

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102020\
 Data File : VN064206.D
 Acq On : 20 Oct 2020 19:28
 Operator : JC/MD
 Sample : L4457-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 NOTT-AVE-PR-2150

Quant Time: Oct 21 05:20:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 20 11:51:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	45478	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	265605	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	235806	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	126938	34.09	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	113.63%
60) 4-Bromofluorobenzene	12.38	95	119006	28.16	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.87%
63) Toluene-d8	10.06	98	318470	29.83	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.43%

Target Compounds

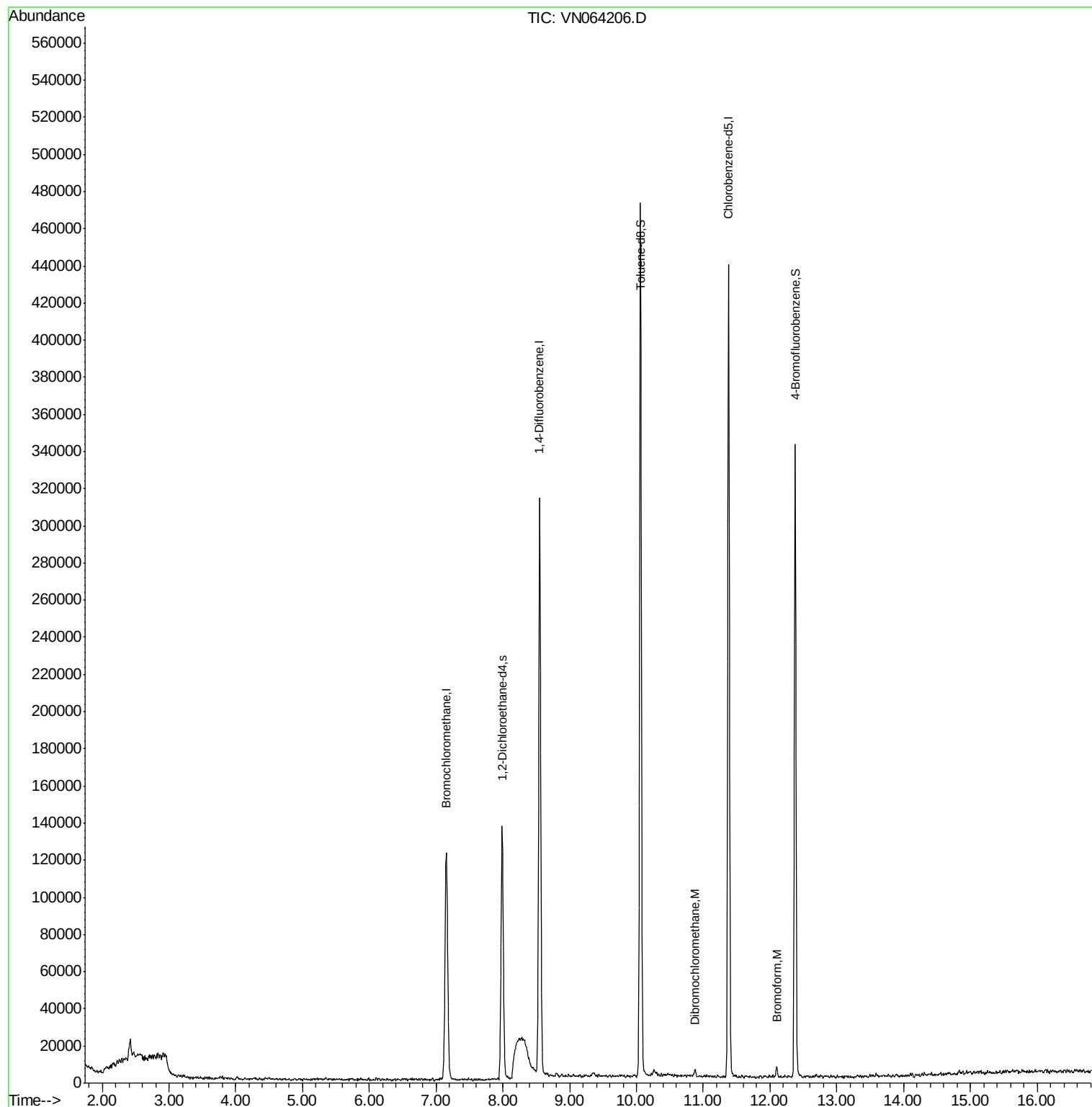
					Ovalue	
53) Dibromochloromethane	10.87	129	2226	0.579	ug/l #	54
56) Bromoform	12.10	173	1924	0.718	ug/l #	90

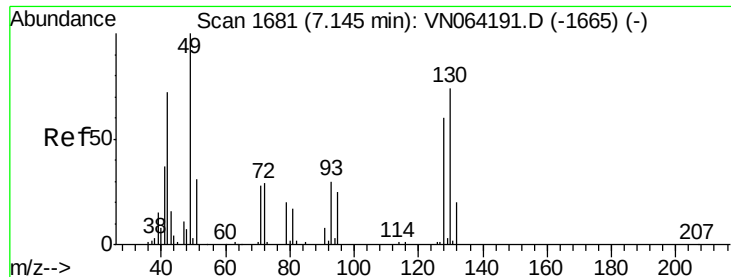
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VN064206.D

Acq: 20 Oct 2020 19:28

Instrument :

MSVOA_N

ClientSampleId :

NOTT-AVE-PR-2150

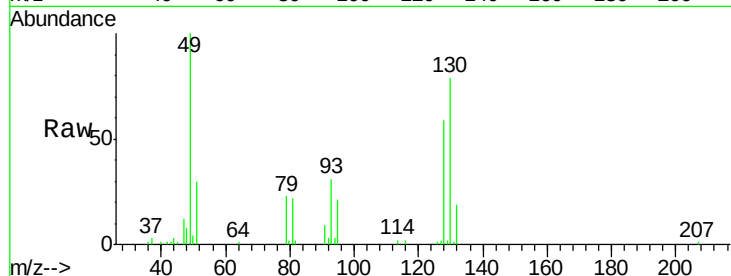
Tot Ion:128 Resp: 45478

Ion Ratio Lower Upper

128 100

49 174.2 0.0 433.3

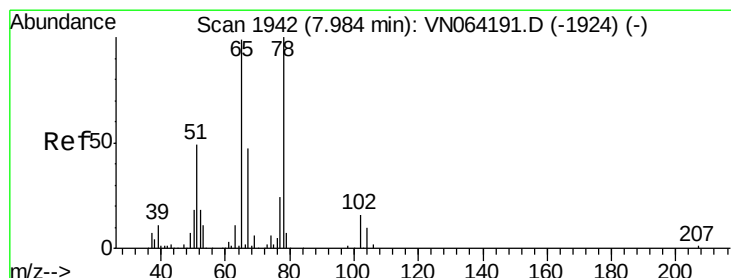
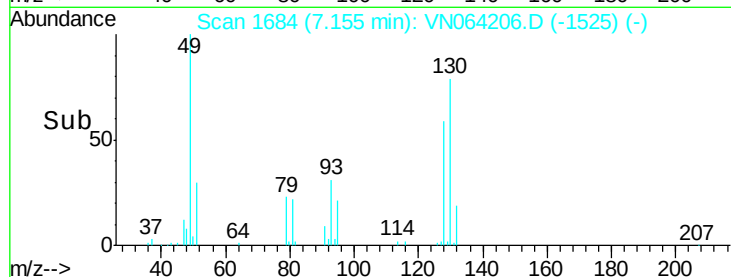
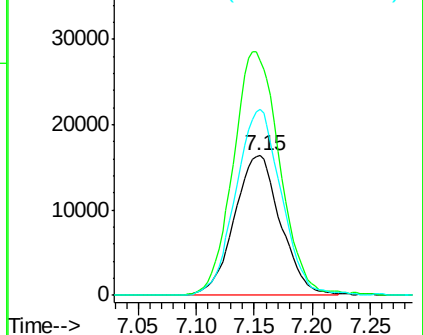
130 131.4 0.0 322.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#27

1,2-Dichloroethane-d4

Concen: 34.092 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.01 min

Lab File: VN064206.D

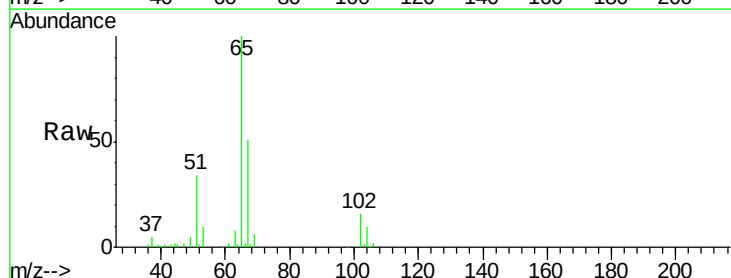
Acq: 20 Oct 2020 19:28

Tgt Ion: 65 Resp: 126938

Ion Ratio Lower Upper

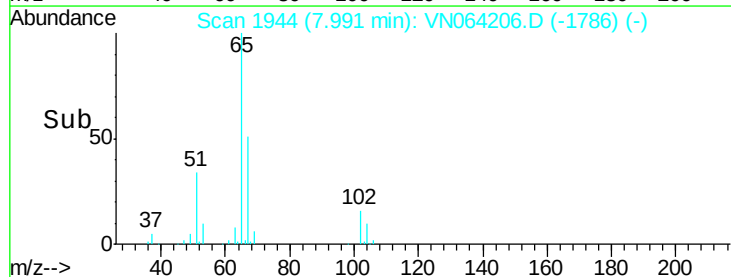
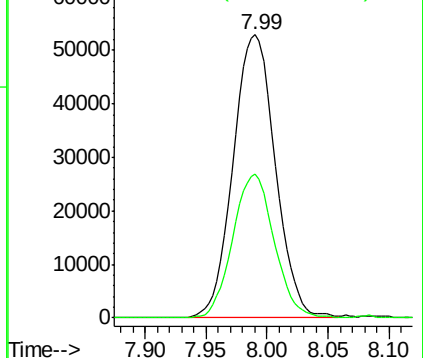
65 100

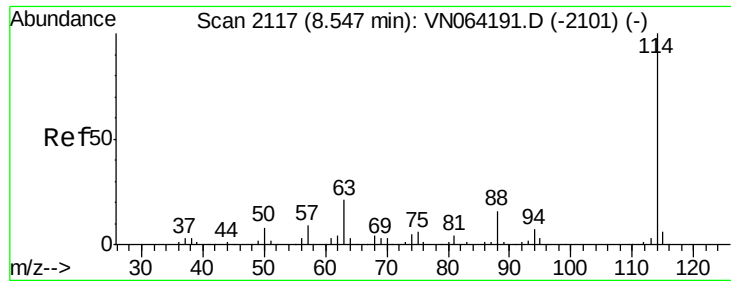
67 49.6 39.8 59.6



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2119

Delta R.T. 0.01 min

Lab File: VN064206.D

Acq: 20 Oct 2020 19:28

Instrument :

MSVOA_N

ClientSampleId :

NOTT-AVE-PR-2150

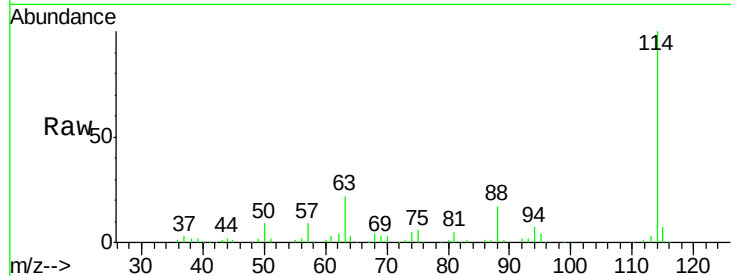
Tot Ion:114 Resp: 265605

Ion Ratio Lower Upper

114 100

63 22.1 17.0 25.4

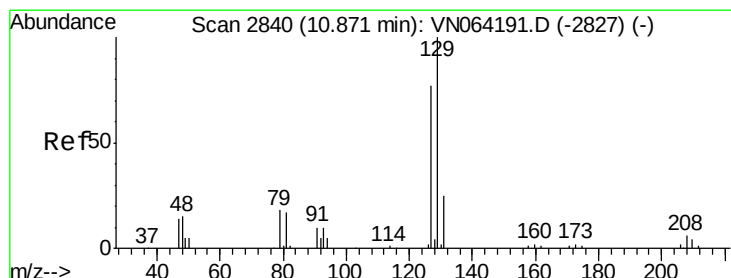
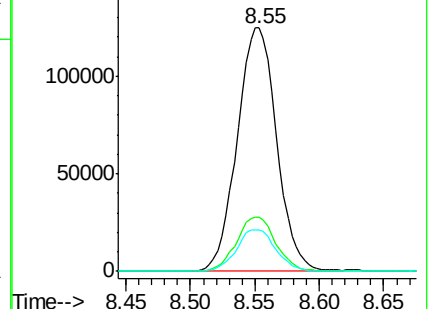
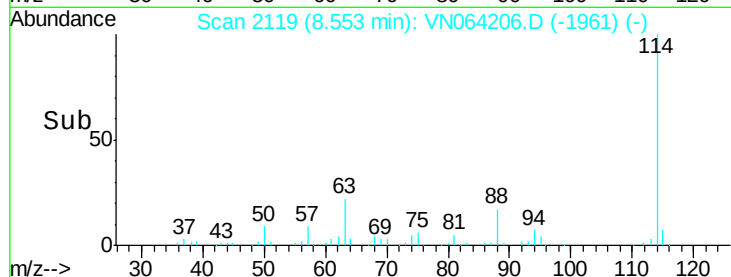
88 17.0 13.0 19.4



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



#53

Dibromochloromethane

Concen: 0.579 ug/l

RT: 10.87 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VN064206.D

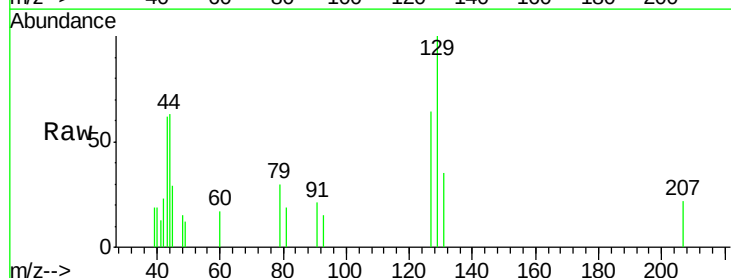
Acq: 20 Oct 2020 19:28

Tgt Ion:129 Resp: 2226

Ion Ratio Lower Upper

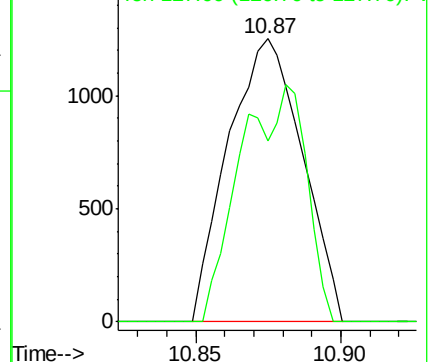
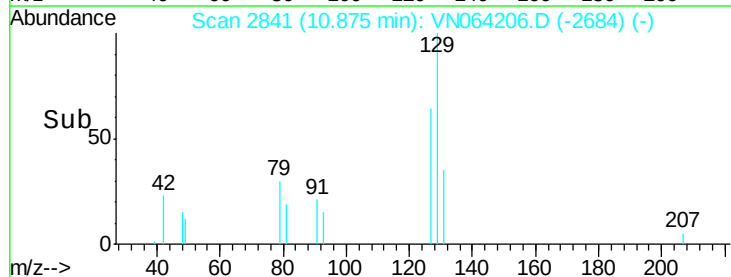
129 100

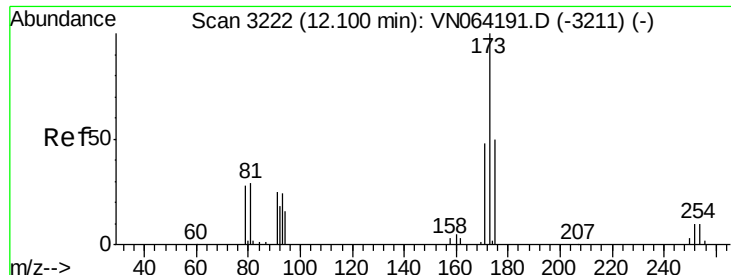
127 37.7 39.0 117.0#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#56

Bromoform

Concen: 0.718 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064206.D

Acq: 20 Oct 2020 19:28

Instrument :

MSVOA_N

ClientSampleId :

NOTT-AVE-PR-2150

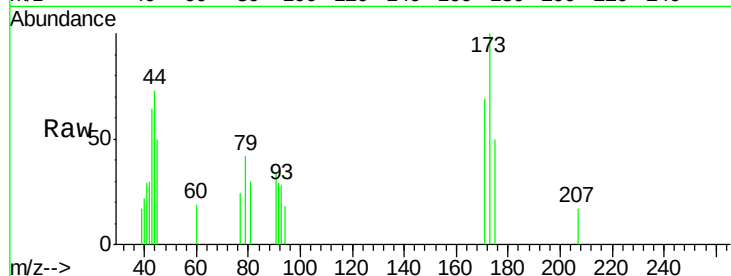
Tot Ion:173 Resp: 1924

Ion Ratio Lower Upper

173 100

175 43.3 39.0 58.4

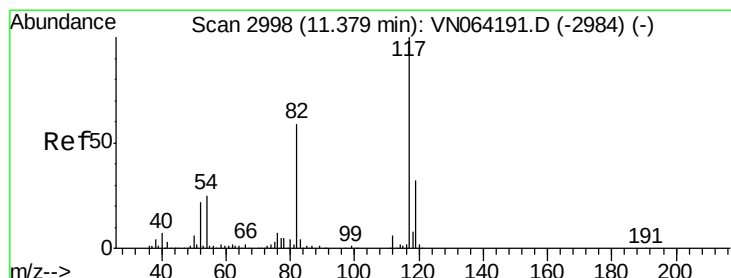
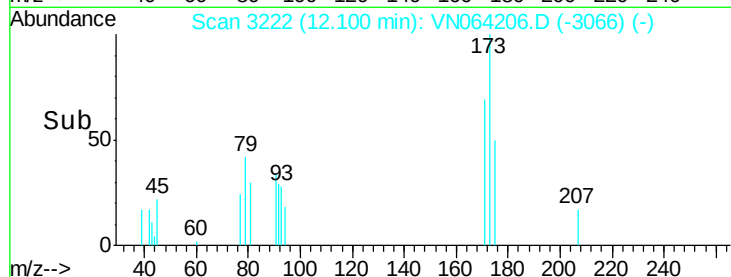
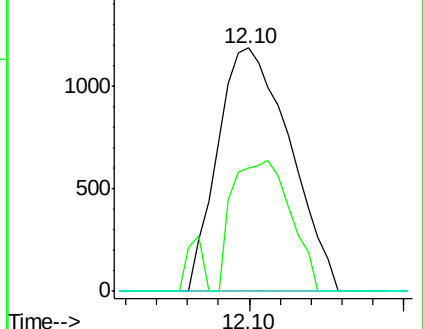
254 0.0 6.8 10.2#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN064206.D

Acq: 20 Oct 2020 19:28

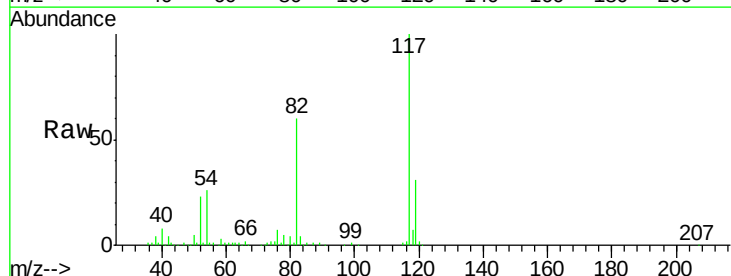
Tgt Ion:117 Resp: 235806

Ion Ratio Lower Upper

117 100

82 59.5 47.8 71.8

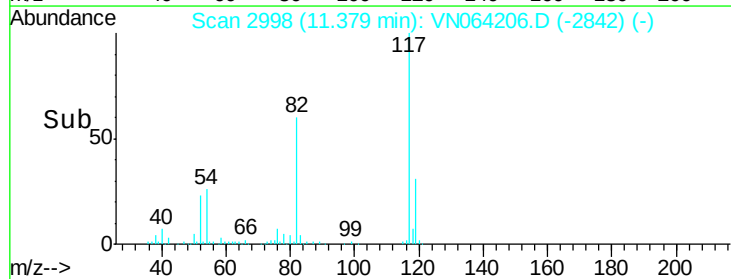
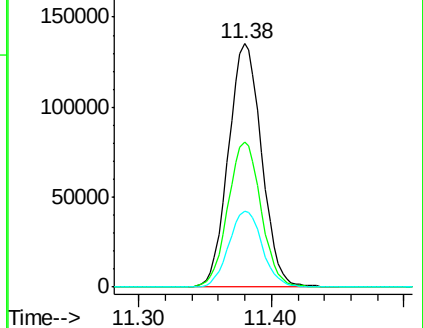
119 31.6 25.7 38.5

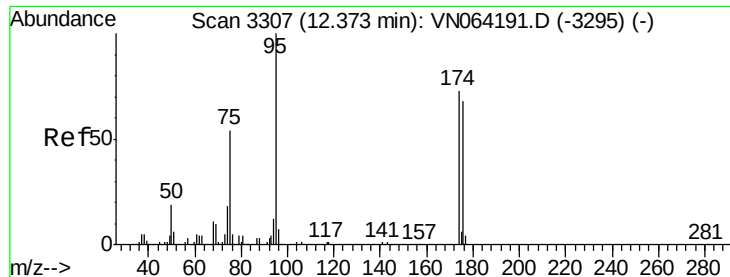


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V

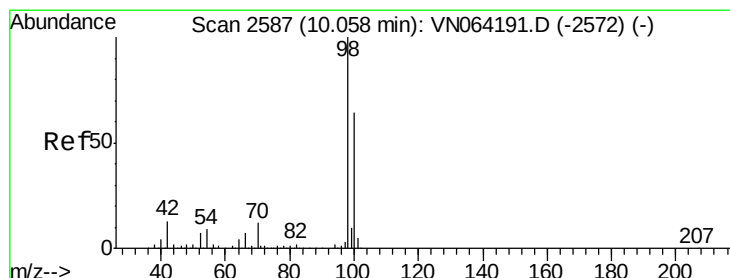
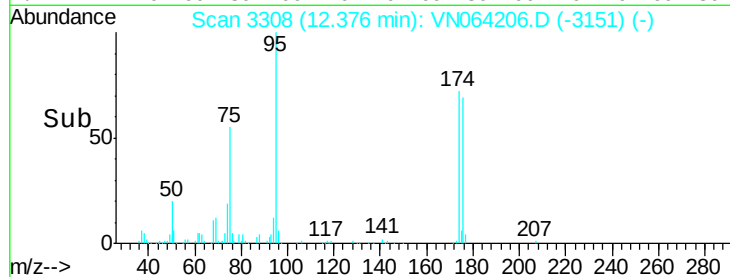
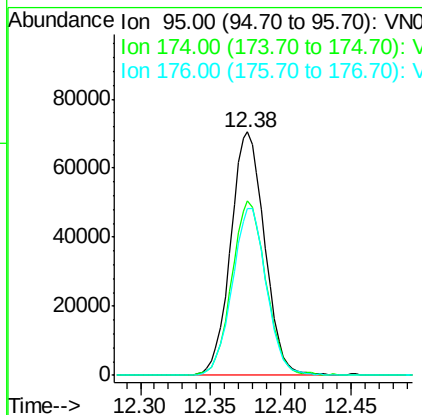
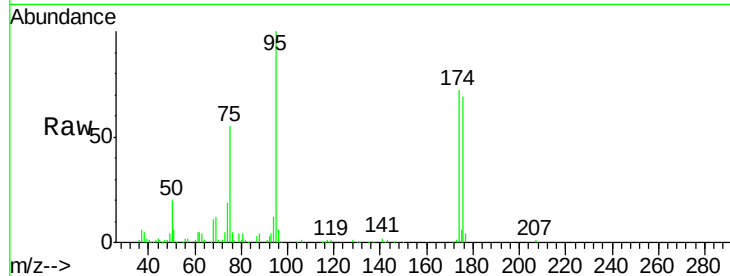




#60
4-Bromofluorobenzene
Concen: 28.162 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064206.D
Acq: 20 Oct 2020 19:28

Instrument :
MSVOA_N
ClientSampleId :
NOTT-AVE-PR-2150

Tot Ion: 95 Resp: 119006
Ion Ratio Lower Upper
95 100
174 71.6 57.6 86.4
176 68.9 54.9 82.3



#63
Toluene-d8
Concen: 29.831 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064206.D
Acq: 20 Oct 2020 19:28

Tgt Ion: 98 Resp: 318470
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.2

