

Data File : VN060461.D
Acq On : 11 Mar 2020 19:20
Operator : JC/MD
Sample : L1887-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
CL-GW

Quant Time: Mar 12 03:42:41 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	201228	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	333291	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	316733	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	147789	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	132493	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
35) Dibromofluoromethane	7.57	113	98787	63.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.72%	
50) Toluene-d8	10.08	98	411820	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	
62) 4-Bromofluorobenzene	12.40	95	154284	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	

Target Compounds

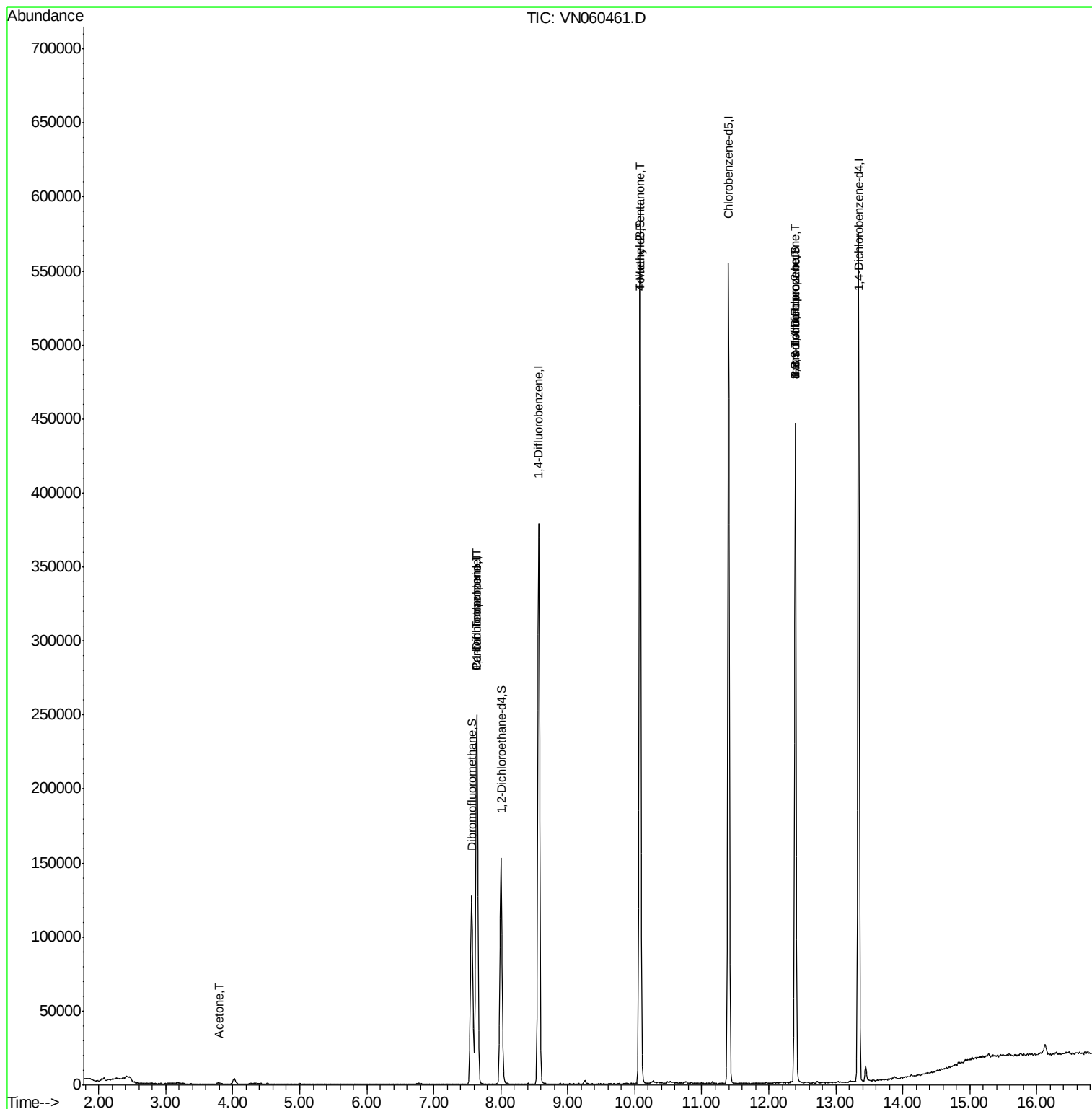
						Qvalue
16) Acetone	3.79	43	2399	2.877	ug/l	98
31) Cyclohexane	7.64	56	4207	Below Cal	#	2
36) 1,1-Dichloropropene	7.64	75	15485	4.875	ug/l #	49
38) Carbon Tetrachloride	7.64	117	19515	6.310	ug/l #	16
51) 4-Methyl-2-Pentanone	10.08	43	2224	0.745	ug/l #	1
71) Bromoform	12.40	173	480	0.282	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	80024	24.680	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	80024	68.128	ug/l #	8
95) Naphthalene	15.14	128	224	Below Cal	#	69

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060461.D

Acq: 11 Mar 2020 19:20

Instrument :

MSVOA_N

ClientSampleId :

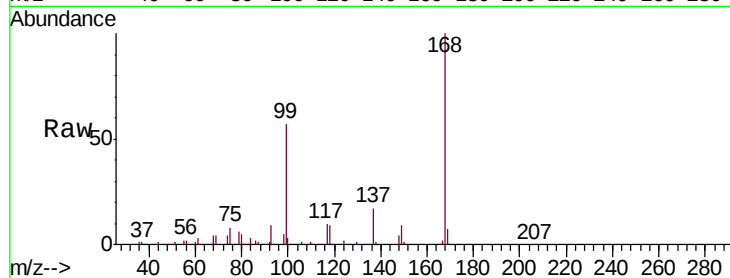
CL-GW

Tgt Ion:168 Resp: 201228

Ion Ratio Lower Upper

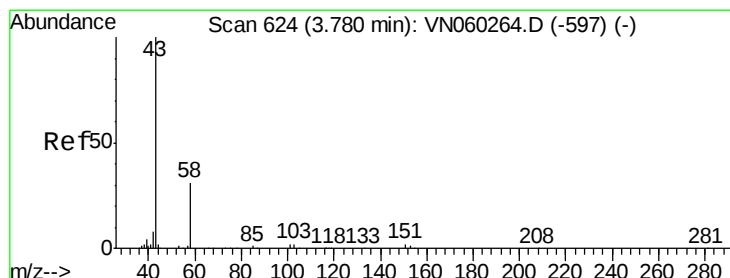
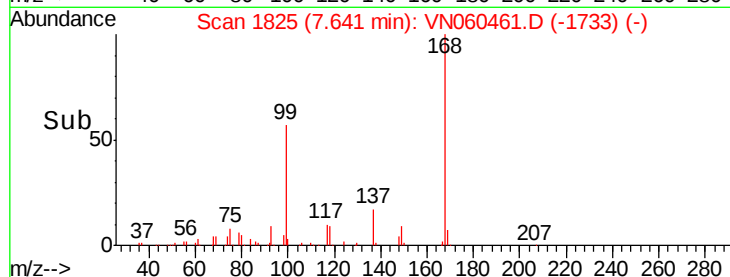
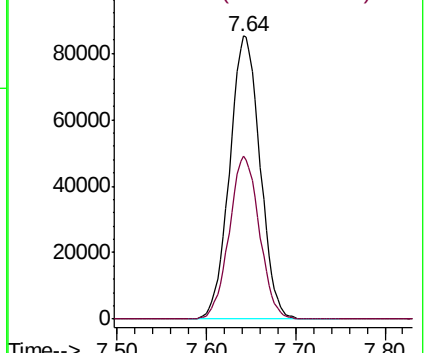
168 100

99 57.5 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 2.877 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060461.D

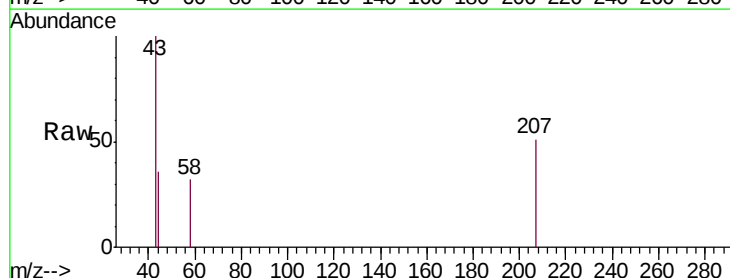
Acq: 11 Mar 2020 19:20

Tgt Ion: 43 Resp: 2399

Ion Ratio Lower Upper

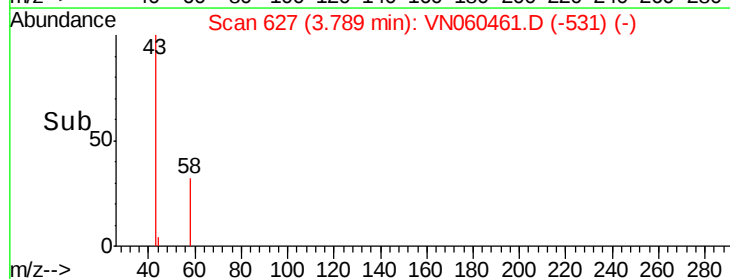
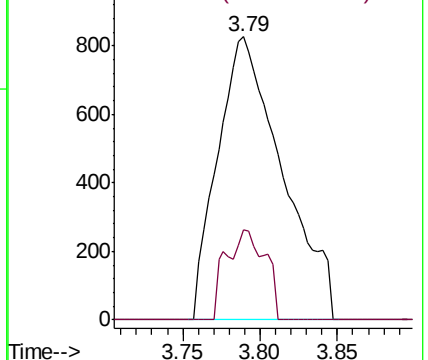
43 100

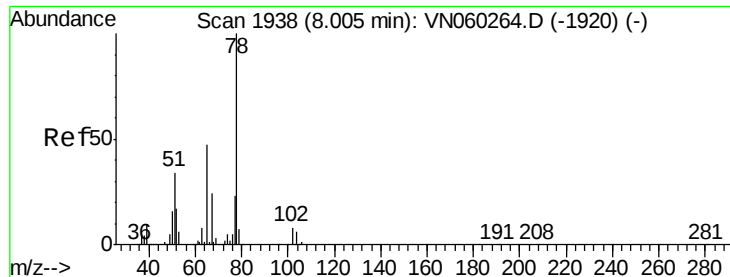
58 31.9 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 51.318 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN060461.D

Acq: 11 Mar 2020 19:20

Instrument :

MSVOA_N

ClientSampleId :

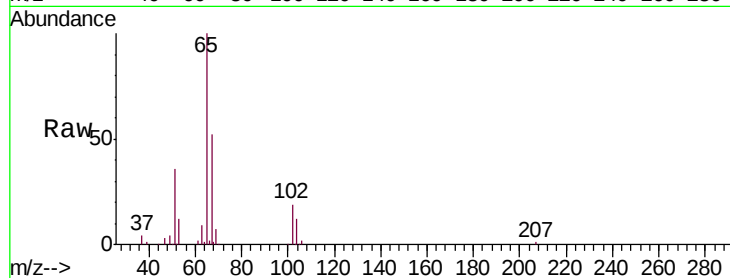
CL-GW

Tgt Ion: 65 Resp: 132493

Ion Ratio Lower Upper

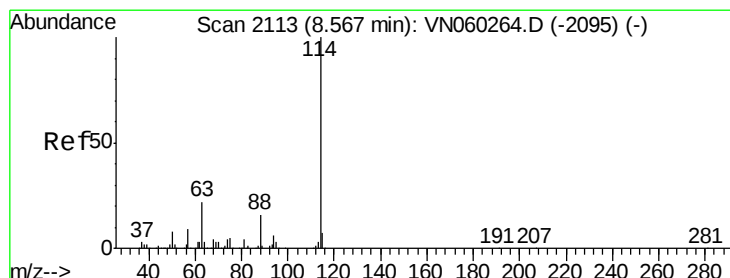
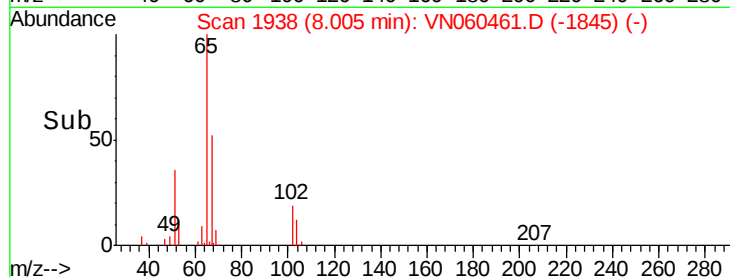
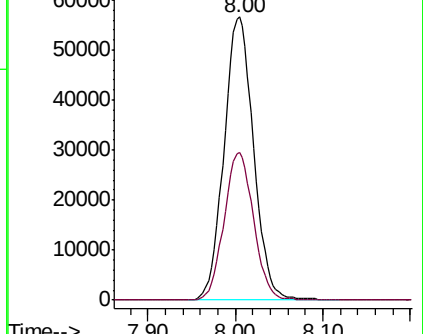
65 100

67 52.0 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN060461.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN060461.D (-1920) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN060461.D

Acq: 11 Mar 2020 19:20

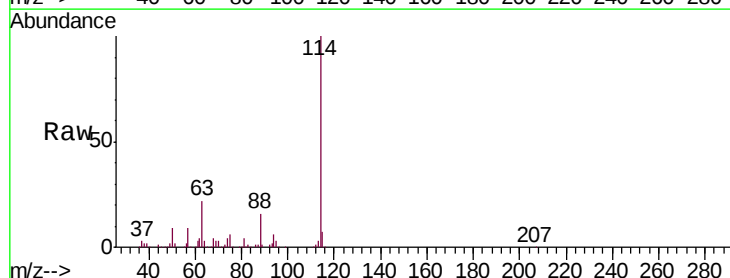
Tgt Ion: 114 Resp: 333291

Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.2

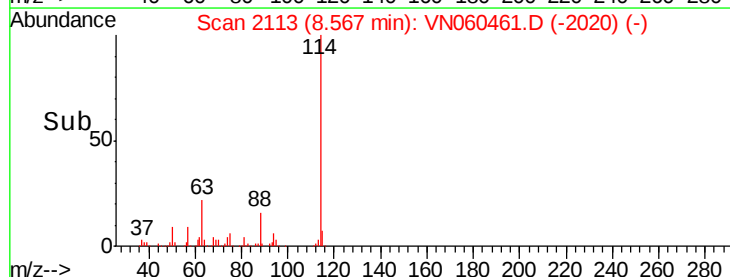
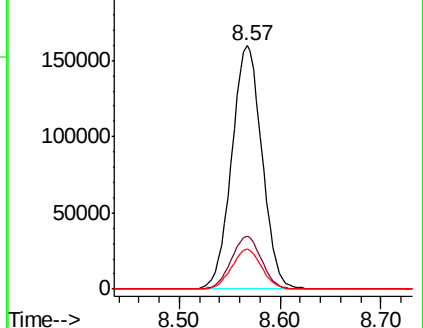
88 16.3 0.0 31.6

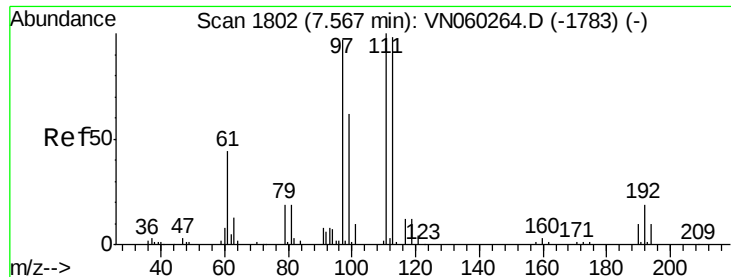


Abundance Ion 113.90 (113.60 to 114.60): VN060461.D (-2095) (-)

Ion 63.00 (62.70 to 63.70): VN060461.D (-2095) (-)

Ion 87.90 (87.60 to 88.60): VN060461.D (-2095) (-)

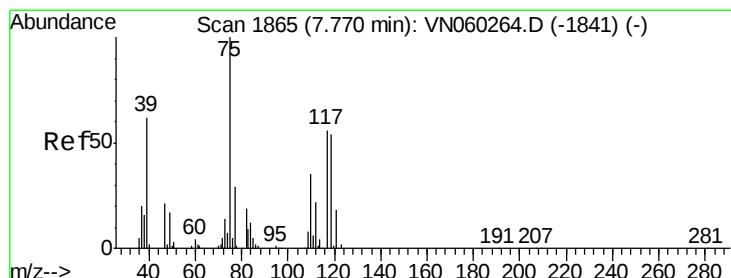
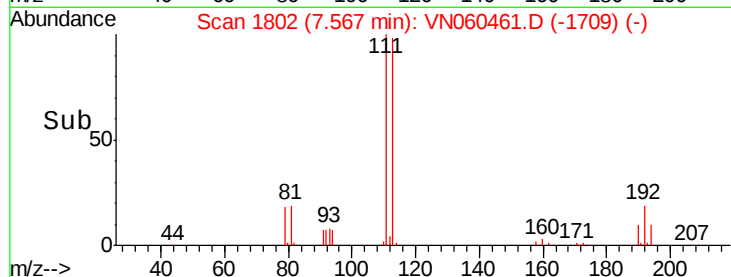
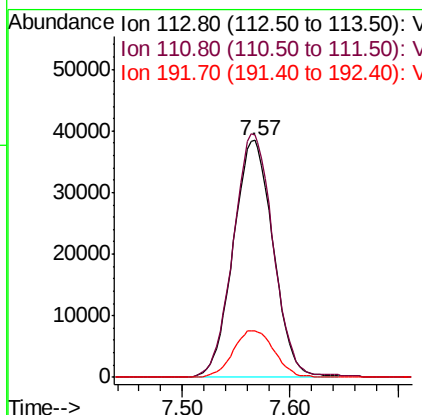
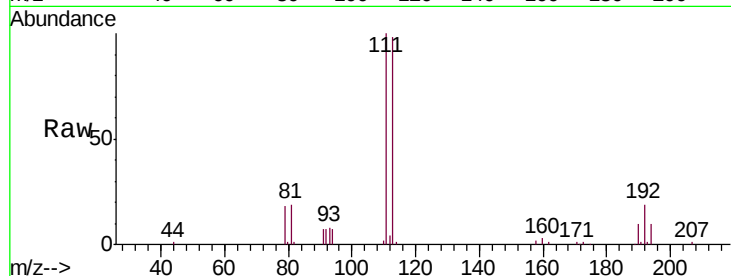




#35
 Dibromofluoromethane
 Concen: 63.856 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN060461.D
 Acq: 11 Mar 2020 19:20

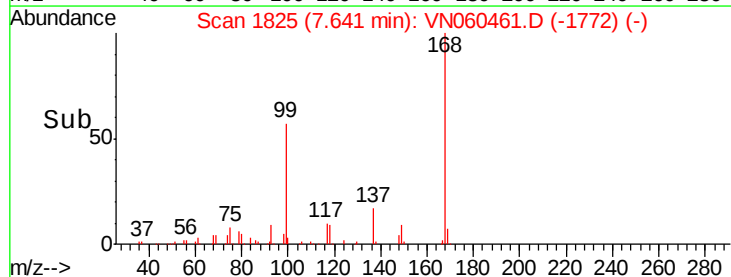
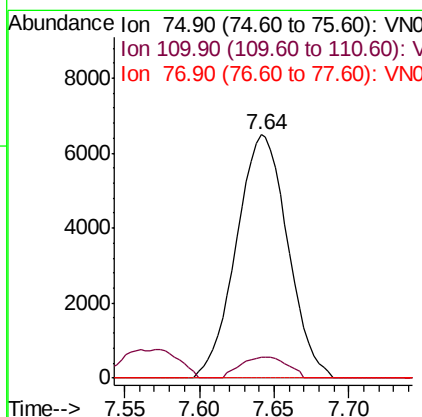
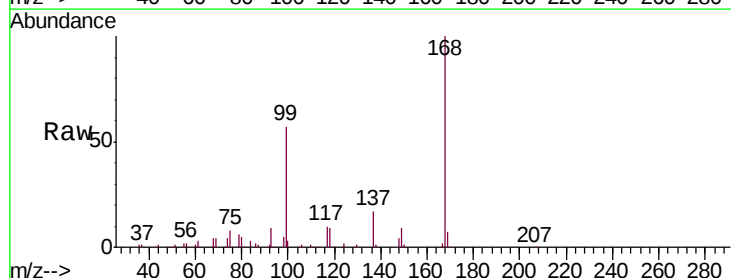
Instrument :
 MSVOA_N
 ClientSampleId :
 CL-GW

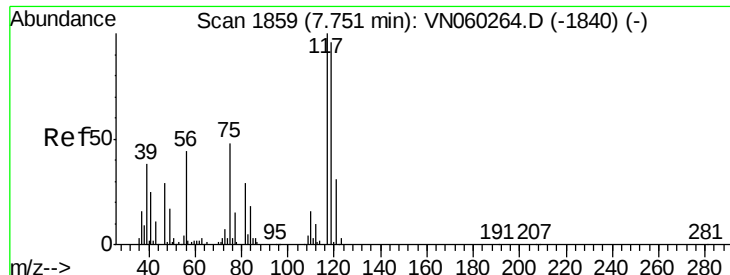
Tgt Ion:113 Resp: 98787
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.4 123.6
 192 20.2 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.875 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060461.D
 Acq: 11 Mar 2020 19:20

Tgt Ion: 75 Resp: 15485
 Ion Ratio Lower Upper
 75 100
 110 7.8 17.3 52.0#
 77 0.0 24.2 36.2#





#38

Carbon Tetrachloride

Concen: 6.310 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060461.D

Acq: 11 Mar 2020 19:20

Instrument :

MSVOA_N

ClientSampled :

CL-GW

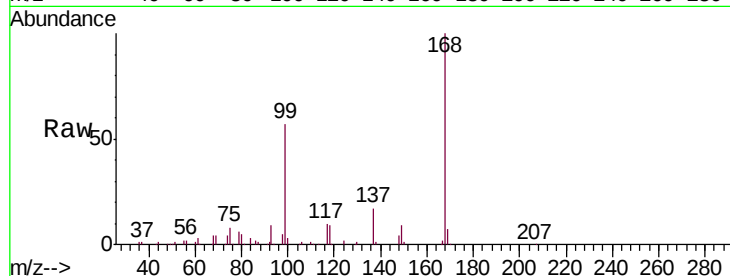
Tgt Ion:117 Resp: 19515

Ion Ratio Lower Upper

117 100

119 4.7 76.7 115.1#

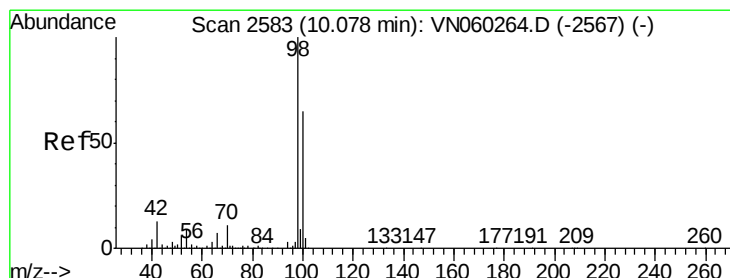
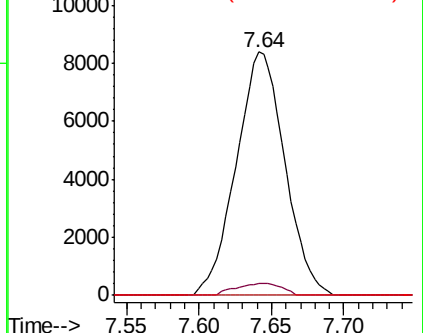
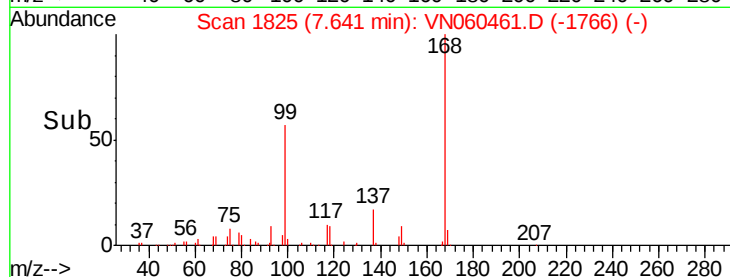
121 0.0 24.5 36.7#



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: 52.597 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060461.D

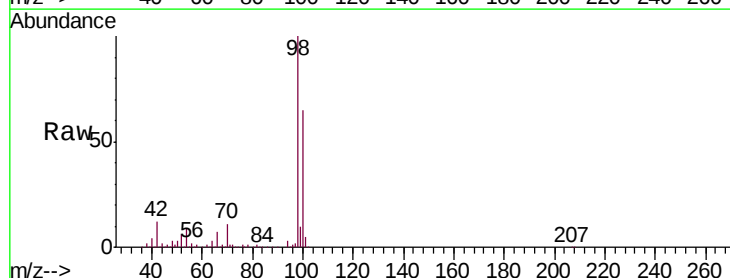
Acq: 11 Mar 2020 19:20

Tgt Ion: 98 Resp: 411820

Ion Ratio Lower Upper

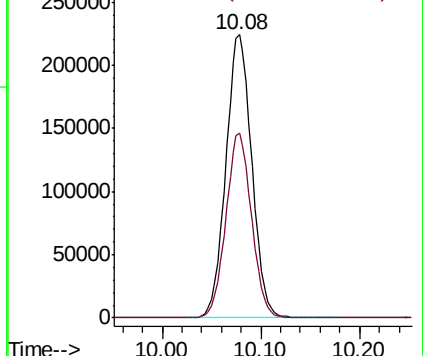
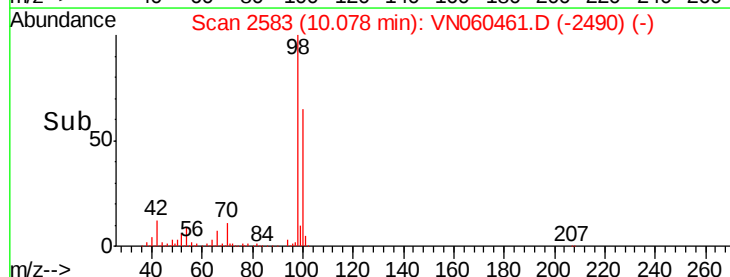
98 100

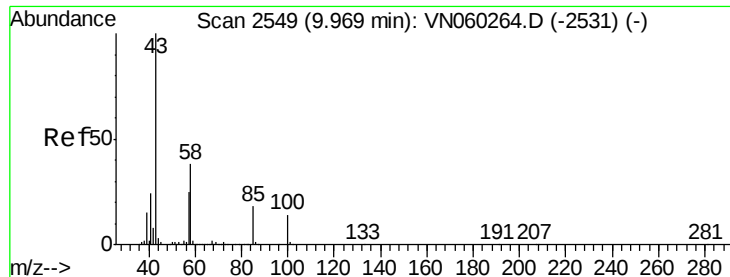
100 64.6 52.2 78.2



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: 0.745 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.11 min

Lab File: VN060461.D

Acq: 11 Mar 2020 19:20

Instrument :

MSVOA_N

ClientSampleId :

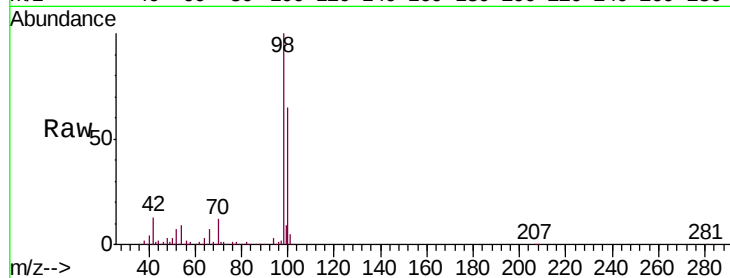
CL-GW

Tgt Ion: 43 Resp: 2224

Ion Ratio Lower Upper

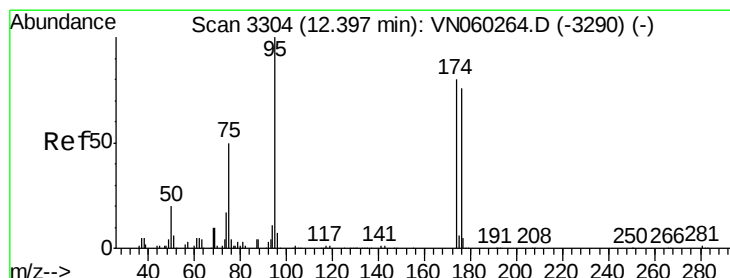
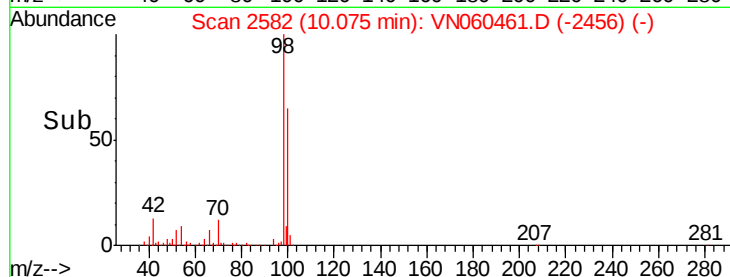
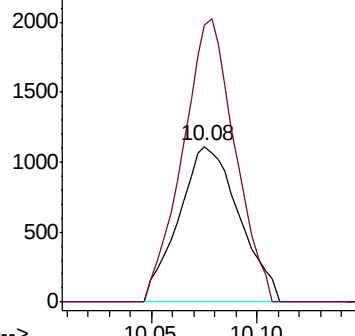
43 100

58 156.1 30.9 46.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 51.982 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060461.D

Acq: 11 Mar 2020 19:20

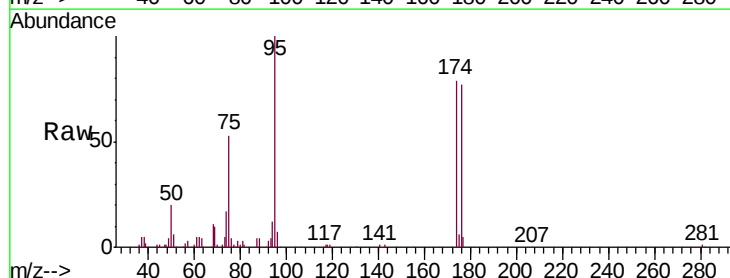
Tgt Ion: 95 Resp: 154284

Ion Ratio Lower Upper

95 100

174 79.4 0.0 159.2

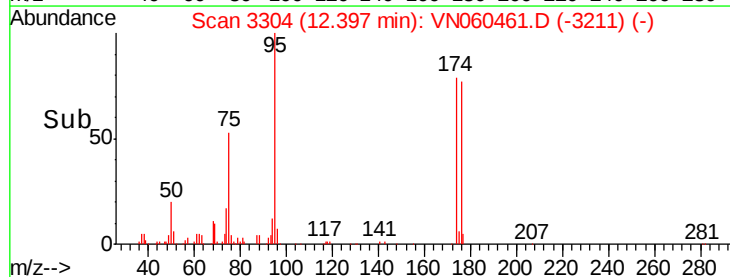
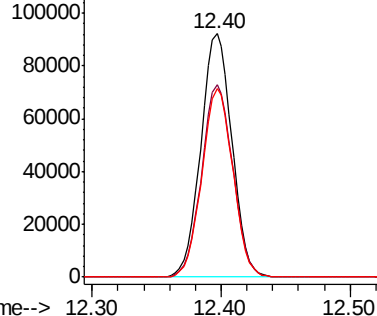
176 77.2 0.0 153.8

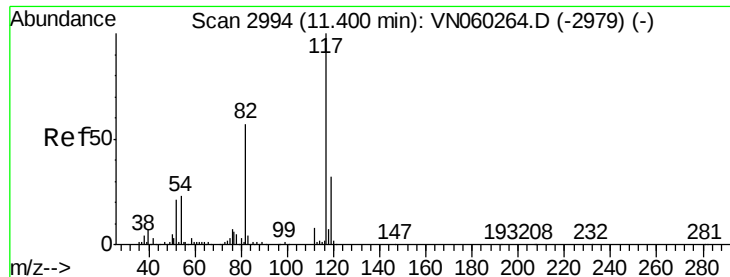


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

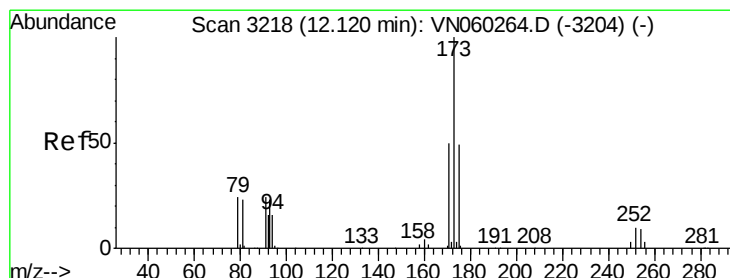
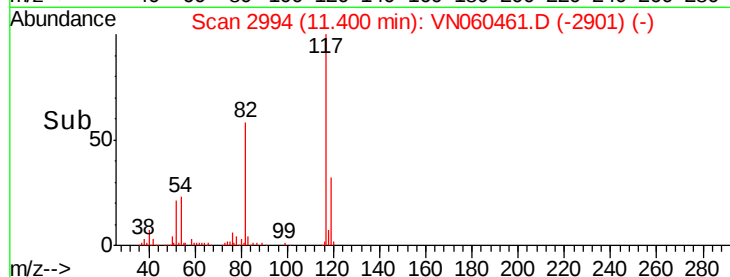
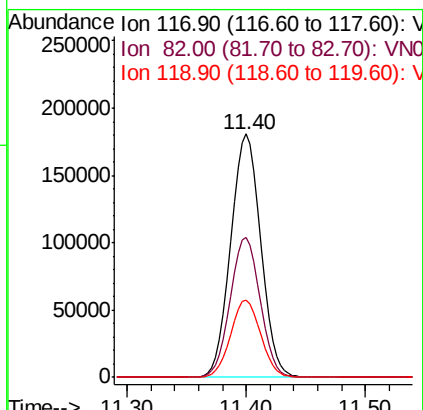
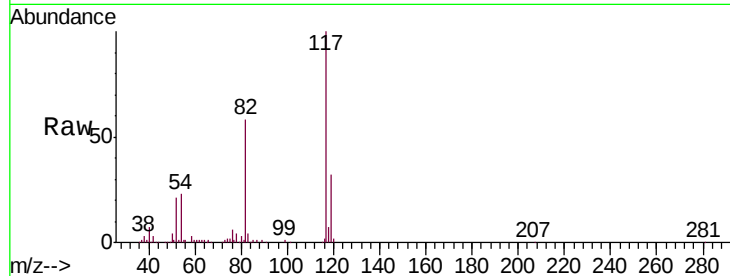




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060461.D
Acq: 11 Mar 2020 19:20

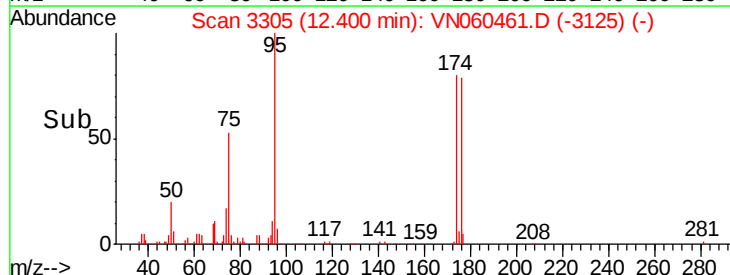
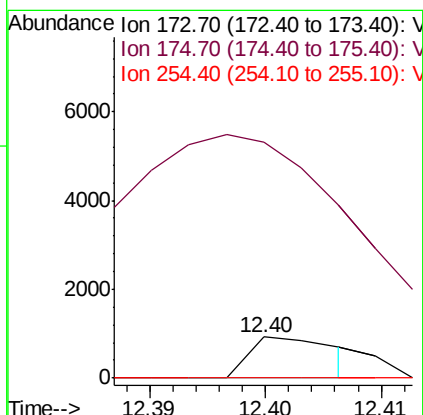
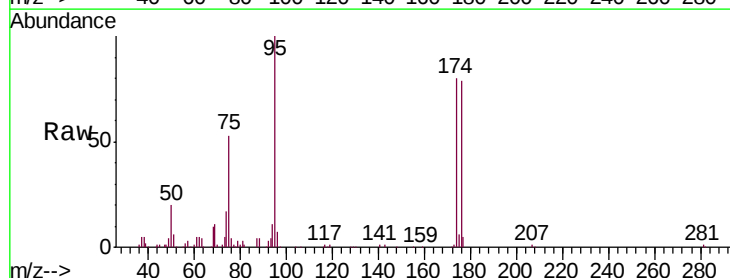
Instrument :
MSVOA_N
ClientSampled :
CL-GW

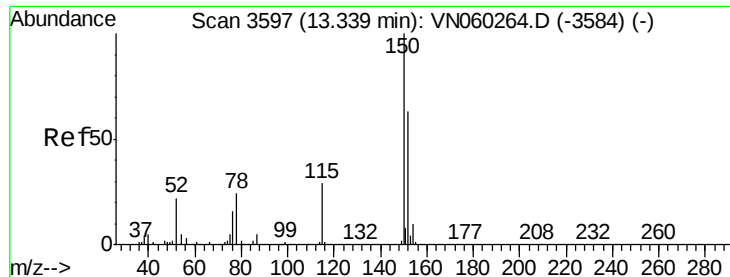
Tgt Ion:117 Resp: 316733
Ion Ratio Lower Upper
117 100
82 57.6 45.8 68.6
119 31.9 25.8 38.8



#71
Bromoform
Concen: 0.282 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.28 min
Lab File: VN060461.D
Acq: 11 Mar 2020 19:20

Tgt Ion:173 Resp: 480
Ion Ratio Lower Upper
173 100
175 1615.2 24.1 72.2#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060461.D

Acq: 11 Mar 2020 19:20

Instrument :

MSVOA_N

ClientSampleId :

CL-GW

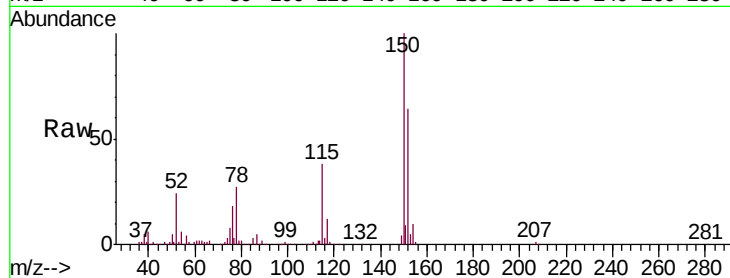
Tgt Ion:152 Resp: 147789

Ion Ratio Lower Upper

152 100

115 59.9 30.0 90.0

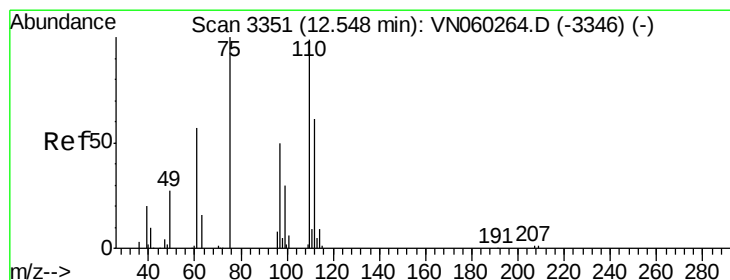
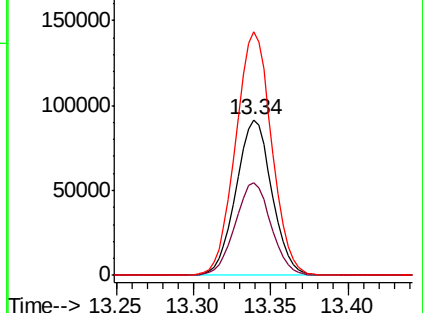
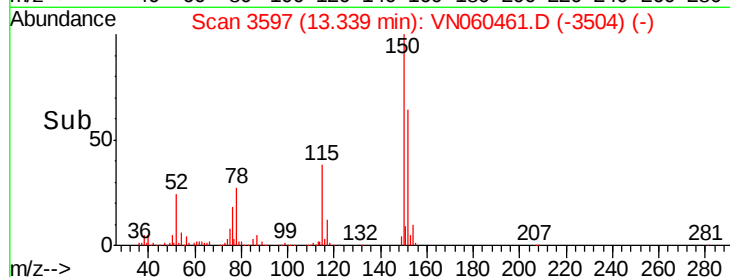
150 157.0 0.0 349.6



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: 24.680 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060461.D

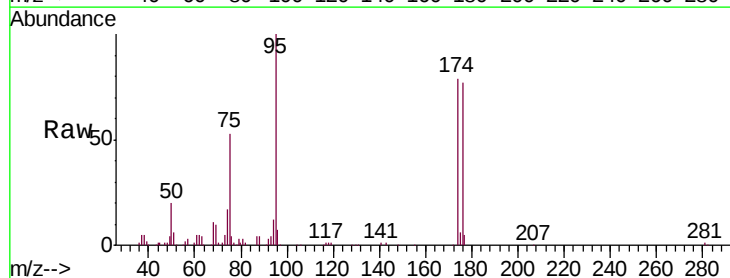
Acq: 11 Mar 2020 19:20

Tgt Ion: 75 Resp: 80024

Ion Ratio Lower Upper

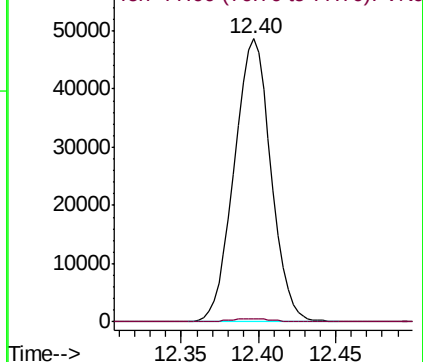
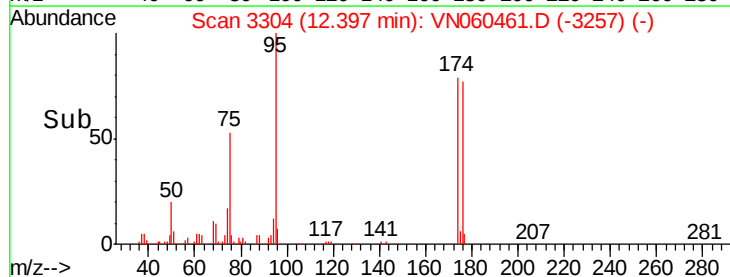
75 100

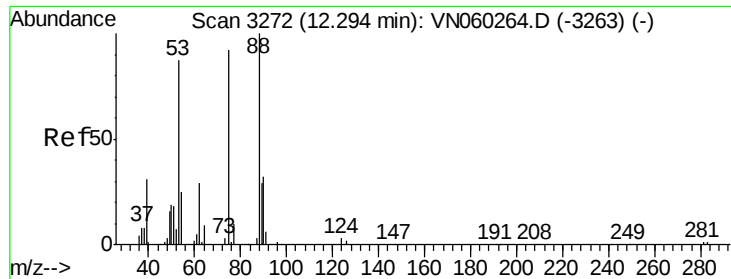
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

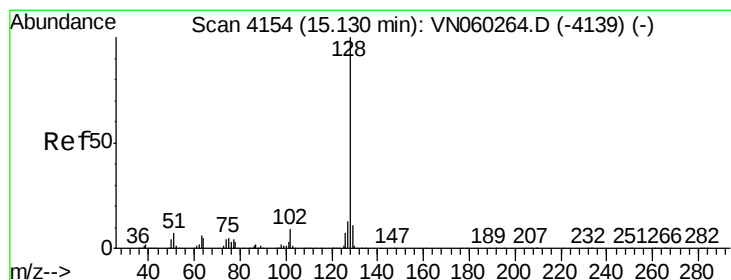
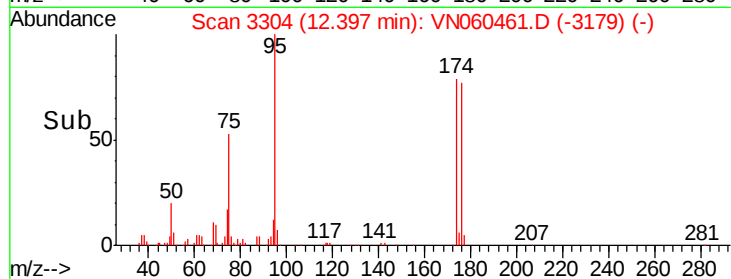
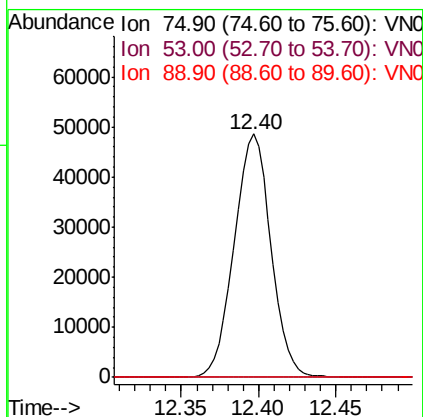
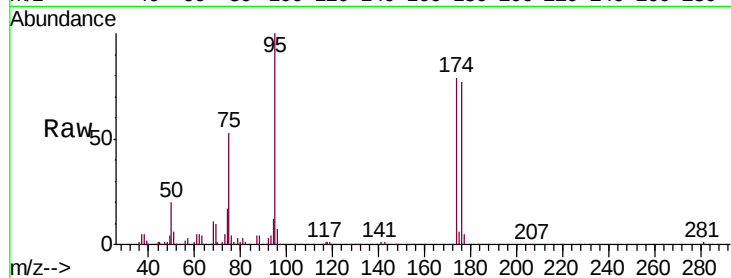




#81
trans-1,4-Dichloro-2-butene
Concen: 68.128 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060461.D
Acq: 11 Mar 2020 19:20

Instrument :
MSVOA_N
ClientSampleId :
CL-GW

Tgt Ion: 75 Resp: 80024
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 57.1 85.7#



#95
Naphthalene
Concen: Below Cal
RT: 15.14 min Scan# 4157
Delta R.T. 0.01 min
Lab File: VN060461.D
Acq: 11 Mar 2020 19:20

Tgt Ion: 128 Resp: 224
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.6 13.0#

