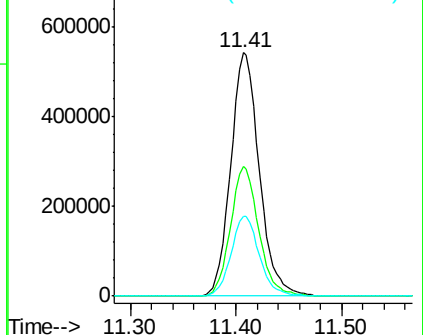
119 32.9 26.0 39.0

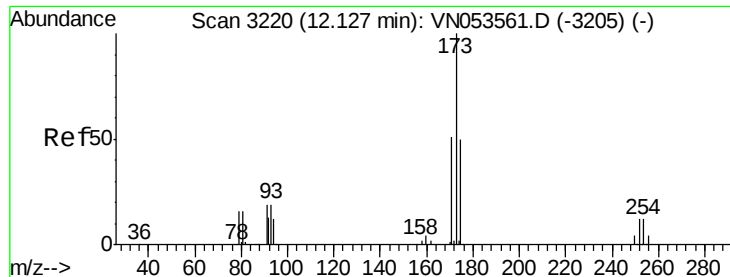


Abundance Ion 116.90 (116.60 to 117.60): VN053561.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN053561.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN053561.D (-2980) (-)





#71

Bromoform

Concen: 0.589 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN053574.D

Acq: 1 Feb 2019 14:06

Instrument :

MSVOA_N

ClientSampled :

VN0201WBL01

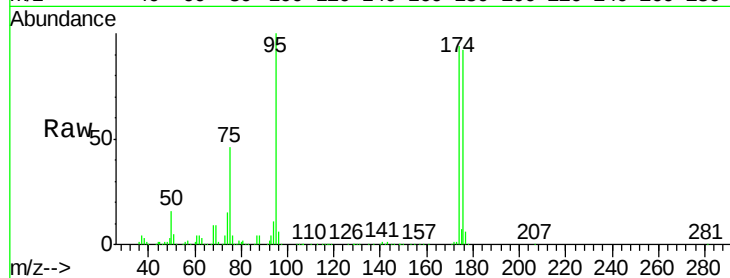
Tot Ion:173 Resp: 3038

Ion Ratio Lower Upper

173 100

175 842.3 24.6 74.0#

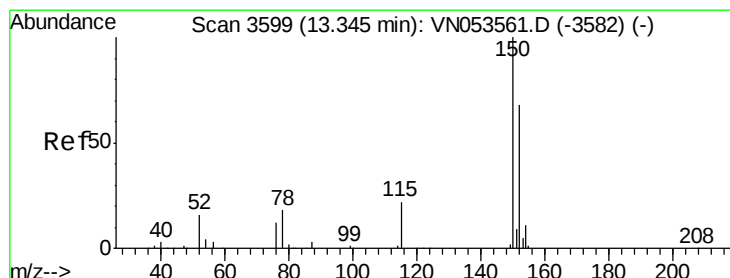
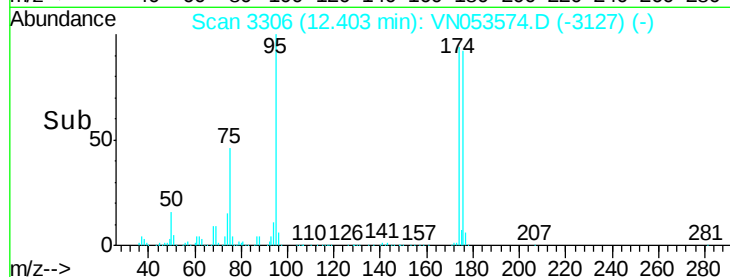
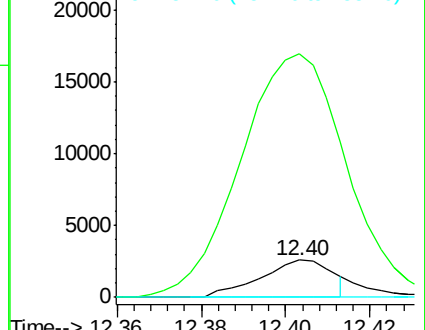
254 0.0 0.2 0.2#



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: VN053574.D

Acq: 1 Feb 2019 14:06

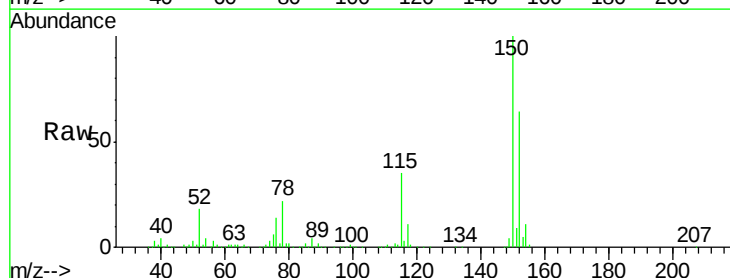
Tgt Ion:152 Resp: 410355

Ion Ratio Lower Upper

152 100

115 54.9 27.8 83.4

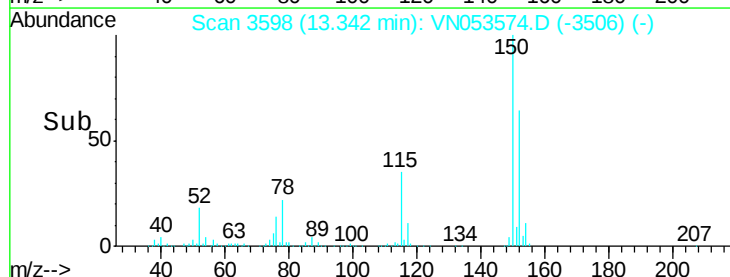
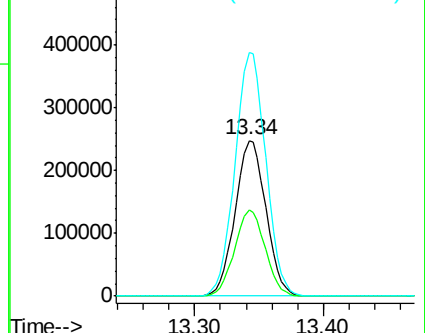
150 156.6 0.0 349.0

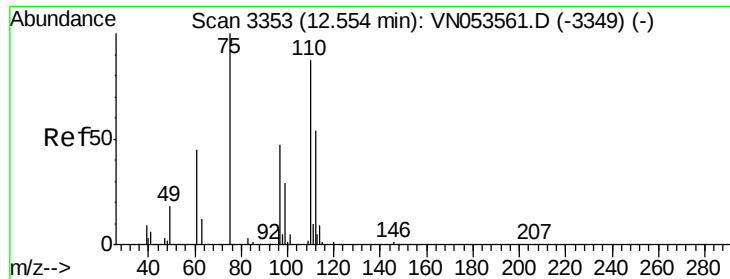


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 38.140 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053574.D

Acq: 1 Feb 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

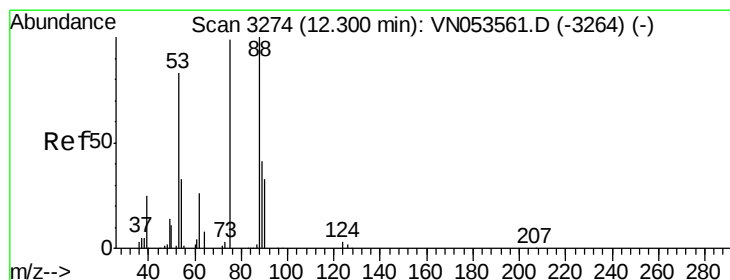
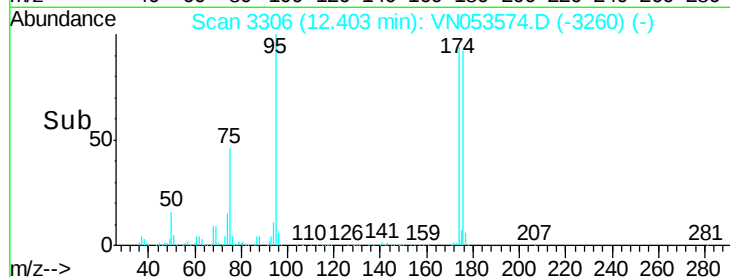
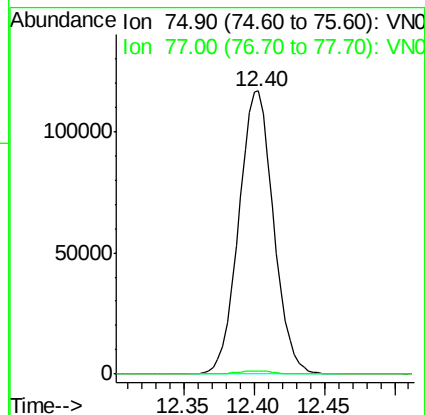
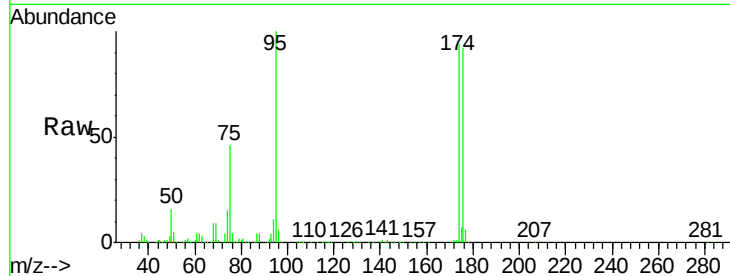
VN0201WBL01

Tot Ion: 75 Resp: 201029

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 107.248 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN053574.D

Acq: 1 Feb 2019 14:06

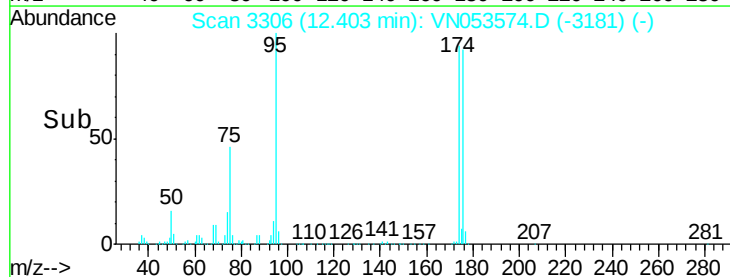
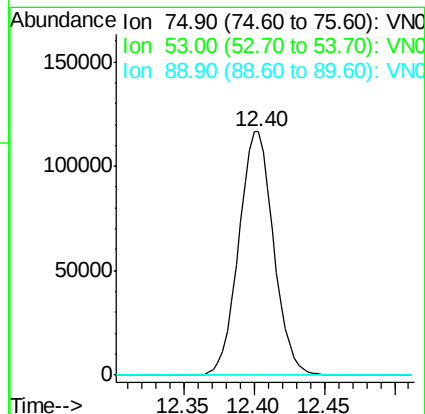
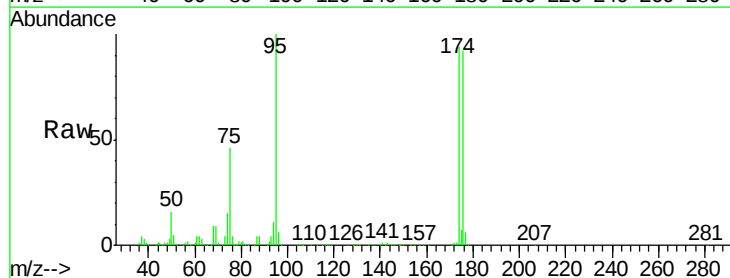
Tgt Ion: 75 Resp: 201029

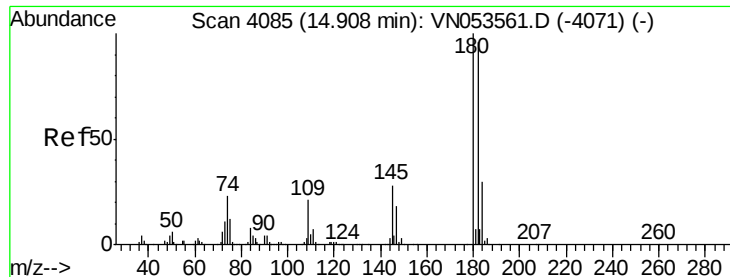
Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

89 0.0 35.6 53.4#

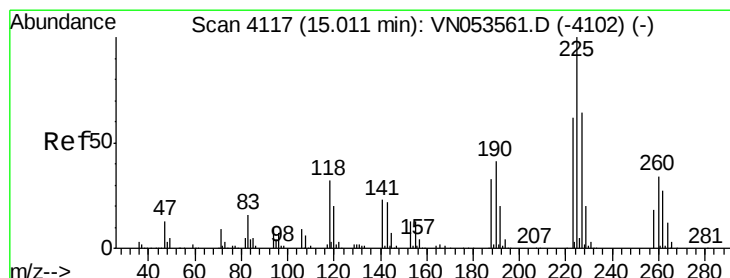
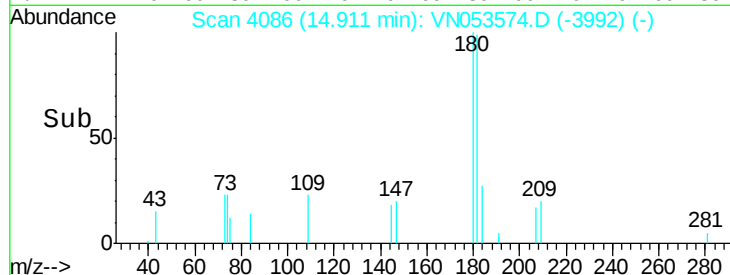
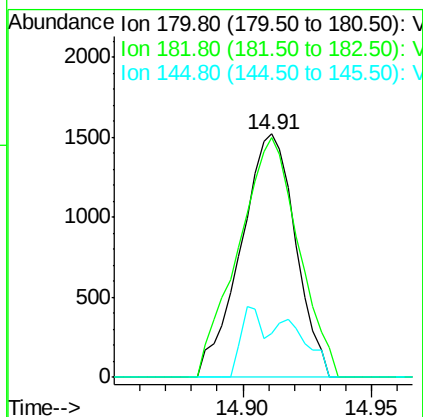
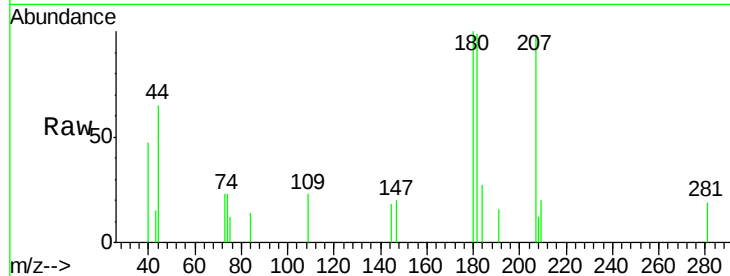




#93
 1,2,4-Trichlorobenzene
 Concen: 0.293 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053574.D
 Acq: 1 Feb 2019 14:06

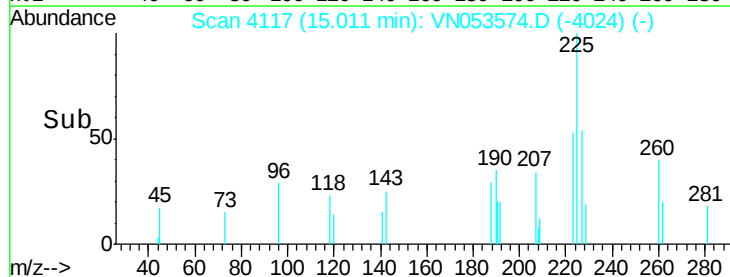
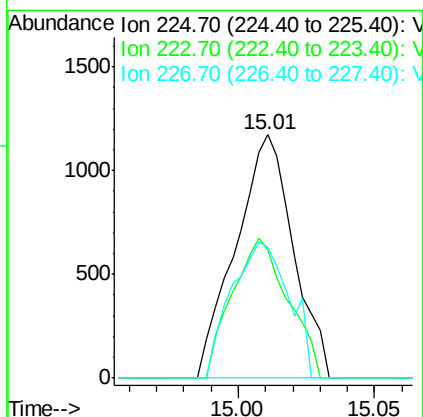
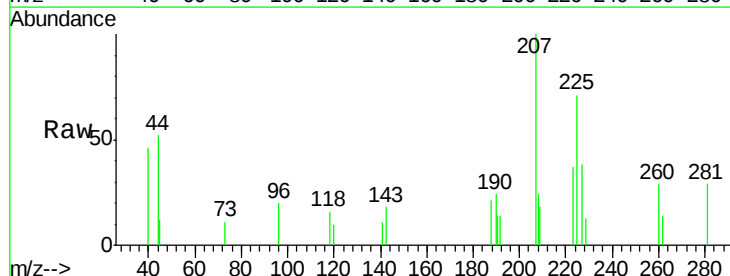
Instrument :
 MSVOA_N
 ClientSampled :
 VN0201WBL01

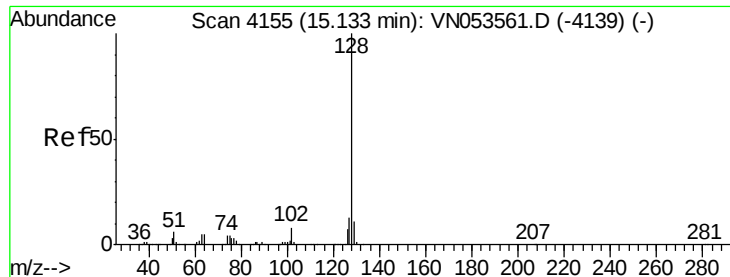
Tot Ion:180 Resp: 2246
 Ion Ratio Lower Upper
 180 100
 182 108.3 48.1 144.3
 145 13.4 13.9 41.6#



#94
 Hexachlorobutadiene
 Concen: 0.358 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053574.D
 Acq: 1 Feb 2019 14:06

Tgt Ion:225 Resp: 1710
 Ion Ratio Lower Upper
 225 100
 223 56.1 31.1 93.2
 227 56.5 32.0 96.2

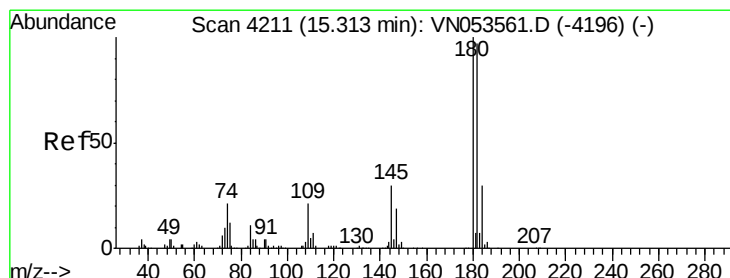
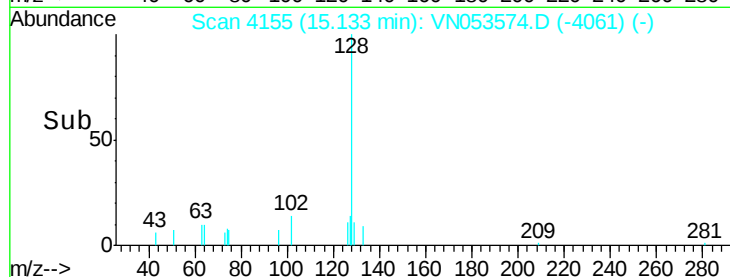
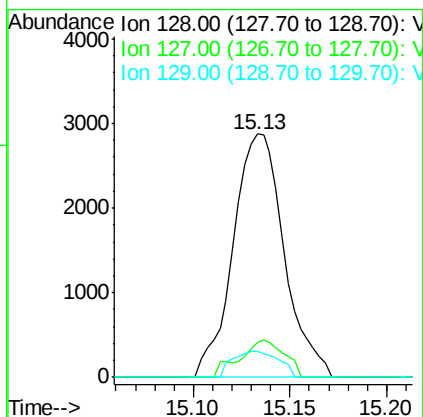
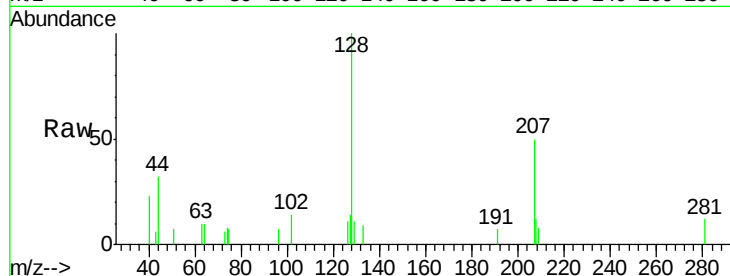




#95
Naphthalene
Concen: 2.018 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053574.D
Acq: 1 Feb 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0201WBL01

Tot Ion:128 Resp: 5268
Ion Ratio Lower Upper
128 100
127 13.5 10.3 15.5
129 9.6 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.422 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053574.D
Acq: 1 Feb 2019 14:06

Tgt Ion:180 Resp: 3003
Ion Ratio Lower Upper
180 100
182 88.2 47.9 143.8
145 26.9 14.7 44.1

