

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN022420\
 Data File : VN060198.D
 Acq On : 24 Feb 2020 10:24
 Operator : JC/MD
 Sample : VN0224WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0224WBL01

Quant Time: Feb 24 15:47:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	180793	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	282385	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	256471	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	104766	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	107092	48.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.36%	
35) Dibromofluoromethane	7.57	113	86725	49.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.92%	
50) Toluene-d8	10.08	98	339761	49.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.40%	
62) 4-Bromofluorobenzene	12.40	95	115686	46.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	7.64	56	3535	1.14	ug/l #	18
36) 1,1-Dichloropropene	7.64	75	12863	4.92	ug/l #	48
38) Carbon Tetrachloride	7.64	117	17413	6.13	ug/l #	15
51) 4-Methyl-2-Pentanone	10.08	43	1415	0.60	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	59552	29.71	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	59552	72.75	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.26	75	90	Below Cal	#	1
95) Naphthalene	15.13	128	1951	0.37	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.32	180	723	0.37	ug/l	87

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

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MSVOA_N

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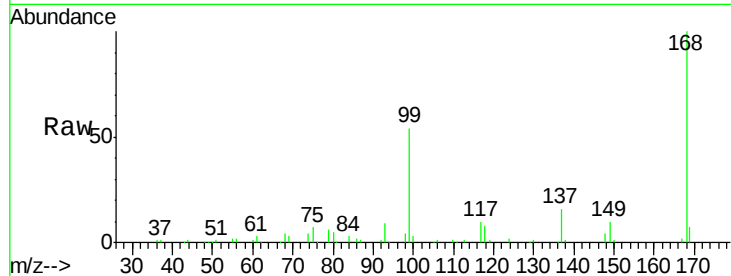
VN0224WBL01

Tgt Ion:168 Resp: 180793

Ion Ratio Lower Upper

168 100

99 54.1 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

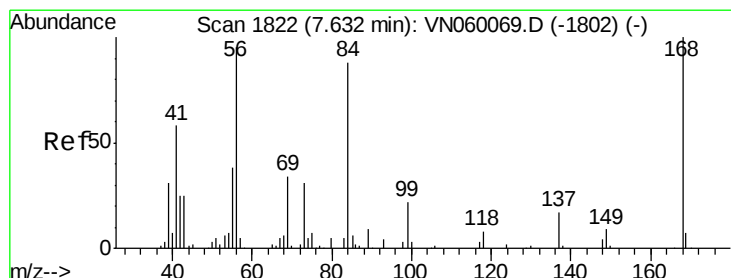
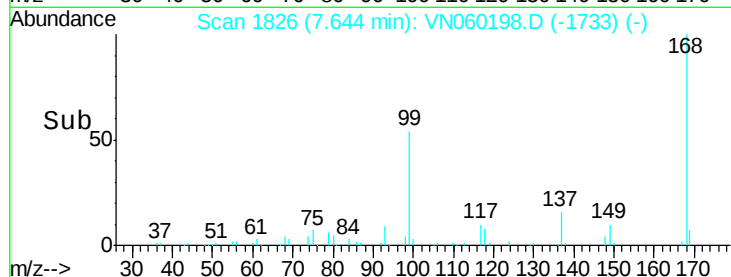
40000

20000

0

7.60 7.70

Time-->



#31

Cyclohexane

Concen: 1.14 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN060198.D

Acq: 24 Feb 2020 10:24

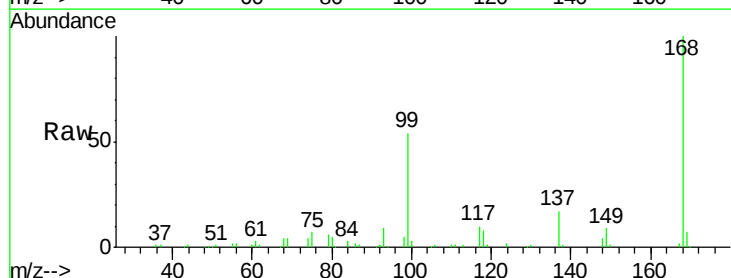
Tgt Ion: 56 Resp: 3535

Ion Ratio Lower Upper

56 100

69 166.1 28.3 42.5#

84 116.4 72.6 108.8#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 69.00 (68.70 to 69.70): VN

Ion 84.00 (83.70 to 84.70): VN

3000

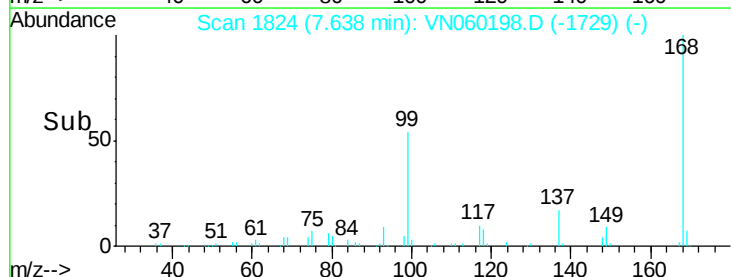
2000

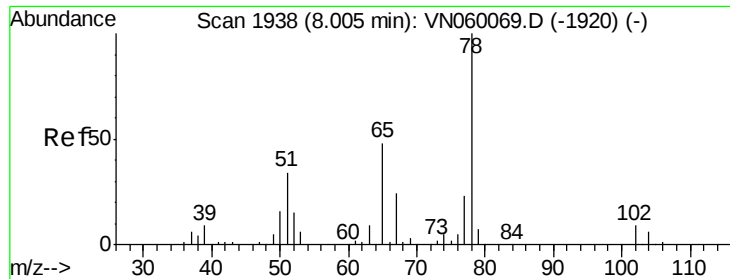
1000

0

7.60 7.65 7.70

Time-->

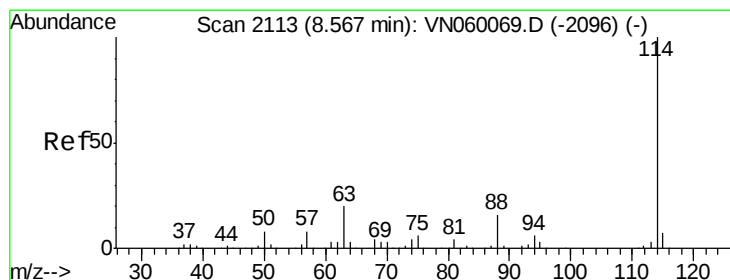
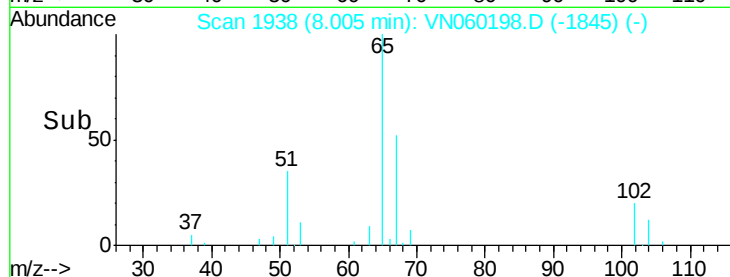
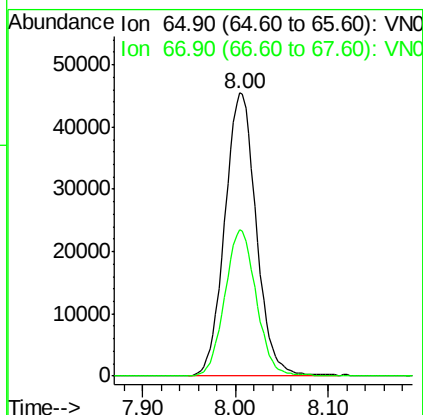
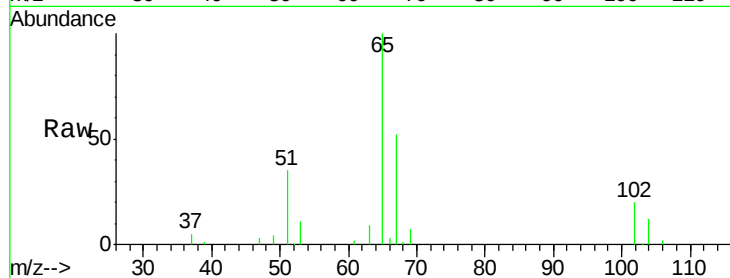




#33
 1,2-Dichloroethane-d4
 Concen: 48.68 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060198.D
 Acq: 24 Feb 2020 10:24

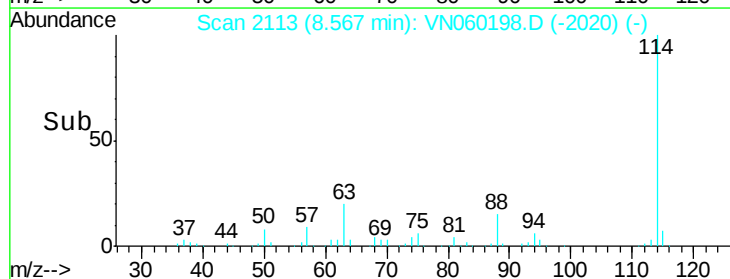
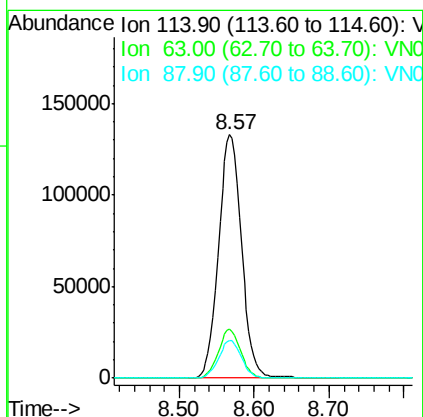
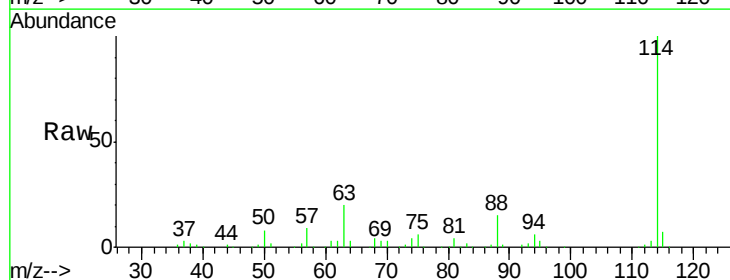
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0224WBL01

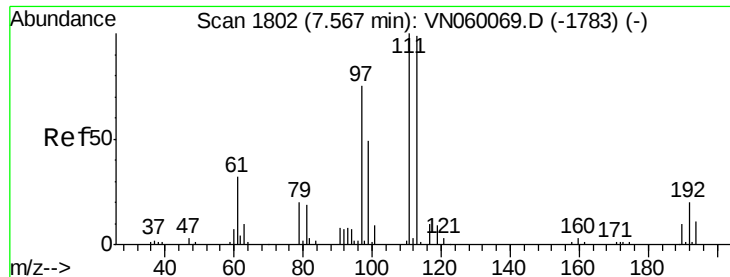
Tgt Ion: 65 Resp: 107092
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060198.D
 Acq: 24 Feb 2020 10:24

Tgt Ion: 114 Resp: 282385
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.0
 88 15.4 0.0 31.6

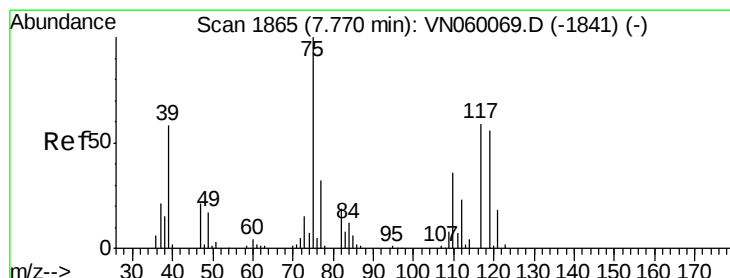
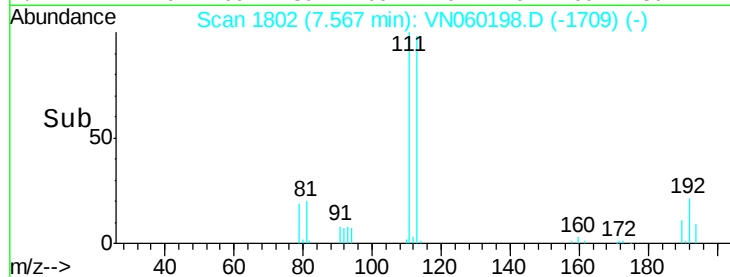
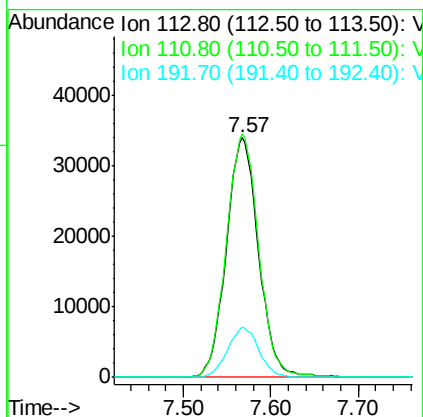
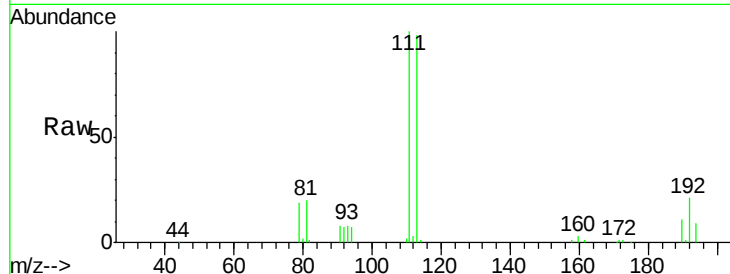




#35
 Dibromofluoromethane
 Concen: 49.96 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN060198.D
 Acq: 24 Feb 2020 10:24

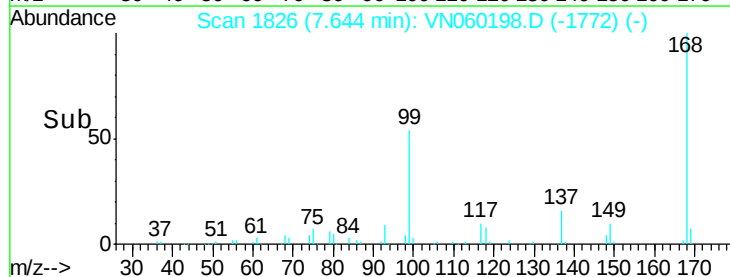
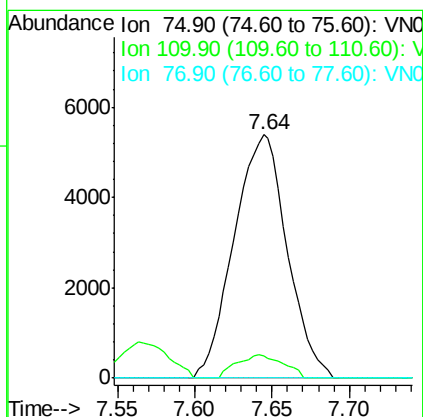
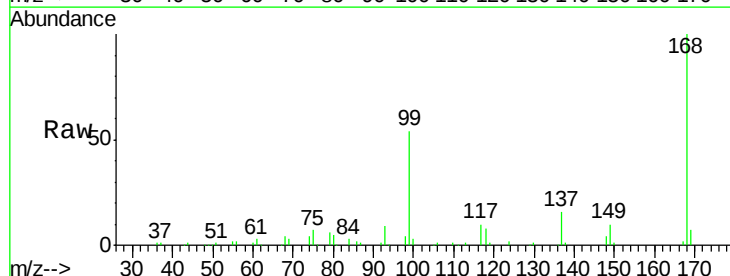
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0224WBL01

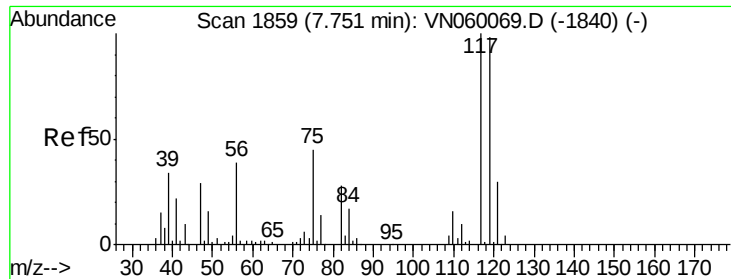
Tgt Ion: 113 Resp: 86725
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.4 122.2
 192 20.3 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.92 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN060198.D
 Acq: 24 Feb 2020 10:24

Tgt Ion: 75 Resp: 12863
 Ion Ratio Lower Upper
 75 100
 110 8.3 18.1 54.3#
 77 0.0 25.1 37.7#

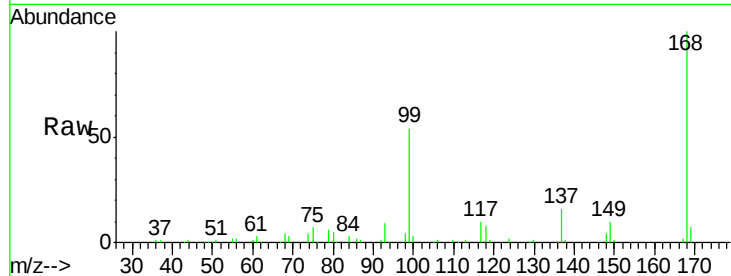




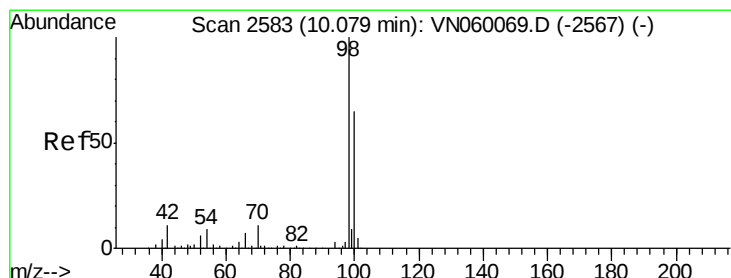
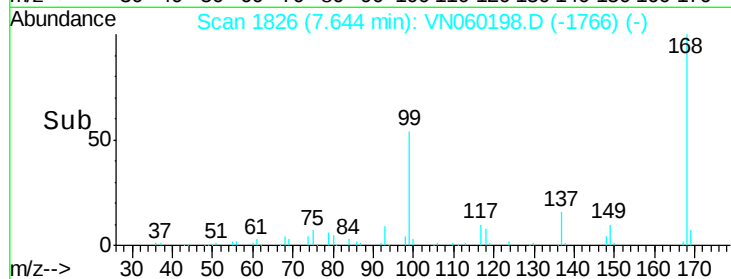
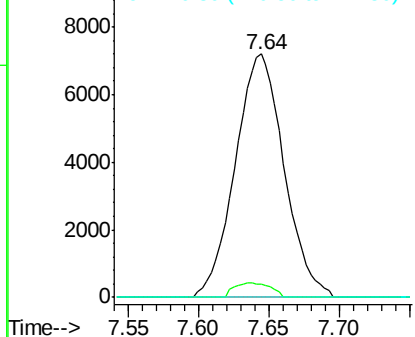
#38
Carbon Tetrachloride
Concen: 6.13 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN060198.D
Acq: 24 Feb 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VN0224WBL01

Tgt Ion:117 Resp: 17413
Ion Ratio Lower Upper
117 100
119 5.2 78.2 117.4#
121 0.0 24.2 36.2#

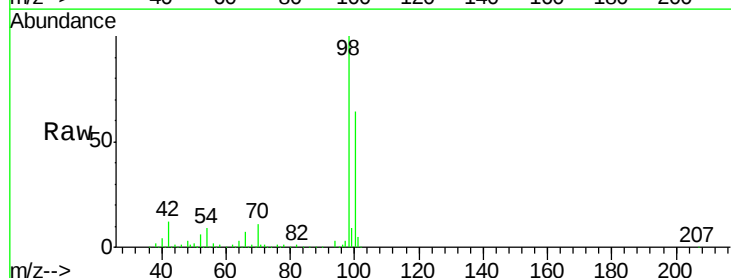


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

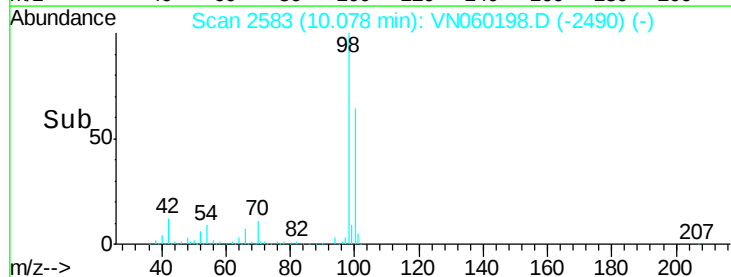
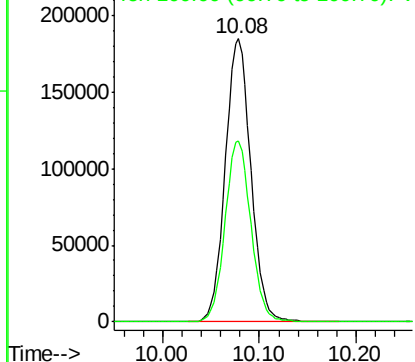


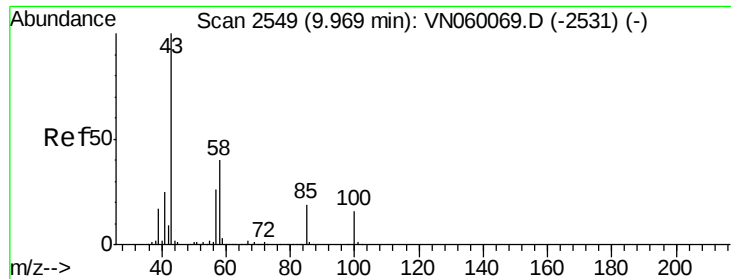
#50
Toluene-d8
Concen: 49.70 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060198.D
Acq: 24 Feb 2020 10:24

Tgt Ion: 98 Resp: 339761
Ion Ratio Lower Upper
98 100
100 64.4 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN
Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.60 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.11 min

Lab File: VN060198.D

Acq: 24 Feb 2020 10:24

Instrument :

MSVOA_N

ClientSampled :

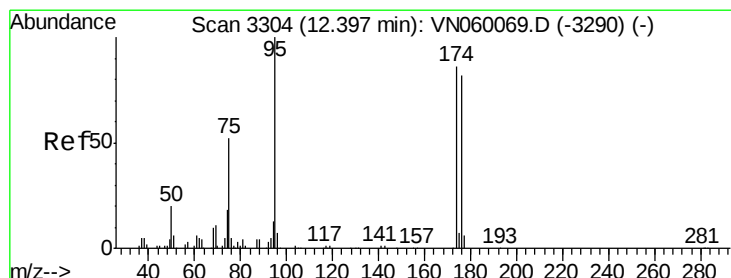
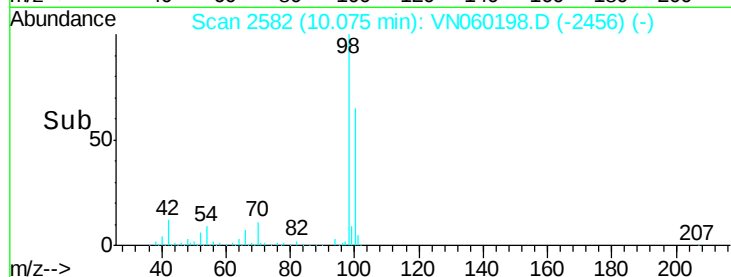
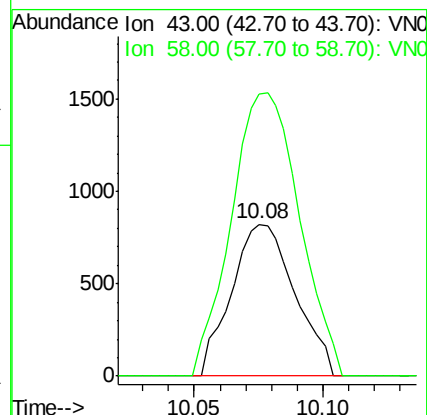
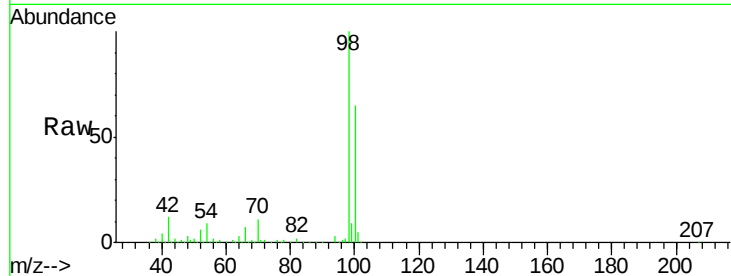
VN0224WBL01

Tgt Ion: 43 Resp: 1415

Ion Ratio Lower Upper

43 100

58 199.4 31.8 47.8#



#62

4-Bromofluorobenzene

Concen: 46.06 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060198.D

Acq: 24 Feb 2020 10:24

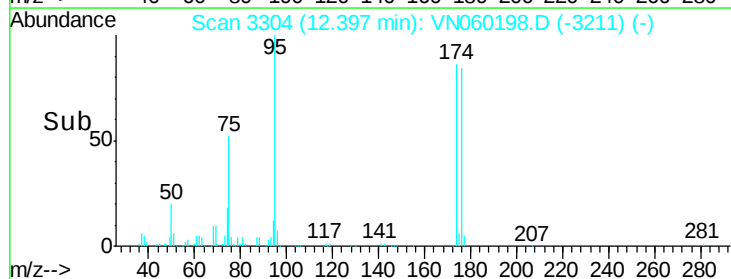
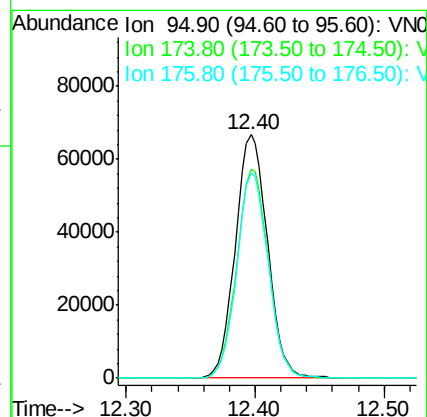
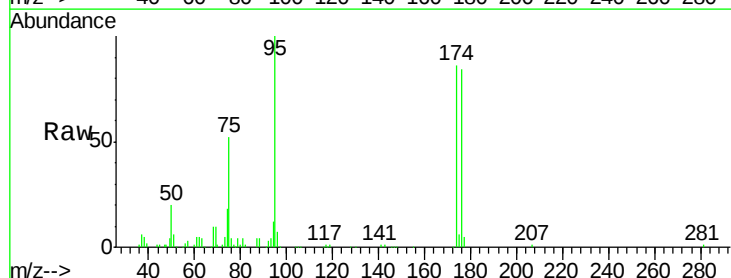
Tgt Ion: 95 Resp: 115686

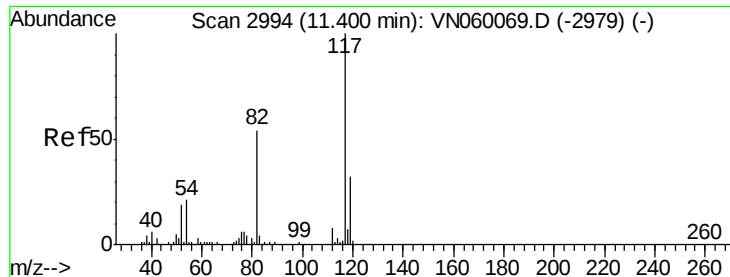
Ion Ratio Lower Upper

95 100

174 85.0 0.0 169.8

176 82.5 0.0 164.8

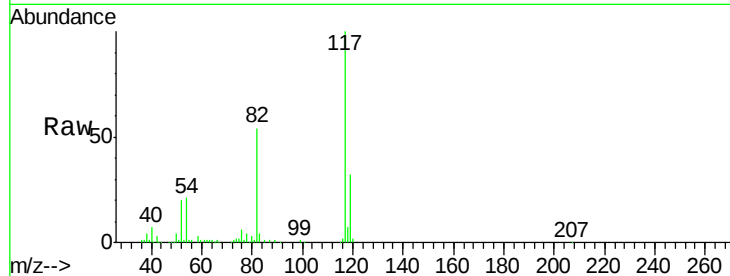




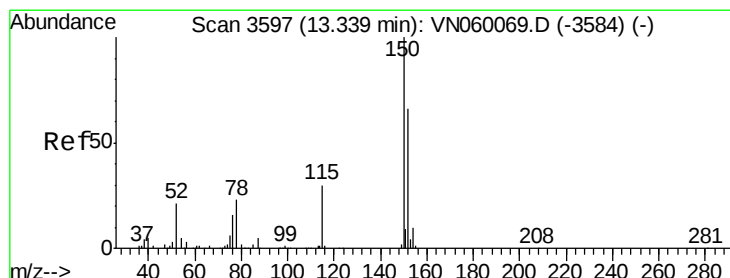
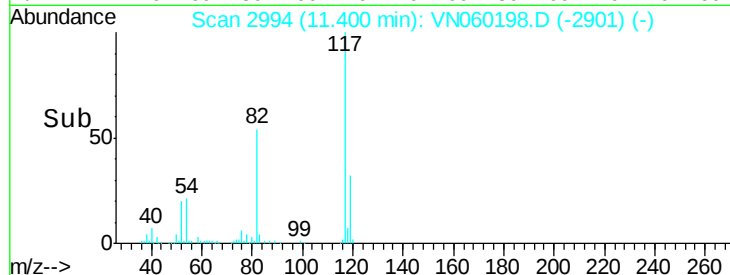
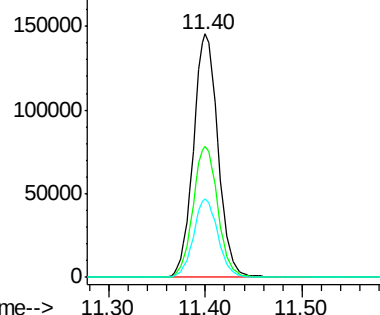
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060198.D
Acq: 24 Feb 2020 10:24

Instrument :
MSVOA_N
ClientSampleId :
VN0224WBL01

Tgt Ion:117 Resp: 256471
Ion Ratio Lower Upper
117 100
82 54.0 43.4 65.0
119 32.3 25.8 38.6

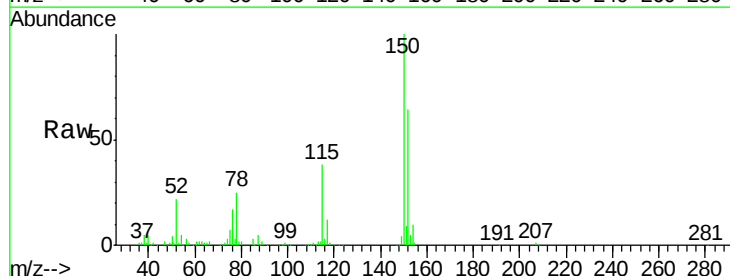


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

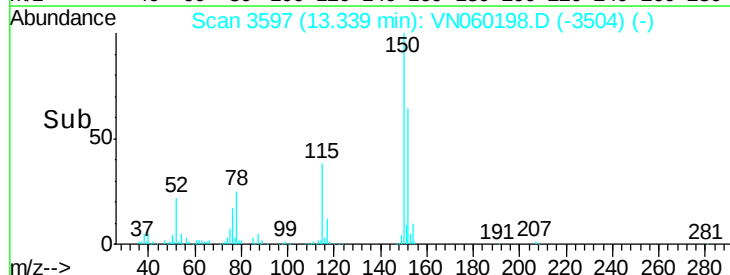
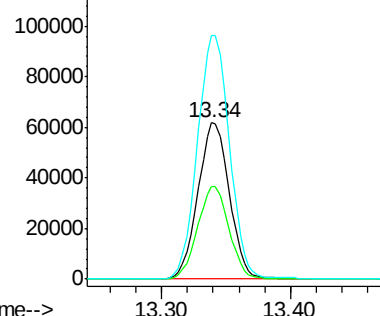


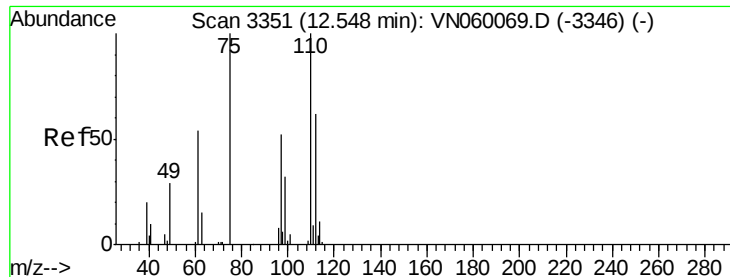
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060198.D
Acq: 24 Feb 2020 10:24

Tgt Ion:152 Resp: 104766
Ion Ratio Lower Upper
152 100
115 58.9 28.9 86.8
150 158.7 0.0 342.4



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: 29.71 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060198.D

Acq: 24 Feb 2020 10:24

Instrument :

MSVOA_N

ClientSampleId :

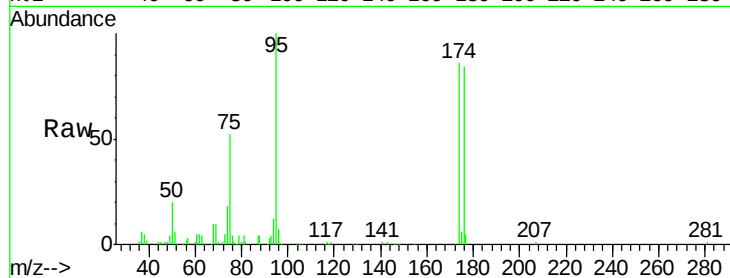
VN0224WBL01

Tgt Ion: 75 Resp: 59552

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

40000

30000

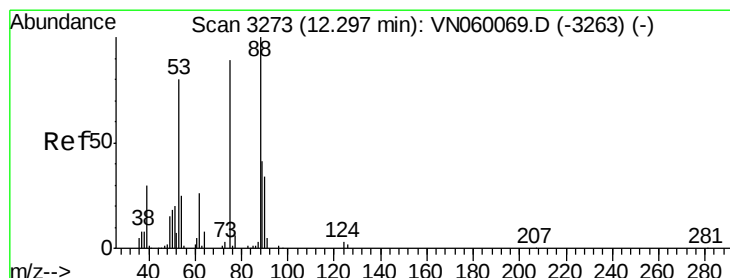
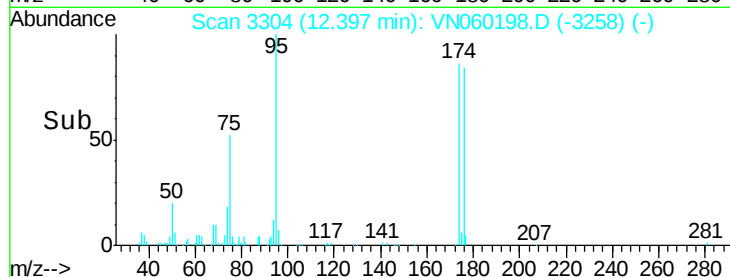
20000

10000

0

Time-->

12.35 12.40 12.45 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 72.75 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060198.D

Acq: 24 Feb 2020 10:24

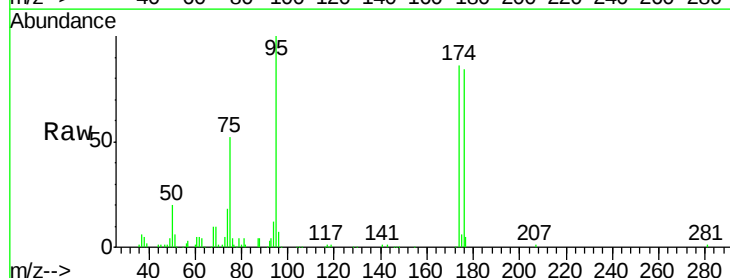
Tgt Ion: 75 Resp: 59552

Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

89 0.0 37.0 55.4#



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

12.40

40000

30000

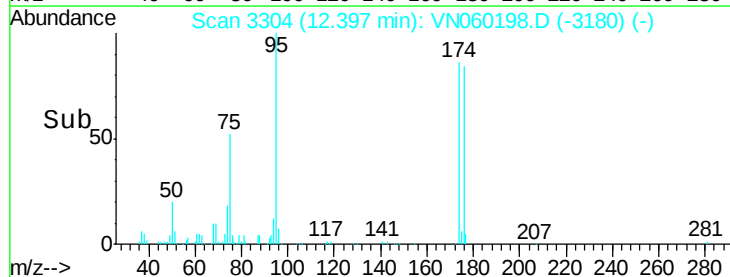
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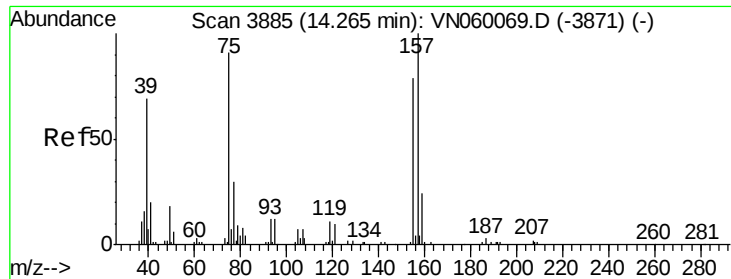
10000

0

Time-->

12.35 12.40 12.45 12.50

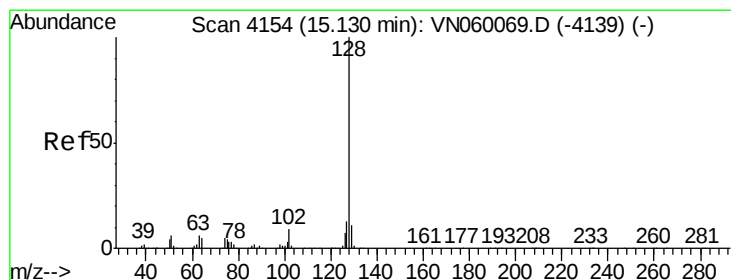
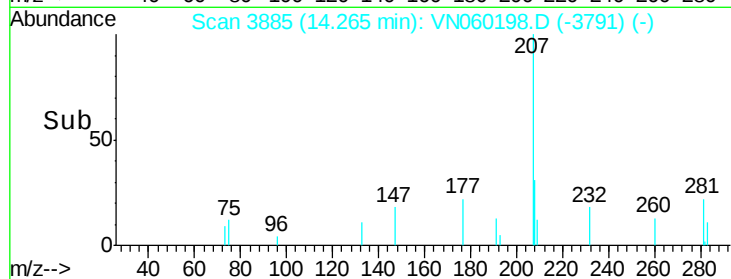
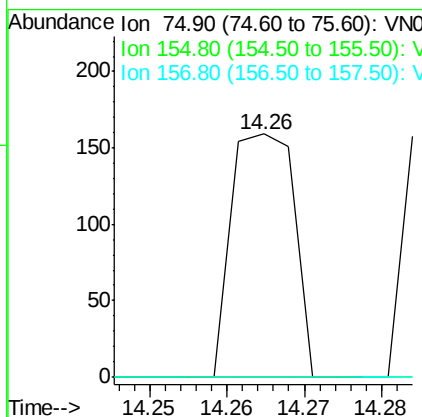
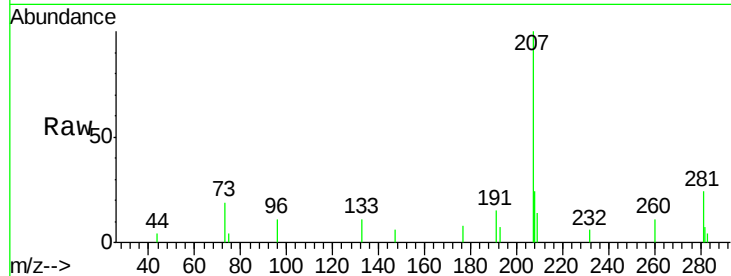




#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060198.D
 Acq: 24 Feb 2020 10:24

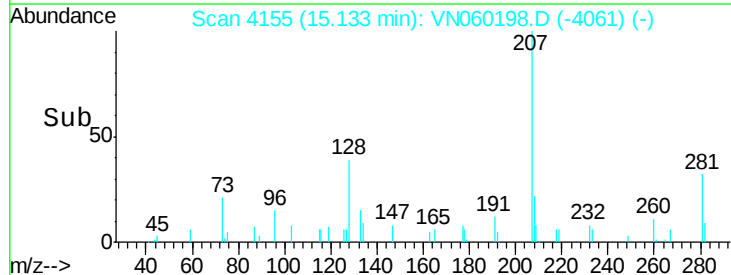
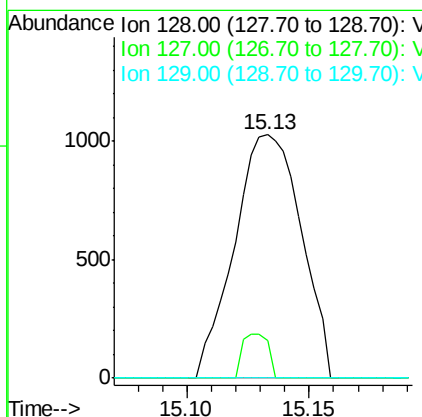
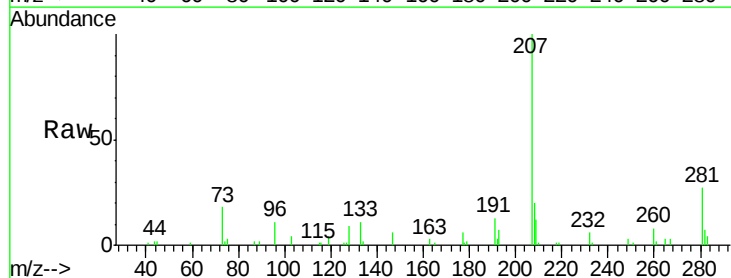
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0224WBL01

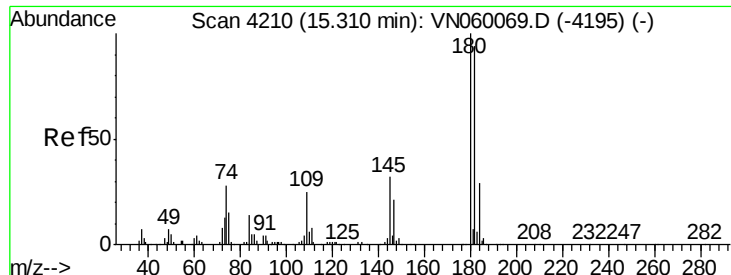
Tgt Ion: 75 Resp: 90
 Ion Ratio Lower Upper
 75 100
 155 0.0 43.0 129.0#
 157 0.0 54.9 164.5#



#95
 Naphthalene
 Concen: 0.37 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN060198.D
 Acq: 24 Feb 2020 10:24

Tgt Ion: 128 Resp: 1951
 Ion Ratio Lower Upper
 128 100
 127 6.9 10.3 15.5#
 129 0.0 8.6 13.0#

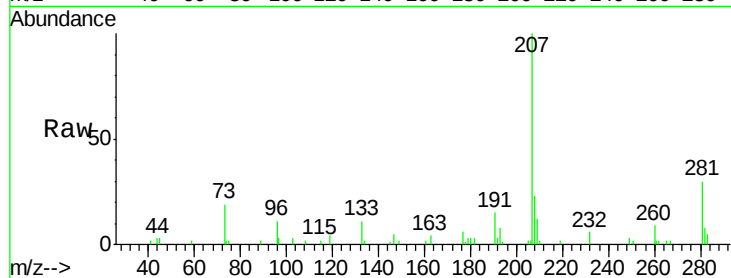




#96
 1,2,3-Trichlorobenzene
 Concen: 0.37 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.01 min
 Lab File: VN060198.D
 Acq: 24 Feb 2020 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0224WBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	78.8	47.5	142.5
145	32.5	16.1	48.3



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

