

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120820\
 Data File : VN064986.D
 Acq On : 8 Dec 2020 23:02
 Operator : JC/MD
 Sample : VN1208WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1208WBL02

Quant Time: Dec 09 07:57:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	170068	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	328381	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	323696	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	141944	50.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4		7.99	65	108745	55.00	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	110.00%	
35) Dibromofluoromethane		7.55	113	101459	51.64	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	103.28%	
50) Toluene-d8		10.06	98	397818	49.55	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.10%	
62) 4-Bromofluorobenzene		12.38	95	150451	52.36	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	104.72%	

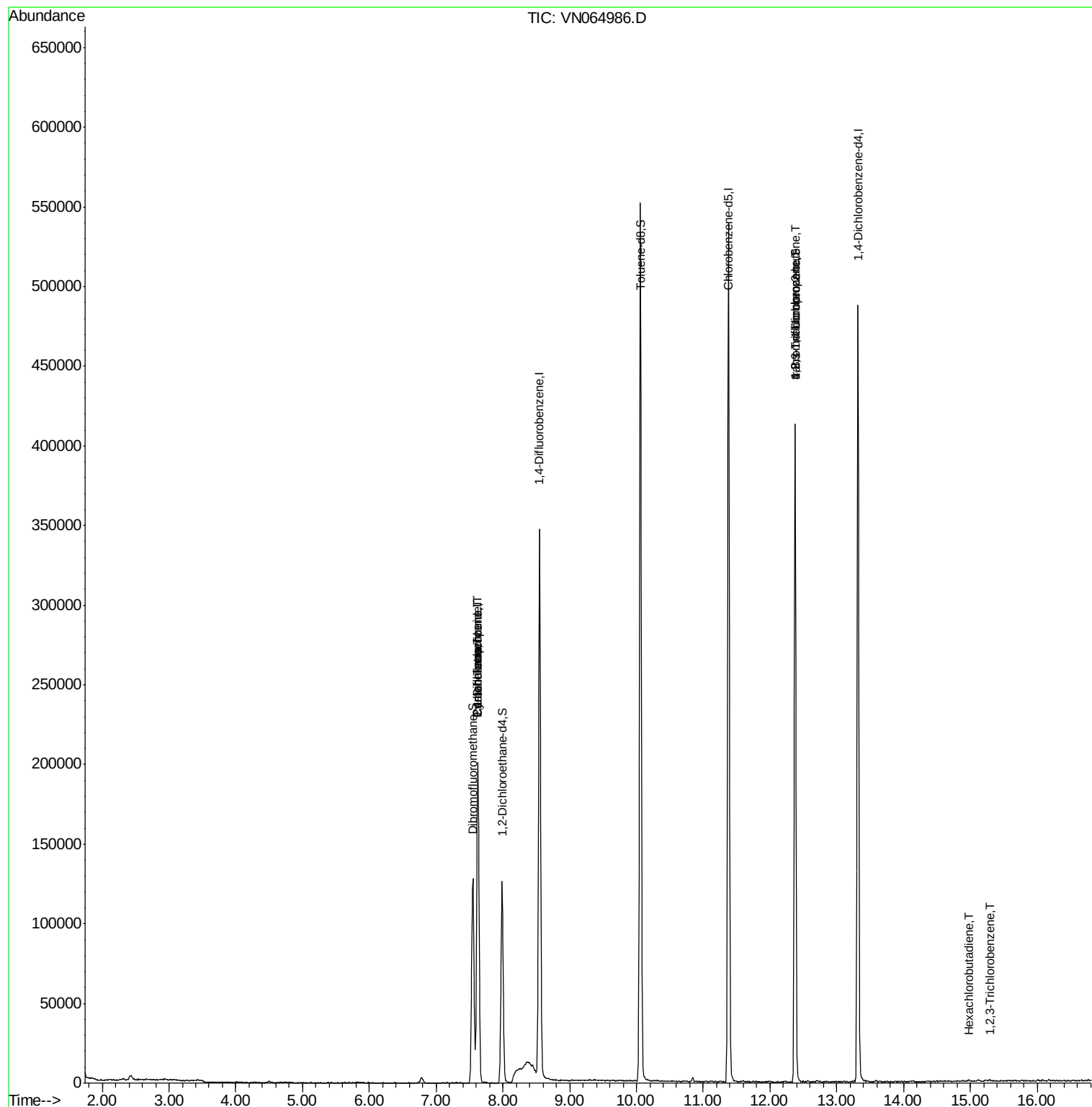
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	7.62	56	3463	1.257	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	12077	3.968	ug/l #	49
38) Carbon Tetrachloride	7.62	117	16047	5.067	ug/l #	16
76) 1,2,3-Trichloropropane	12.38	75	69942	22.880	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	69942	62.709	ug/l #	15
94) Hexachlorobutadiene	14.98	225	175	0.507	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.29	180	314	1.504	ug/l #	70

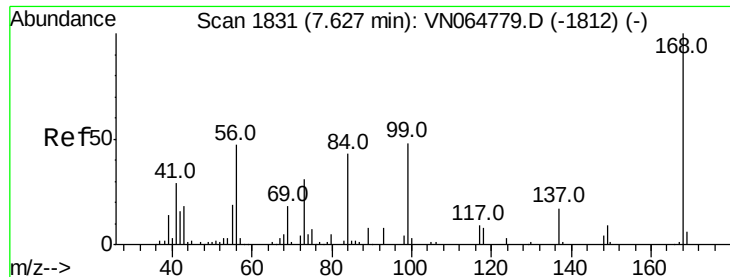
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064986.D

Acq: 8 Dec 2020 23:02

Instrument :

MSVOA_N

ClientSampleId :

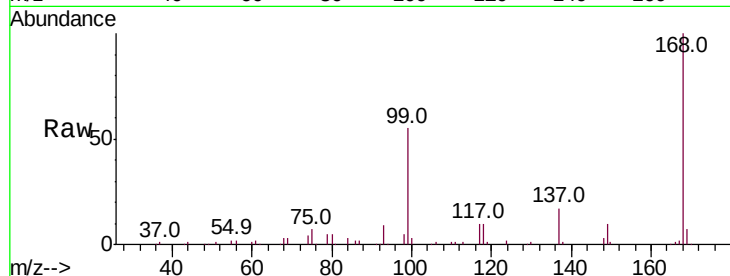
VN1208WBL02

Tot Ion:168 Resp: 170068

Ion Ratio Lower Upper

168 100

99 55.3 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

80000

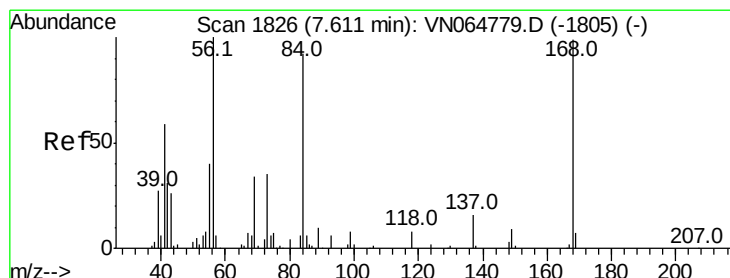
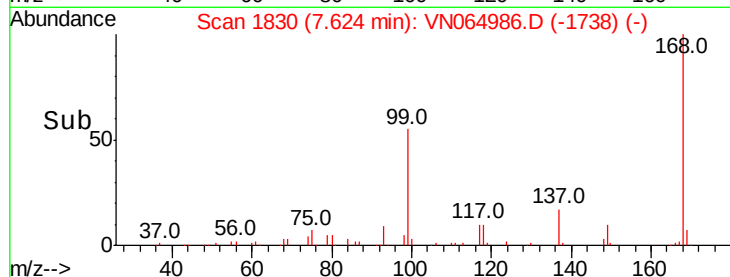
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#31

Cyclohexane

Concen: 1.257 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN064986.D

Acq: 8 Dec 2020 23:02

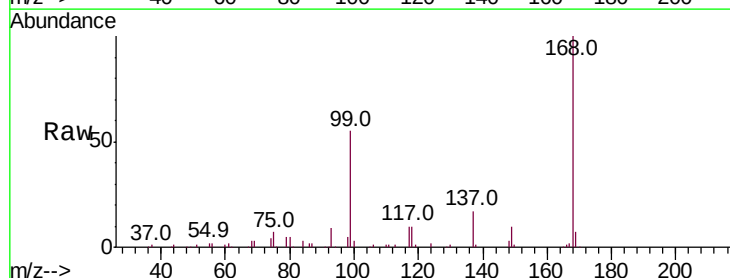
Tgt Ion: 56 Resp: 3463

Ion Ratio Lower Upper

56 100

69 161.5 27.5 41.3#

84 144.7 73.9 110.9#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 69.00 (68.70 to 69.70): VN

Ion 84.00 (83.70 to 84.70): VN

3000

2500

2000

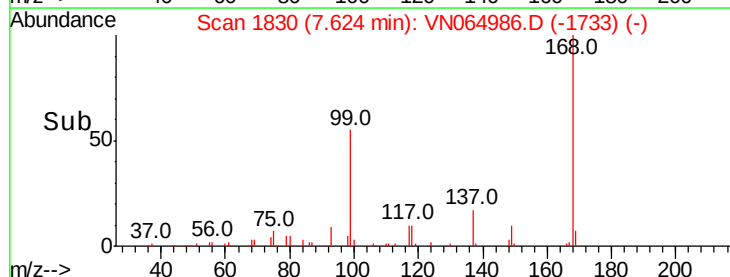
1500

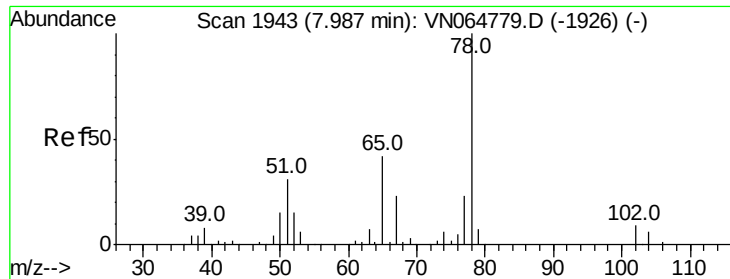
1000

500

0

Time--> 7.55 7.60 7.65

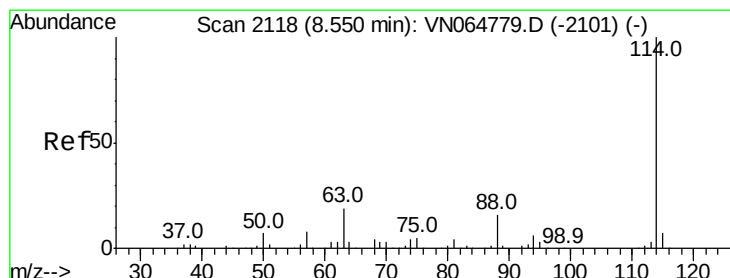
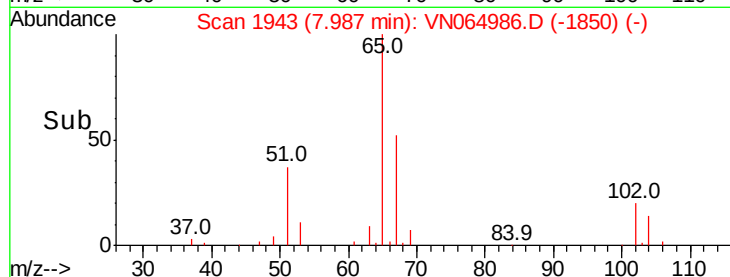
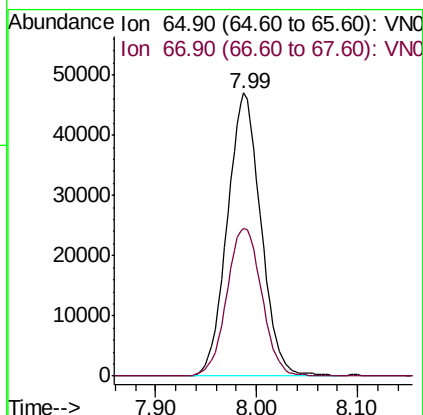
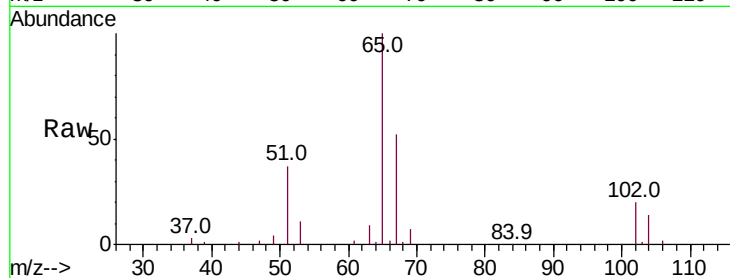




#33
 1,2-Dichloroethane-d4
 Concen: 55.001 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064986.D
 Acq: 8 Dec 2020 23:02

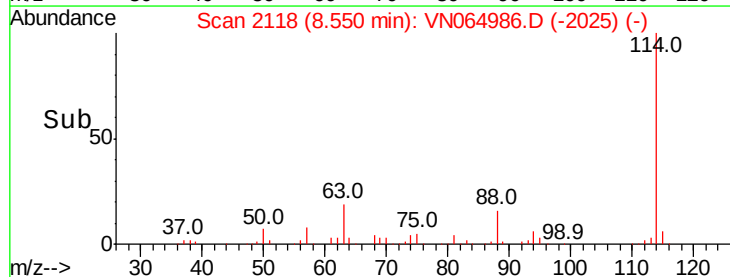
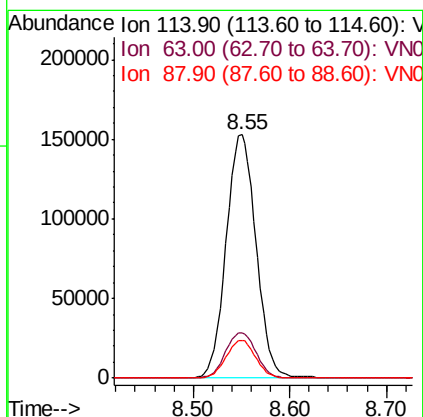
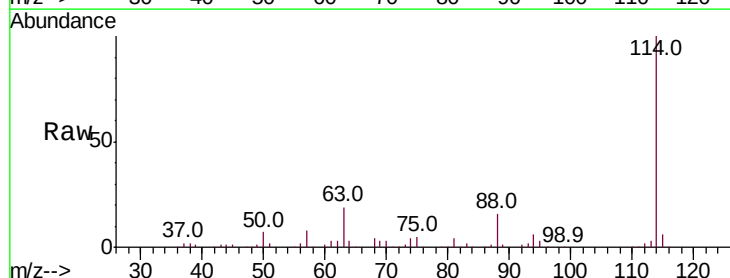
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1208WBL02

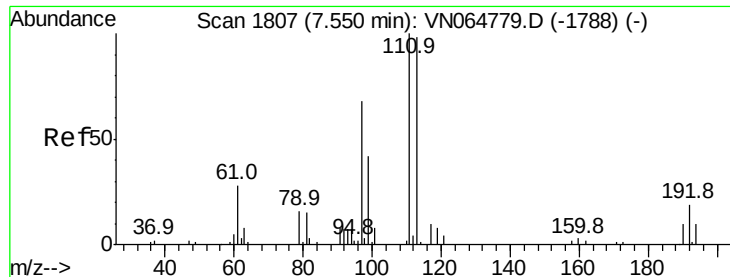
Tot Ion: 65 Resp: 108745
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064986.D
 Acq: 8 Dec 2020 23:02

Tgt Ion: 114 Resp: 328381
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 38.6
 88 15.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.635 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN064986.D

Acq: 8 Dec 2020 23:02

Instrument :

MSVOA_N

ClientSampled :

VN1208WBL02

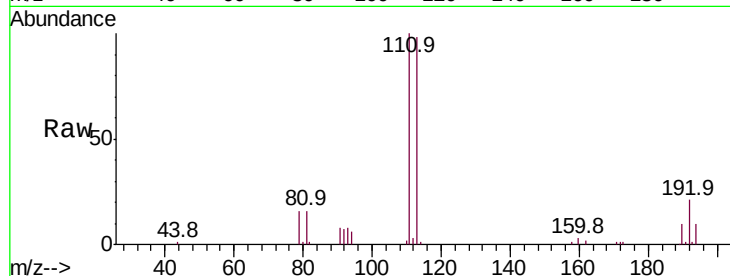
Tot Ion:113 Resp: 101459

Ion Ratio Lower Upper

113 100

111 102.7 81.6 122.4

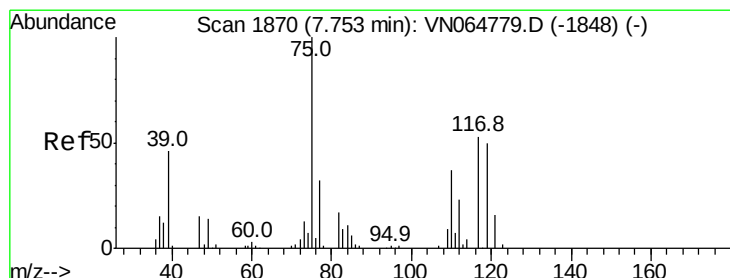
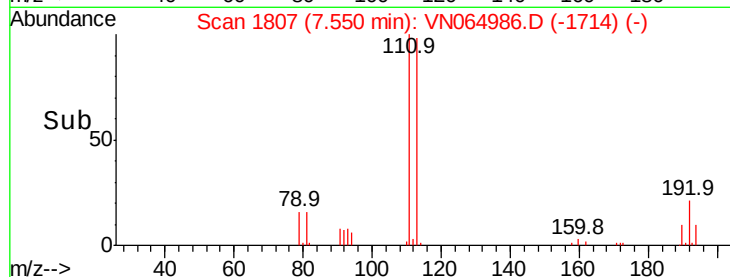
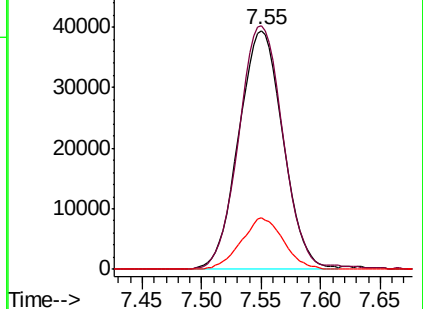
192 20.7 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 3.968 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN064986.D

Acq: 8 Dec 2020 23:02

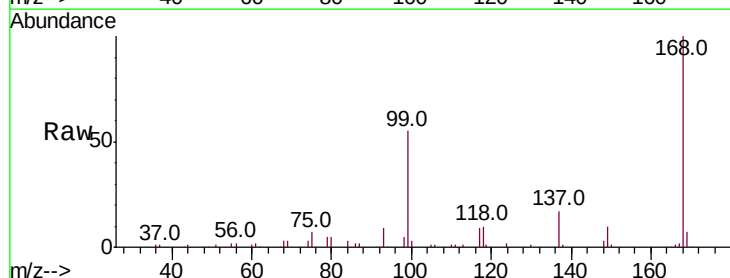
Tgt Ion: 75 Resp: 12077

Ion Ratio Lower Upper

75 100

110 8.5 17.8 53.3#

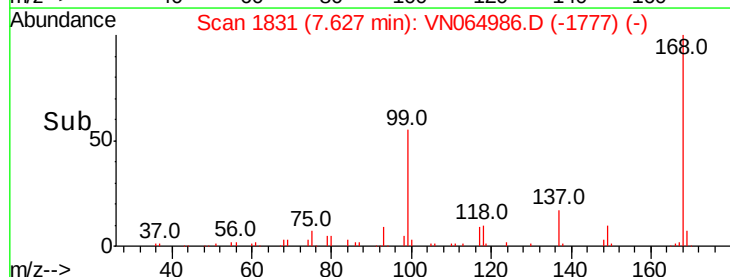
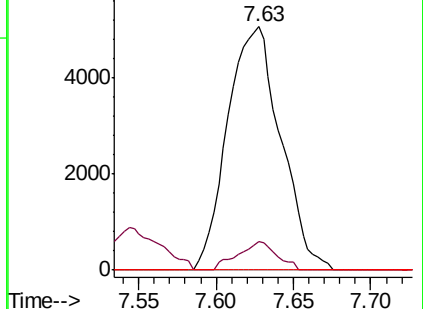
77 0.0 25.0 37.4#

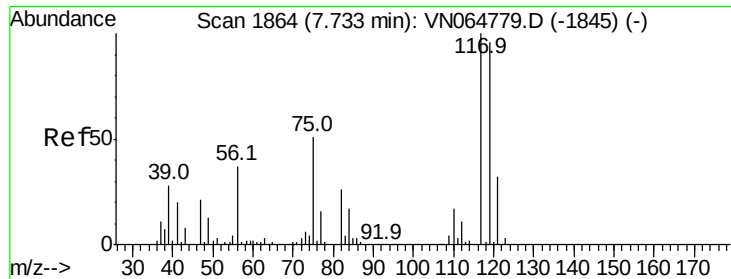


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.067 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.11 min

Lab File: VN064986.D

Acq: 8 Dec 2020 23:02

Instrument :

MSVOA_N

ClientSampled :

VN1208WBL02

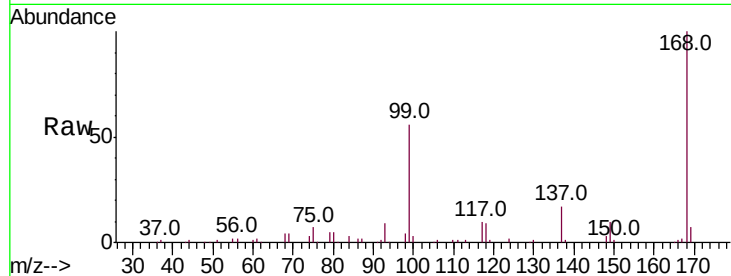
Tot Ion:117 Resp: 16047

Ion Ratio Lower Upper

117 100

119 5.8 76.7 115.1#

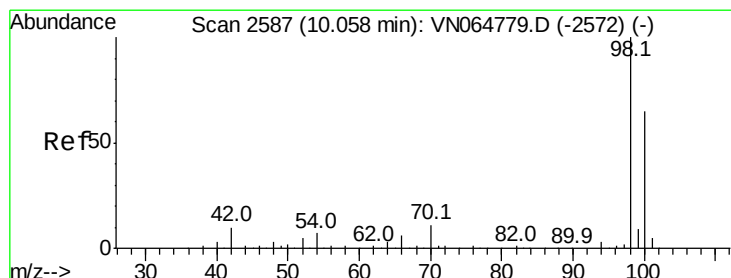
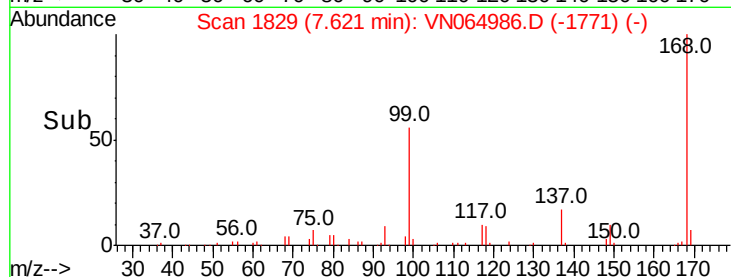
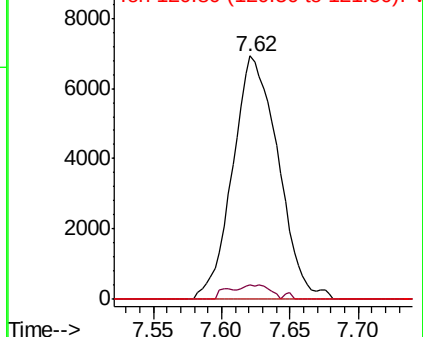
121 0.0 25.4 38.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 49.550 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064986.D

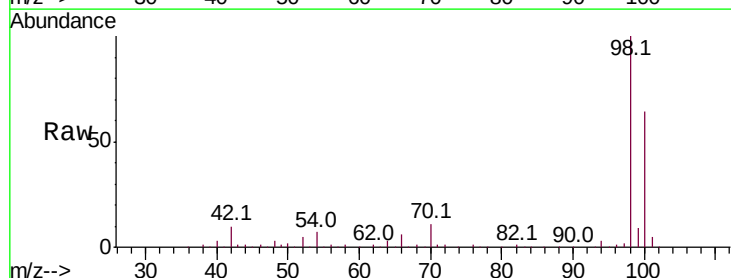
Acq: 8 Dec 2020 23:02

Tgt Ion: 98 Resp: 397818

Ion Ratio Lower Upper

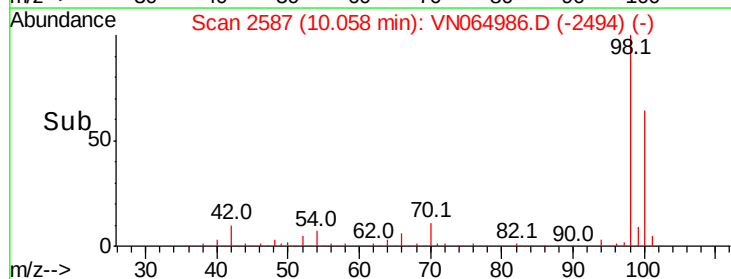
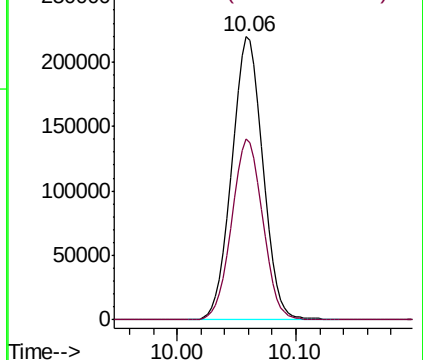
98 100

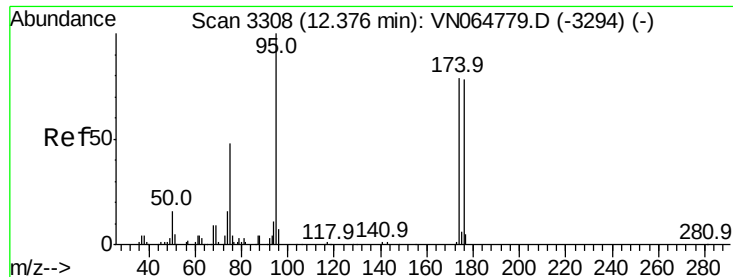
100 63.8 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#62

4-Bromofluorobenzene

Concen: 52.363 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064986.D

Acq: 8 Dec 2020 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN1208WBL02

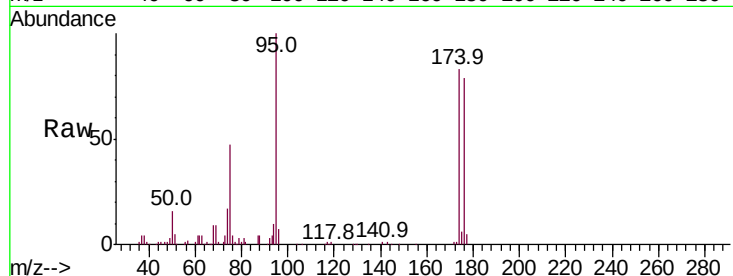
Tot Ion: 95 Resp: 150451

Ion Ratio Lower Upper

95 100

174 82.2 0.0 160.4

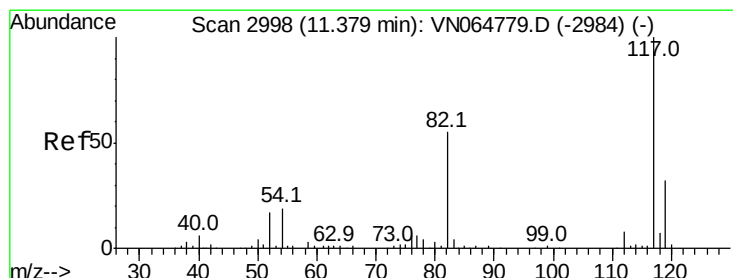
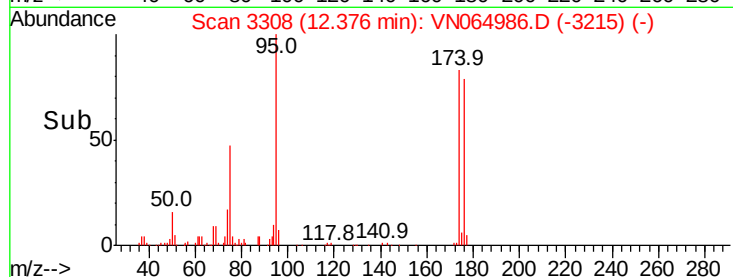
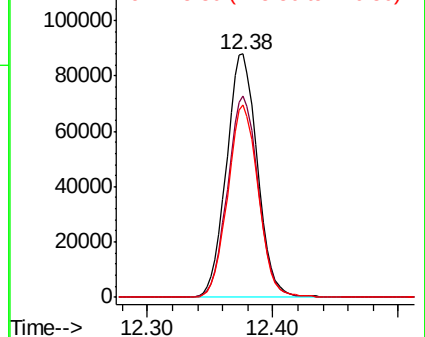
176 77.9 0.0 158.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN064986.D

Acq: 8 Dec 2020 23:02

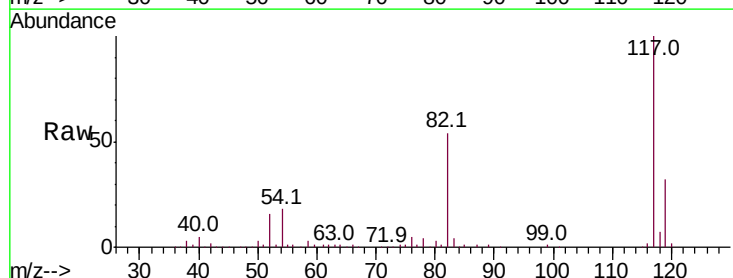
Tgt Ion: 117 Resp: 323696

Ion Ratio Lower Upper

117 100

82 54.5 44.2 66.2

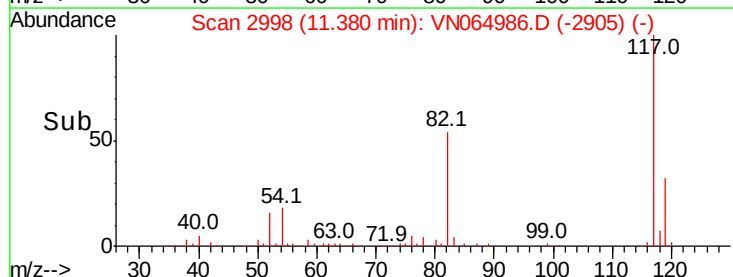
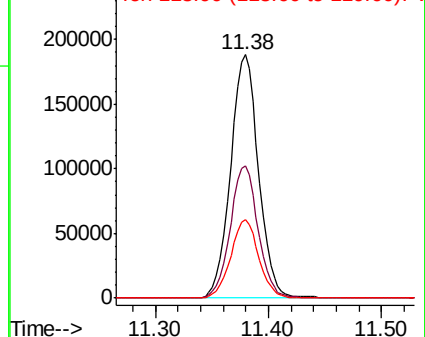
119 32.1 25.8 38.6

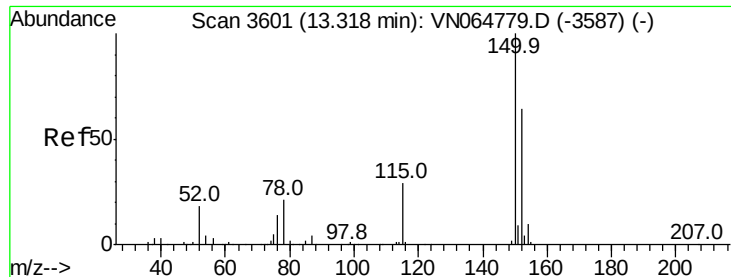


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064986.D

Acq: 8 Dec 2020 23:02

Instrument :

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VN1208WBL02

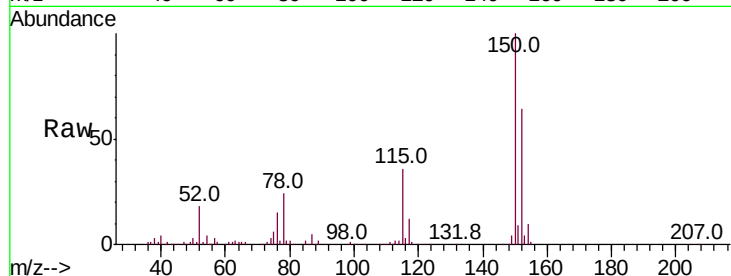
Tot Ion:152 Resp: 141944

Ion Ratio Lower Upper

152 100

115 57.2 29.7 89.1

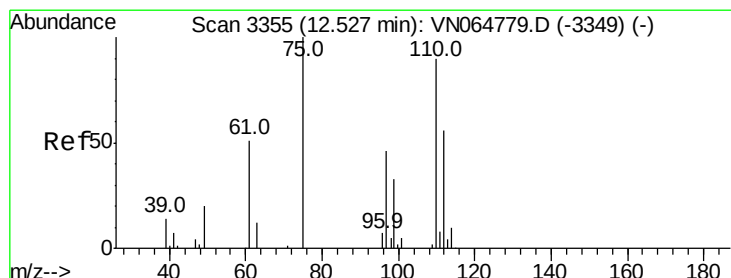
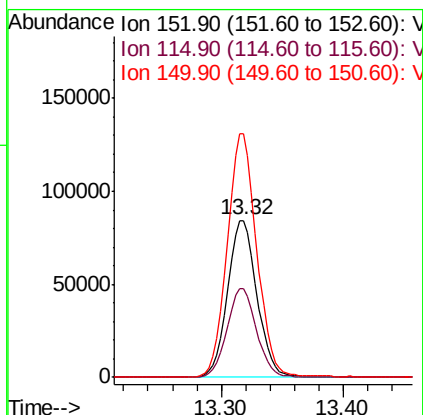
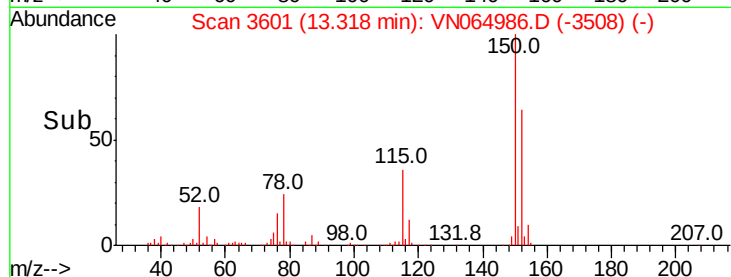
150 155.7 0.0 350.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 22.880 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064986.D

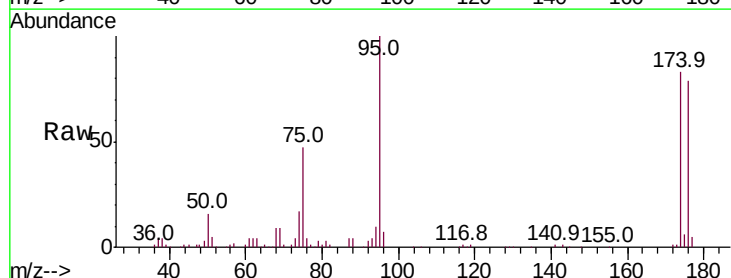
Acq: 8 Dec 2020 23:02

Tgt Ion: 75 Resp: 69942

Ion Ratio Lower Upper

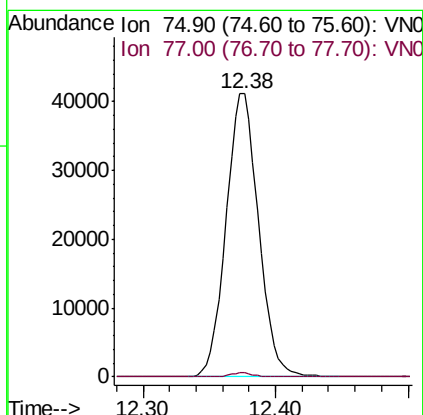
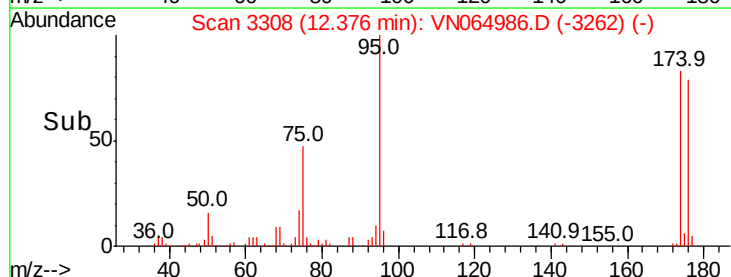
75 100

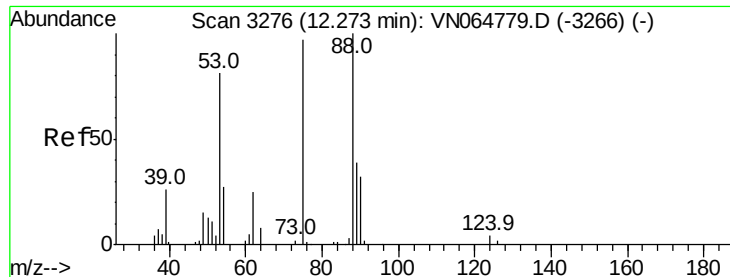
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 62.709 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064986.D

Acq: 8 Dec 2020 23:02

Instrument :

MSVOA_N

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VN1208WBL02

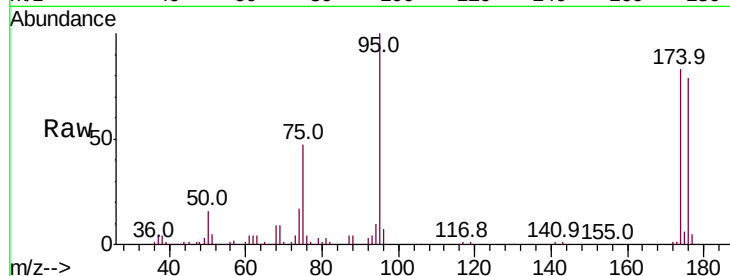
Tot Ion: 75 Resp: 69942

Ion Ratio Lower Upper

75 100

53 0.0 67.0 100.4#

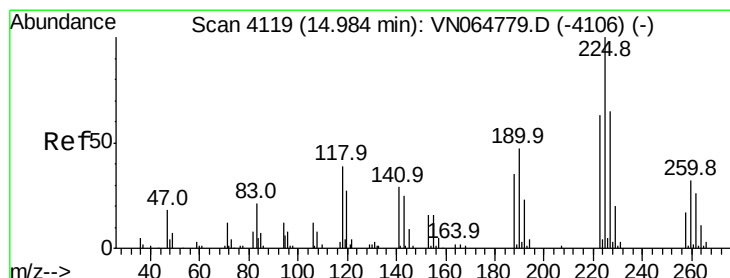
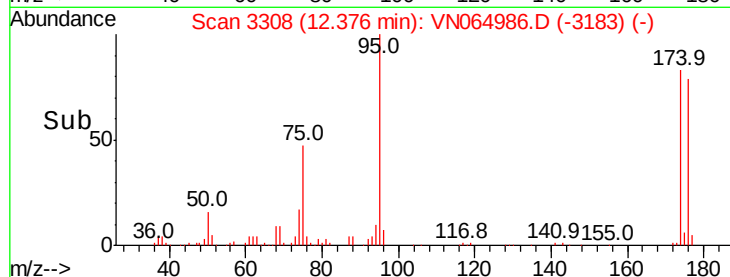
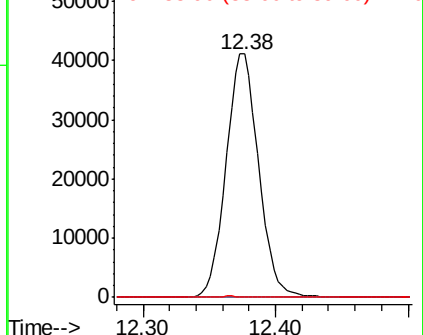
89 0.1 39.6 59.4#



Abundance Ion 74.90 (74.60 to 75.60): VN064779.D (-3266) (-)

Ion 53.00 (52.70 to 53.70): VN064779.D (-3266) (-)

Ion 88.90 (88.60 to 89.60): VN064779.D (-3266) (-)



#94

Hexachlorobutadiene

Concen: 0.507 ug/l

RT: 14.98 min Scan# 4118

Delta R.T. -0.00 min

Lab File: VN064986.D

Acq: 8 Dec 2020 23:02

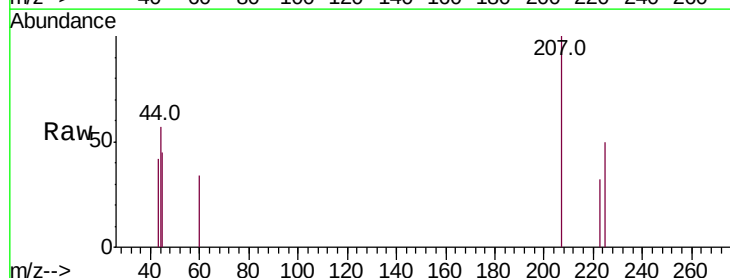
Tgt Ion: 225 Resp: 175

Ion Ratio Lower Upper

225 100

223 61.1 31.0 93.0

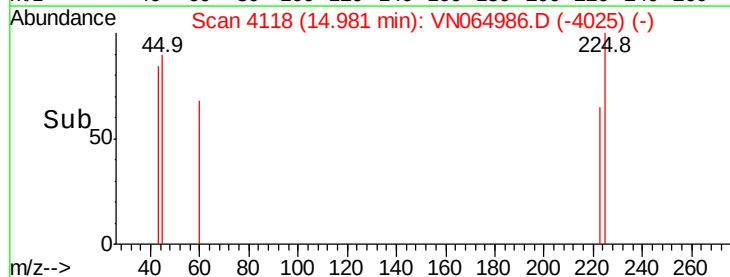
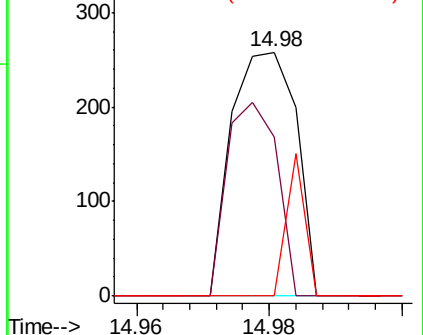
227 16.6 32.0 96.0#

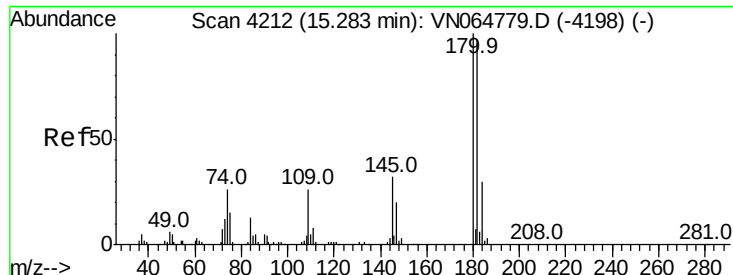


Abundance Ion 224.70 (224.40 to 225.40): VN064779.D (-4106) (-)

Ion 222.70 (222.40 to 223.40): VN064779.D (-4106) (-)

Ion 226.70 (226.40 to 227.40): VN064779.D (-4106) (-)





#96

1,2,3-Trichlorobenzene

Concen: 1.504 ug/l

RT: 15.29 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN064986.D

Acq: 8 Dec 2020 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN1208WBL02

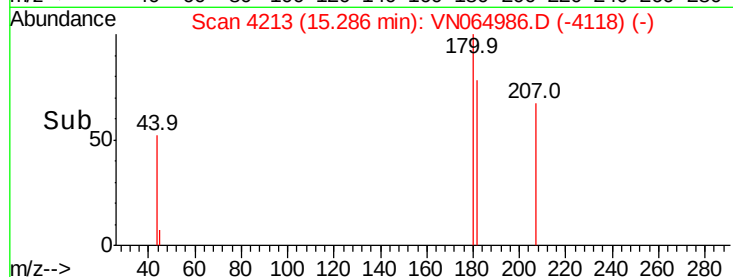
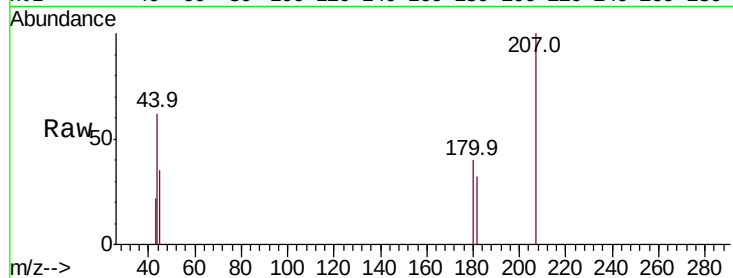
Tot Ion:180 Resp: 314

Ion Ratio Lower Upper

180 100

182 76.4 48.1 144.4

145 0.0 16.4 49.1#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

