

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102020\
 Data File : VN064202.D
 Acq On : 20 Oct 2020 17:53
 Operator : JC/MD
 Sample : L4473-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-019-IDW/GW-20201019

Quant Time: Oct 21 05:10:16 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	50345	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	275664	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	247684	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	135757	32.94	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	109.80%
60) 4-Bromofluorobenzene	12.38	95	125892	28.36	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.53%
63) Toluene-d8	10.06	98	336118	29.97	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.90%

Target Compounds

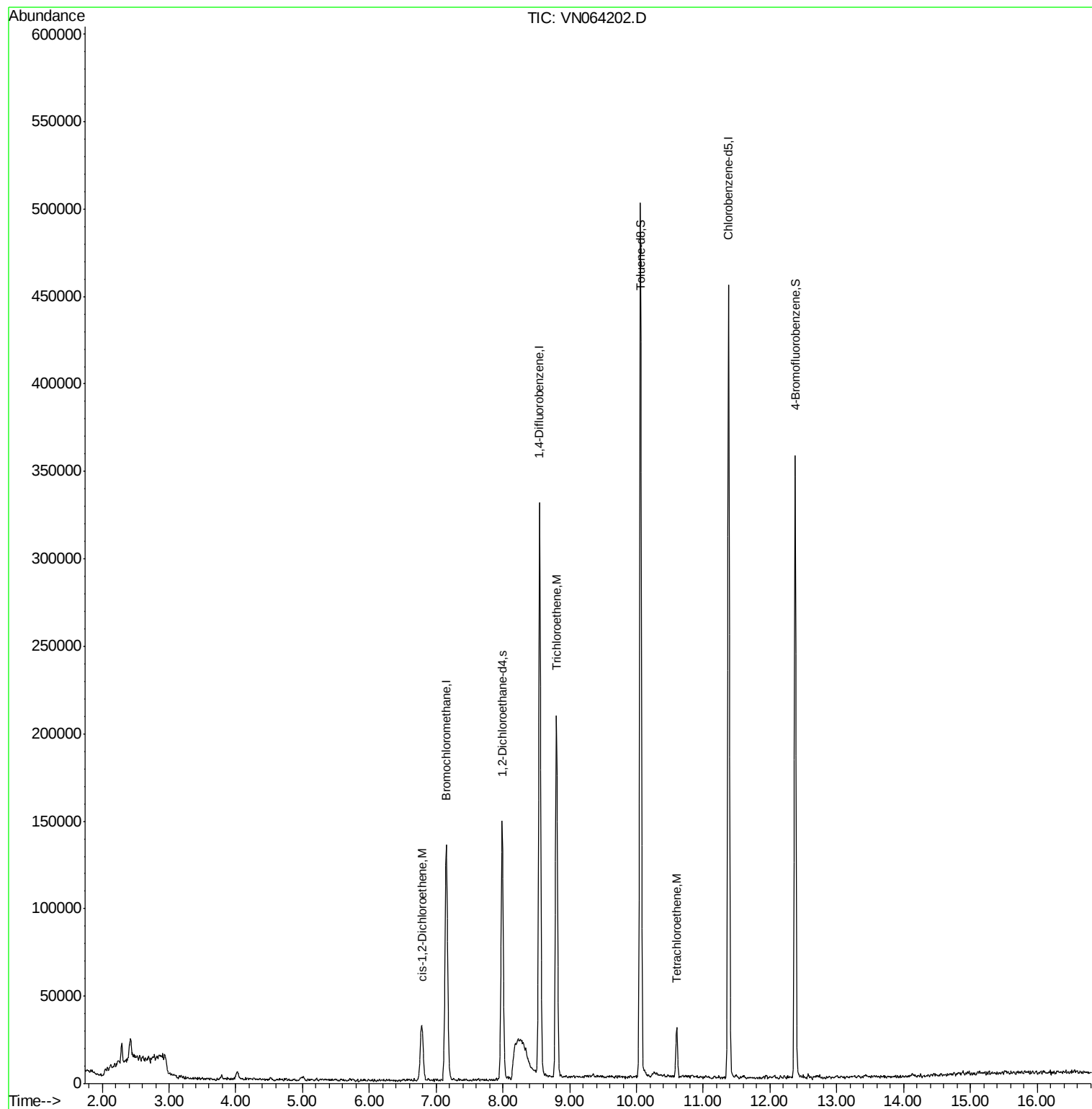
					Ovalue
22) cis-1,2-Dichloroethene	6.79	96	21873	6.038 ug/l	# 75
37) Trichloroethene	8.80	130	73166	20.845 ug/l	97
61) Tetrachloroethene	10.60	164	5798	1.736 ug/l	87

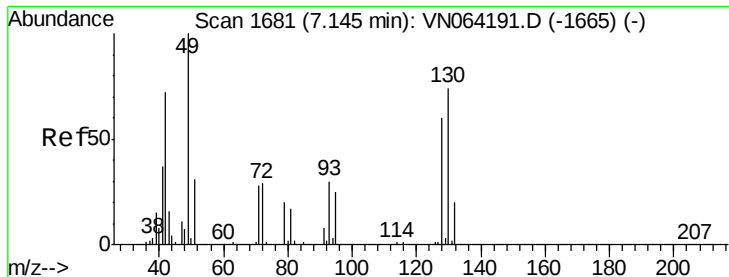
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VN064202.D

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Instrument :

MSVOA_N

ClientSampleId :

TT-019-IDW/GW-20201019

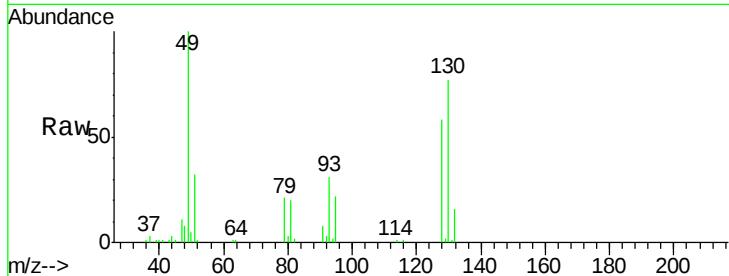
Tot Ion:128 Resp: 50345

Ion Ratio Lower Upper

128 100

49 169.6 0.0 433.3

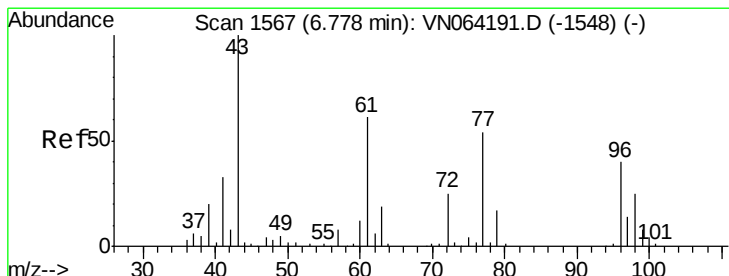
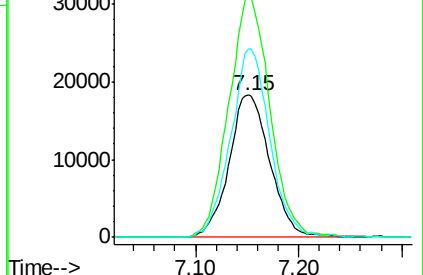
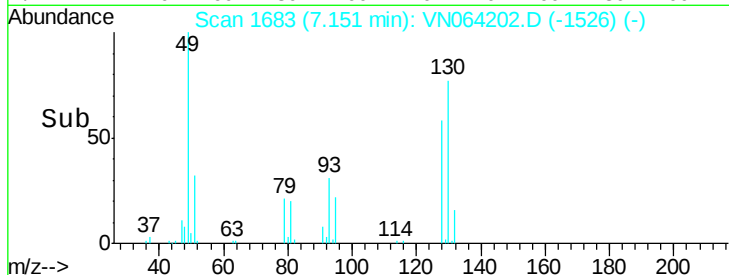
130 126.6 0.0 322.5



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



#22

cis-1,2-Dichloroethene

Concen: 6.038 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. 0.01 min

Lab File: VN064202.D

Acq: 20 Oct 2020 17:53

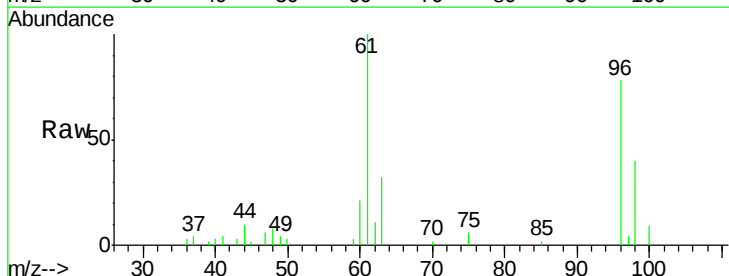
Tgt Ion: 96 Resp: 21873

Ion Ratio Lower Upper

96 100

61 127.3 126.2 189.4

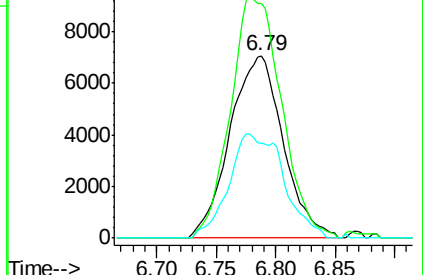
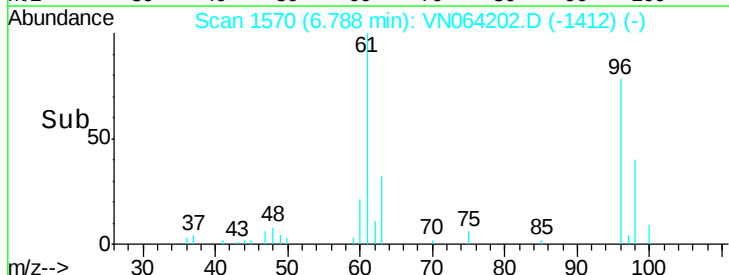
98 41.0 50.2 75.4#

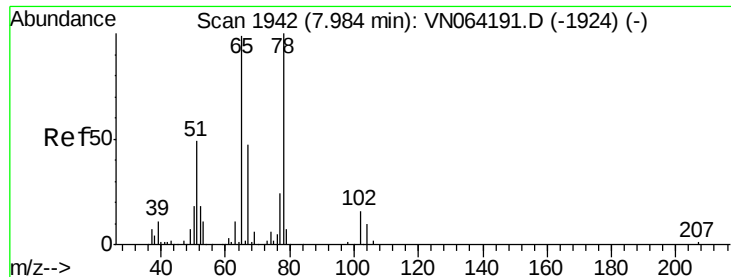


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN





#27

1,2-Dichloroethane-d4

Concen: 32.936 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064202.D

Acq: 20 Oct 2020 17:53

Instrument :

MSVOA_N

ClientSampleId :

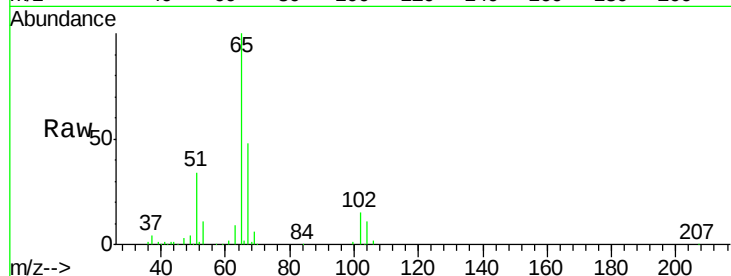
TT-019-IDW/GW-20201019

Tot Ion: 65 Resp: 135757

Ion Ratio Lower Upper

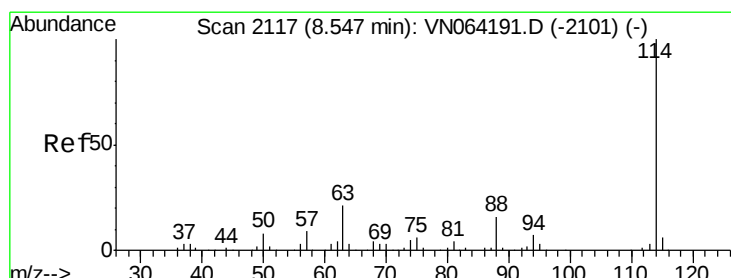
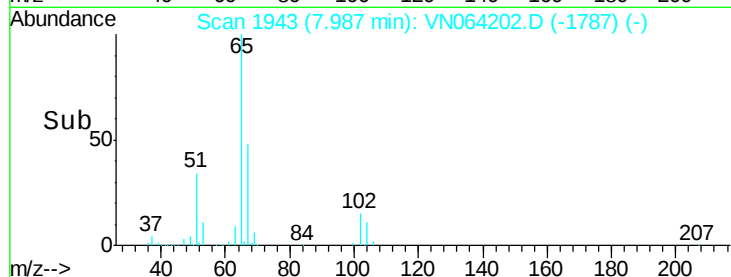
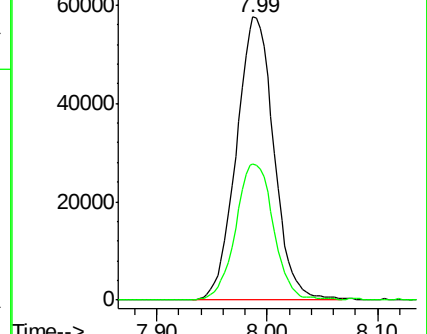
65 100

67 48.5 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# 2118

Delta R.T. 0.00 min

Lab File: VN064202.D

Acq: 20 Oct 2020 17:53

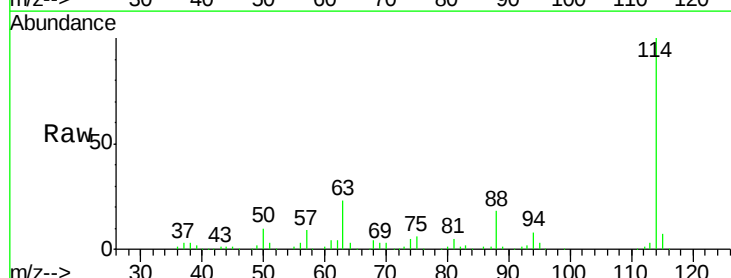
Tgt Ion: 114 Resp: 275664

Ion Ratio Lower Upper

114 100

63 22.3 17.0 25.4

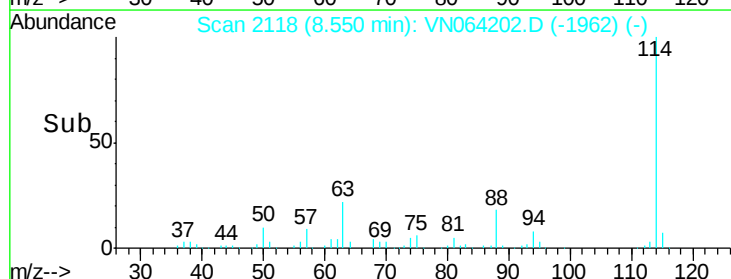
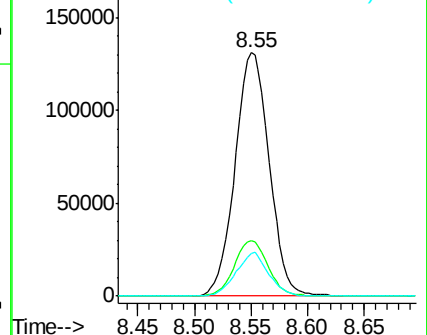
88 17.0 13.0 19.4

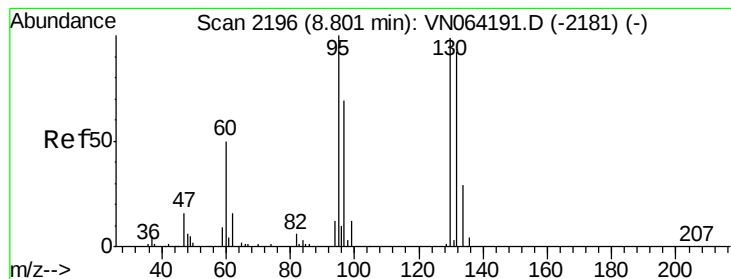


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0





#37

Trichloroethene

Concen: 20.845 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN064202.D

Acq: 20 Oct 2020 17:53

Instrument :

MSVOA_N

ClientSampleId :

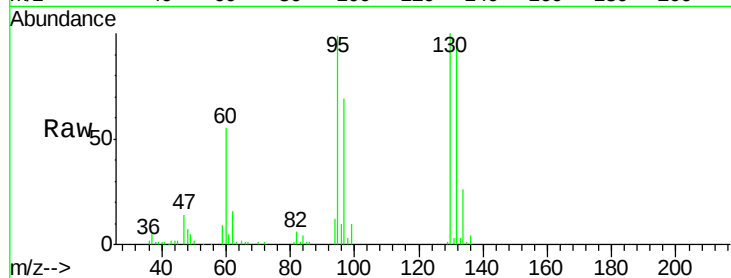
TT-019-IDW/GW-20201019

Tot Ion:130 Resp: 73166

Ion Ratio Lower Upper

130 100

95 98.6 81.0 121.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.80

40000

30000

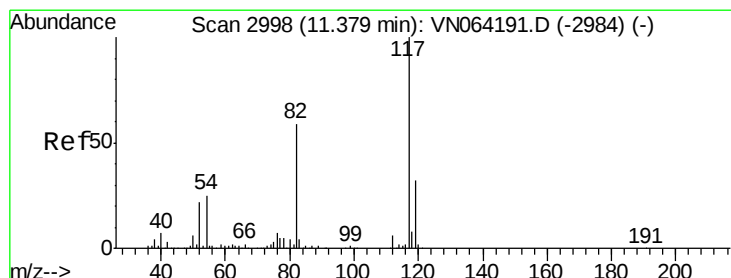
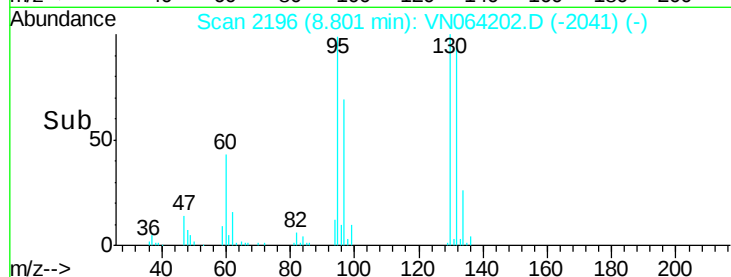
20000

10000

0

8.75 8.80 8.85

Time-->



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN064202.D

Acq: 20 Oct 2020 17:53

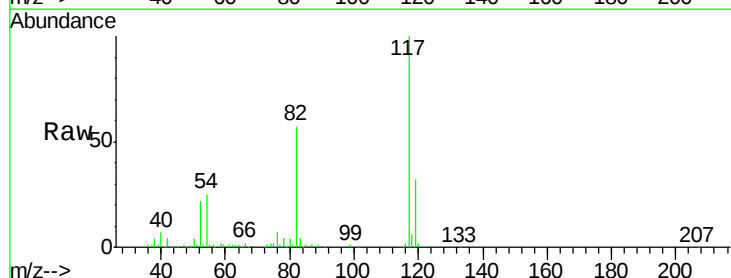
Tgt Ion:117 Resp: 247684

Ion Ratio Lower Upper

117 100

82 58.1 47.8 71.8

119 31.8 25.7 38.5



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

11.38

200000

150000

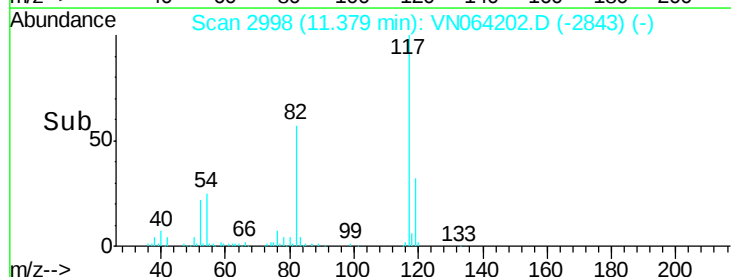
100000

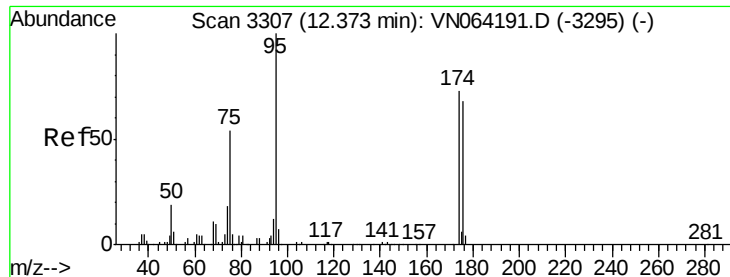
50000

0

11.30 11.40 11.50

Time-->





#60

4-Bromofluorobenzene

Concen: 28.363 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064202.D

Acq: 20 Oct 2020 17:53

Instrument :

MSVOA_N

ClientSampleId :

TT-019-IDW/GW-20201019

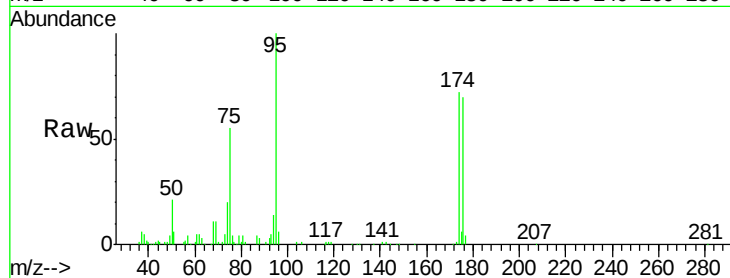
Tot Ion: 95 Resp: 125892

Ion Ratio Lower Upper

95 100

174 70.6 57.6 86.4

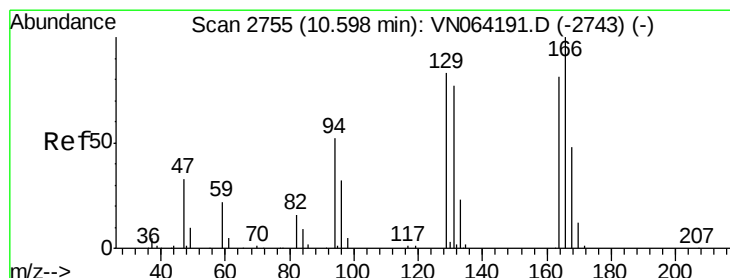
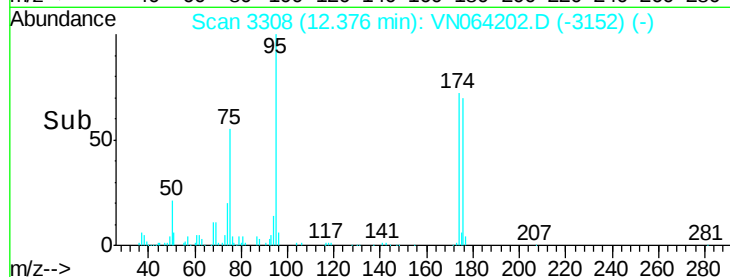
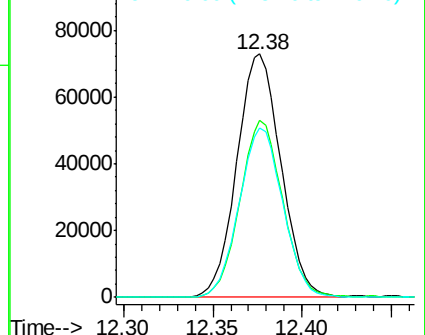
176 69.0 54.9 82.3



Abundance Ion 95.00 (94.70 to 95.70): VN064202.D (-3152) (-)

Ion 174.00 (173.70 to 174.70): VN064202.D (-3152) (-)

Ion 176.00 (175.70 to 176.70): VN064202.D (-3152) (-)



#61

Tetrachloroethene

Concen: 1.736 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN064202.D

Acq: 20 Oct 2020 17:53

Tgt Ion: 164 Resp: 5798

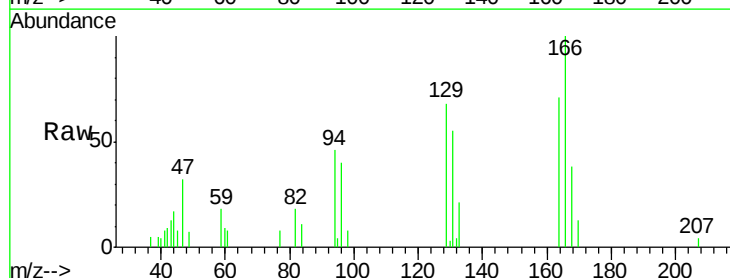
Ion Ratio Lower Upper

164 100

166 141.5 99.2 148.8

129 96.2 82.8 124.2

131 78.4 76.2 114.4

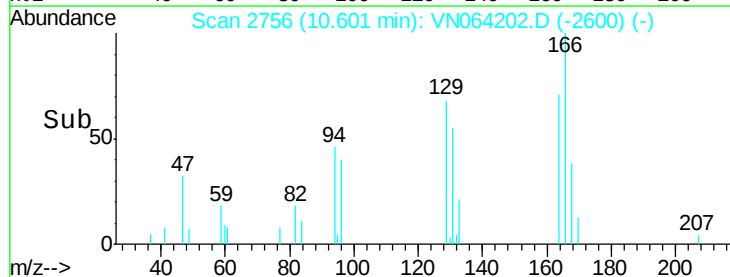
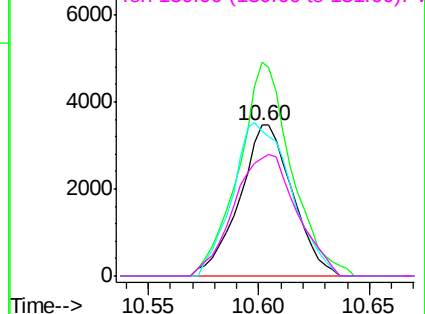


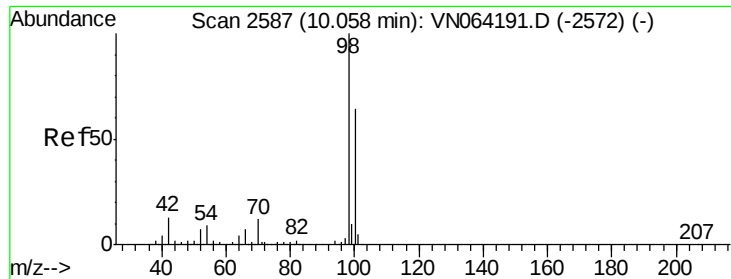
Abundance Ion 163.85 (163.55 to 164.55): VN064202.D (-2600) (-)

Ion 165.80 (165.50 to 166.50): VN064202.D (-2600) (-)

Ion 128.90 (128.60 to 129.60): VN064202.D (-2600) (-)

Ion 130.90 (130.60 to 131.60): VN064202.D (-2600) (-)





#63

Toluene-d8

Concen: 29.974 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064202.D

Acq: 20 Oct 2020 17:53

Instrument :

MSVOA_N

ClientSampleId :

TT-019-IDW/GW-20201019

Tot Ion: 98 Resp: 336118

Ion Ratio Lower Upper

98 100

100 65.2 51.4 77.2

