

Data File : VN060437.D
Acq On : 11 Mar 2020 9:56
Operator : JC/MD
Sample : VN0311WBL01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBL01

Quant Time: Mar 12 03:32:23 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	205382	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	334174	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	306822	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	135868	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	130939	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
35) Dibromofluoromethane	7.56	113	98981	63.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.62%	
50) Toluene-d8	10.08	98	408504	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	
62) 4-Bromofluorobenzene	12.40	95	147919	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	

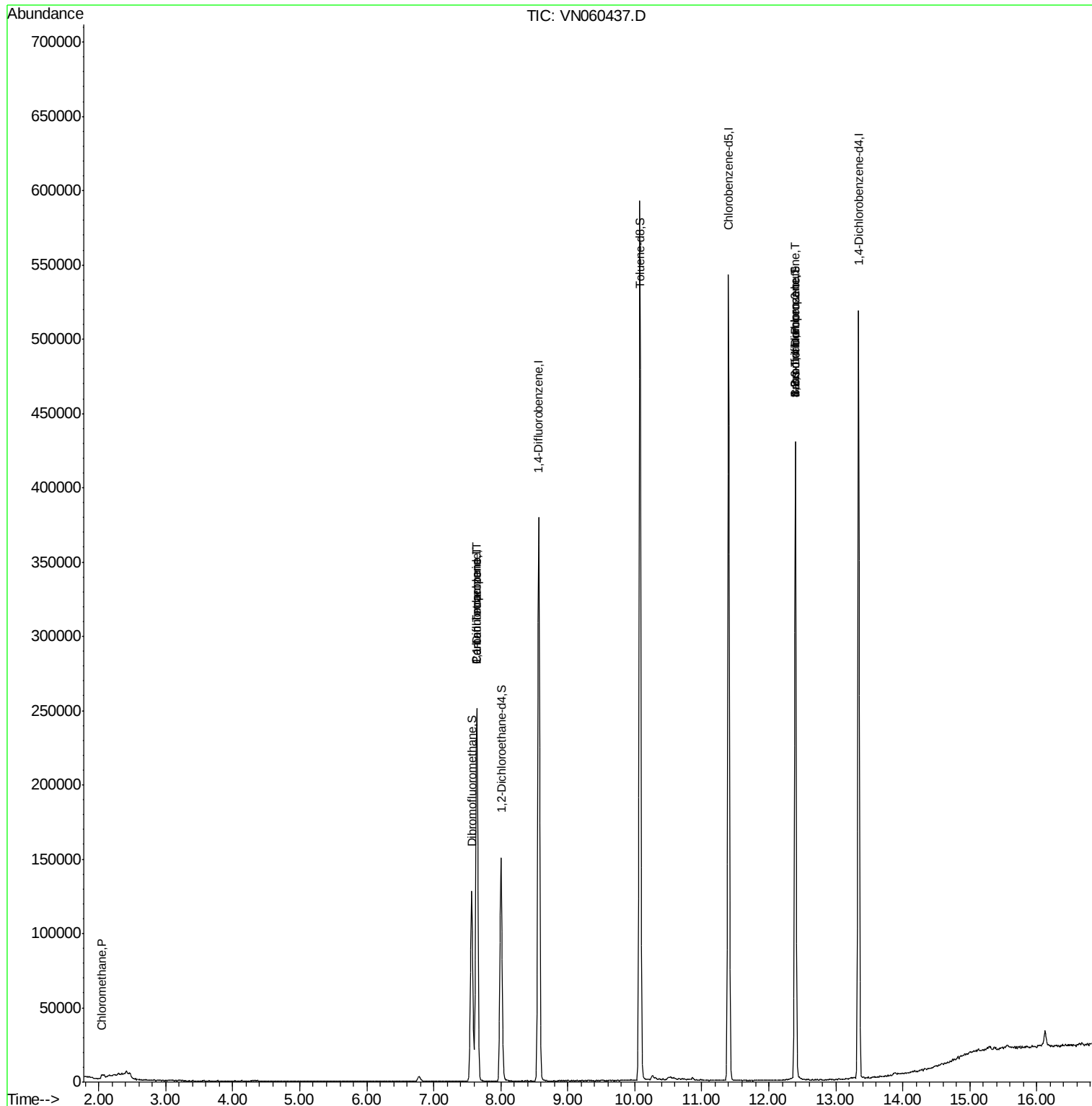
Target Compounds			Qvalue			
3) Chloromethane	2.04	50	1108	0.338	ug/l	91
17) Carbon Disulfide	4.03	76	250	Below Cal	#	75
31) Cyclohexane	7.64	56	4460	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	15960	5.011	ug/l #	49
38) Carbon Tetrachloride	7.64	117	19208	6.194	ug/l #	15
71) Bromoform	12.40	173	358	0.217	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	75247	25.243	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	75247	69.681	ug/l #	8
87) 1,3-Dichlorobenzene	13.27	146	130	Below Cal	#	25
88) 1,4-Dichlorobenzene	13.36	146	62	Below Cal	#	25
95) Naphthalene	15.13	128	1056	Below Cal	#	69
96) 1,2,3-Trichlorobenzene	15.31	180	290	Below Cal	#	78

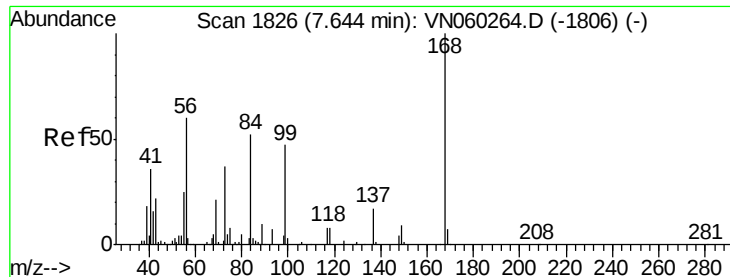
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060437.D

Acq: 11 Mar 2020 9:56

Instrument :

MSVOA_N

ClientSampleId :

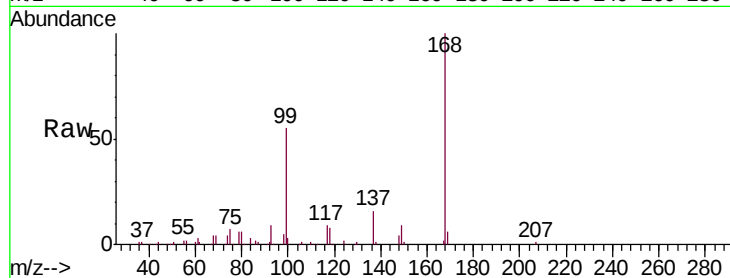
VN0311WBL01

Tgt Ion:168 Resp: 205382

Ion Ratio Lower Upper

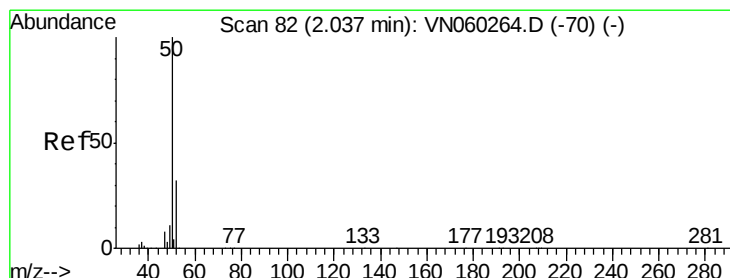
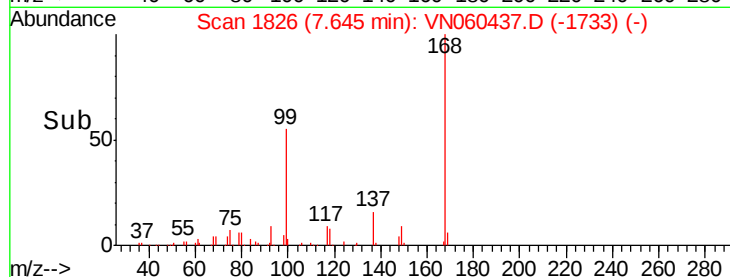
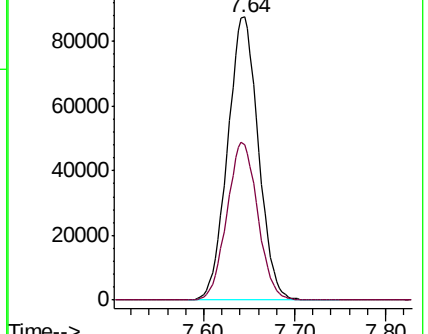
168 100

99 54.9 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: 0.338 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060437.D

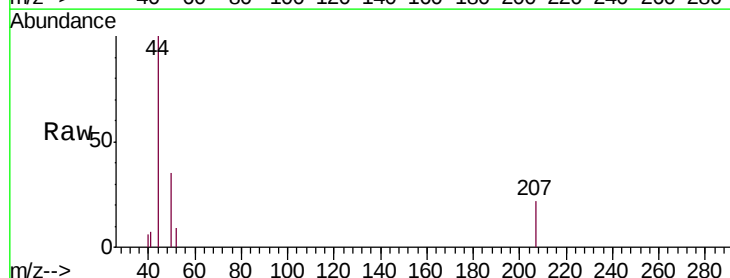
Acq: 11 Mar 2020 9:56

Tgt Ion: 50 Resp: 1108

Ion Ratio Lower Upper

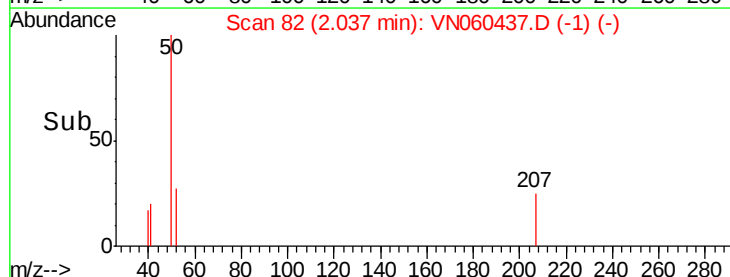
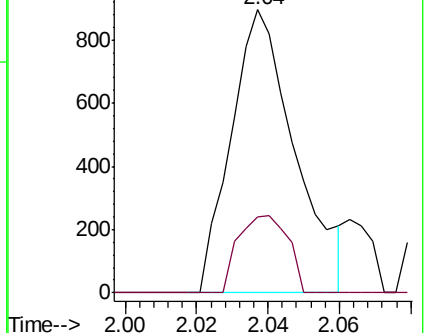
50 100

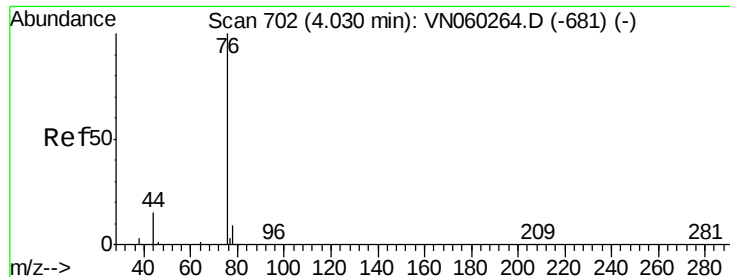
52 26.8 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060437.D

Acq: 11 Mar 2020 9:56

Instrument :

MSVOA_N

ClientSampleId :

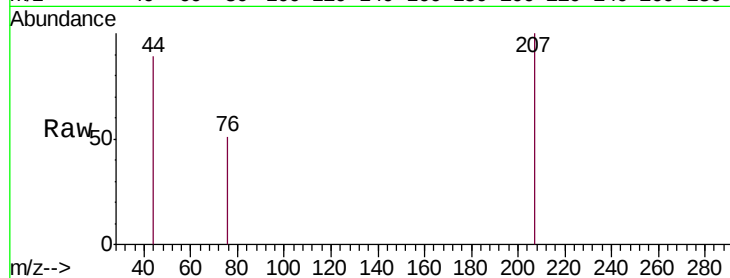
VN0311WBL01

Tgt Ion: 76 Resp: 250

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN060264.D (-681) (-)

Ion 77.90 (77.60 to 78.60): VN060264.D (-681) (-)

4.03

250

200

150

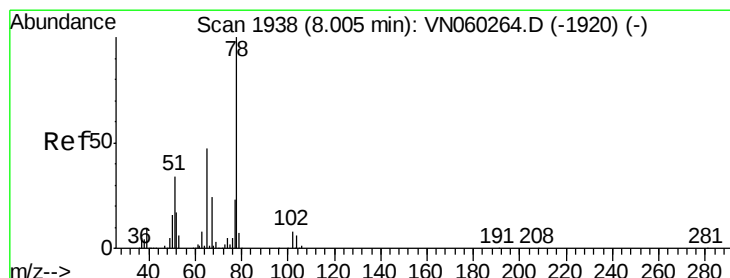
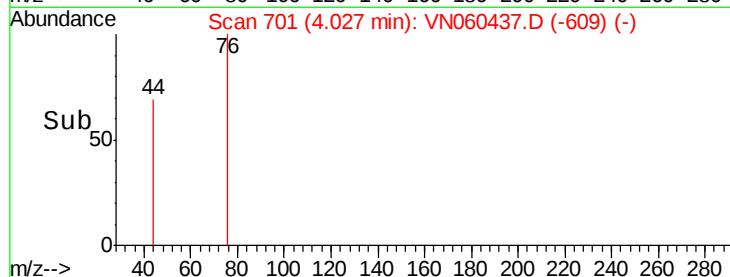
100

50

0

4.00 4.02 4.04

Time-->



#33

1,2-Dichloroethane-d4

Concen: 49.691 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060437.D

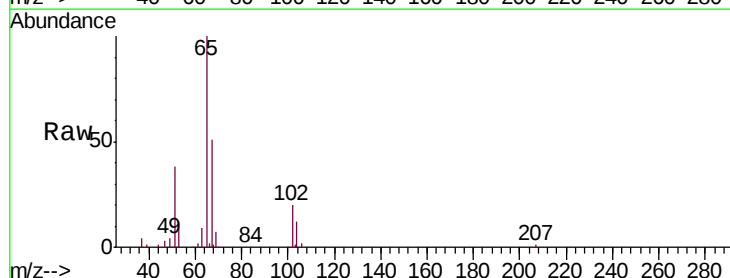
Acq: 11 Mar 2020 9:56

Tgt Ion: 65 Resp: 130939

Ion Ratio Lower Upper

65 100

67 52.3 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN060264.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN060264.D (-1920) (-)

8.00

60000

50000

40000

30000

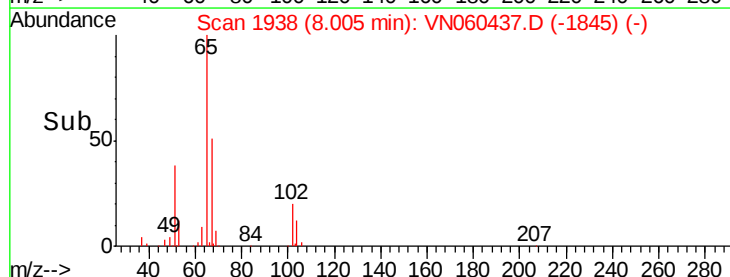
20000

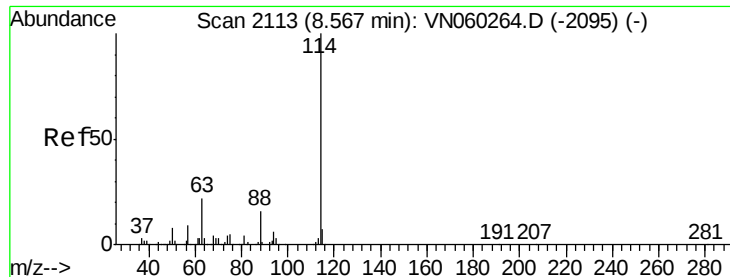
10000

0

7.90 7.95 8.00 8.05 8.10

Time-->

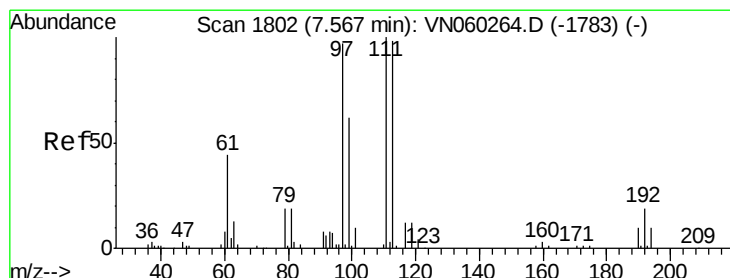
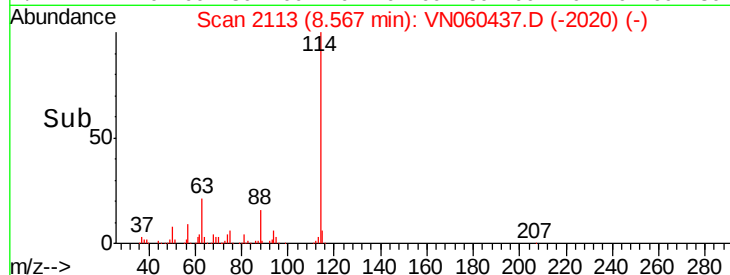
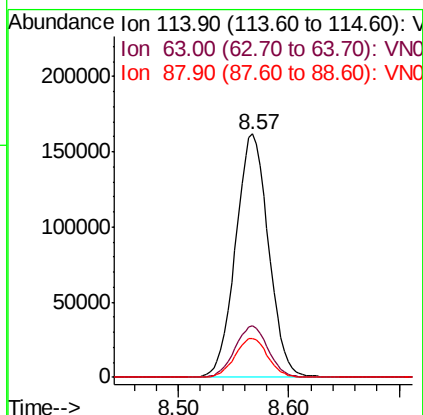
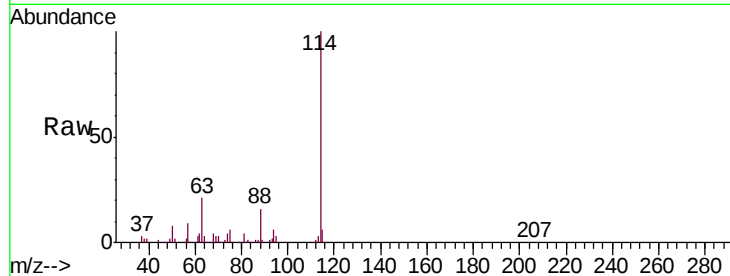




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060437.D
 Acq: 11 Mar 2020 9:56

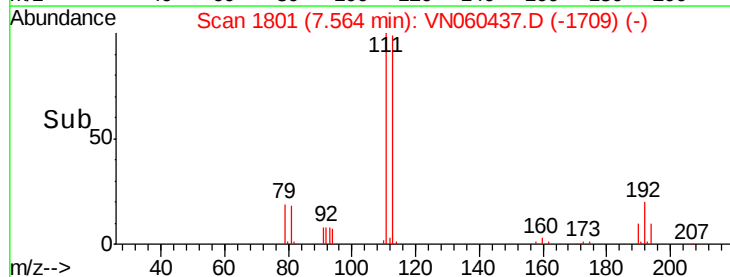
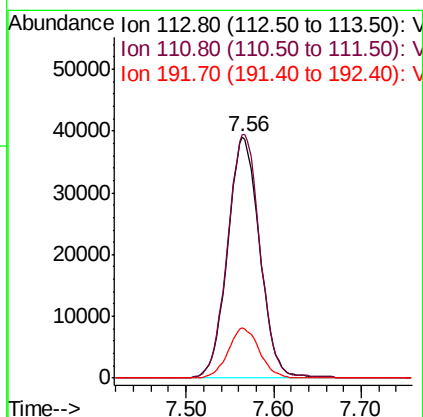
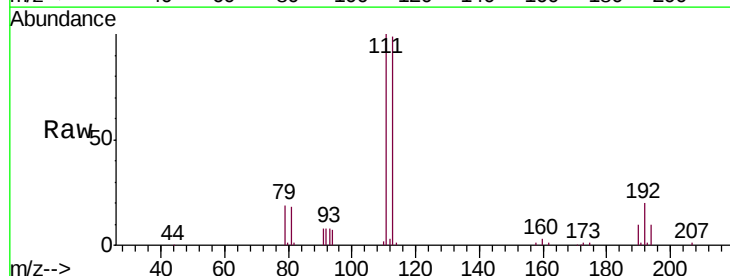
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBL01

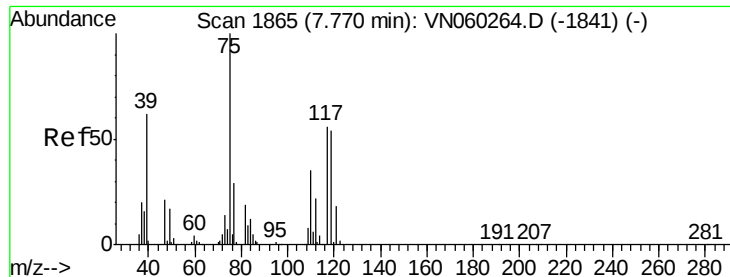
Tgt Ion:114 Resp: 334174
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 43.2
 88 16.2 0.0 31.6



#35
 Dibromofluoromethane
 Concen: 63.812 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060437.D
 Acq: 11 Mar 2020 9:56

Tgt Ion:113 Resp: 98981
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.4 123.6
 192 20.2 16.2 24.2





#36

1,1-Dichloropropene

Concen: 5.011 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060437.D

Acq: 11 Mar 2020 9:56

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBL01

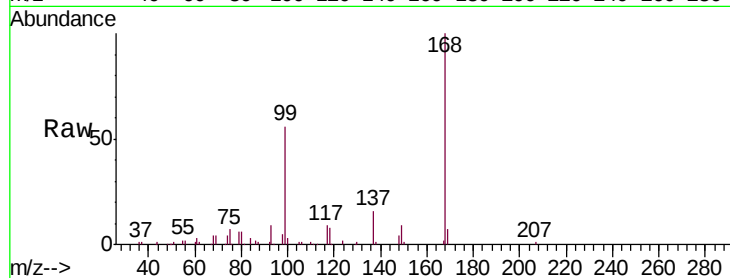
Tgt Ion: 75 Resp: 15960

Ion Ratio Lower Upper

75 100

110 7.1 17.3 52.0#

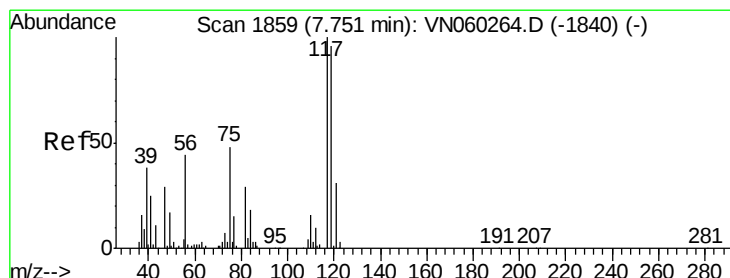
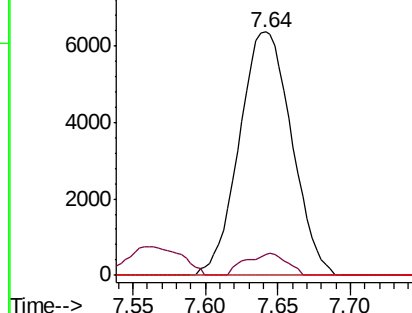
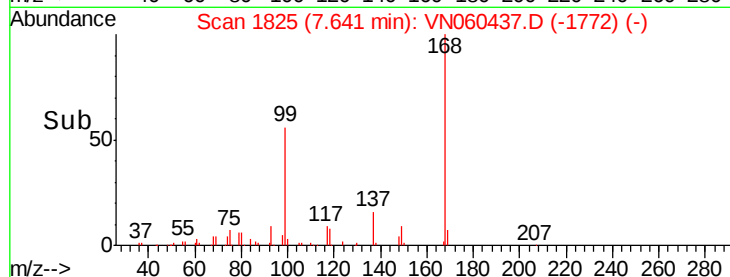
77 0.0 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VN060437.D (-1772) (-)

Ion 109.90 (109.60 to 110.60): VN060437.D (-1772) (-)

Ion 76.90 (76.60 to 77.60): VN060437.D (-1772) (-)



#38

Carbon Tetrachloride

Concen: 6.194 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN060437.D

Acq: 11 Mar 2020 9:56

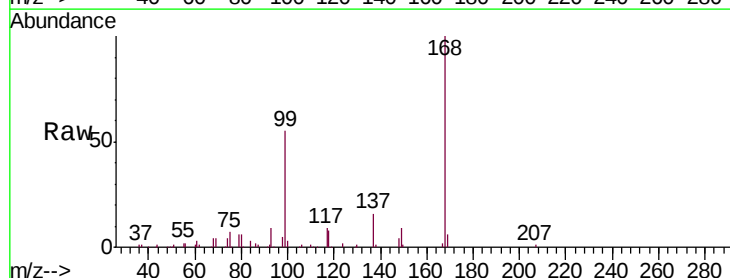
Tgt Ion: 117 Resp: 19208

Ion Ratio Lower Upper

117 100

119 4.4 76.7 115.1#

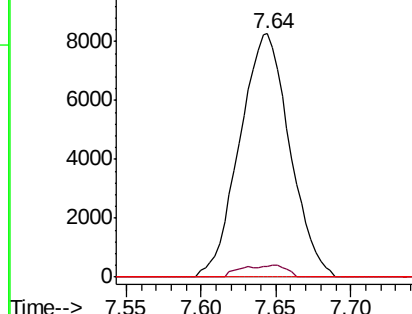
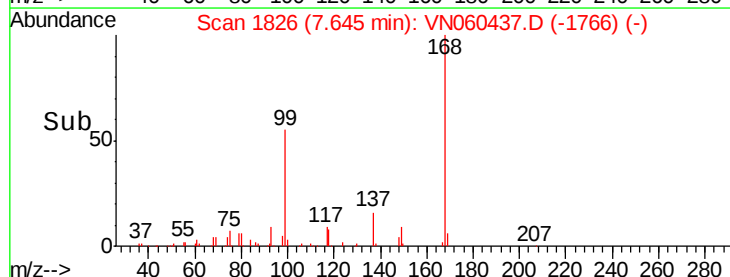
121 0.0 24.5 36.7#

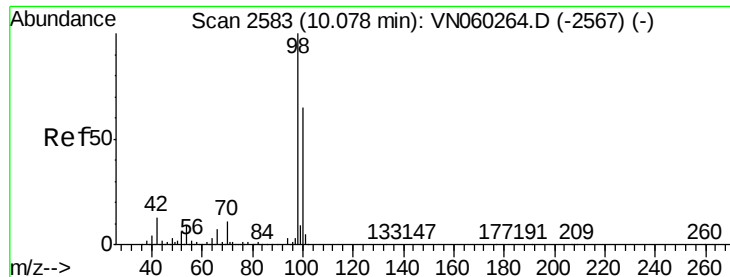


Abundance Ion 116.80 (116.50 to 117.50): VN060437.D (-1766) (-)

Ion 118.80 (118.50 to 119.50): VN060437.D (-1766) (-)

Ion 120.80 (120.50 to 121.50): VN060437.D (-1766) (-)





#50

Toluene-d8

Concen: 52.036 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060437.D

Acq: 11 Mar 2020 9:56

Instrument :

MSVOA_N

ClientSampleId :

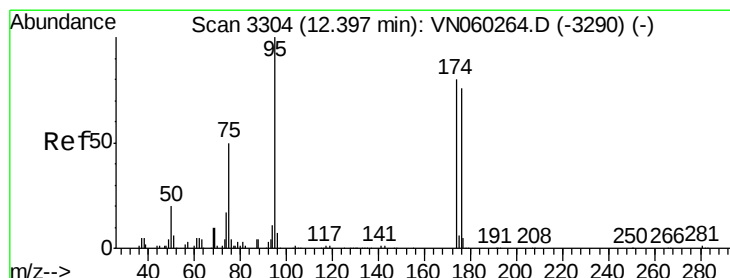
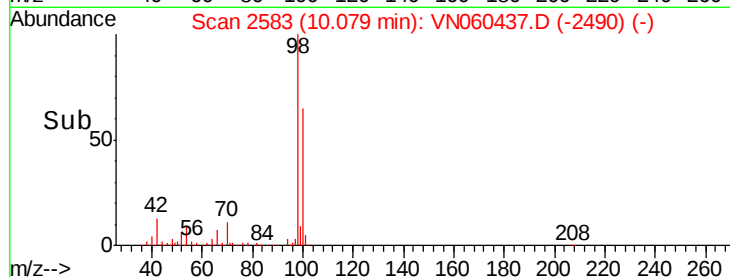
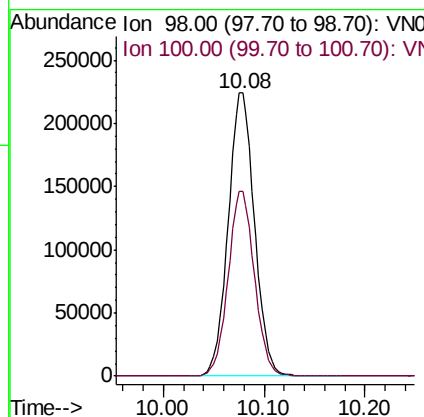
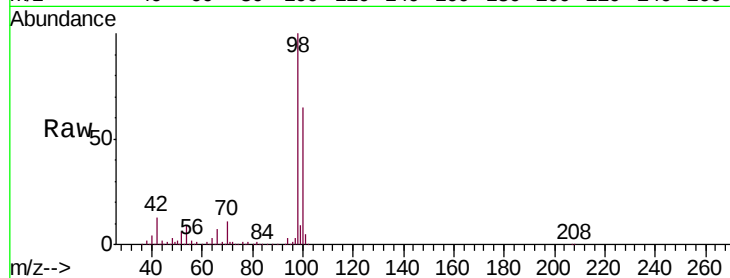
VN0311WBL01

Tgt Ion: 98 Resp: 408504

Ion Ratio Lower Upper

98 100

100 65.2 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 49.705 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060437.D

Acq: 11 Mar 2020 9:56

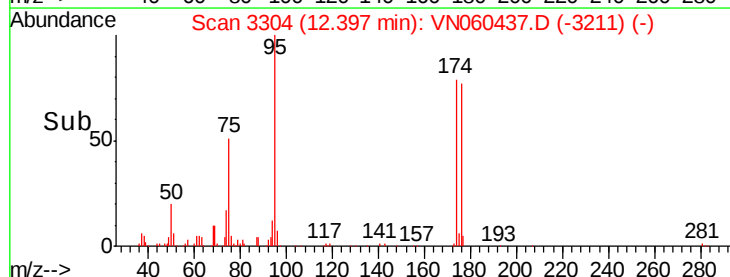
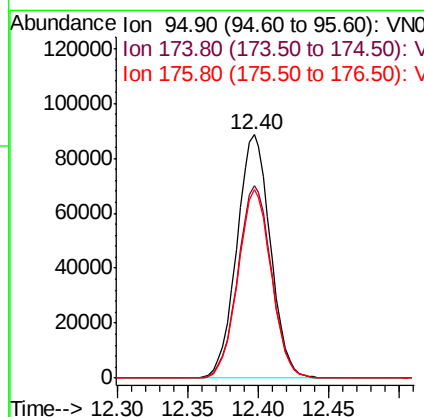
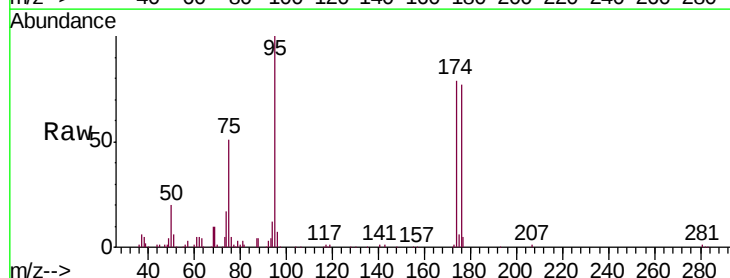
Tgt Ion: 95 Resp: 147919

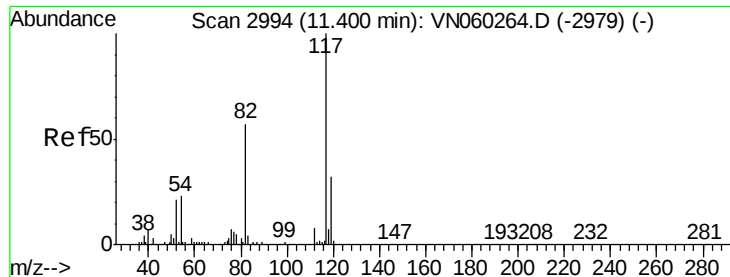
Ion Ratio Lower Upper

95 100

174 79.2 0.0 159.2

176 76.9 0.0 153.8

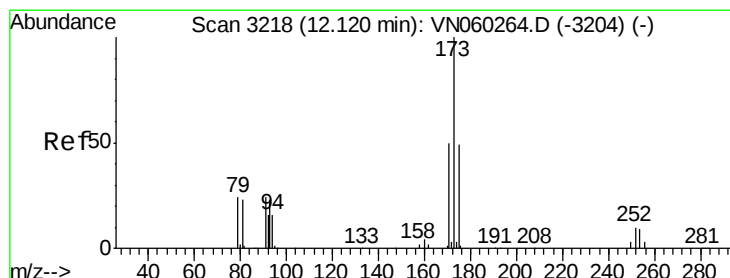
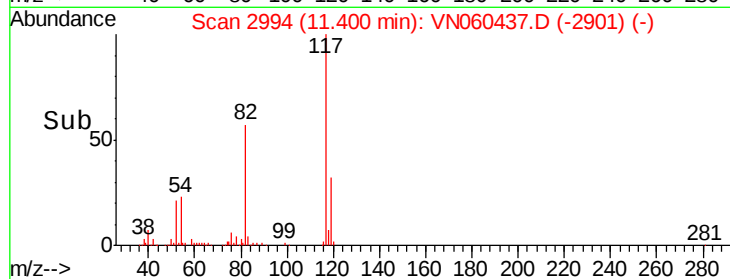
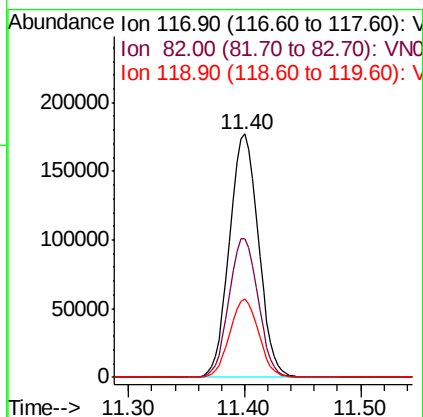
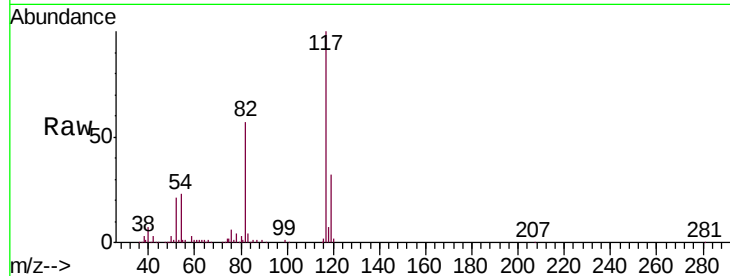




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060437.D
Acq: 11 Mar 2020 9:56

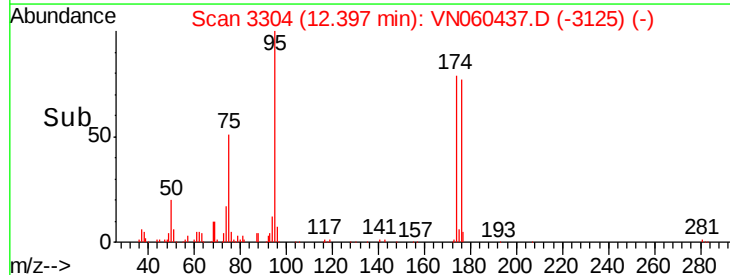
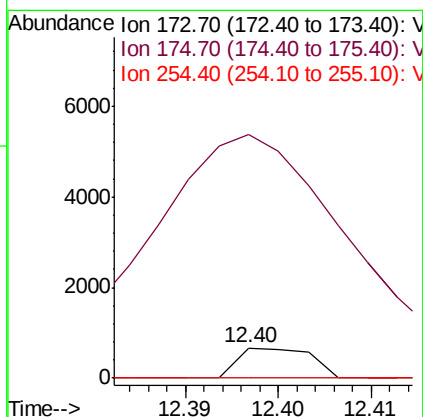
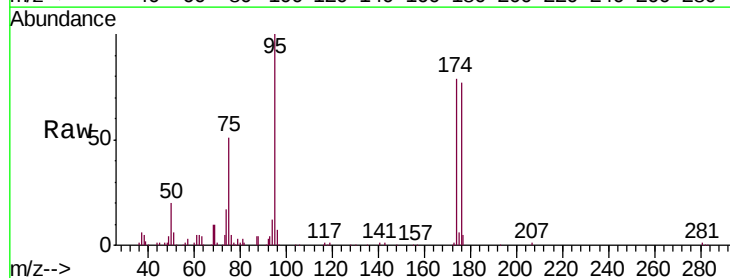
Instrument :
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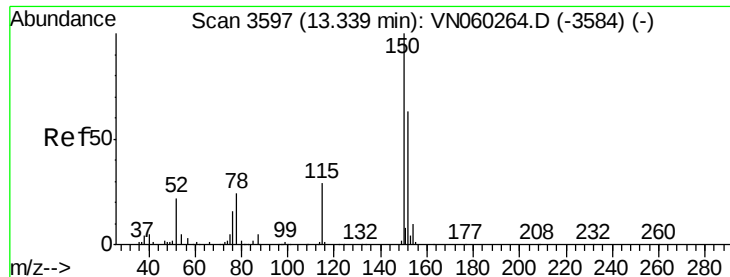
Tgt Ion:117 Resp: 306822
Ion Ratio Lower Upper
117 100
82 57.2 45.8 68.6
119 32.1 25.8 38.8



#71
Bromoform
Concen: 0.217 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.28 min
Lab File: VN060437.D
Acq: 11 Mar 2020 9:56

Tgt Ion:173 Resp: 358
Ion Ratio Lower Upper
173 100
175 2003.4 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: VN060437.D

Acq: 11 Mar 2020 9:56

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBL01

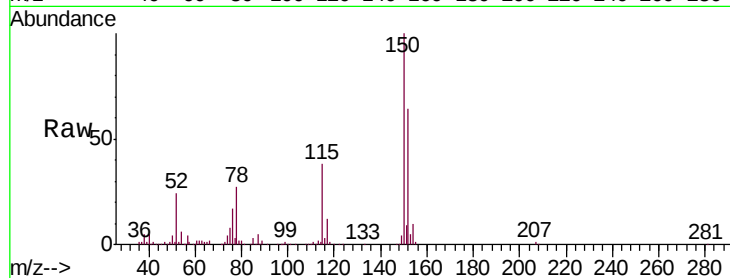
Tgt Ion: 152 Resp: 135868

Ion Ratio Lower Upper

152 100

115 58.9 30.0 90.0

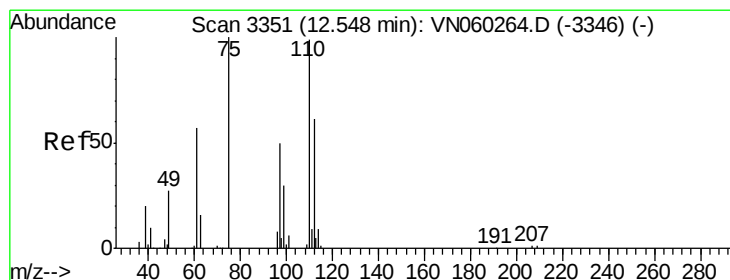
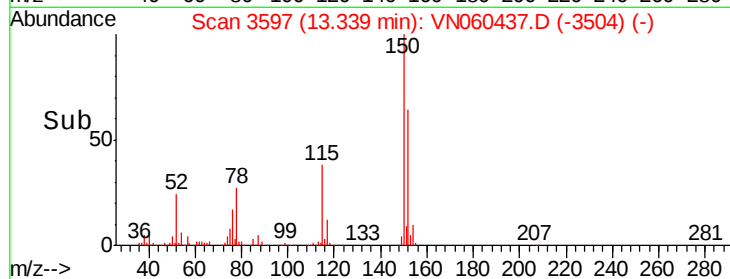
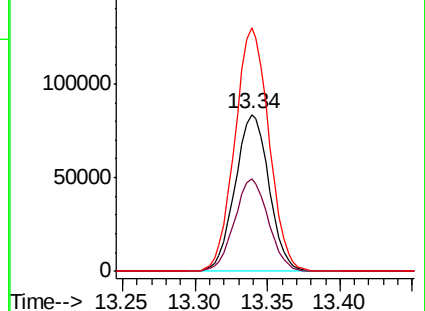
150 156.2 0.0 349.6



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: 25.243 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060437.D

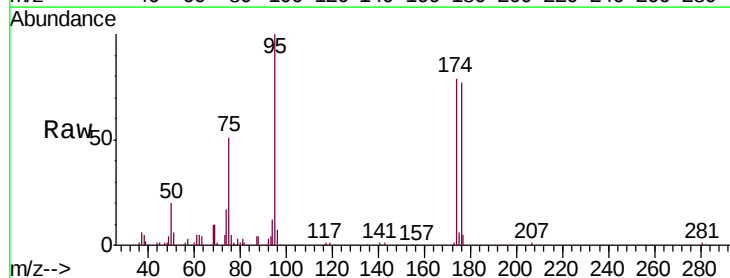
Acq: 11 Mar 2020 9:56

Tgt Ion: 75 Resp: 75247

Ion Ratio Lower Upper

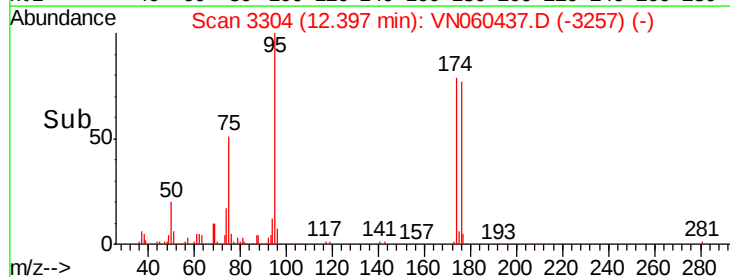
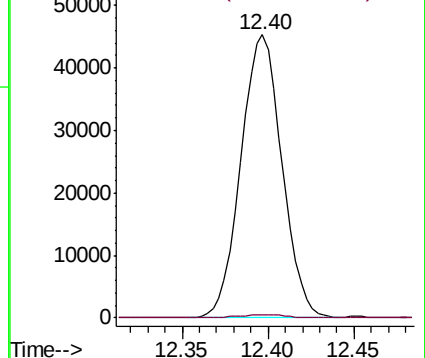
75 100

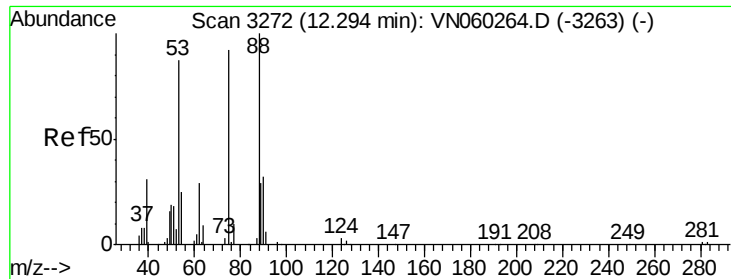
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

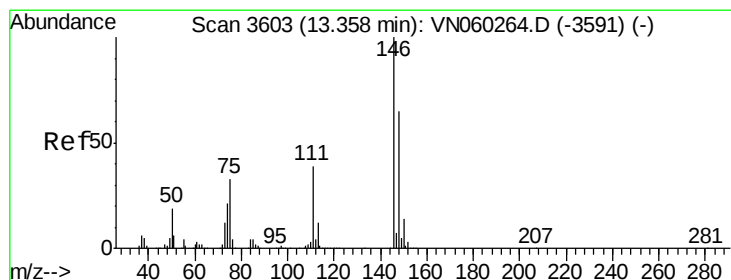
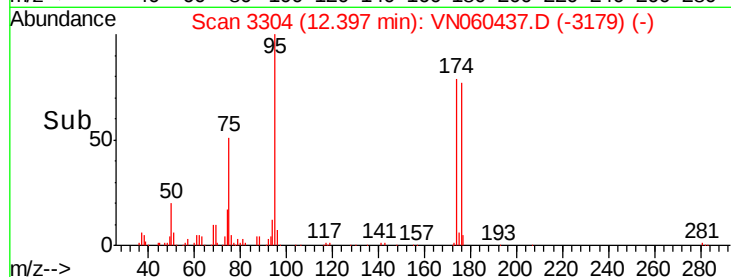
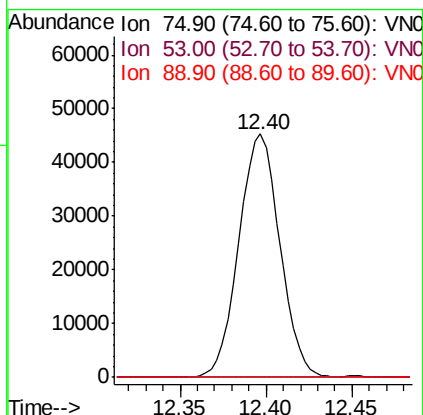
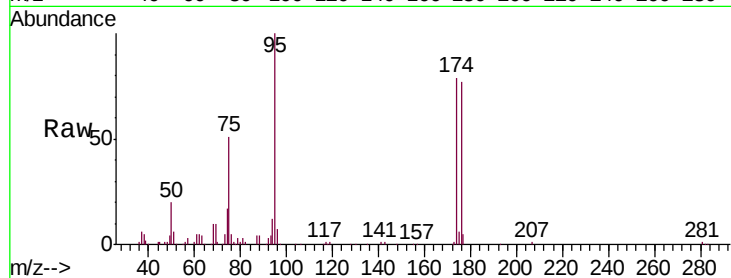




#81
trans-1,4-Dichloro-2-butene
Concen: 69.681 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060437.D
Acq: 11 Mar 2020 9:56

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBL01

Tgt Ion: 75 Resp: 75247
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 57.1 85.7#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.36 min Scan# 3605
Delta R.T. 0.01 min
Lab File: VN060437.D
Acq: 11 Mar 2020 9:56

Tgt Ion: 146 Resp: 62
Ion Ratio Lower Upper
146 100
111 0.0 19.8 59.4#
148 0.0 32.3 96.9#

