

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120120\
 Data File : VN064879.D
 Acq On : 1 Dec 2020 13:52
 Operator : JC/MD
 Sample : L4908-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

Quant Time: Dec 02 00:17:00 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	163705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	296519	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	306852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	135944	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	103956	54.62	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	109.24%
35) Dibromofluoromethane	7.55	113	94376	53.19	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	106.38%
50) Toluene-d8	10.06	98	367135	50.64	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.28%
62) 4-Bromofluorobenzene	12.38	95	143450	55.29	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	110.58%

Target Compounds

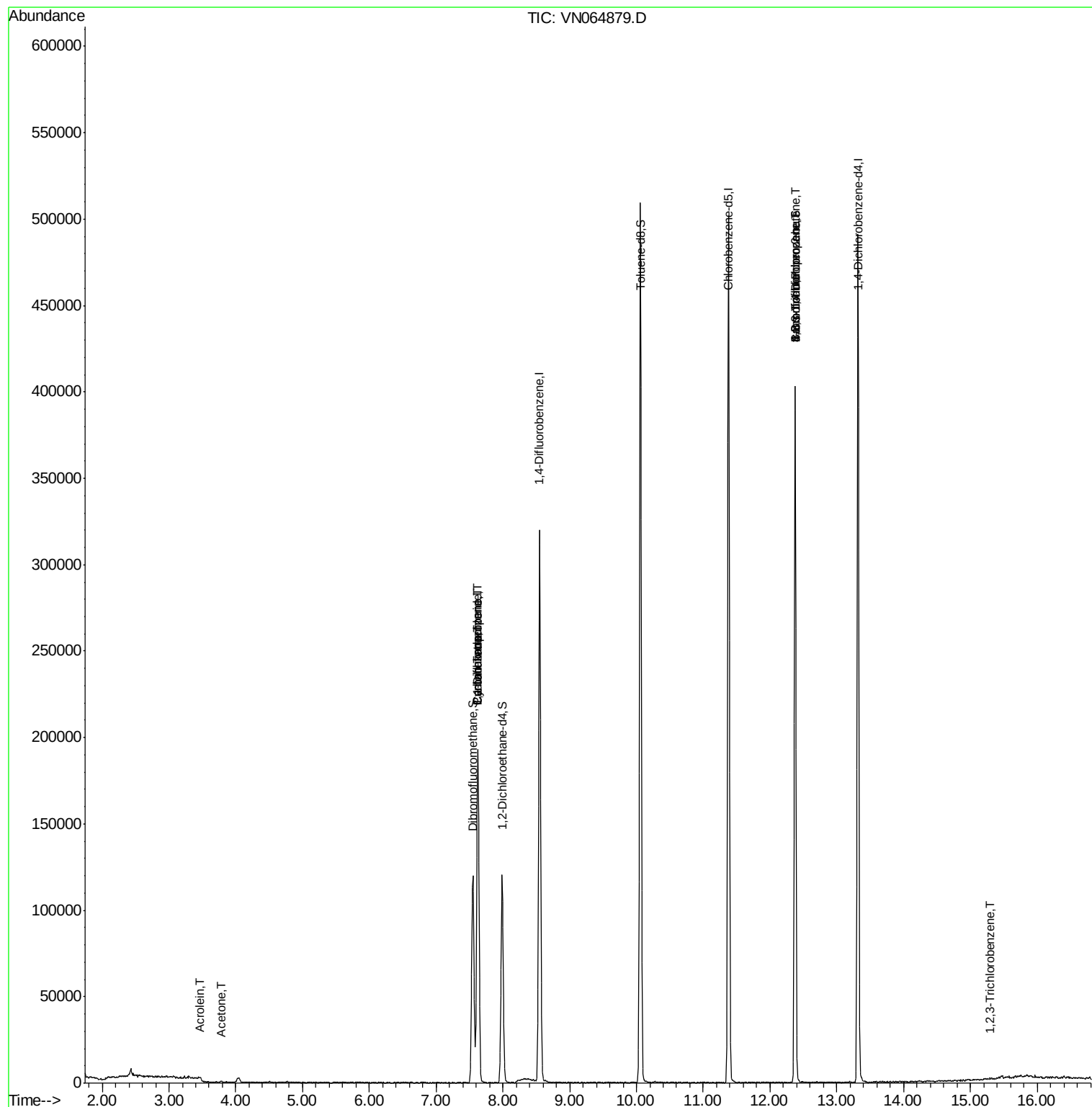
					Qvalue	
13) Acrolein	3.46	56	96	0.530	ug/l #	1
16) Acetone	3.77	43	368	0.588	ug/l #	43
31) Cyclohexane	7.63	56	2846	1.073	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	11247	4.092	ug/l #	49
38) Carbon Tetrachloride	7.63	117	15274	5.341	ug/l #	17
71) Bromoform	12.37	173	1024	0.529	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	67811	23.162	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	67811	63.482	ug/l #	15
96) 1,2,3-Trichlorobenzene	15.29	180	69	1.418	ug/l #	48

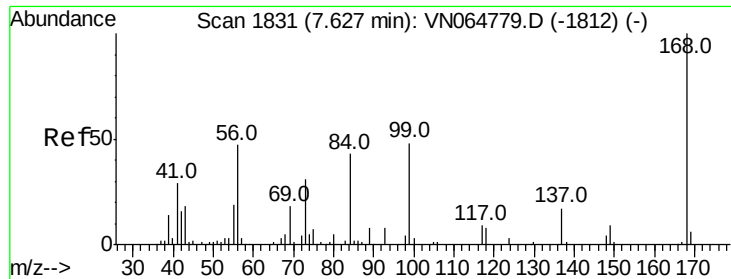
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Nov 23 13:54:12 2020
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: VN064879.D

Acq: 1 Dec 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

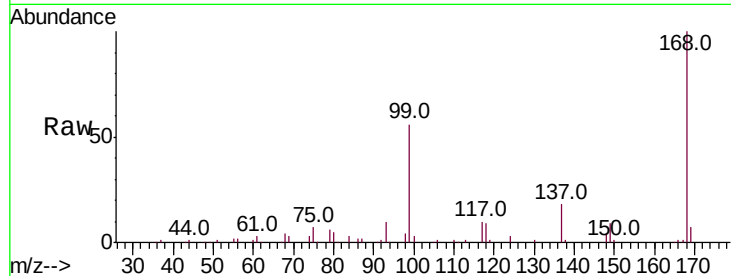
STORAGE-BLANK-WATER-REF-5

Tot Ion:168 Resp: 163705

Ion Ratio Lower Upper

168 100

99 56.2 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

60000

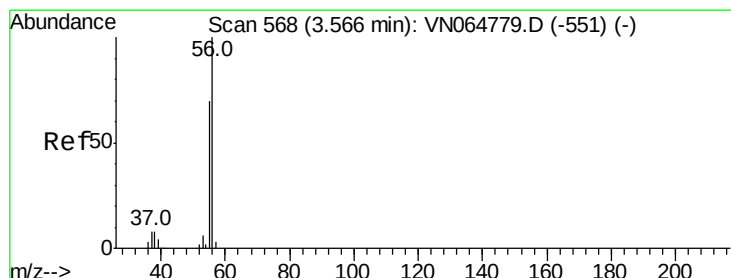
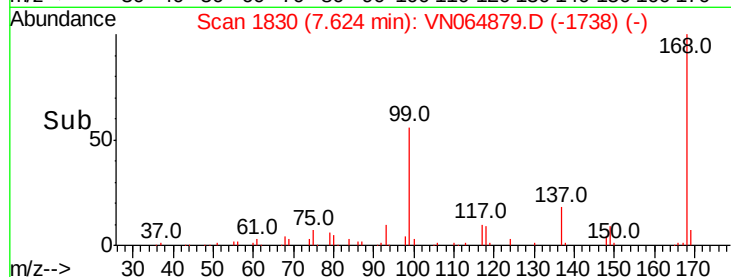
40000

20000

0

7.50 7.60 7.70

Time-->



#13

Acrolein

Concen: 0.530 ug/l

RT: 3.46 min Scan# 536

Delta R.T. -0.10 min

Lab File: VN064879.D

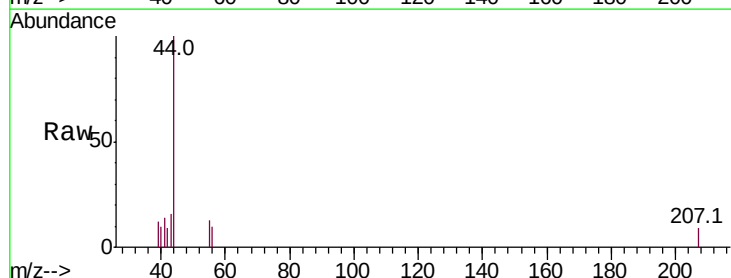
Acq: 1 Dec 2020 13:52

Tgt Ion: 56 Resp: 96

Ion Ratio Lower Upper

56 100

55 287.5 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN

3.46

250

200

150

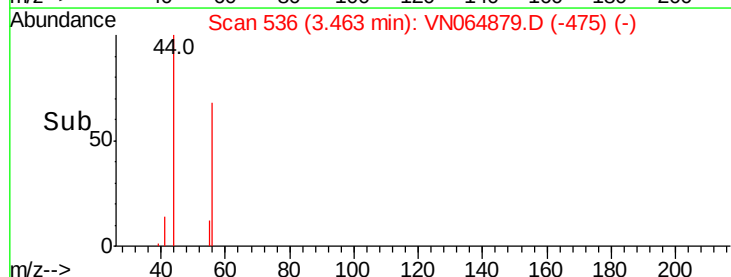
100

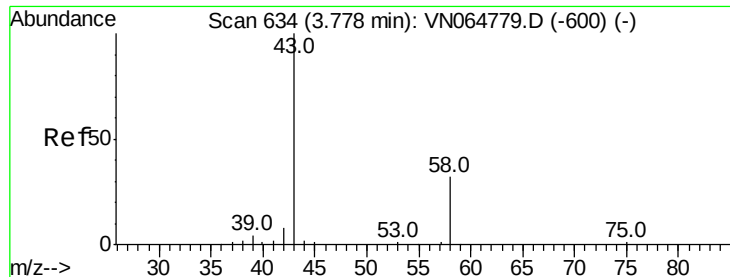
50

0

3.45 3.46 3.47 3.48

Time-->





#16

Acetone

Concen: 0.588 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.01 min

Lab File: VN064879.D

Acq: 1 Dec 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

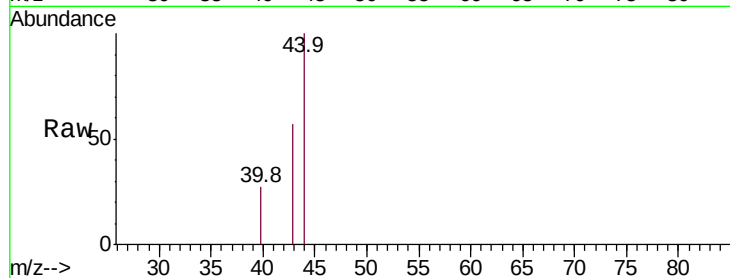
STORAGE-BLANK-WATER-REF-5

Tot Ion: 43 Resp: 368

Ion Ratio Lower Upper

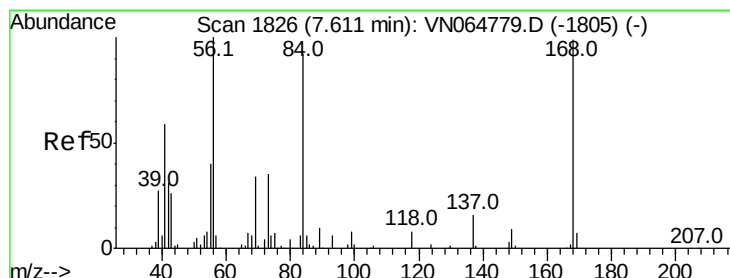
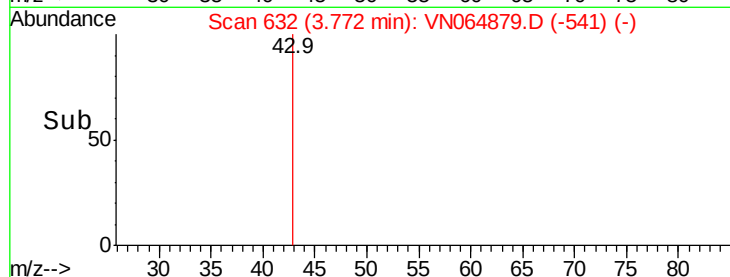
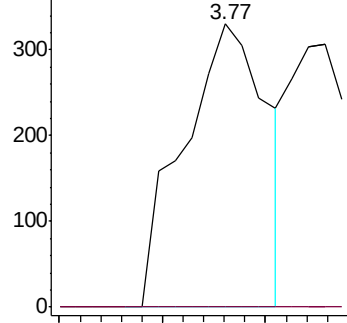
43 100

58 0.0 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#31

Cyclohexane

Concen: 1.073 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.02 min

Lab File: VN064879.D

Acq: 1 Dec 2020 13:52

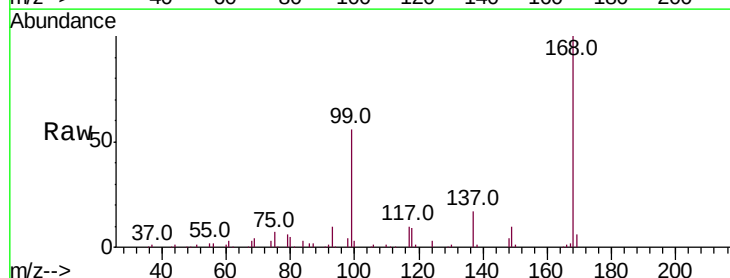
Tgt Ion: 56 Resp: 2846

Ion Ratio Lower Upper

56 100

69 177.9 27.5 41.3#

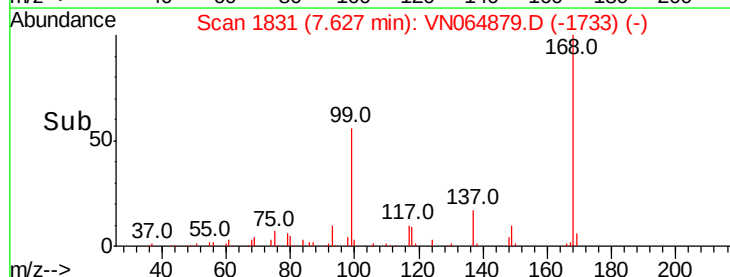
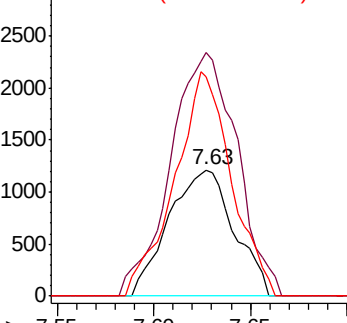
84 174.2 73.9 110.9#

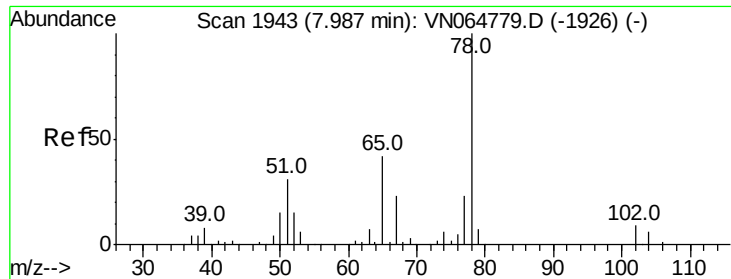


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

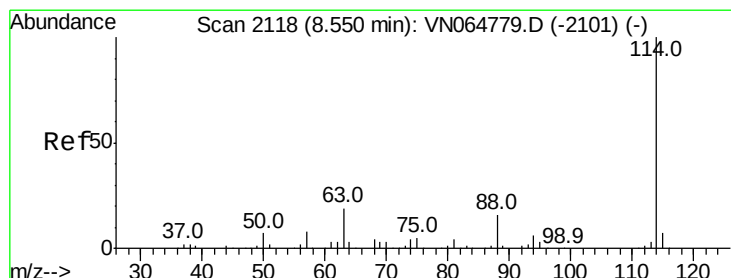
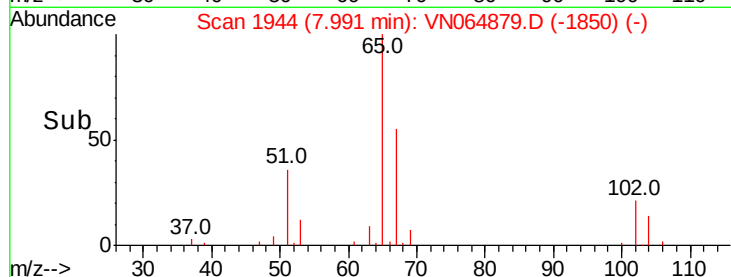
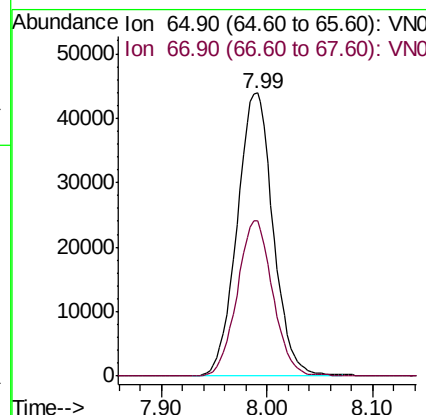
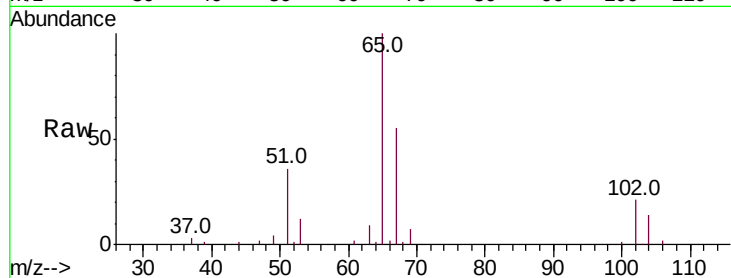




#33
 1,2-Dichloroethane-d4
 Concen: 54.622 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN064879.D
 Acq: 1 Dec 2020 13:52

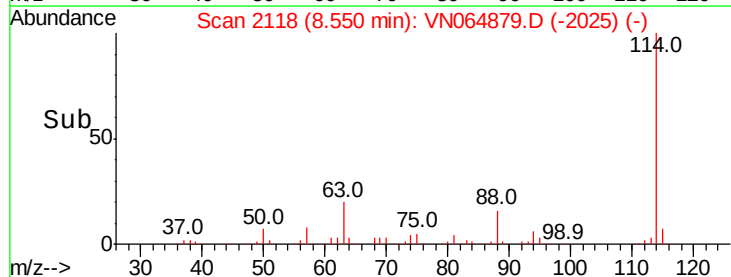
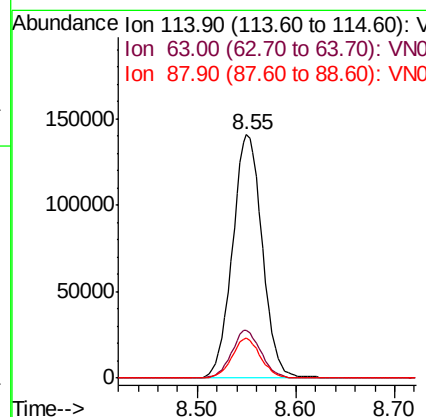
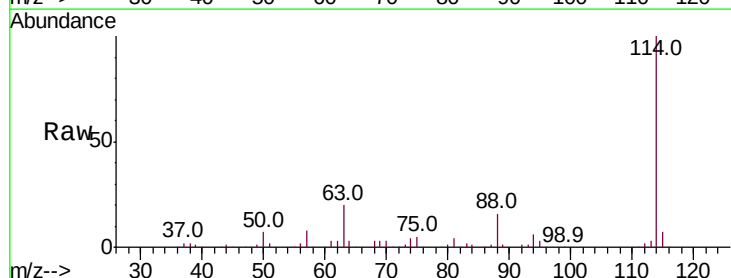
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

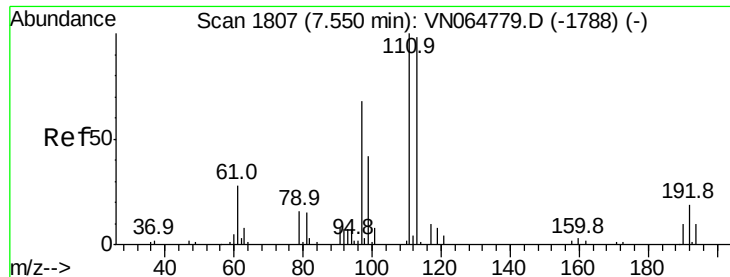
Tot Ion: 65 Resp: 103956
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064879.D
 Acq: 1 Dec 2020 13:52

Tgt Ion: 114 Resp: 296519
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.6
 88 16.3 0.0 32.6

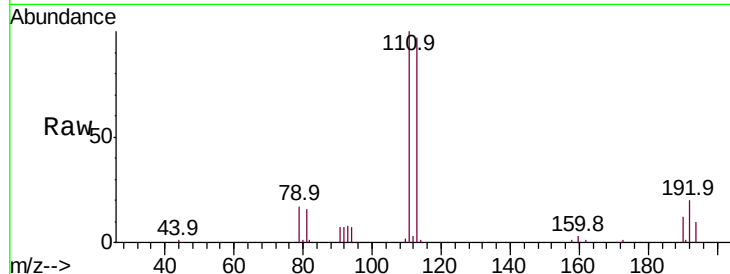




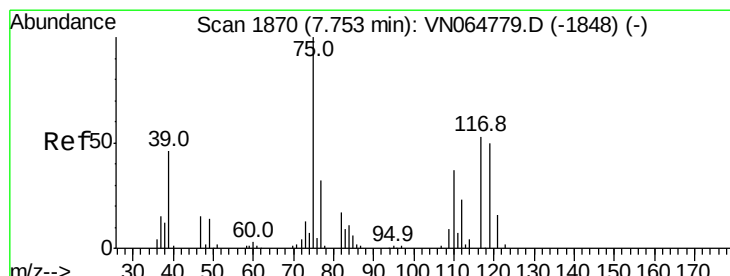
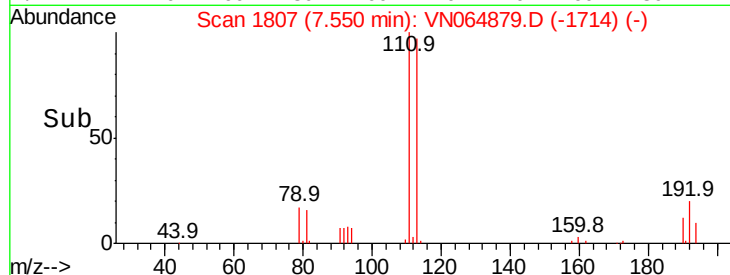
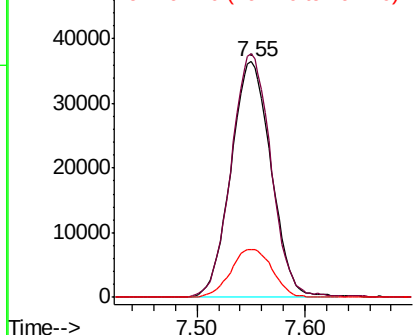
#35
 Dibromofluoromethane
 Concen: 53.191 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064879.D
 Acq: 1 Dec 2020 13:52

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

Tot Ion:113 Resp: 94376
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.6 122.4
 192 21.1 16.2 24.2

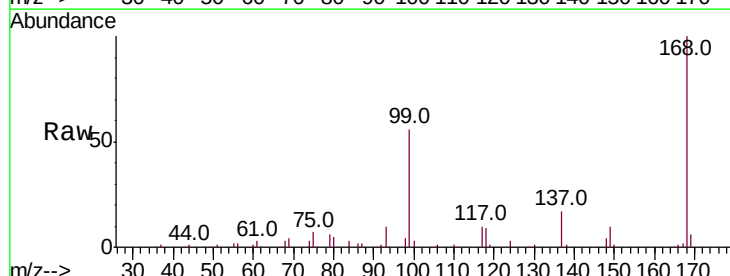


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

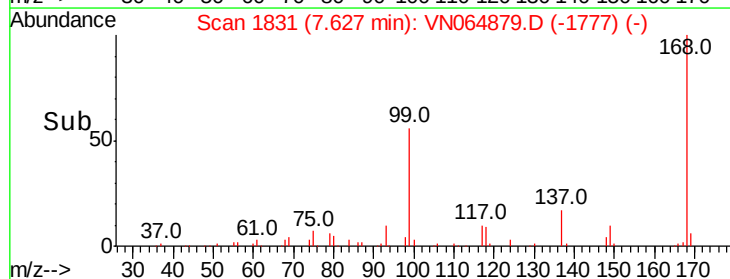
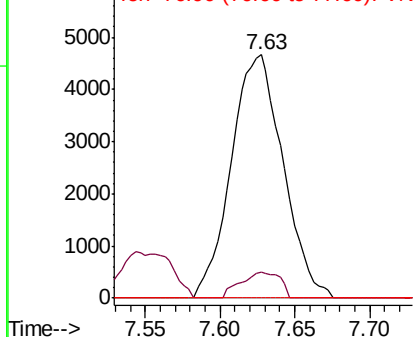


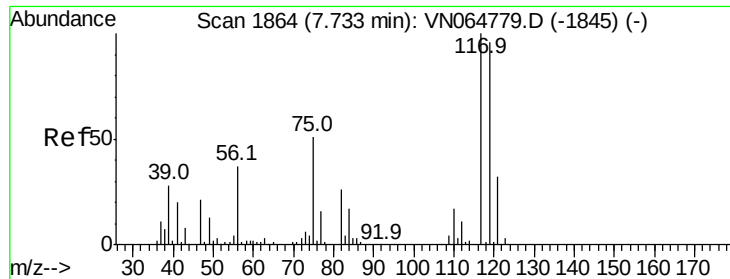
#36
 1,1-Dichloropropene
 Concen: 4.092 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064879.D
 Acq: 1 Dec 2020 13:52

Tgt Ion: 75 Resp: 11247
 Ion Ratio Lower Upper
 75 100
 110 8.0 17.8 53.3#
 77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO





#38

Carbon Tetrachloride

Concen: 5.341 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN064879.D

Acq: 1 Dec 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

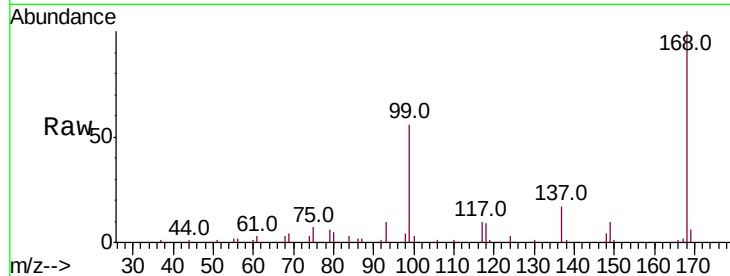
Tot Ion:117 Resp: 15274

Ion Ratio Lower Upper

117 100

119 6.9 76.7 115.1#

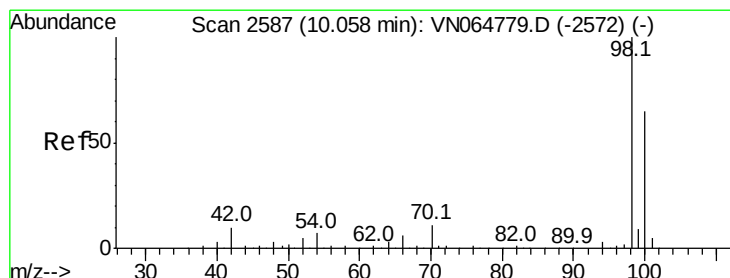
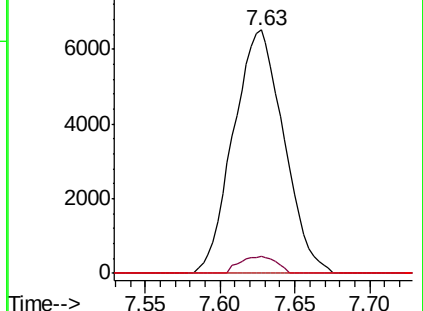
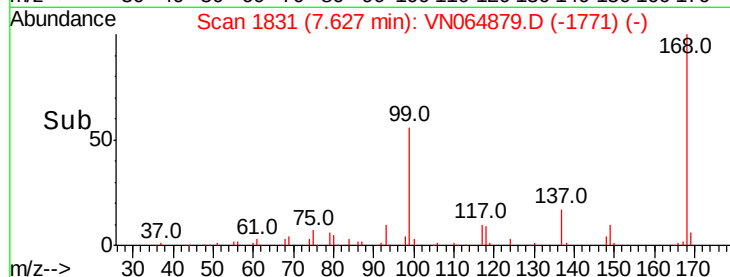
121 0.0 25.4 38.2#



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: 50.642 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064879.D

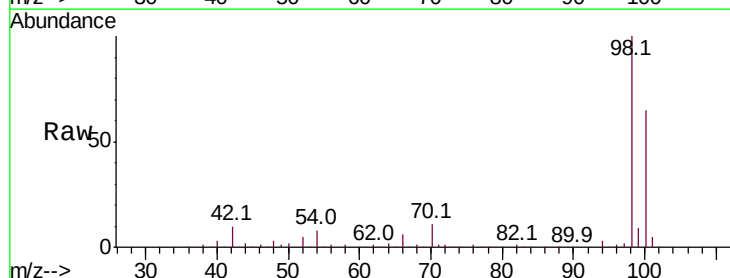
Acq: 1 Dec 2020 13:52

Tgt Ion: 98 Resp: 367135

Ion Ratio Lower Upper

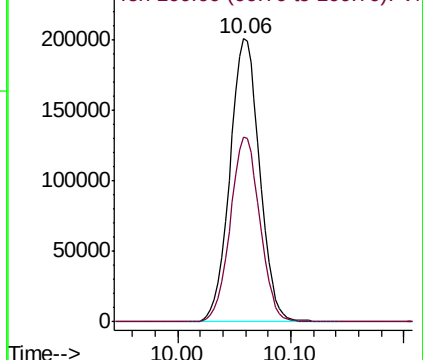
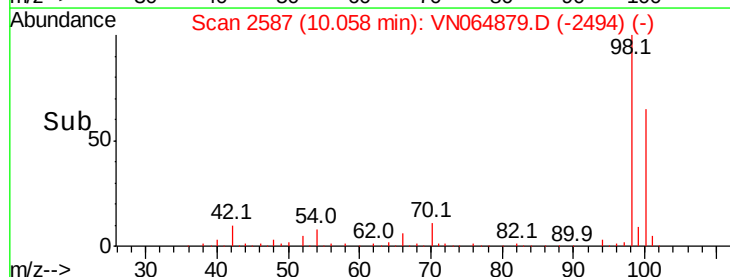
98 100

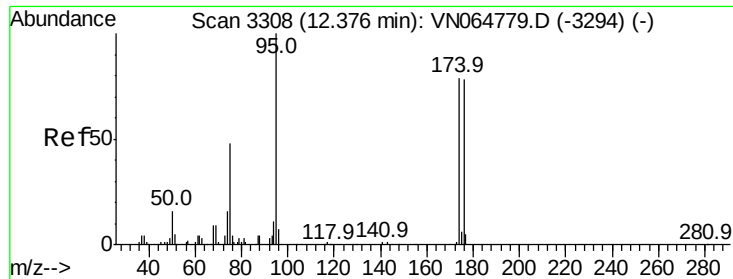
100 65.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#62

4-Bromofluorobenzene

Concen: 55.291 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064879.D

Acq: 1 Dec 2020 13:52

Instrument :

MSVOA_N

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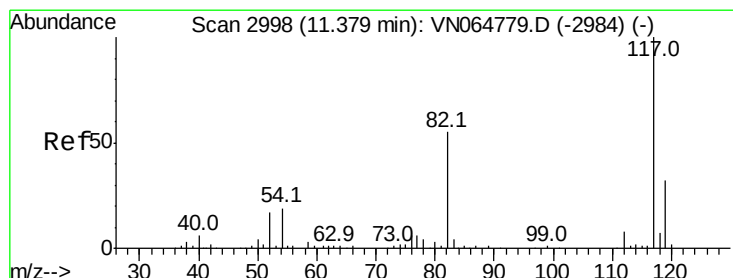
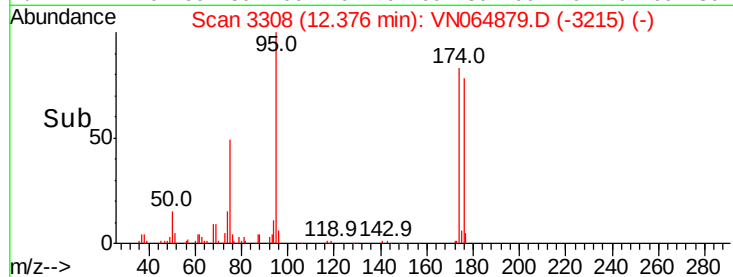
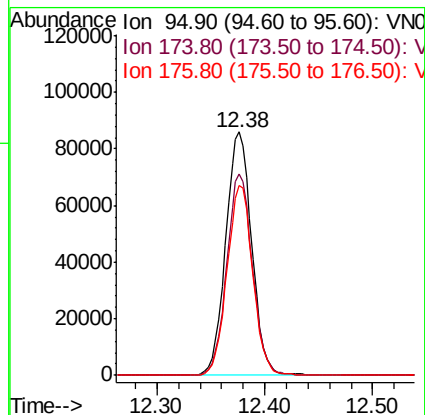
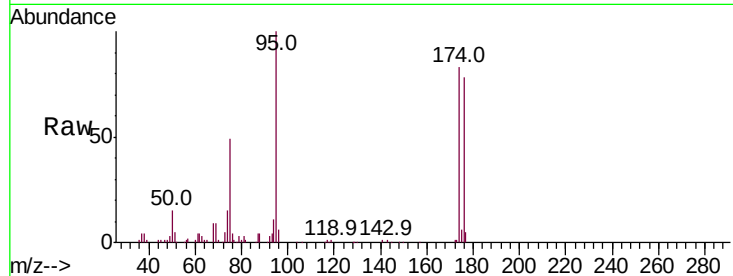
Tot Ion: 95 Resp: 143450

Ion Ratio Lower Upper

95 100

174 82.1 0.0 160.4

176 77.2 0.0 158.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN064879.D

Acq: 1 Dec 2020 13:52

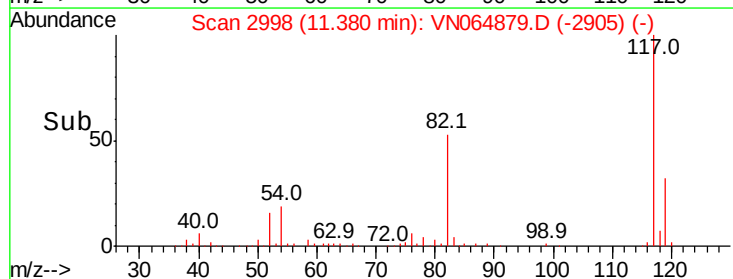
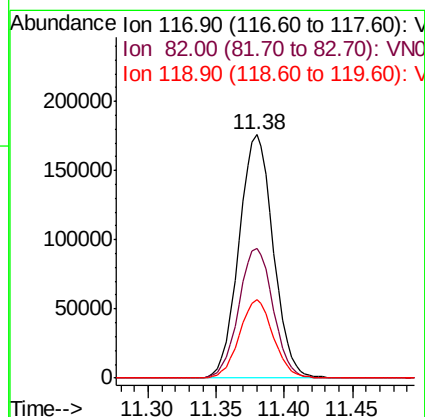
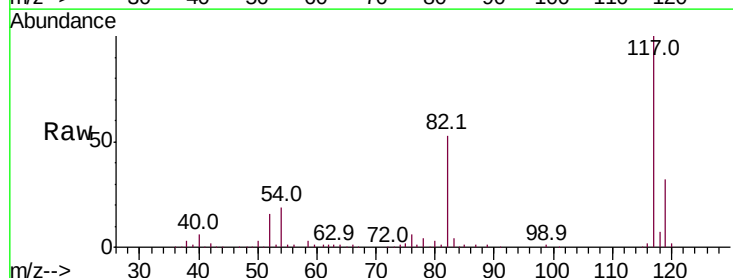
Tgt Ion: 117 Resp: 306852

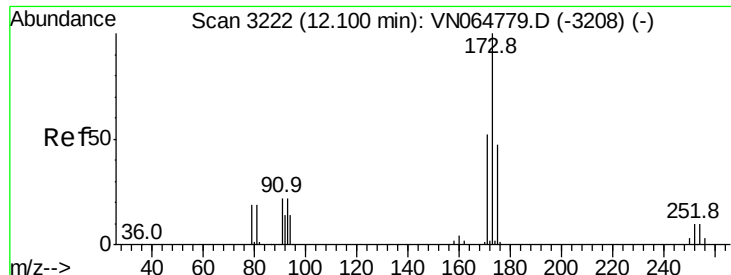
Ion Ratio Lower Upper

117 100

82 53.4 44.2 66.2

119 32.1 25.8 38.6

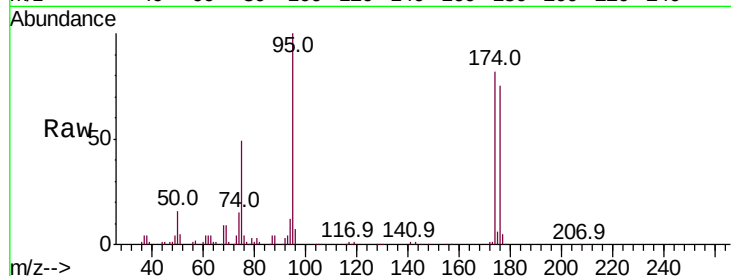




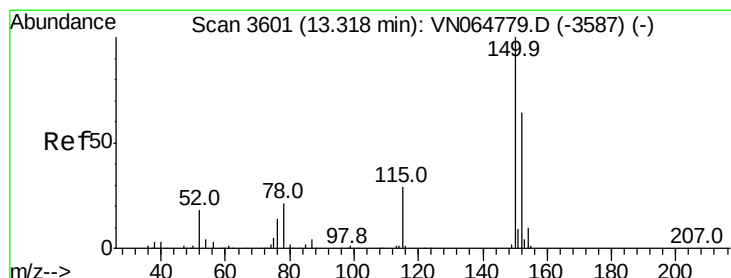
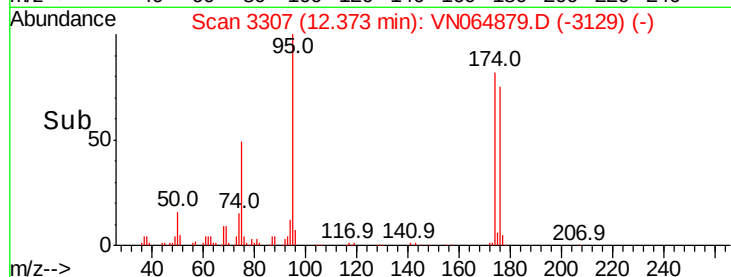
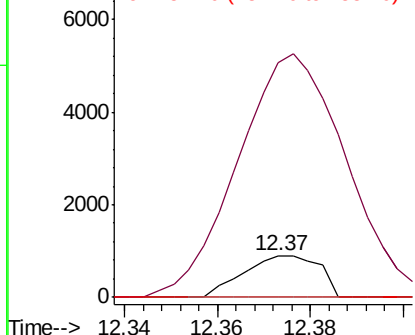
#71
Bromoform
Concen: 0.529 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. 0.27 min
Lab File: VN064879.D
Acq: 1 Dec 2020 13:52

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

Tot Ion:173 Resp: 1024
Ion Ratio Lower Upper
173 100
175 711.5 24.3 72.8#
254 0.0 0.0 0.0

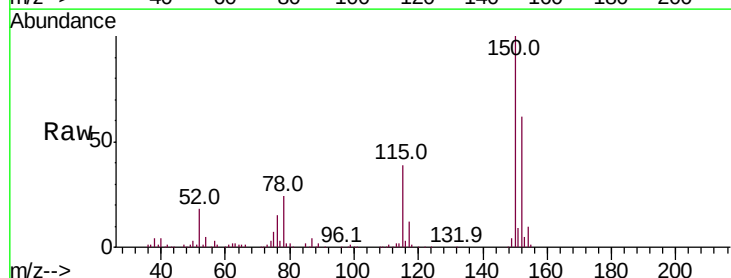


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

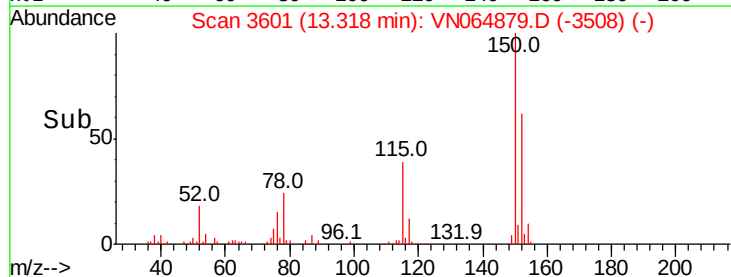
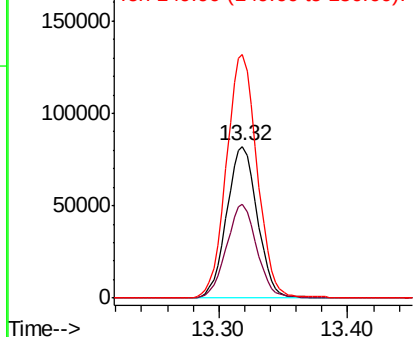


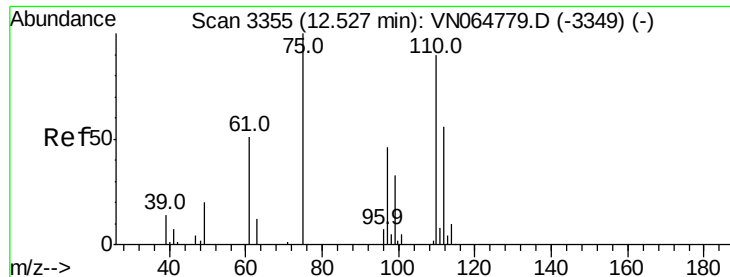
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064879.D
Acq: 1 Dec 2020 13:52

Tgt Ion:152 Resp: 135944
Ion Ratio Lower Upper
152 100
115 61.3 29.7 89.1
150 160.6 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: 23.162 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064879.D

Acq: 1 Dec 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

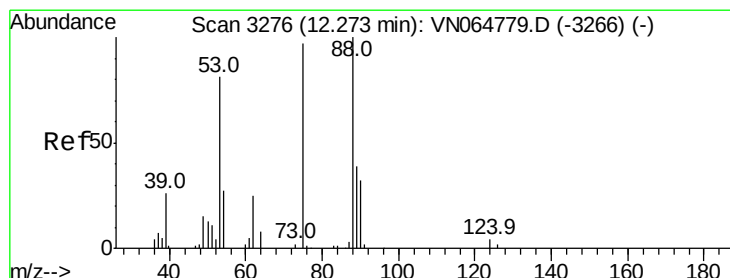
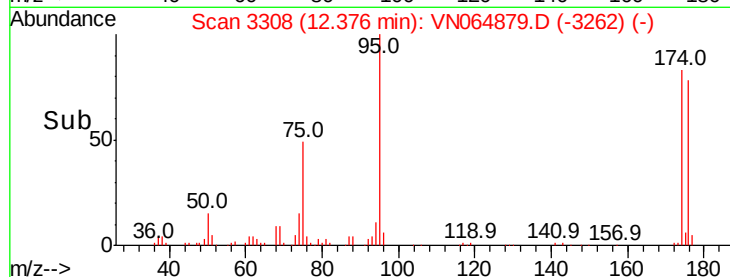
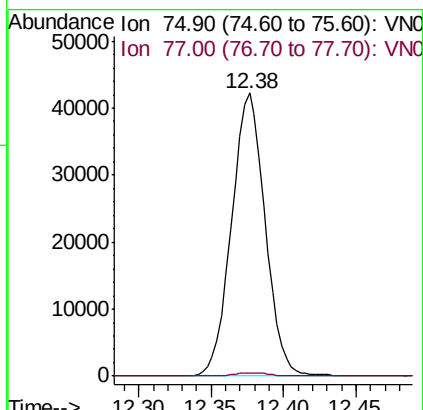
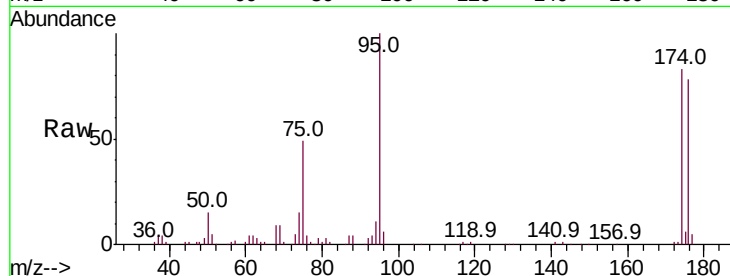
STORAGE-BLANK-WATER-REF-5

Tot Ion: 75 Resp: 67811

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.482 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064879.D

Acq: 1 Dec 2020 13:52

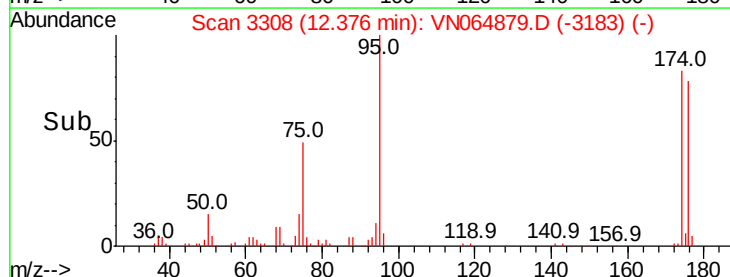
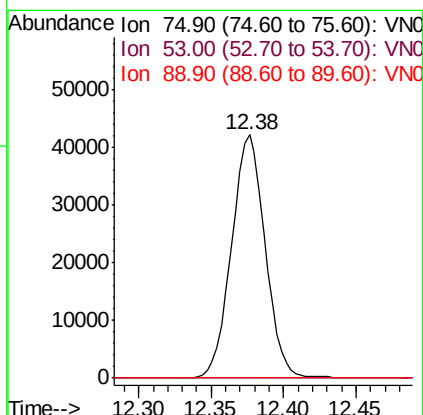
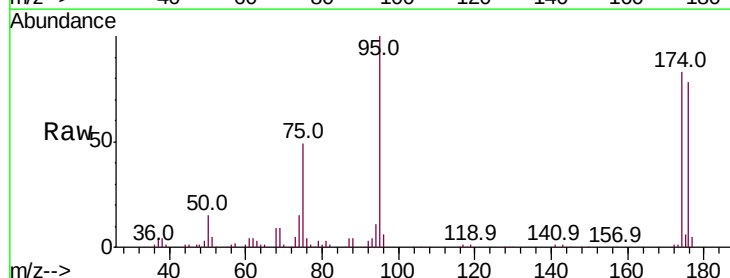
Tgt Ion: 75 Resp: 67811

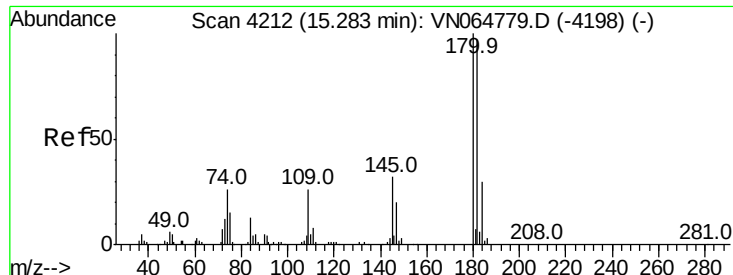
Ion Ratio Lower Upper

75 100

53 0.0 67.0 100.4#

89 0.0 39.6 59.4#





#96

1,2,3-Trichlorobenzene

Concen: 1.418 ug/l

RT: 15.29 min Scan# 4214

Delta R.T. 0.01 min

Lab File: VN064879.D

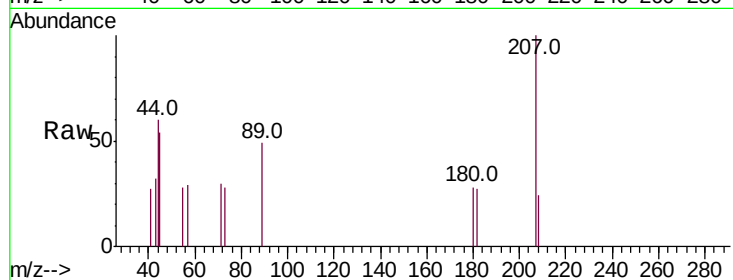
Acq: 1 Dec 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5



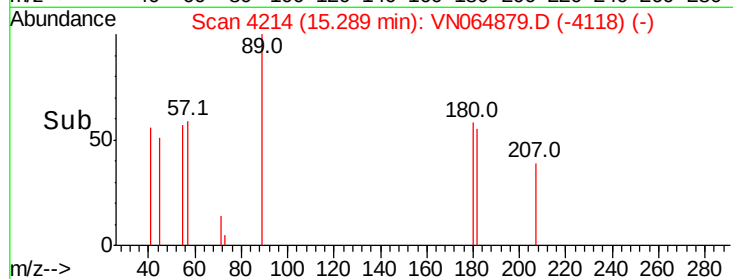
Tot Ion:180 Resp: 69

Ion Ratio Lower Upper

180 100

182 144.9 48.1 144.4#

145 0.0 16.4 49.1#



Abundance Ion 179.80 (179.50 to 180.50): V

250 Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

200

150

100

50

0

15.28

15.29

15.30

Time-->