

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100920\
 Data File : VN064042.D
 Acq On : 9 Oct 2020 16:50
 Operator : JC/MD
 Sample : L4327-03 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-3

Quant Time: Oct 10 02:03:37 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	43723	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	211931	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	194754	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	119642	30.47	ug/l	0.00
Spiked Amount 30.000	Range 50 - 169		Recovery	=	101.57%	
60) 4-Bromofluorobenzene	12.38	95	76165	22.87	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery	=	76.23%	
63) Toluene-d8	10.06	98	267981	30.36	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery	=	101.20%	

Target Compounds

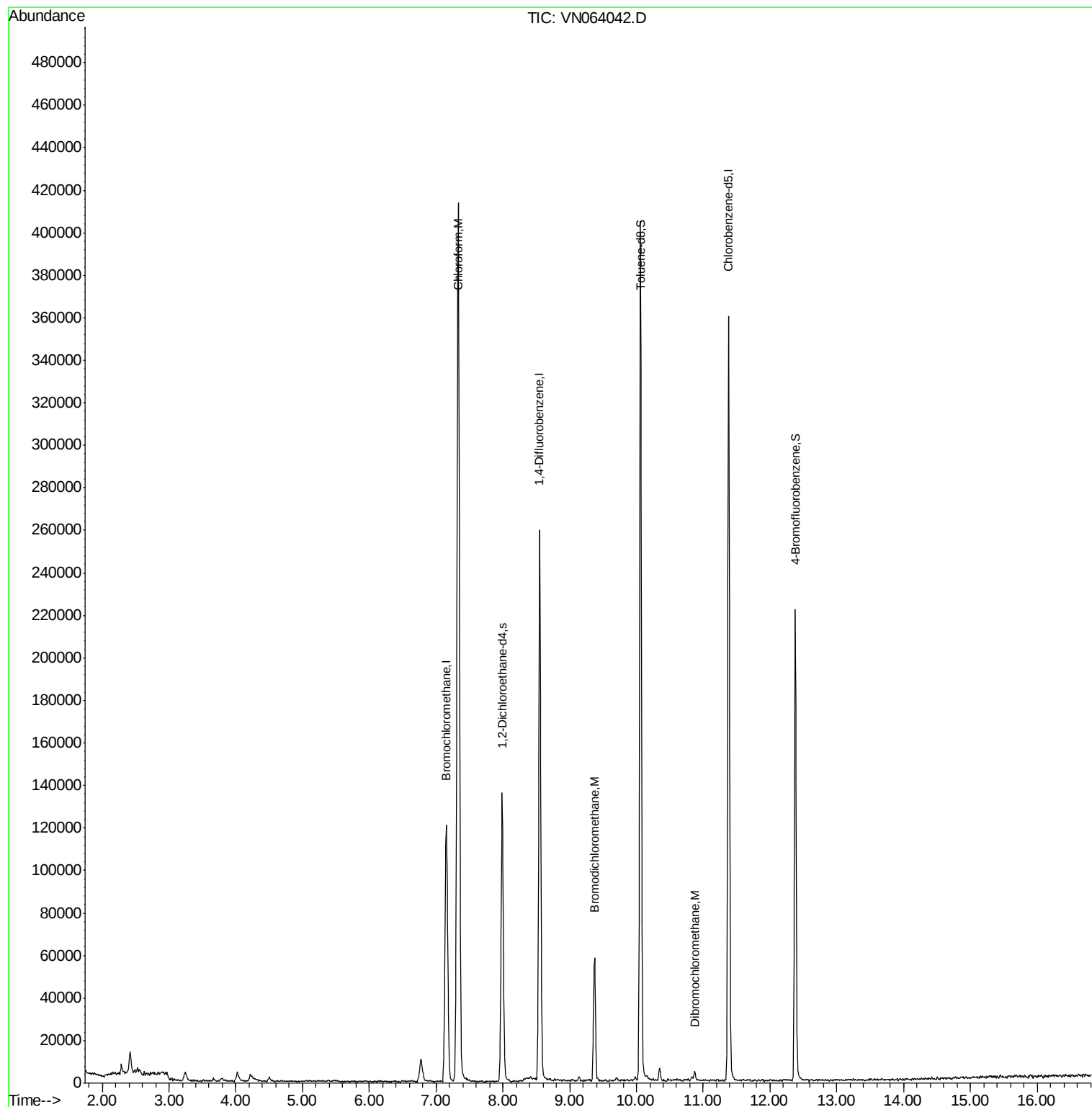
					Ovalue
25) Chloroform	7.33	83	431136	77.372 ug/l	99
41) Bromodichloromethane	9.37	83	39296	9.442 ug/l	99
53) Dibromochloromethane	10.87	129	2424	0.788 ug/l	84

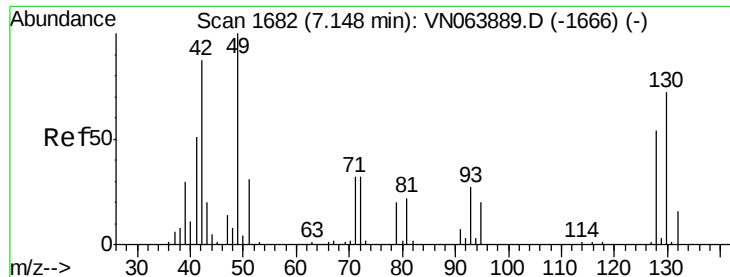
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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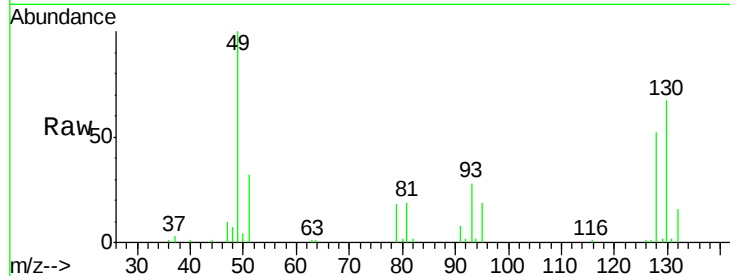




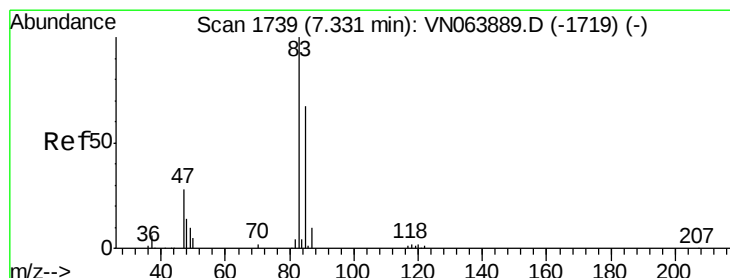
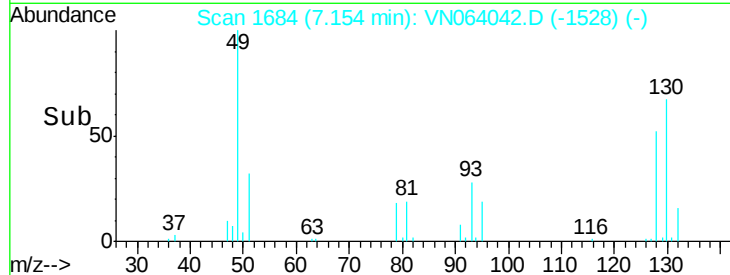
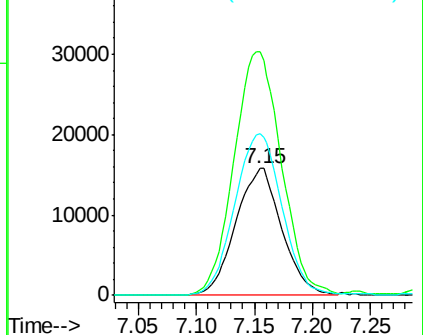
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.15 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN064042.D
Acq: 9 Oct 2020 16:50

Instrument :
MSVOA_N
ClientSampled :
14B-3

Tot Ion:128 Resp: 43723
Ion Ratio Lower Upper
128 100
49 196.5 0.0 437.5
130 130.5 0.0 327.3

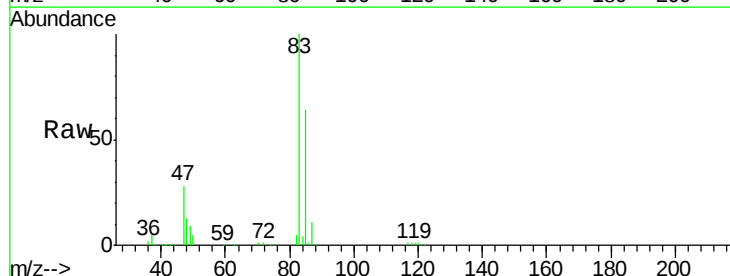


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

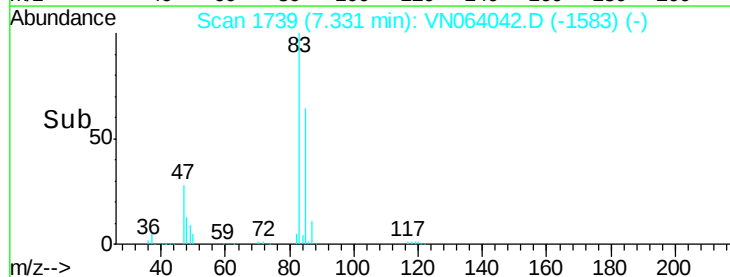
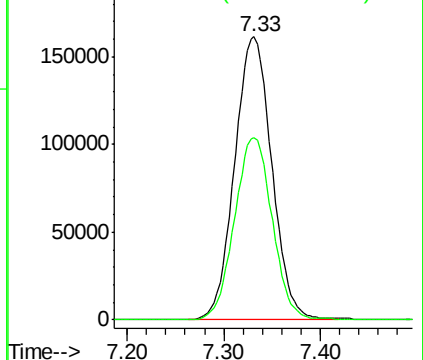


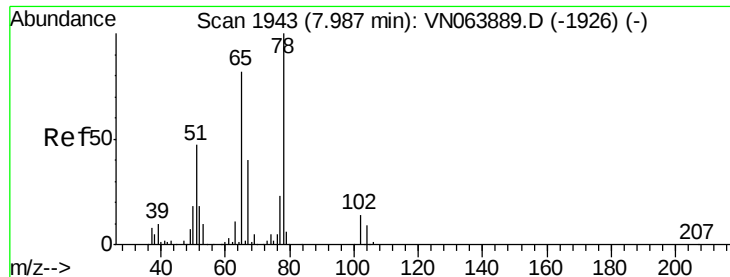
#25
Chloroform
Concen: 77.372 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN064042.D
Acq: 9 Oct 2020 16:50

Tgt Ion: 83 Resp: 431136
Ion Ratio Lower Upper
83 100
85 64.3 51.0 76.4



Abundance Ion 83.00 (82.70 to 83.70): VN
Ion 85.00 (84.70 to 85.70): VN





#27

1,2-Dichloroethane-d4

Concen: 30.468 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN064042.D

Acq: 9 Oct 2020 16:50

Instrument :

MSVOA_N

ClientSampleId :

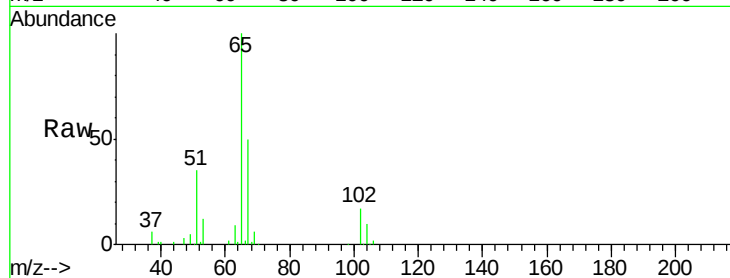
14B-3

Tot Ion: 65 Resp: 119642

Ion Ratio Lower Upper

65 100

67 49.9 43.8 65.6



Abundance Ion 65.00 (64.70 to 65.70): VN063889.D (-1926) (-)

Ion 67.00 (66.70 to 67.70): VN063889.D (-1926) (-)

7.99

60000

50000

40000

30000

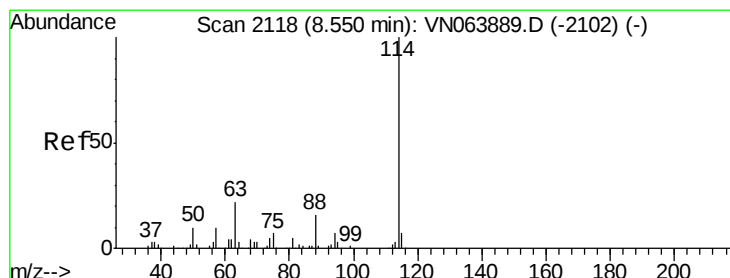
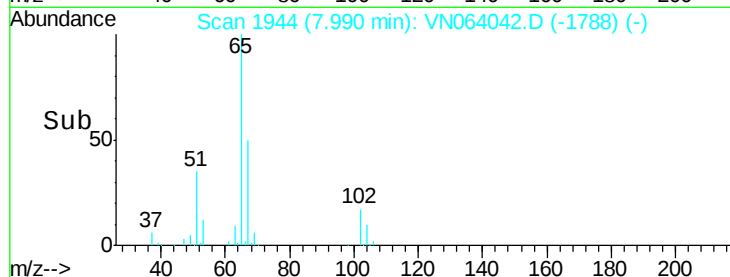
20000

10000

0

7.90 7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN064042.D

Acq: 9 Oct 2020 16:50

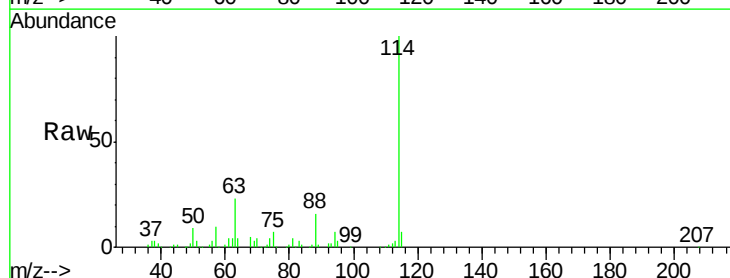
Tgt Ion: 114 Resp: 211931

Ion Ratio Lower Upper

114 100

63 23.3 17.0 25.6

88 16.5 12.6 18.8



Abundance Ion 114.00 (113.70 to 114.70): VN063889.D (-2102) (-)

Ion 63.00 (62.70 to 63.70): VN063889.D (-2102) (-)

Ion 88.00 (87.70 to 88.70): VN063889.D (-2102) (-)

8.55

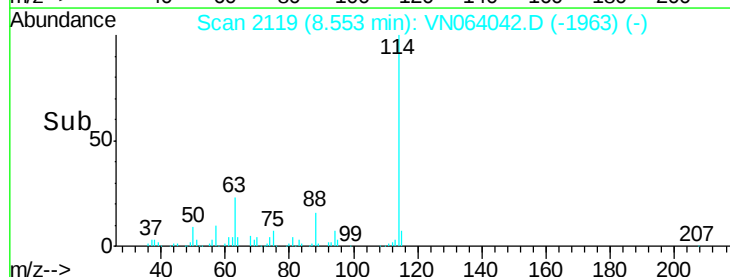
100000

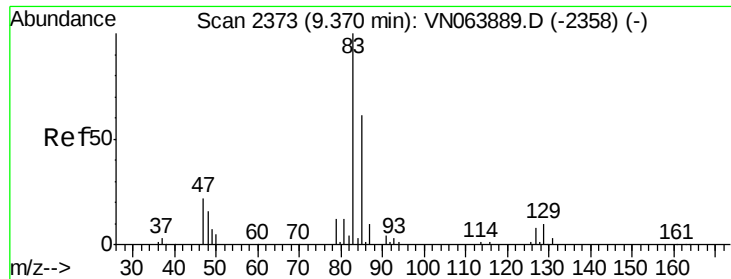
50000

0

8.45 8.50 8.55 8.60 8.65

Time-->





#41

Bromodichloromethane

Concen: 9.442 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064042.D

Acq: 9 Oct 2020 16:50

Instrument :

MSVOA_N

ClientSampled :

14B-3

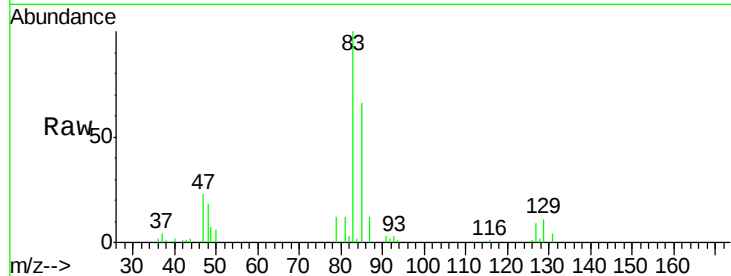
Tot Ion: 83 Resp: 39296

Ion Ratio Lower Upper

83 100

85 66.3 52.6 79.0

127 8.9 7.4 11.0

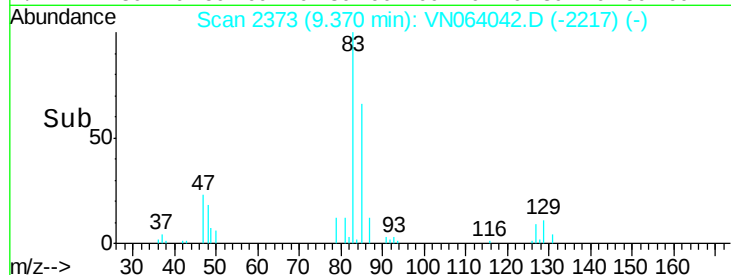


Abundance Ion 83.00 (82.70 to 83.70): VN064042.D (-2217) (-)

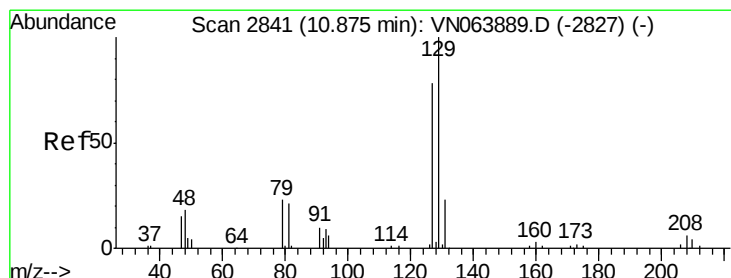
Ion 85.00 (84.70 to 85.70): VN064042.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN064042.D (-2217) (-)

Time-->



Time-->



#53

Dibromochloromethane

Concen: 0.788 ug/l

RT: 10.87 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VN064042.D

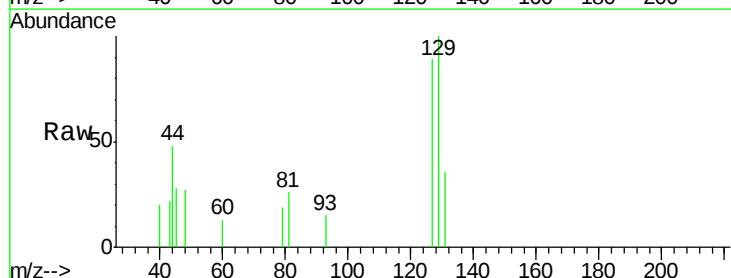
Acq: 9 Oct 2020 16:50

Tgt Ion: 129 Resp: 2424

Ion Ratio Lower Upper

129 100

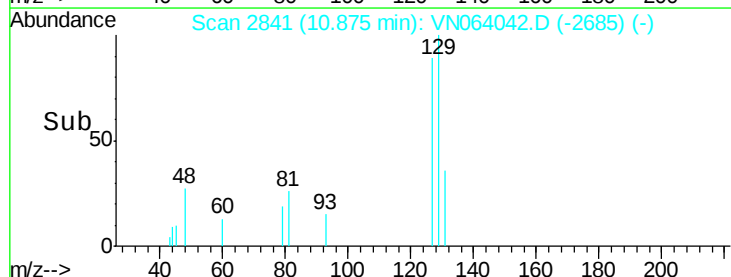
127 63.8 38.7 116.1



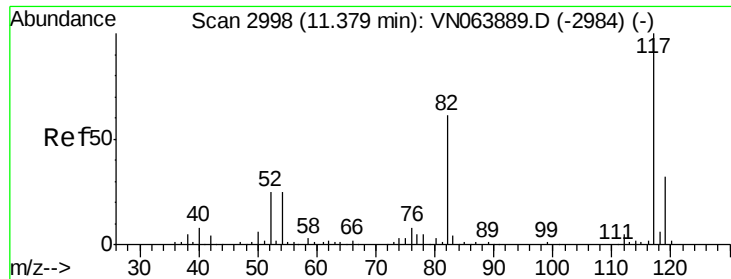
Abundance Ion 129.00 (128.70 to 129.70): VN064042.D (-2685) (-)

Ion 127.00 (126.70 to 127.70): VN064042.D (-2685) (-)

Time-->



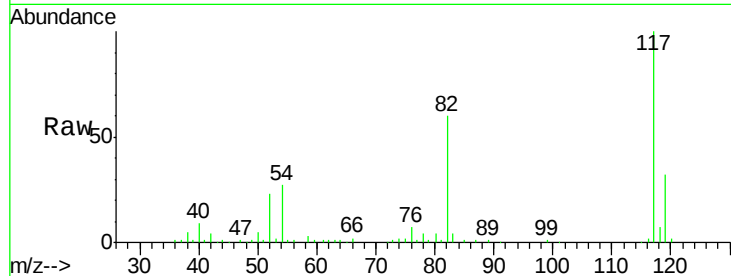
Time-->



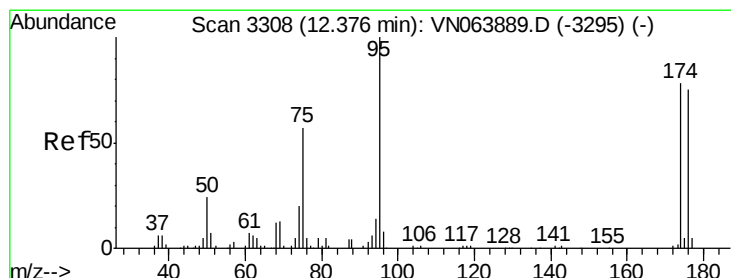
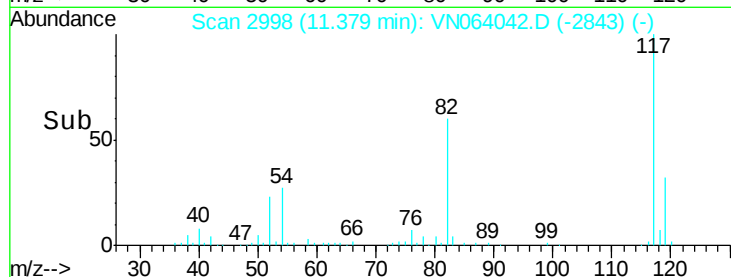
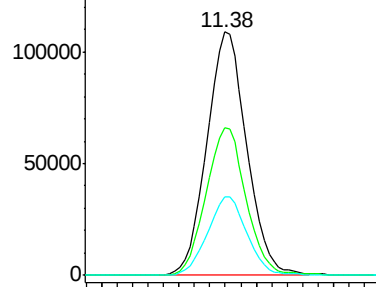
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064042.D
Acq: 9 Oct 2020 16:50

Instrument :
MSVOA_N
ClientSampled :
14B-3

Tot Ion:117 Resp: 194754
Ion Ratio Lower Upper
117 100
82 60.6 44.9 67.3
119 32.0 26.0 39.0

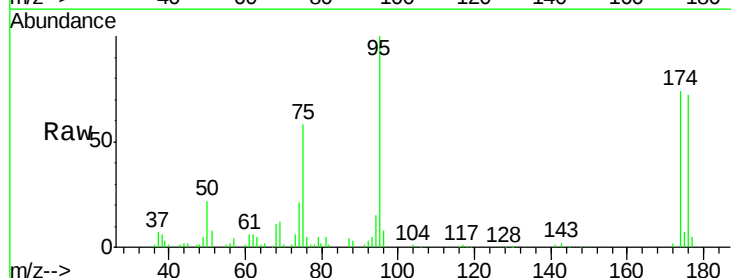


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

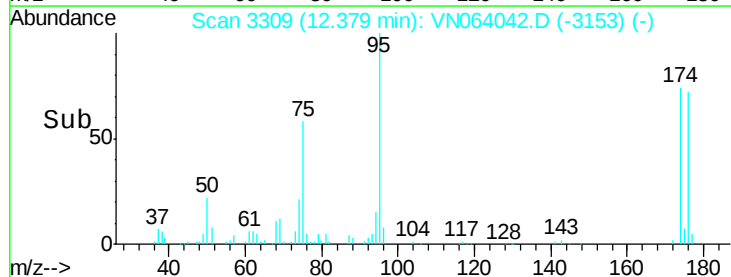
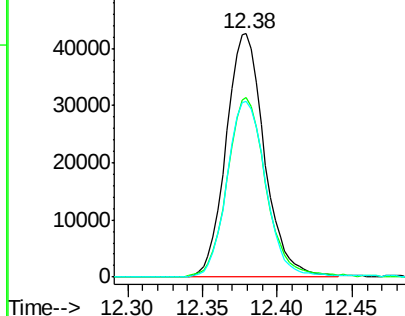


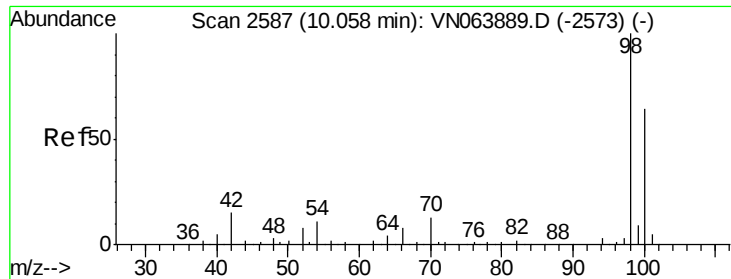
#60
4-Bromofluorobenzene
Concen: 22.869 ug/l
RT: 12.38 min Scan# 3309
Delta R.T. 0.00 min
Lab File: VN064042.D
Acq: 9 Oct 2020 16:50

Tgt Ion: 95 Resp: 76165
Ion Ratio Lower Upper
95 100
174 74.5 70.1 105.1
176 72.8 66.8 100.2



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





#63

Toluene-d8

Concen: 30.363 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064042.D

Acq: 9 Oct 2020 16:50

Instrument :

MSVOA_N

ClientSampleId :

14B-3

Tot Ion: 98 Resp: 267981

Ion Ratio Lower Upper

98 100

100 62.4 51.4 77.2

