

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100920\
 Data File : VN064046.D
 Acq On : 9 Oct 2020 18:26
 Operator : JC/MD
 Sample : L4350-03 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-3

Quant Time: Oct 10 01:30:50 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	42776	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	204306	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	193364	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	118001	30.72	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.40%
60) 4-Bromofluorobenzene	12.38	95	78330	23.69	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	78.97%
63) Toluene-d8	10.06	98	264161	30.14	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.47%

Target Compounds

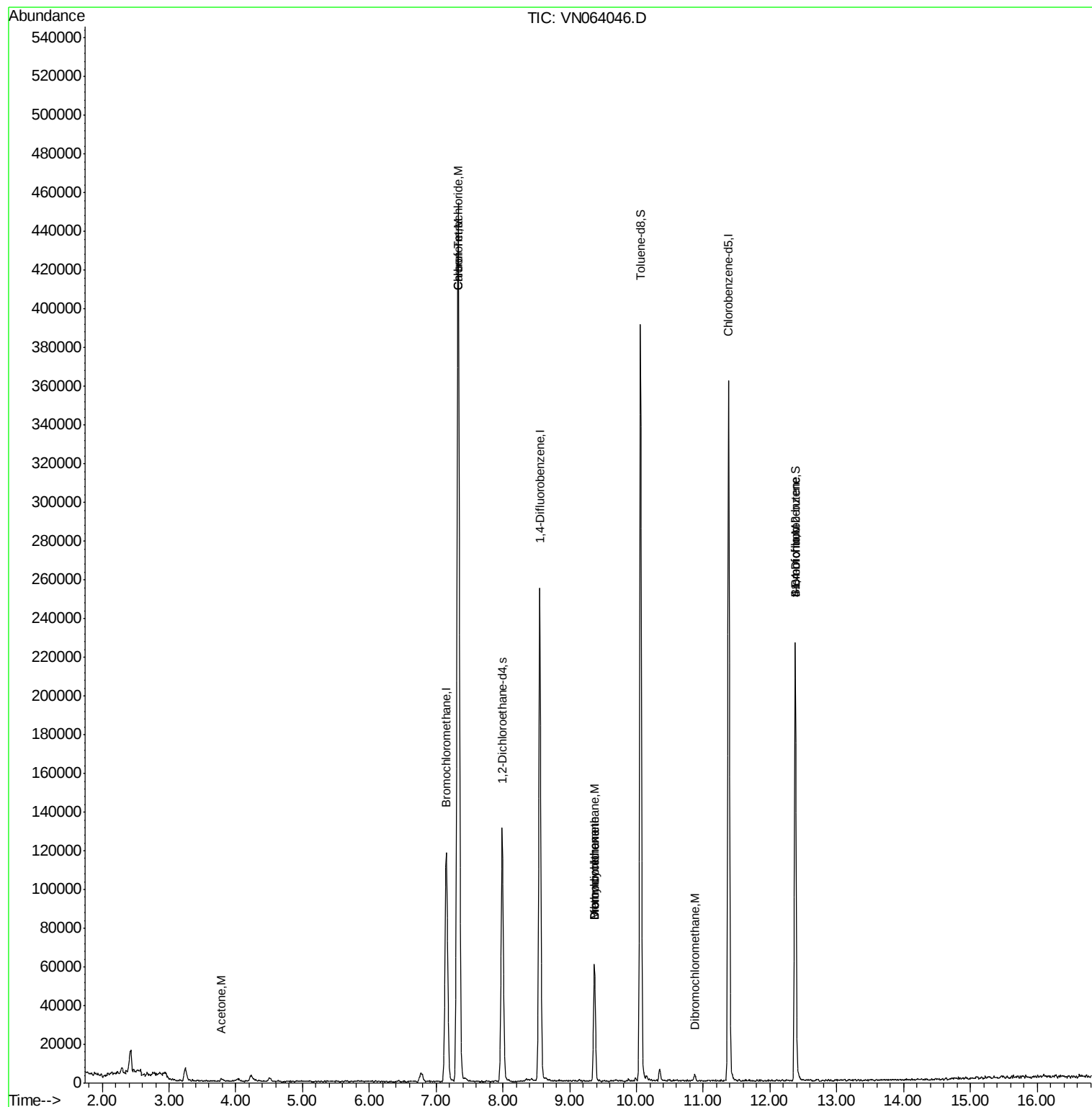
					Ovalue	
15) Acetone	3.78	58	111	0.330	ug/l #	1
25) Chloroform	7.33	83	470700	86.343	ug/l	100
33) Carbon Tetrachloride	7.33	117	5006	1.252	ug/l	90
38) Methylcyclohexane	9.37	83	39783	13.169	ug/l #	16
40) Dibromomethane	9.37	93	1218	0.631	ug/l #	2
41) Bromodichloromethane	9.37	83	39783	9.915	ug/l	97
53) Dibromochloromethane	10.87	129	1889	0.637	ug/l	88
56) Bromoform	12.38	173	850	0.413	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.38	75	42665	32.415	ug/l #	12

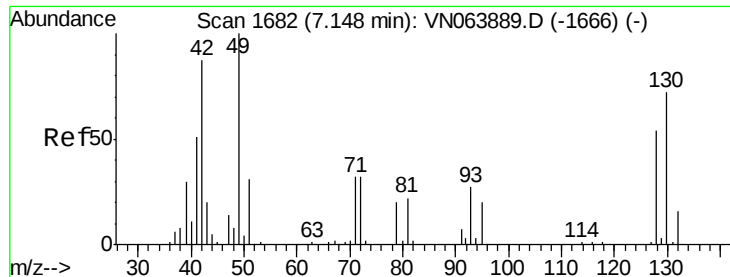
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 10 01:30:50 2020
Quant Method : Z:\V0ASRV\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# 1683

Delta R.T. -0.00 min

Lab File: VN064046.D

Acq: 9 Oct 2020 18:26

Instrument :

MSVOA_N

ClientSampled :

14B-3

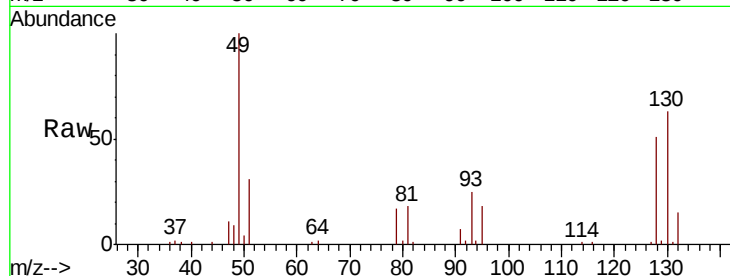
Tot Ion:128 Resp: 42776

Ion Ratio Lower Upper

128 100

49 194.8 0.0 437.5

130 129.7 0.0 327.3

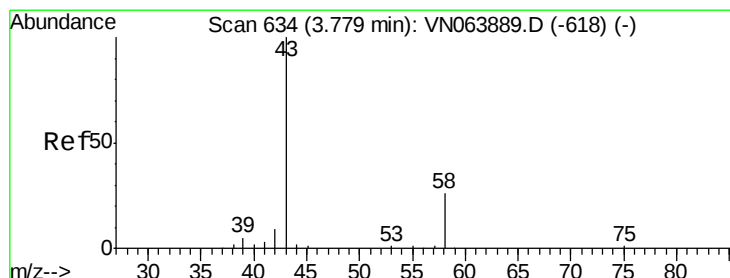
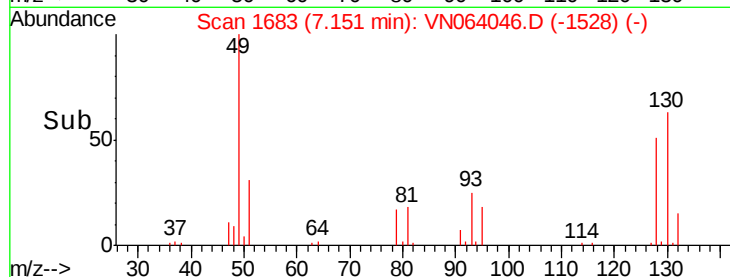
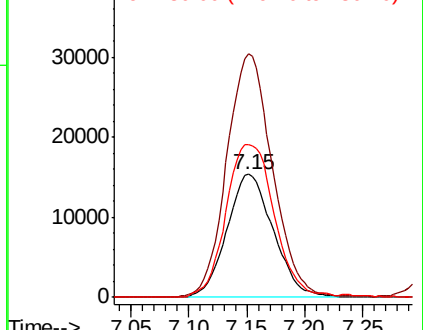


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): V

Ion 130.00 (129.70 to 130.70): V



#15

Acetone

Concen: 0.330 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN064046.D

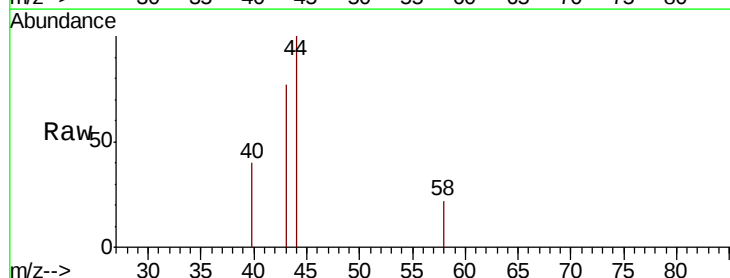
Acq: 9 Oct 2020 18:26

Tgt Ion: 58 Resp: 111

Ion Ratio Lower Upper

58 100

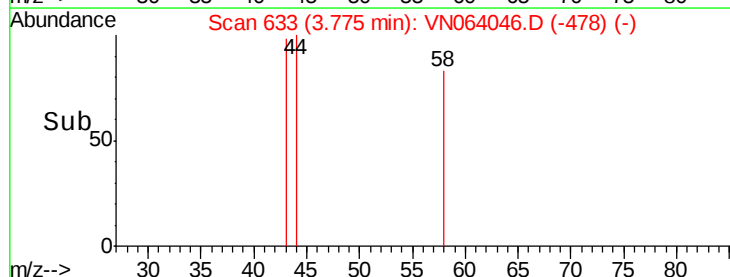
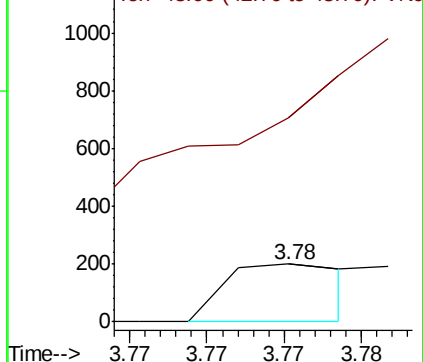
43 48.8 233.2 349.8#

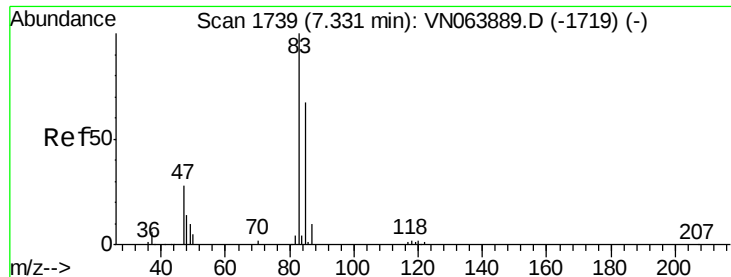


Abundance

Ion 58.00 (57.70 to 58.70): V

Ion 43.00 (42.70 to 43.70): V





#25

Chloroform

Concen: 86.343 ug/l

RT: 7.33 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VN064046.D

Acq: 9 Oct 2020 18:26

Instrument :

MSVOA_N

ClientSampled :

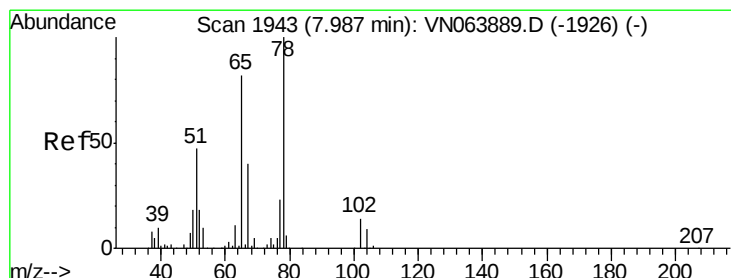
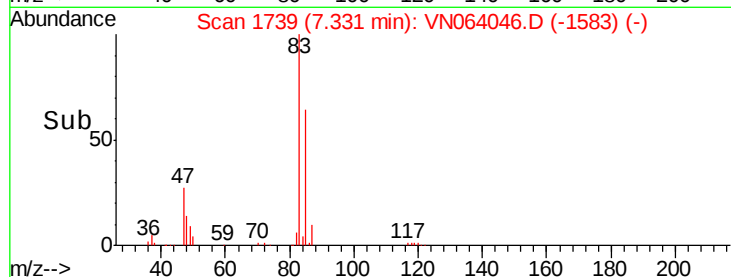
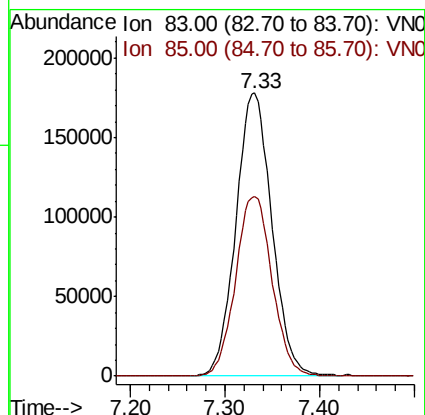
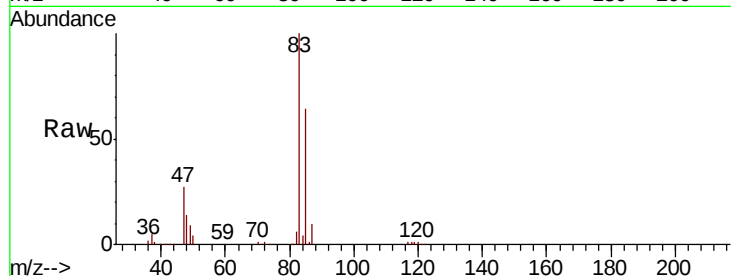
14B-3

Tot Ion: 83 Resp: 470700

Ion Ratio Lower Upper

83 100

85 63.6 51.0 76.4



#27

1,2-Dichloroethane-d4

Concen: 30.716 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN064046.D

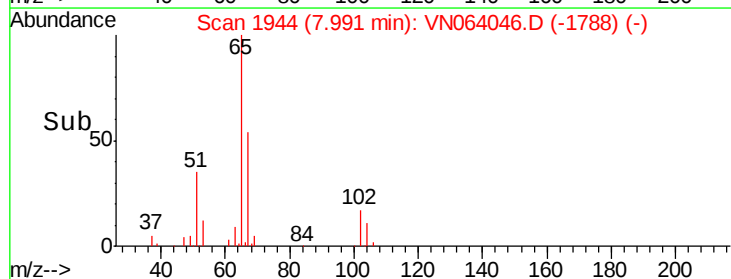
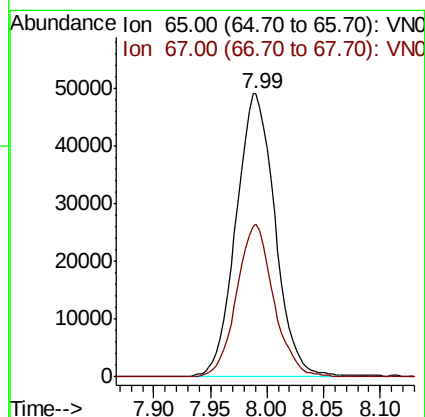
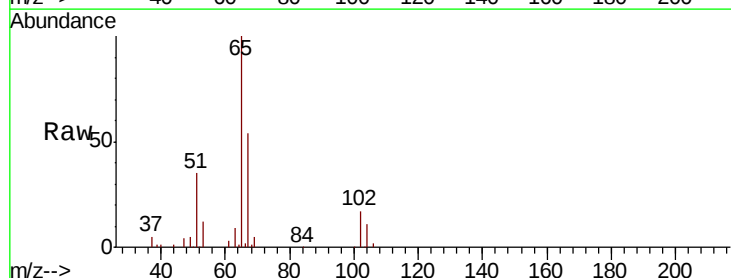
Acq: 9 Oct 2020 18:26

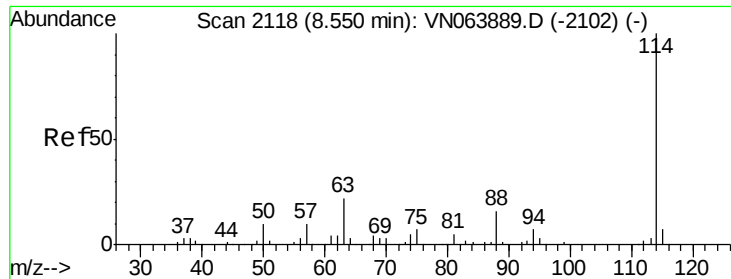
Tgt Ion: 65 Resp: 118001

Ion Ratio Lower Upper

65 100

67 51.2 43.8 65.6

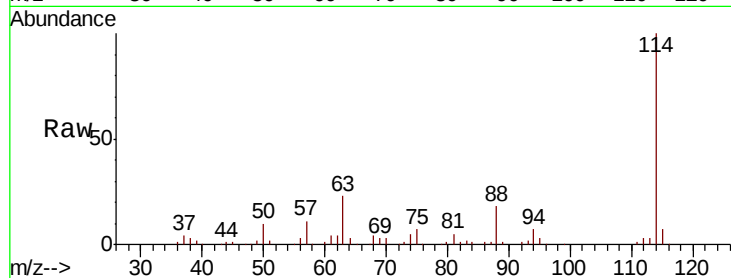




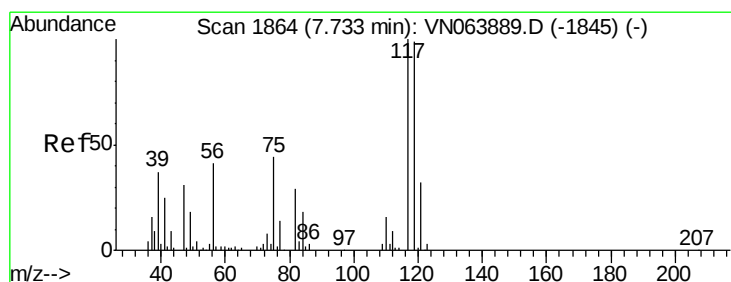
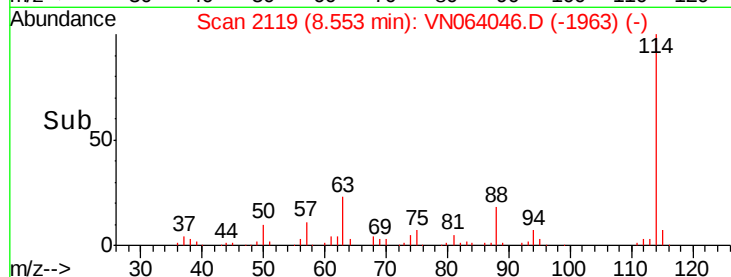
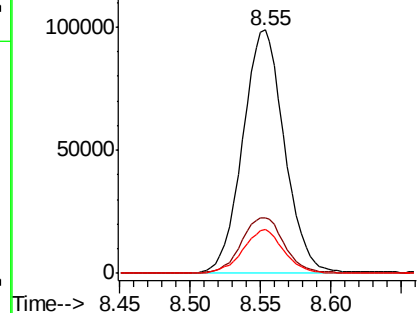
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN064046.D
 Acq: 9 Oct 2020 18:26

Instrument :
 MSVOA_N
 ClientSampled :
 14B-3

Tot Ion:114 Resp: 204306
 Ion Ratio Lower Upper
 114 100
 63 23.7 17.0 25.6
 88 17.6 12.6 18.8

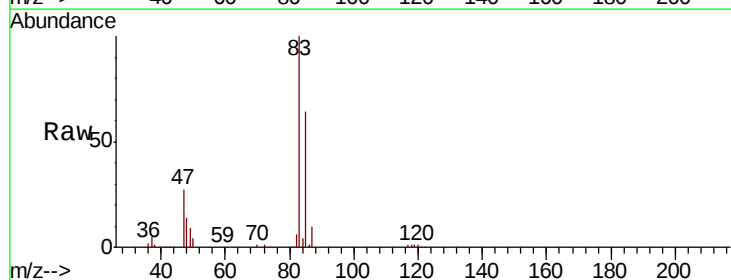


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 88.00 (87.70 to 88.70): VN

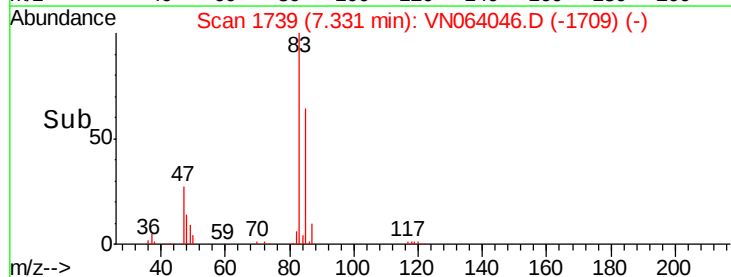
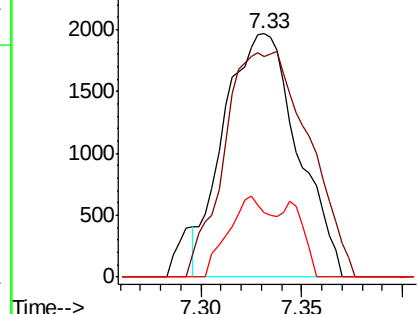


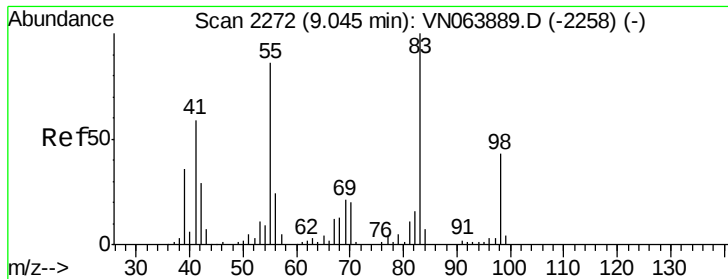
#33
 Carbon Tetrachloride
 Concen: 1.252 ug/l
 RT: 7.33 min Scan# 1739
 Delta R.T. -0.40 min
 Lab File: VN064046.D
 Acq: 9 Oct 2020 18:26

Tgt Ion:117 Resp: 5006
 Ion Ratio Lower Upper
 117 100
 119 81.6 73.0 109.4
 121 26.4 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

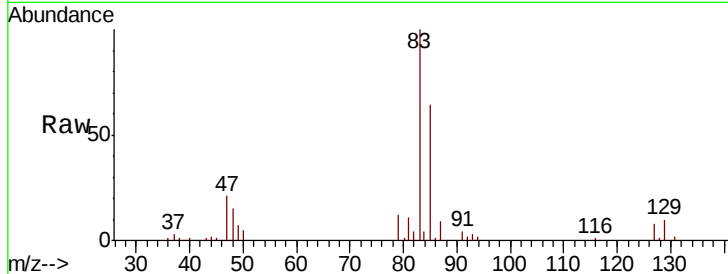




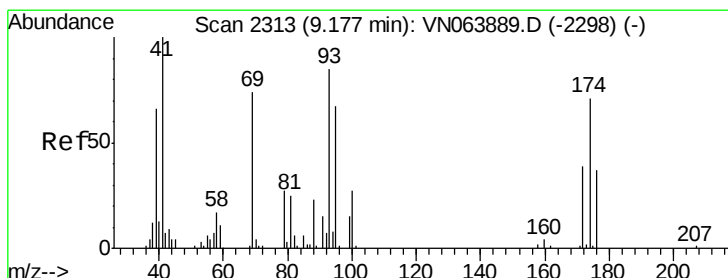
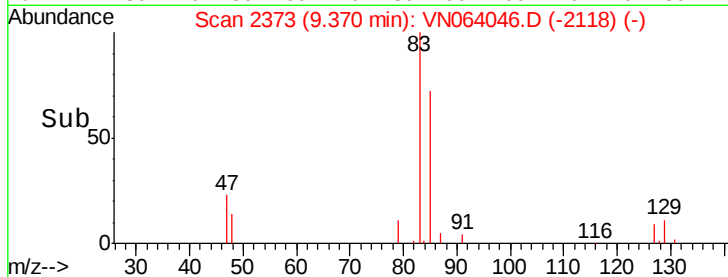
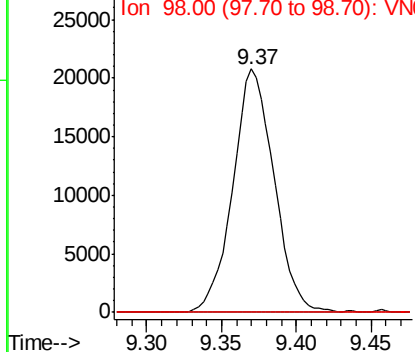
#38
Methvlcvclohexane
Concen: 13.169 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.32 min
Lab File: VN064046.D
Acq: 9 Oct 2020 18:26

Instrument :
MSVOA_N
ClientSampled :
14B-3

Tot Ion: 83 Resp: 39783
Ion Ratio Lower Upper
83 100
55 0.0 41.9 125.7#
98 0.0 22.2 66.6#

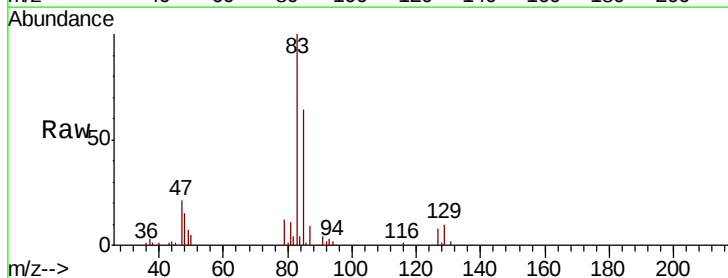


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

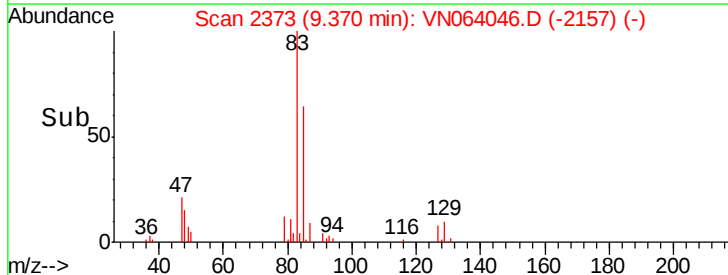
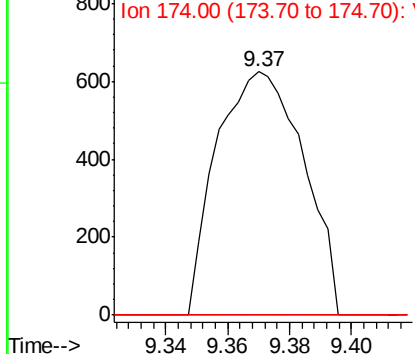


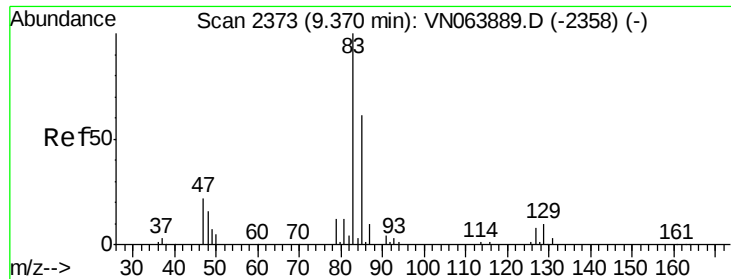
#40
Dibromomethane
Concen: 0.631 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.19 min
Lab File: VN064046.D
Acq: 9 Oct 2020 18:26

Tgt Ion: 93 Resp: 1218
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: 9.915 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064046.D

Acq: 9 Oct 2020 18:26

Instrument :

MSVOA_N

ClientSampled :

14B-3

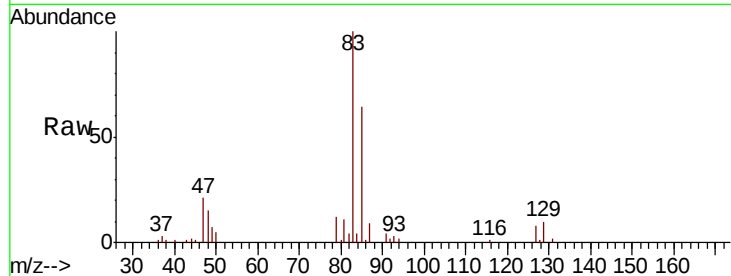
Tot Ion: 83 Resp: 39783

Ion Ratio Lower Upper

83 100

85 63.8 52.6 79.0

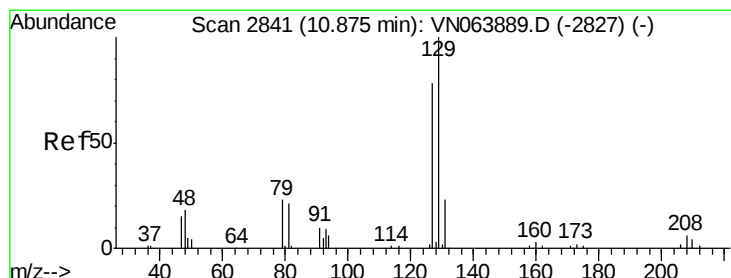
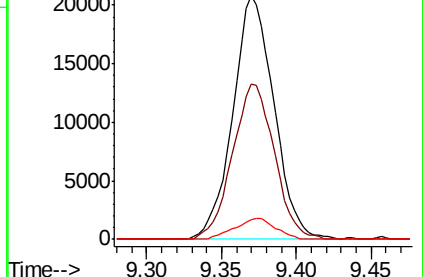
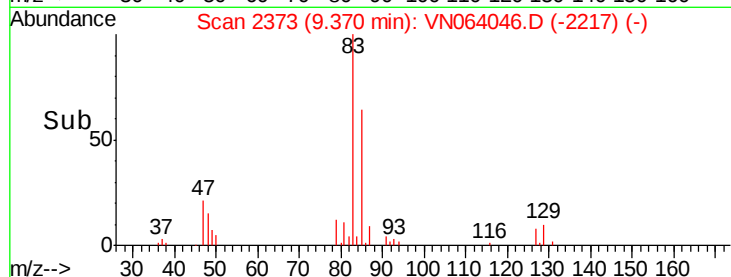
127 8.0 7.4 11.0



Abundance Ion 83.00 (82.70 to 83.70): VN063889.D (-2358) (-)

Ion 85.00 (84.70 to 85.70): VN063889.D (-2358) (-)

Ion 127.00 (126.70 to 127.70): VN063889.D (-2358) (-)



#53

Dibromochloromethane

Concen: 0.637 ug/l

RT: 10.87 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VN064046.D

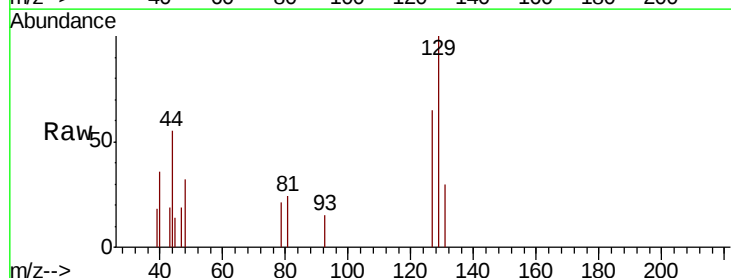
Acq: 9 Oct 2020 18:26

Tgt Ion: 129 Resp: 1889

Ion Ratio Lower Upper

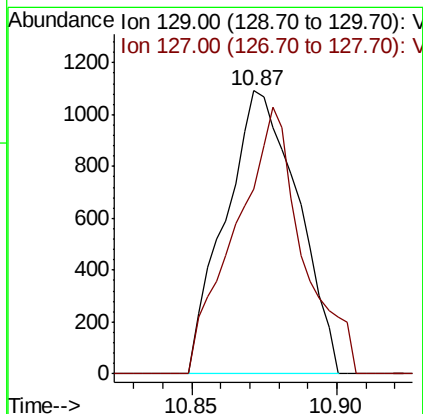
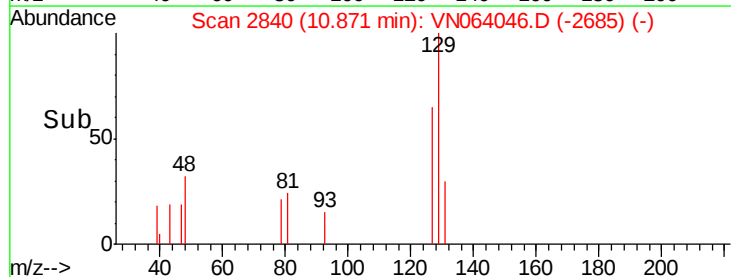
129 100

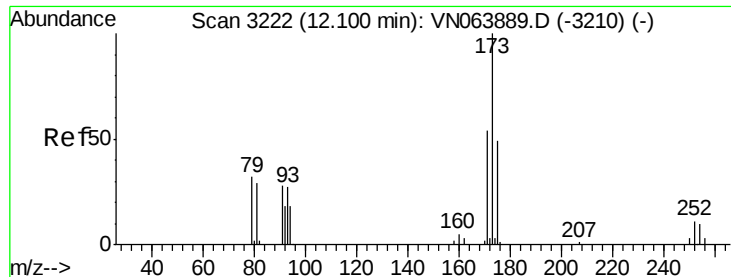
127 87.6 38.7 116.1



Abundance Ion 129.00 (128.70 to 129.70): VN063889.D (-2827) (-)

Ion 127.00 (126.70 to 127.70): VN063889.D (-2827) (-)





#56

Bromoform

Concen: 0.413 ug/l

RT: 12.38 min Scan# 3310

Delta R.T. 0.28 min

Lab File: VN064046.D

Acq: 9 Oct 2020 18:26

Instrument :

MSVOA_N

ClientSampleId :

14B-3

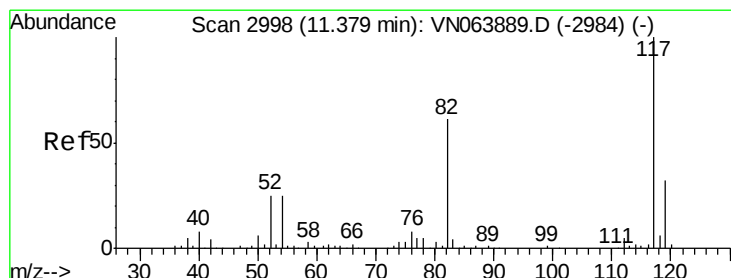
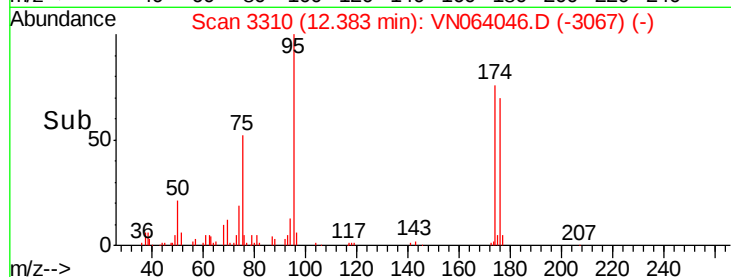
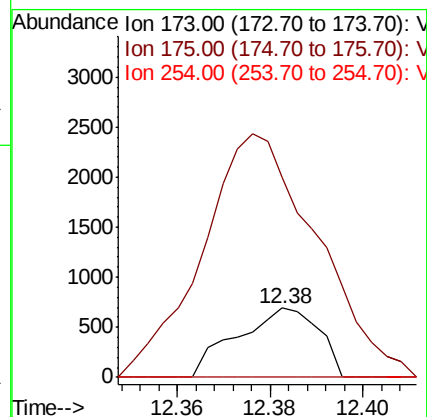
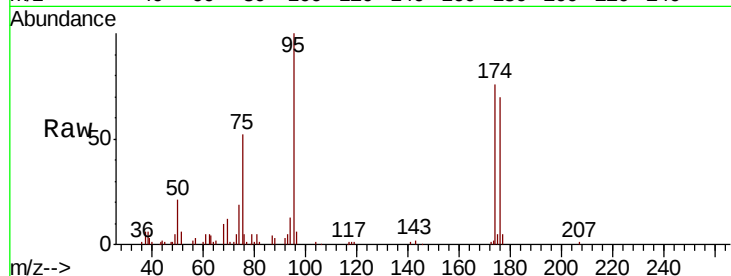
Tot Ion:173 Resp: 850

Ion Ratio Lower Upper

173 100

175 492.9 41.2 61.8#

254 0.0 9.0 13.4#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.38 min Scan# 2999

Delta R.T. 0.00 min

Lab File: VN064046.D

Acq: 9 Oct 2020 18:26

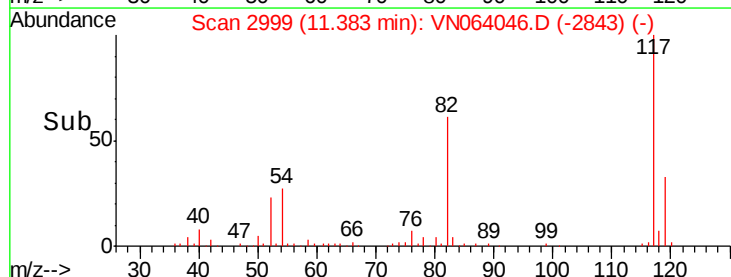
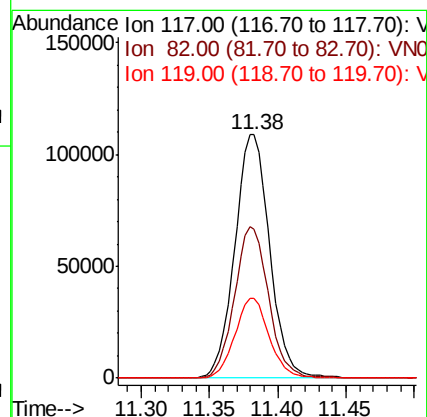
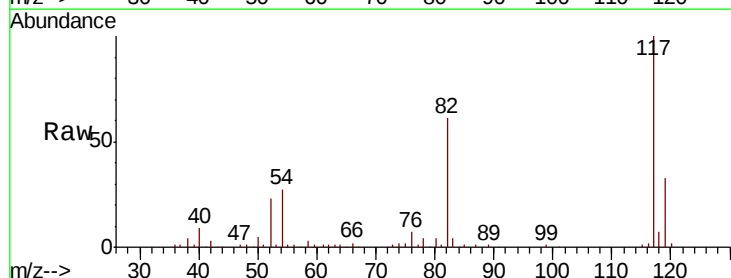
Tgt Ion:117 Resp: 193364

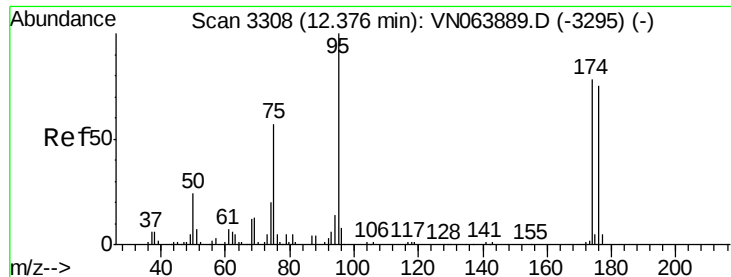
Ion Ratio Lower Upper

117 100

82 60.4 44.9 67.3

119 32.3 26.0 39.0

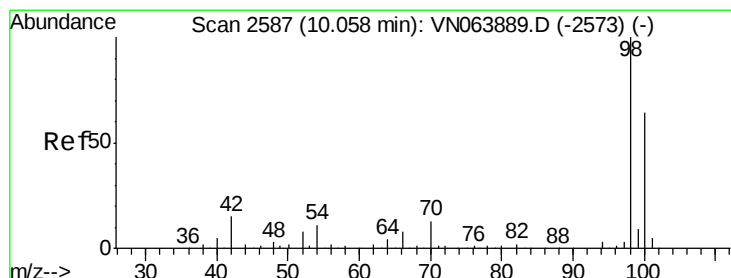
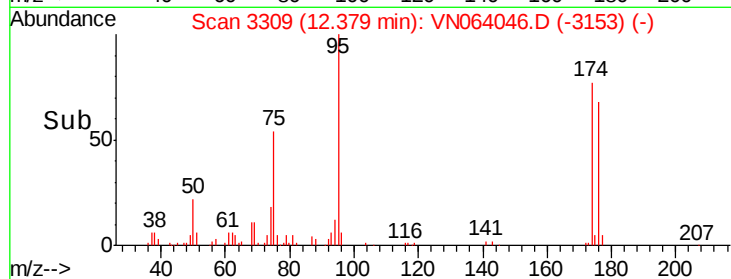
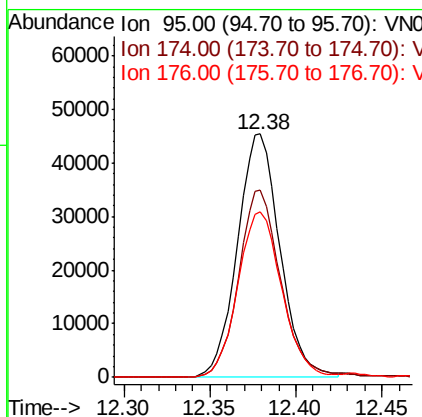
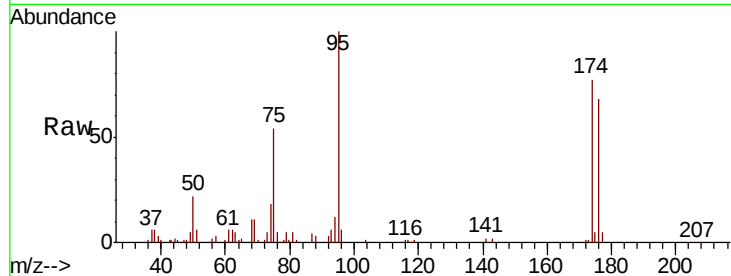




#60
4-Bromofluorobenzene
Concen: 23.688 ug/l
RT: 12.38 min Scan# 3309
Delta R.T. 0.00 min
Lab File: VN064046.D
Acq: 9 Oct 2020 18:26

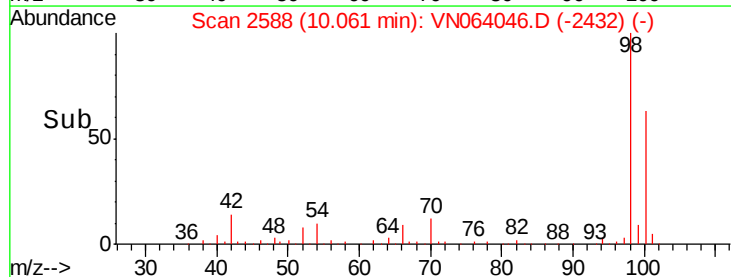
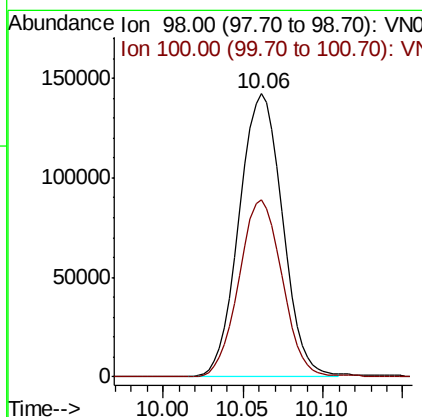
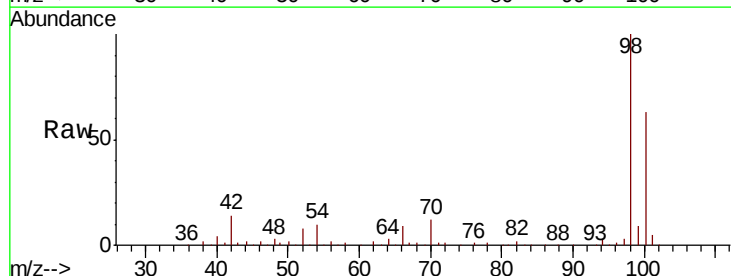
Instrument :
MSVOA_N
ClientSampleId :
14B-3

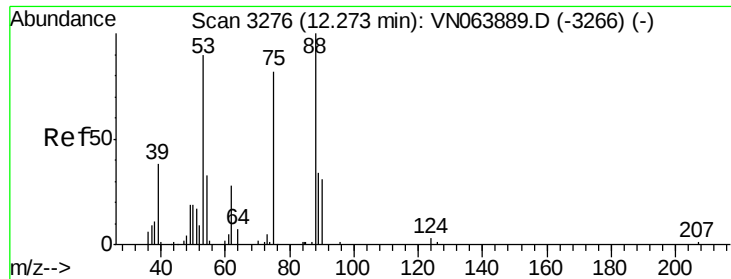
Tot Ion: 95 Resp: 78330
Ion Ratio Lower Upper
95 100
174 76.2 70.1 105.1
176 70.1 66.8 100.2



#63
Toluene-d8
Concen: 30.145 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064046.D
Acq: 9 Oct 2020 18:26

Tgt Ion: 98 Resp: 264161
Ion Ratio Lower Upper
98 100
100 62.3 51.4 77.2





#77
t-1,4-Dichloro-2-butene
Concen: 32.415 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.10 min
Lab File: VN064046.D
Acq: 9 Oct 2020 18:26

Instrument :
MSVOA_N
ClientSampleId :
14B-3

Tot Ion: 75 Resp: 42665
Ion Ratio Lower Upper
75 100
53 0.0 47.0 141.0#
89 0.0 22.9 68.7#

