

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100920\
 Data File : VN064047.D
 Acq On : 9 Oct 2020 18:49
 Operator : JC/MD
 Sample : L4350-04 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-4

Quant Time: Oct 10 01:30:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100620W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 06 16:42:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	44486	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	215287	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	204569	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	120654	30.20	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.67%
60) 4-Bromofluorobenzene	12.38	95	80560	23.03	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	76.77%
63) Toluene-d8	10.06	98	267907	28.90	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.33%

Target Compounds

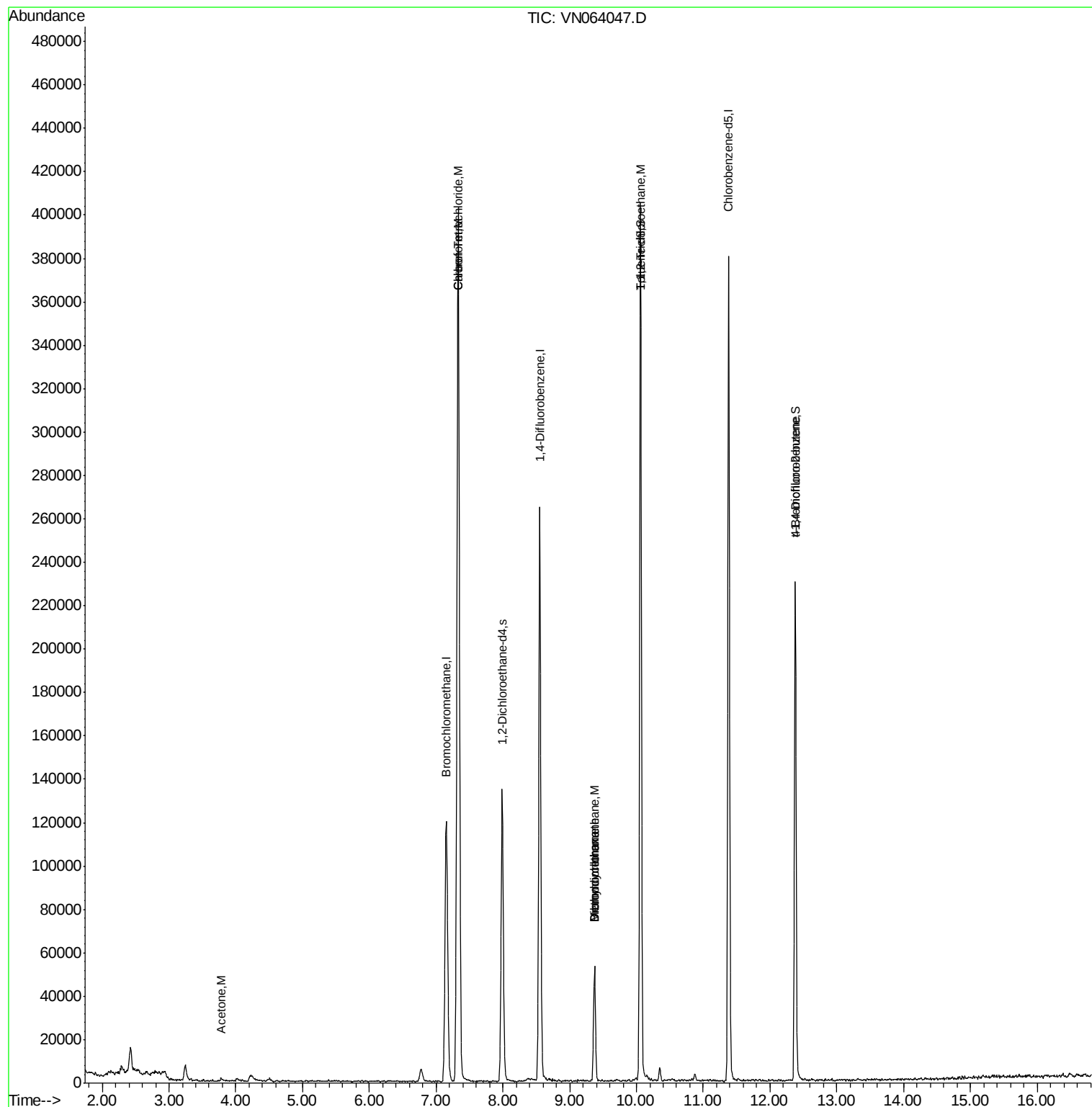
					Ovalue	
15) Acetone	3.78	58	150	0.429	ug/l #	1
25) Chloroform	7.33	83	416493	73.463	ug/l	100
33) Carbon Tetrachloride	7.33	117	4093	0.971	ug/l	85
38) Methylcyclohexane	9.37	83	36270	11.394	ug/l #	16
40) Dibromomethane	9.37	93	1100	0.541	ug/l #	2
41) Bromodichloromethane	9.37	83	36270	8.579	ug/l	94
50) 1,1,2-Trichloroethane	10.06	97	10217	3.761	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.38	75	44785	32.162	ug/l #	12

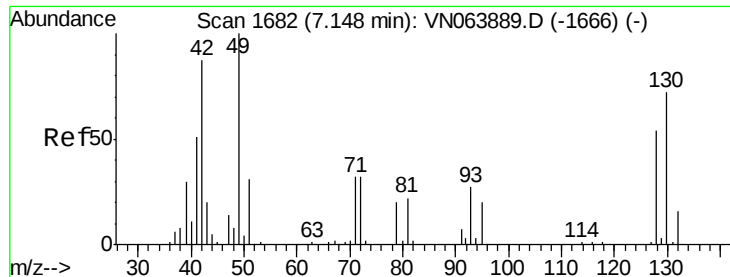
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100920\
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ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
14B-4

Quant Time: Oct 10 01:30:59 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100620W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Oct 06 16:42:38 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VN064047.D

Acq: 9 Oct 2020 18:49

Instrument :

MSVOA_N

ClientSampled :

14B-4

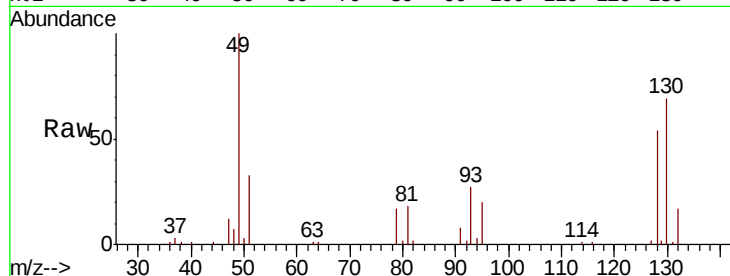
Tot Ion:128 Resp: 44486

Ion Ratio Lower Upper

128 100

49 192.2 0.0 437.5

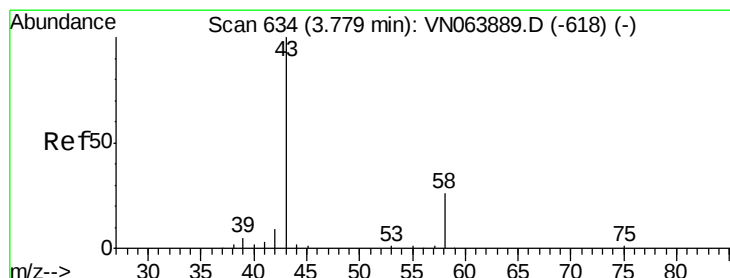
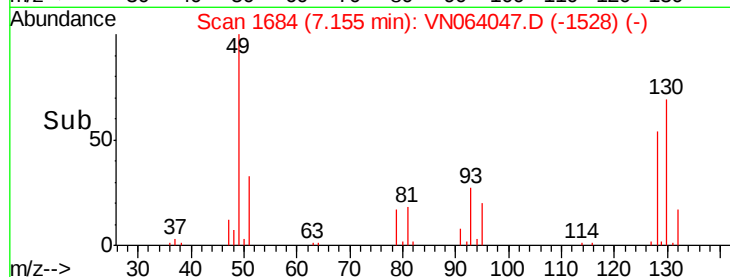
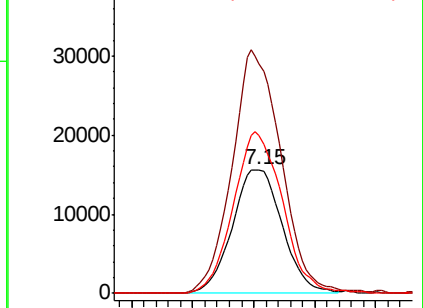
130 128.2 0.0 327.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#15

Acetone

Concen: 0.429 ug/l

RT: 3.78 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN064047.D

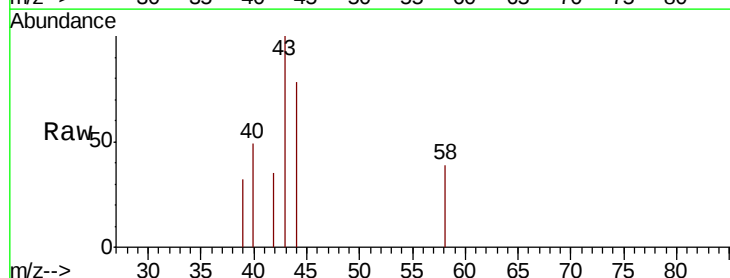
Acq: 9 Oct 2020 18:49

Tgt Ion: 58 Resp: 150

Ion Ratio Lower Upper

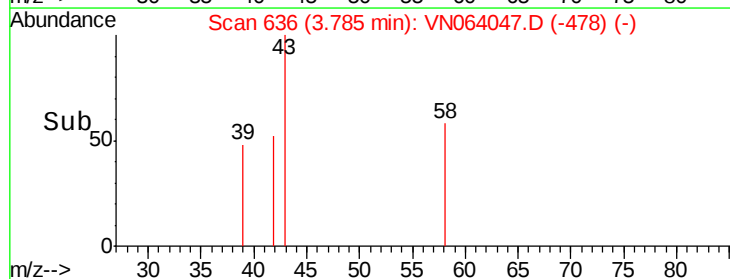
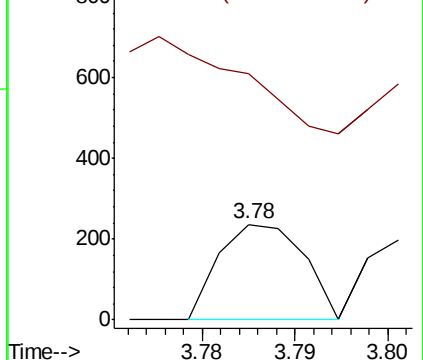
58 100

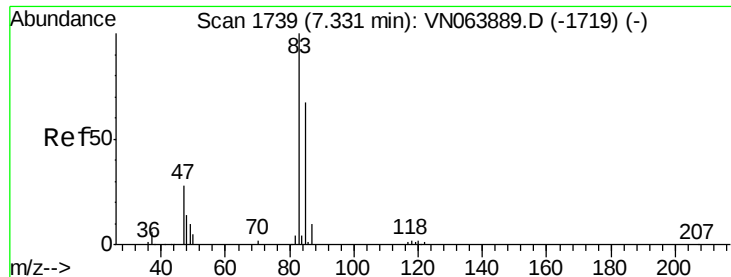
43 63.3 233.2 349.8#



Abundance Ion 58.00 (57.70 to 58.70): VN

Ion 43.00 (42.70 to 43.70): VN

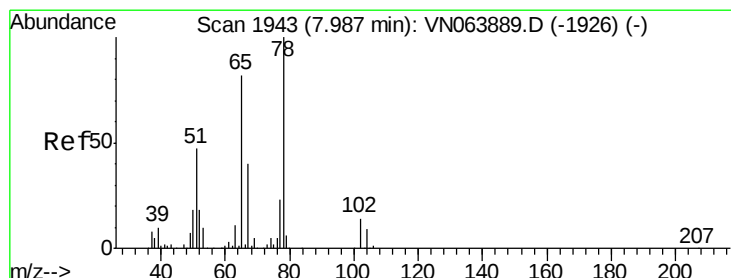
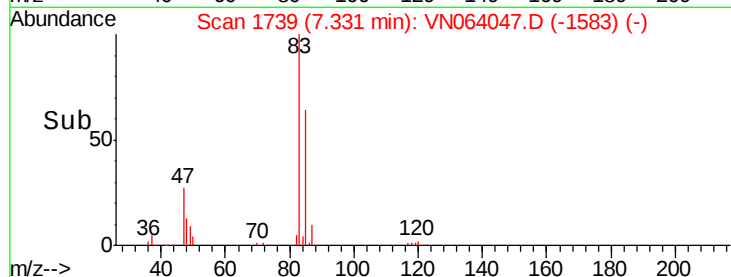
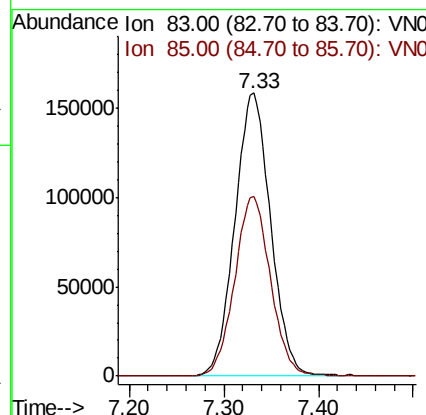
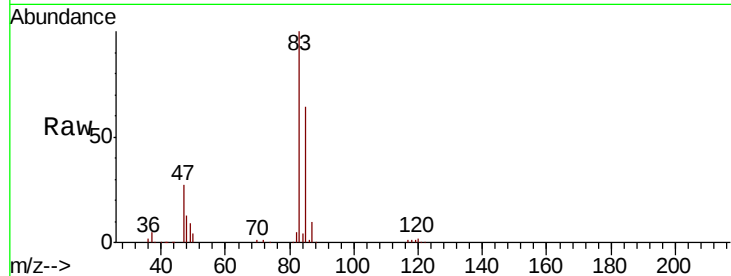




#25
Chloroform
Concen: 73.463 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN064047.D
Acq: 9 Oct 2020 18:49

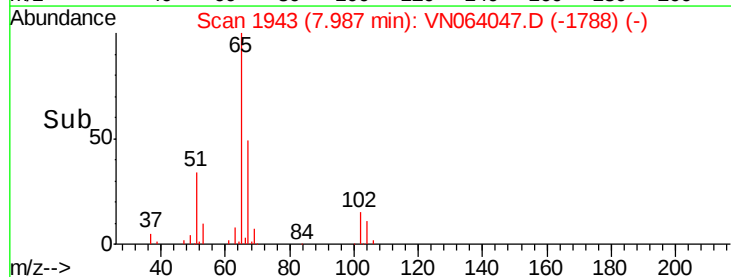
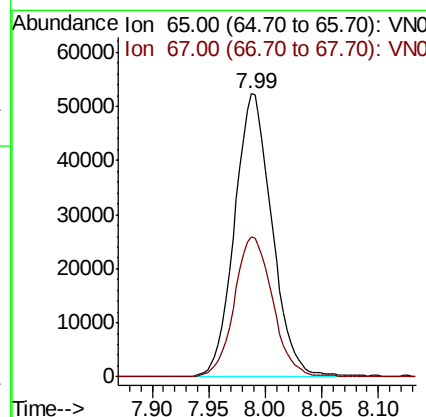
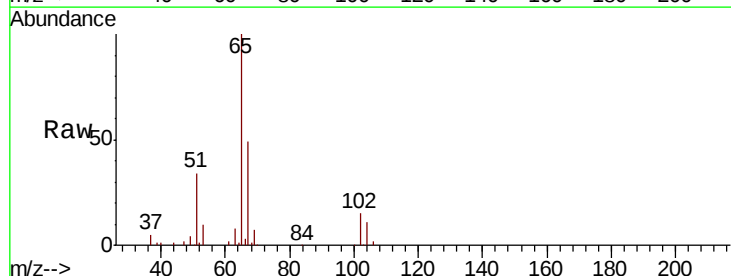
Instrument :
MSVOA_N
ClientSampled :
14B-4

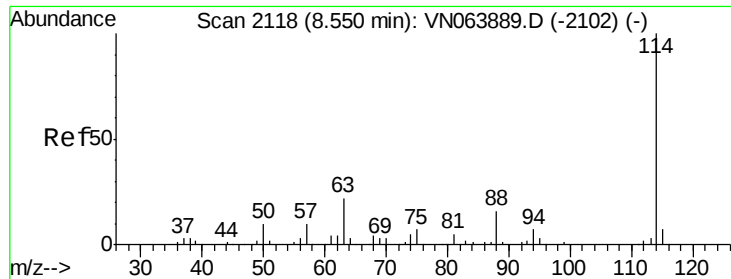
Tot Ion: 83 Resp: 416493
Ion Ratio Lower Upper
83 100
85 63.6 51.0 76.4



#27
1,2-Dichloroethane-d4
Concen: 30.199 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN064047.D
Acq: 9 Oct 2020 18:49

Tgt Ion: 65 Resp: 120654
Ion Ratio Lower Upper
65 100
67 50.2 43.8 65.6

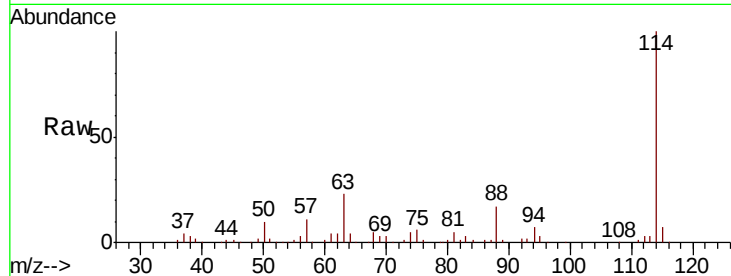




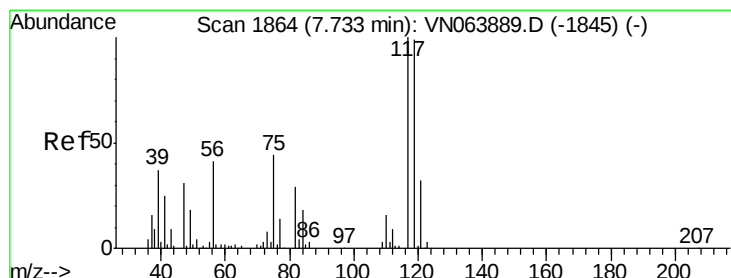
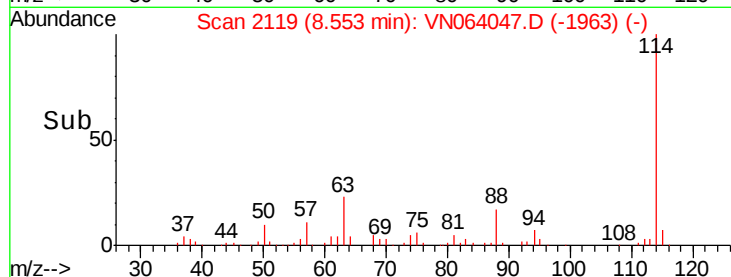
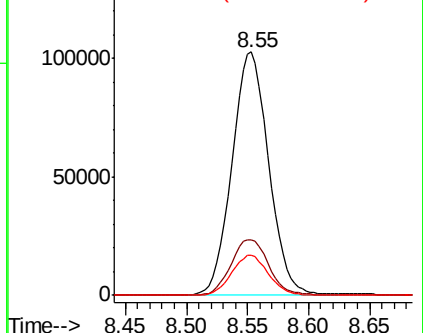
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN064047.D
 Acq: 9 Oct 2020 18:49

Instrument :
 MSVOA_N
 ClientSampled :
 14B-4

Tot Ion:114 Resp: 215287
 Ion Ratio Lower Upper
 114 100
 63 23.6 17.0 25.6
 88 16.4 12.6 18.8

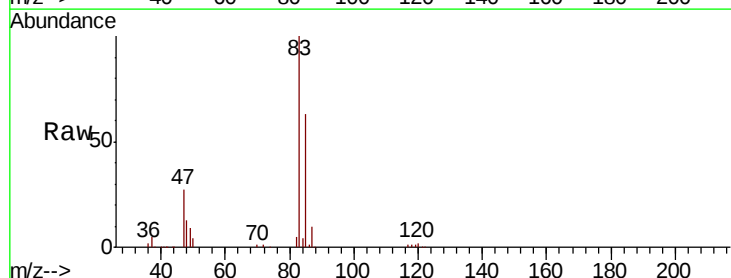


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 88.00 (87.70 to 88.70): VN

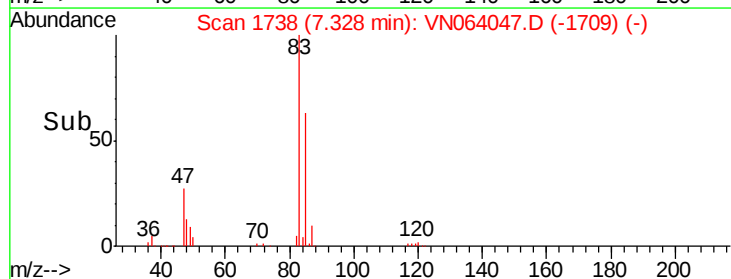
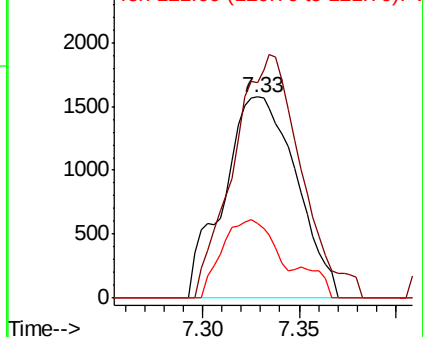


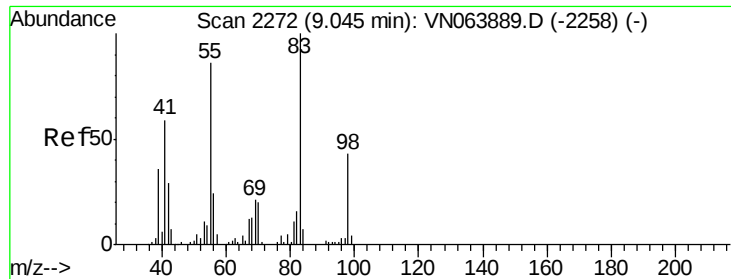
#33
 Carbon Tetrachloride
 Concen: 0.971 ug/l
 RT: 7.33 min Scan# 1738
 Delta R.T. -0.41 min
 Lab File: VN064047.D
 Acq: 9 Oct 2020 18:49

Tgt Ion:117 Resp: 4093
 Ion Ratio Lower Upper
 117 100
 119 106.9 73.0 109.4
 121 37.0 24.9 37.3



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V
 Ion 121.00 (120.70 to 121.70): V

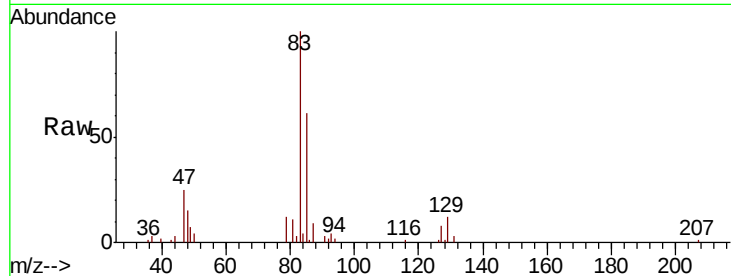




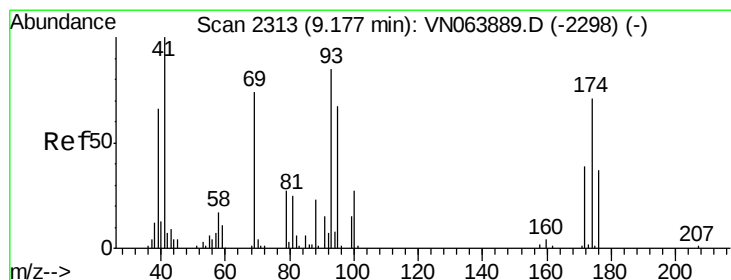
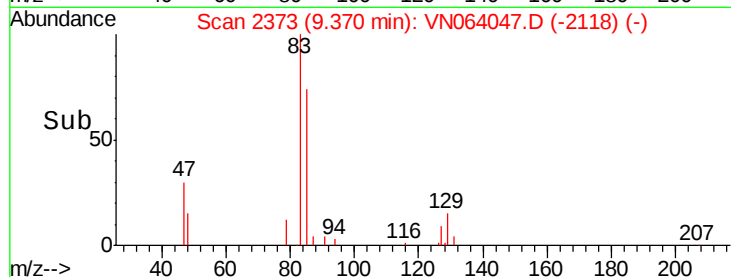
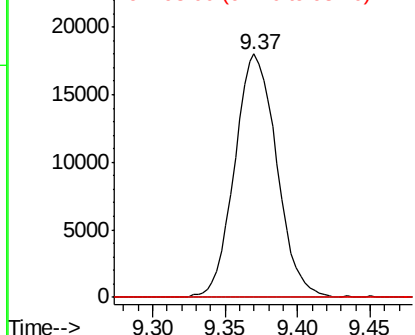
#38
Methvlcvclohexane
Concen: 11.394 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.32 min
Lab File: VN064047.D
Acq: 9 Oct 2020 18:49

Instrument :
MSVOA_N
ClientSampleId :
14B-4

Tot Ion: 83 Resp: 36270
Ion Ratio Lower Upper
83 100
55 0.0 41.9 125.7#
98 0.0 22.2 66.6#

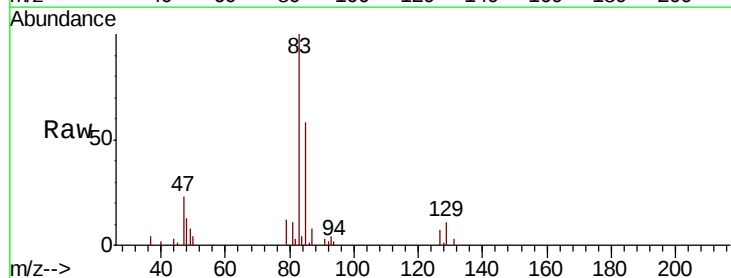


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

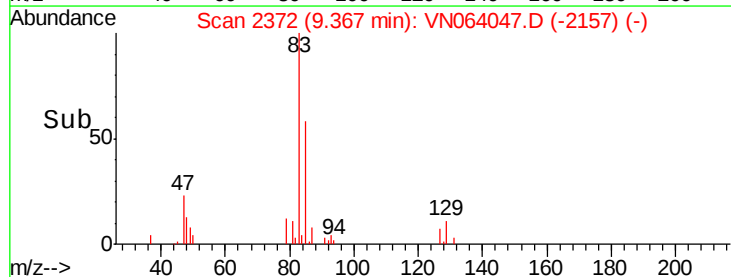
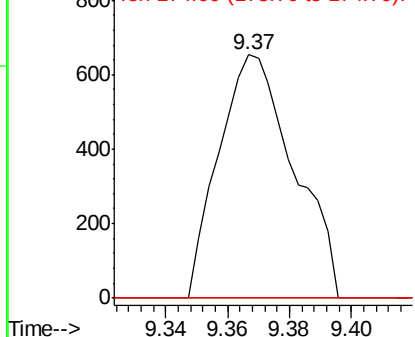


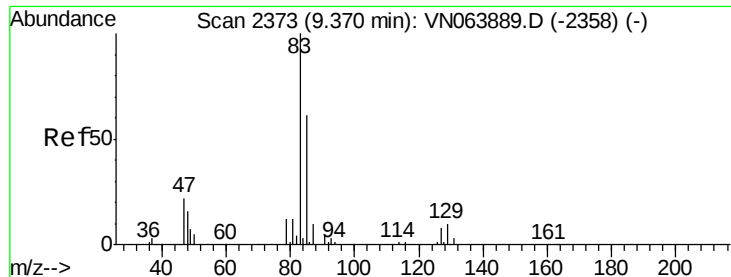
#40
Dibromomethane
Concen: 0.541 ug/l
RT: 9.37 min Scan# 2372
Delta R.T. 0.19 min
Lab File: VN064047.D
Acq: 9 Oct 2020 18:49

Tgt Ion: 93 Resp: 1100
Ion Ratio Lower Upper
93 100
95 0.0 0.0 168.2
174 0.0 0.0 208.4



Abundance Ion 93.00 (92.70 to 93.70): VN0
Ion 95.00 (94.70 to 95.70): VN0
Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 8.579 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064047.D

Acq: 9 Oct 2020 18:49

Instrument :

MSVOA_N

ClientSampleId :

14B-4

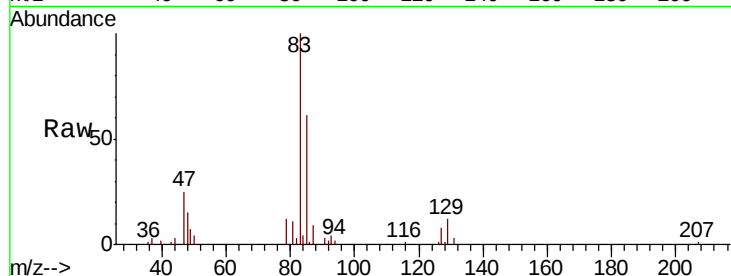
Tot Ion: 83 Resp: 36270

Ion Ratio Lower Upper

83 100

85 61.2 52.6 79.0

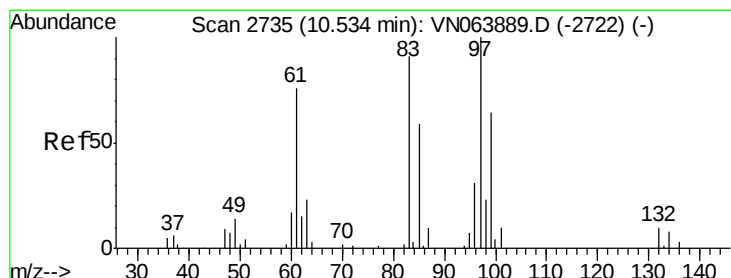
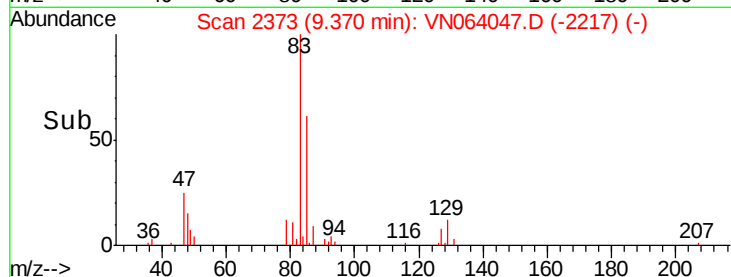
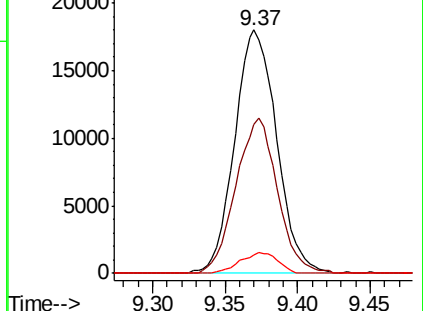
127 7.7 7.4 11.0



Abundance Ion 83.00 (82.70 to 83.70): VNC

Ion 85.00 (84.70 to 85.70): VNC

Ion 127.00 (126.70 to 127.70): VNC



#50

1,1,2-Trichloroethane

Concen: 3.761 ug/l

RT: 10.06 min Scan# 2589

Delta R.T. -0.47 min

Lab File: VN064047.D

Acq: 9 Oct 2020 18:49

Tgt Ion: 97 Resp: 10217

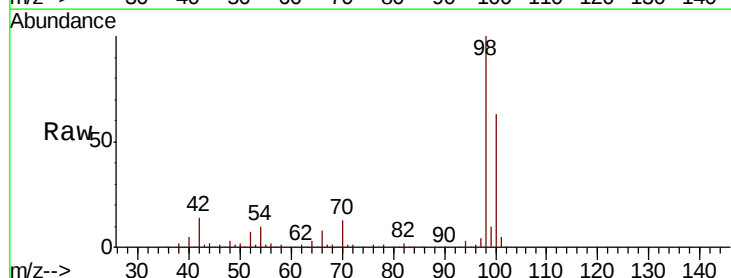
Ion Ratio Lower Upper

97 100

83 4.2 69.9 104.9#

85 0.0 44.0 66.0#

99 264.6 50.6 76.0#

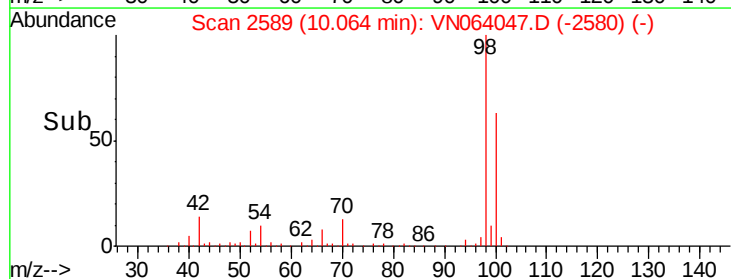
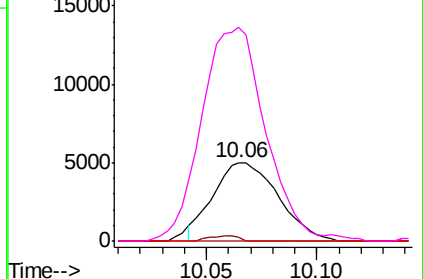


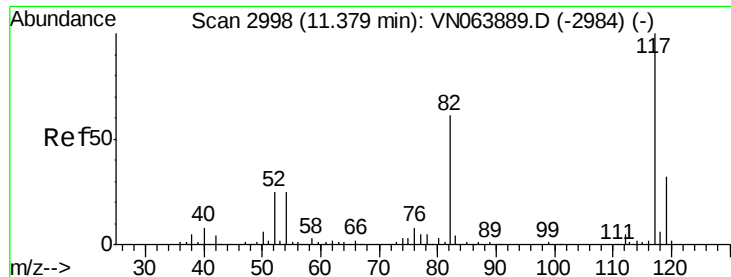
Abundance Ion 97.00 (96.70 to 97.70): VNC

Ion 82.95 (82.65 to 83.65): VNC

Ion 84.95 (84.65 to 85.65): VNC

Ion 98.95 (98.65 to 99.65): VNC

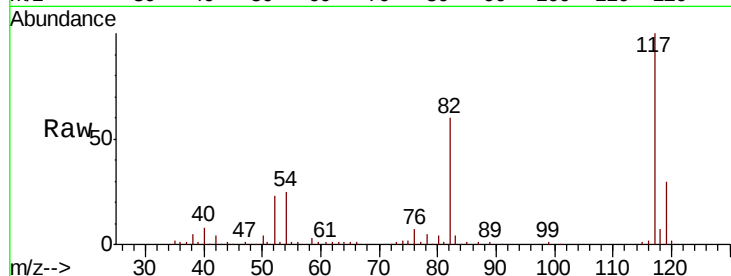




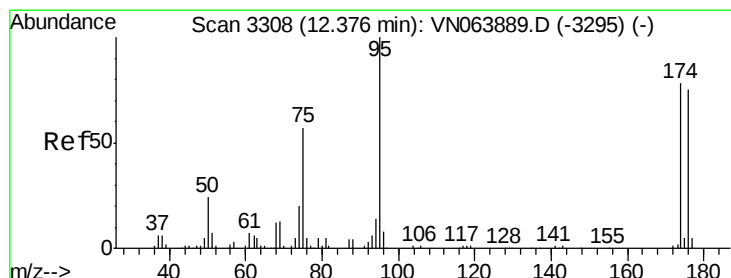
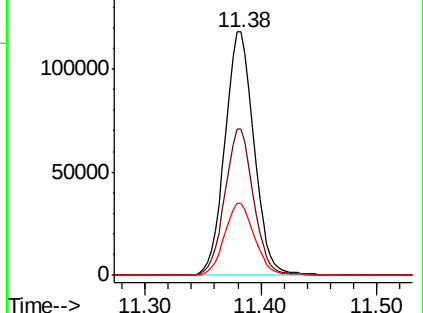
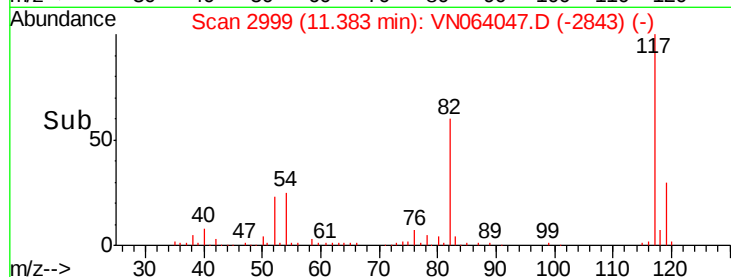
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2999
Delta R.T. 0.00 min
Lab File: VN064047.D
Acq: 9 Oct 2020 18:49

Instrument :
MSVOA_N
ClientSampleId :
14B-4

Tot Ion:117 Resp: 204569
Ion Ratio Lower Upper
117 100
82 59.3 44.9 67.3
119 30.5 26.0 39.0

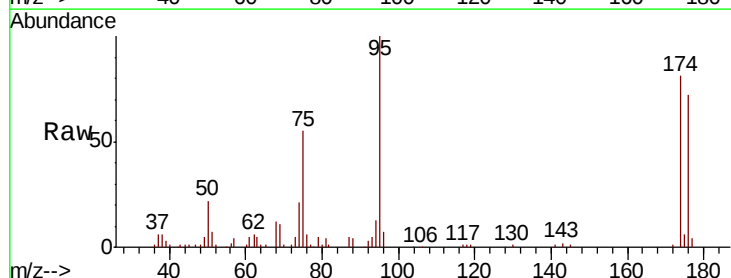


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

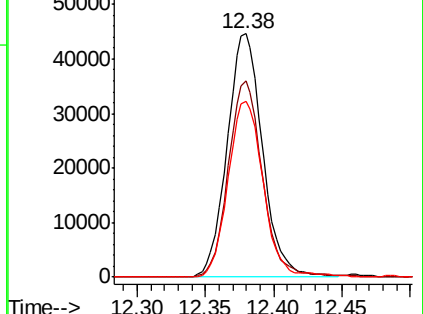
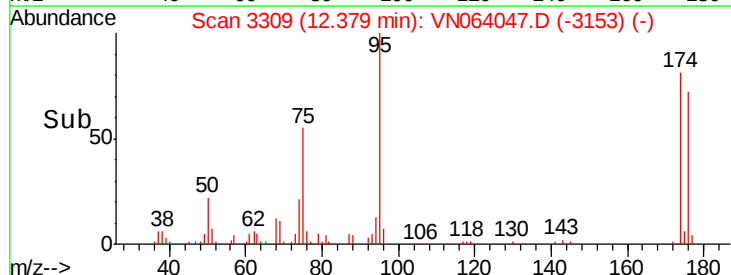


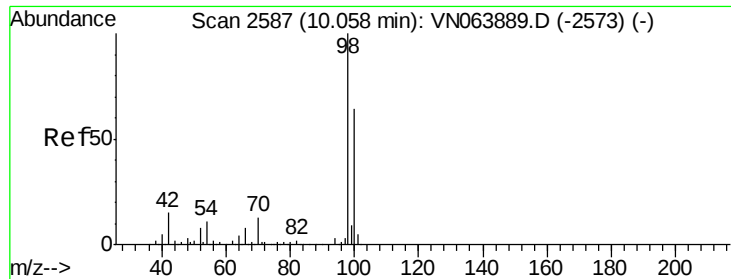
#60
4-Bromofluorobenzene
Concen: 23.028 ug/l
RT: 12.38 min Scan# 3309
Delta R.T. 0.00 min
Lab File: VN064047.D
Acq: 9 Oct 2020 18:49

Tgt Ion: 95 Resp: 80560
Ion Ratio Lower Upper
95 100
174 77.2 70.1 105.1
176 70.3 66.8 100.2



Abundance Ion 95.00 (94.70 to 95.70): VN
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V





#63

Toluene-d8

Concen: 28.898 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064047.D

Acq: 9 Oct 2020 18:49

Instrument :

MSVOA_N

ClientSampled :

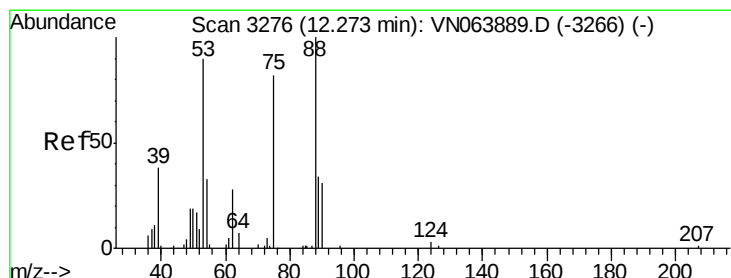
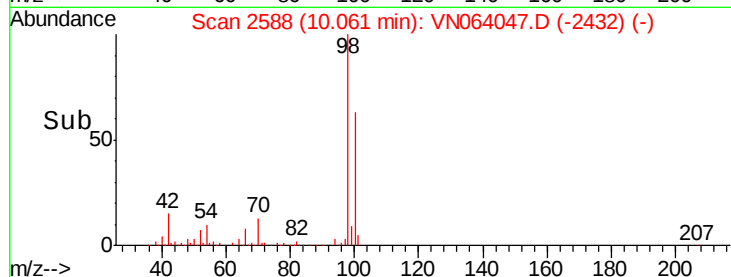
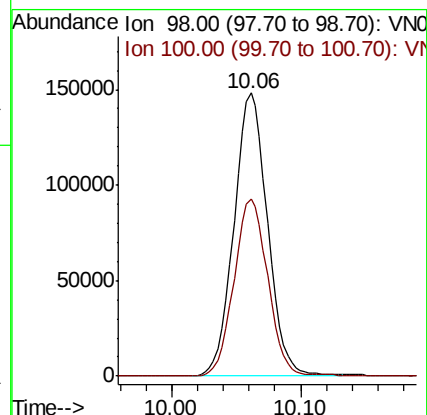
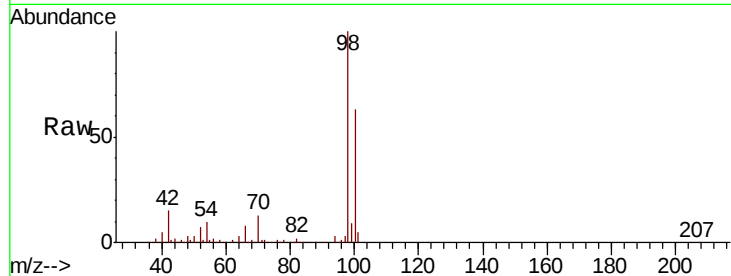
14B-4

Tot Ion: 98 Resp: 267907

Ion Ratio Lower Upper

98 100

100 62.7 51.4 77.2



#77

t-1,4-Dichloro-2-butene

Concen: 32.162 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064047.D

Acq: 9 Oct 2020 18:49

Tgt Ion: 75 Resp: 44785

Ion Ratio Lower Upper

75 100

53 0.0 47.0 141.0#

89 0.0 22.9 68.7#

