

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111320\
 Data File : VN064630.D
 Acq On : 13 Nov 2020 14:36
 Operator : JC/MD
 Sample : L4747-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-578-580

Quant Time: Nov 17 01:57:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	220778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	467645	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	472439	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	179930	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	224392	58.35	ug/l	0.00
Spiked Amount			Recovery	=	116.70%	
35) Dibromofluoromethane	7.55	113	168727	52.99	ug/l	0.00
Spiked Amount			Recovery	=	105.98%	
50) Toluene-d8	10.06	98	587912	47.77	ug/l	0.00
Spiked Amount			Recovery	=	95.54%	
62) 4-Bromofluorobenzene	12.38	95	220446	47.37	ug/l	0.00
Spiked Amount			Recovery	=	94.74%	

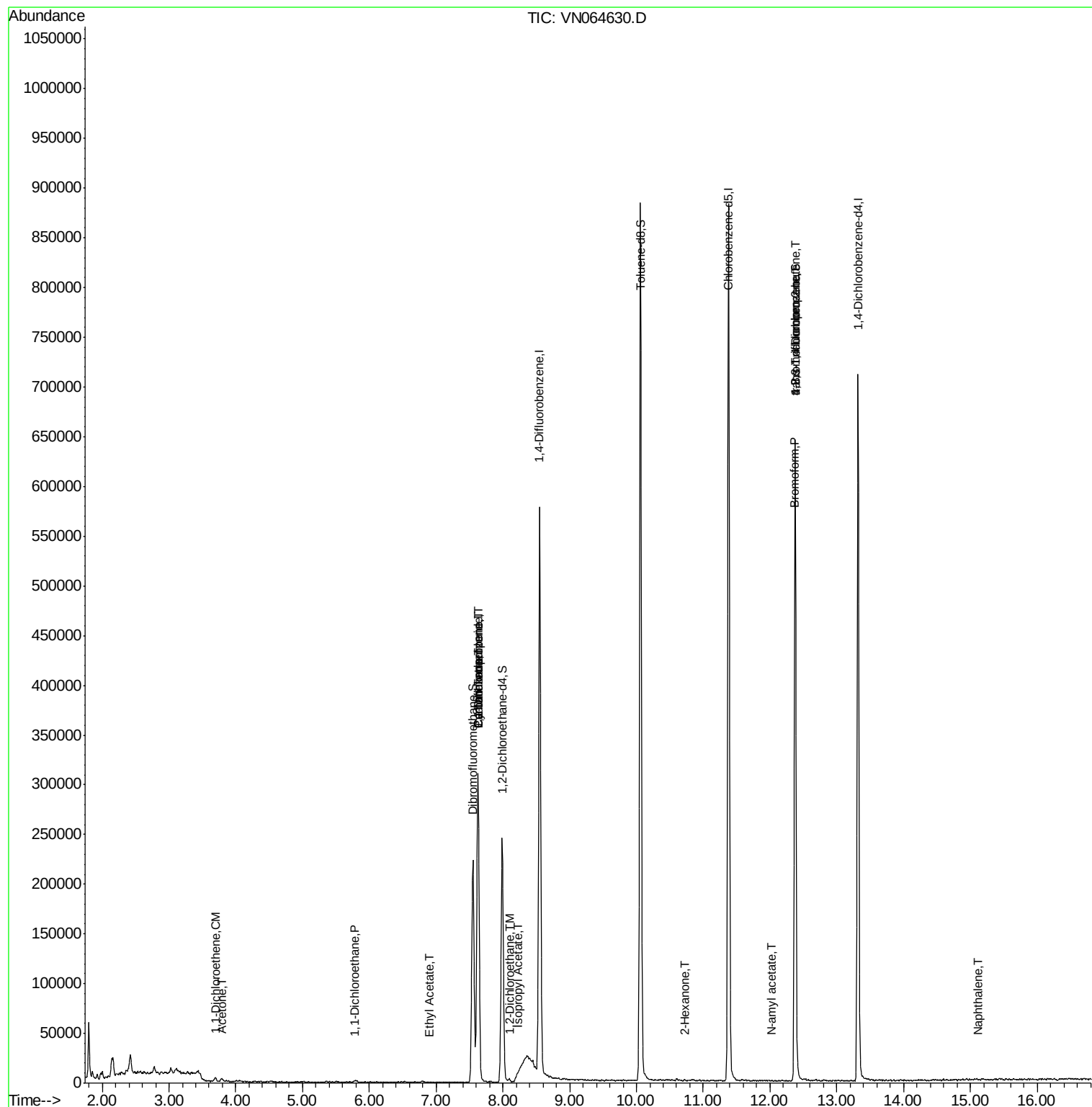
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	3.70	96	1555	0.659	ug/l #	52
16) Acetone	3.79	43	5870	4.007	ug/l #	72
24) 1,1-Dichloroethane	5.79	63	1147	0.213	ug/l #	85
31) Cyclohexane	7.63	56	6351	1.359	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	21453	4.342	ug/l #	51
37) Ethyl Acetate	6.90	43	109	0.784	ug/l #	71
38) Carbon Tetrachloride	7.63	117	26073	4.938	ug/l #	16
42) 1,2-Dichloroethane	8.09	62	2845	0.486	ug/l	92
43) Isopropyl Acetate	8.22	43	7230	0.903	ug/l #	64
59) 2-Hexanone	10.72	43	147	4.066	ug/l #	28
71) Bromoform	12.36	173	312	1.380	ug/l #	29
74) N-amyl acetate	12.03	43	473	1.281	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	122173	28.024	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	122173	78.247	ug/l #	8
95) Naphthalene	15.12	128	144	3.636	ug/l #	69

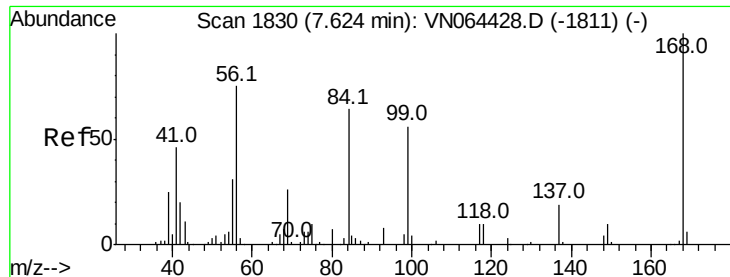
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Nov 04 12:09:03 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN064630.D

Acq: 13 Nov 2020 14:36

Instrument :

MSVOA_N

ClientSampleId :

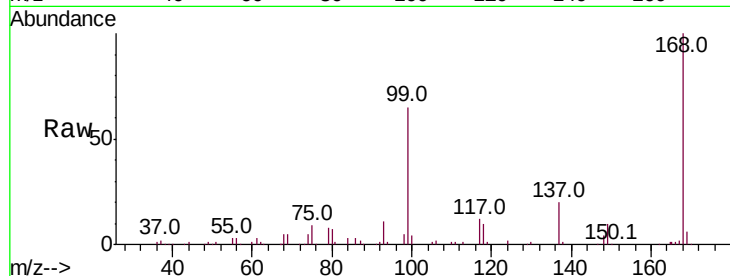
BP-VPB178-GW-578-580

Tot Ion:168 Resp: 220778

Ion Ratio Lower Upper

168 100

99 64.5 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

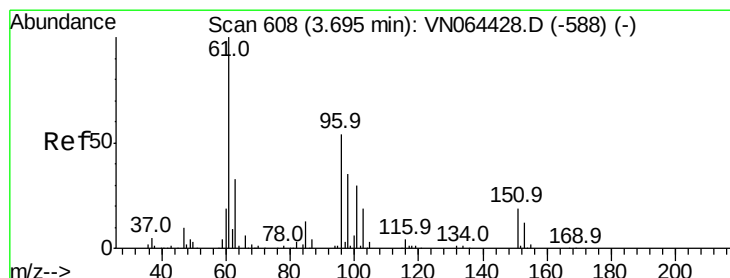
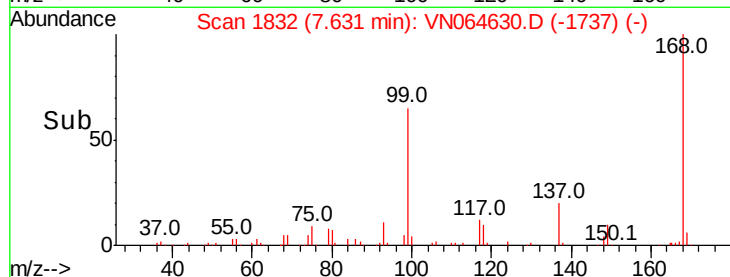
60000

40000

20000

0

Time-->



#12

1,1-Dichloroethene

Concen: 0.659 ug/l

RT: 3.70 min Scan# 608

Delta R.T. 0.00 min

Lab File: VN064630.D

Acq: 13 Nov 2020 14:36

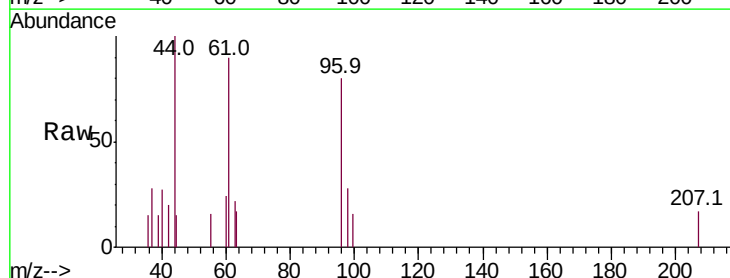
Tgt Ion: 96 Resp: 1555

Ion Ratio Lower Upper

96 100

61 111.8 149.5 224.3#

98 34.7 52.4 78.6#



Abundance Ion 95.90 (95.60 to 96.60): VN

Ion 60.90 (60.60 to 61.60): VN

Ion 97.90 (97.60 to 98.60): VN

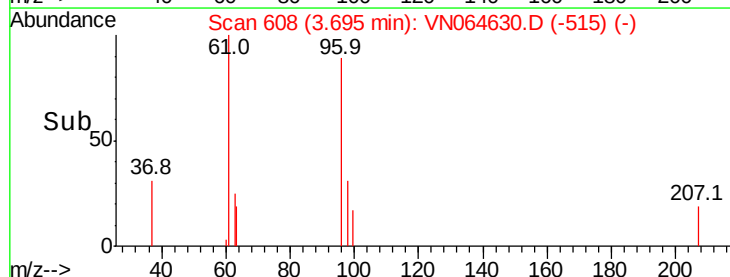
1500

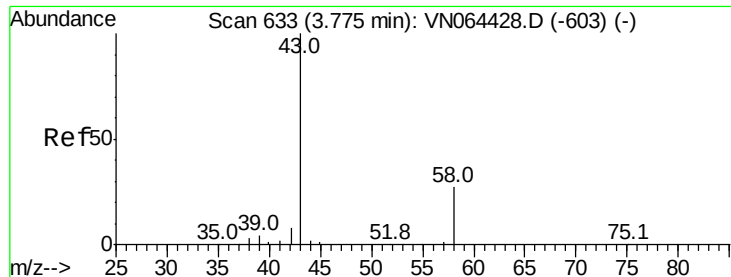
1000

500

0

Time-->





#16

Acetone

Concen: 4.007 ug/l

RT: 3.79 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN064630.D

Acq: 13 Nov 2020 14:36

Instrument :

MSVOA_N

ClientSampleId :

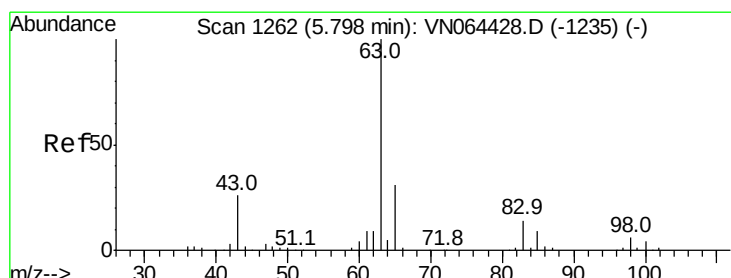
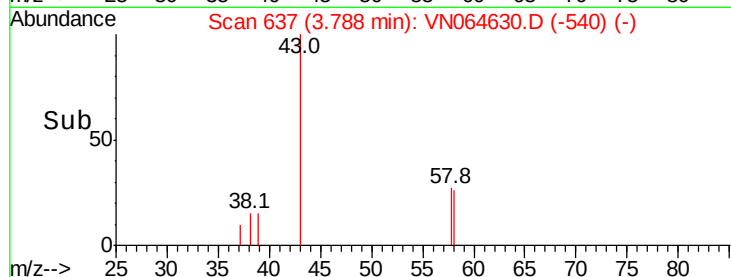
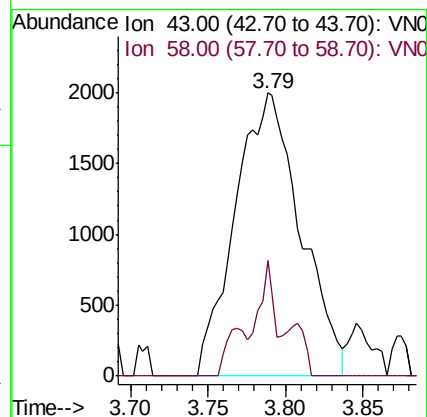
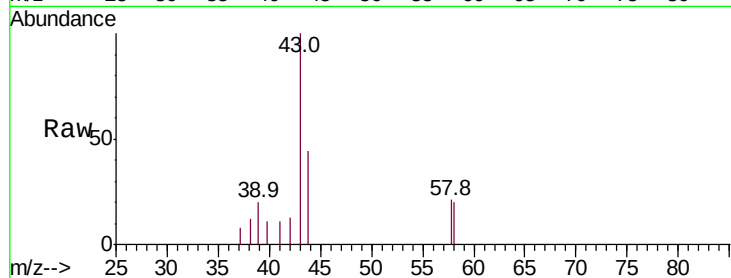
BP-VPB178-GW-578-580

Tot Ion: 43 Resp: 5870

Ion Ratio Lower Upper

43 100

58 40.9 21.4 32.0#



#24

1,1-Dichloroethane

Concen: 0.213 ug/l

RT: 5.79 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VN064630.D

Acq: 13 Nov 2020 14:36

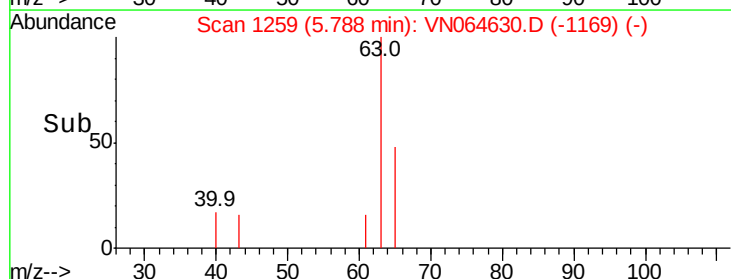
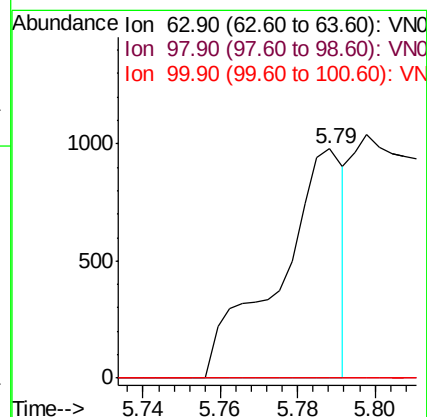
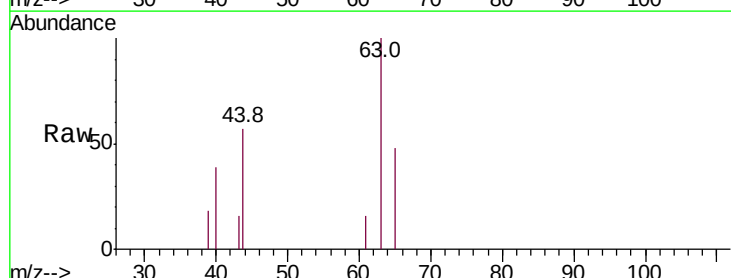
Tgt Ion: 63 Resp: 1147

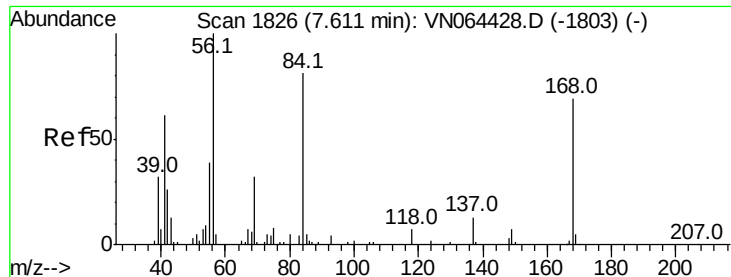
Ion Ratio Lower Upper

63 100

98 0.0 3.0 9.2#

100 0.0 1.8 5.3#

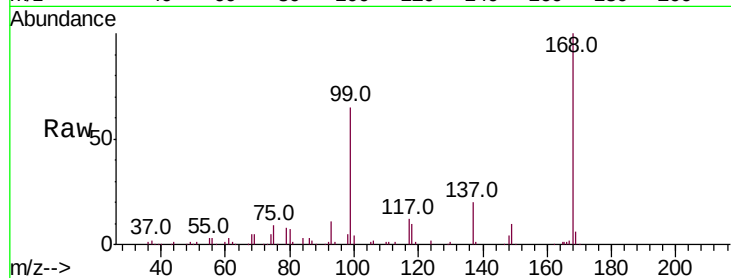




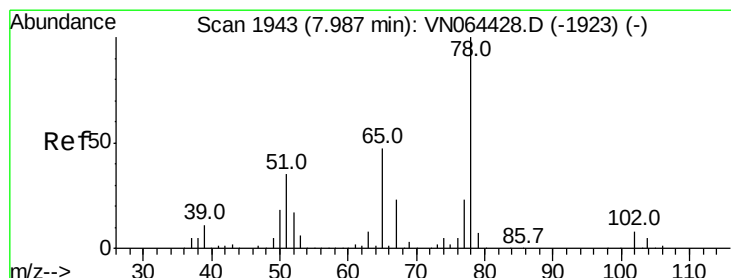
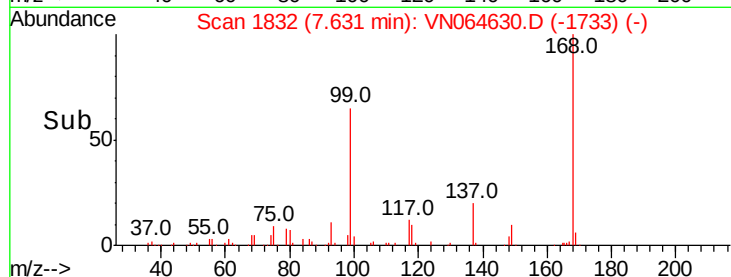
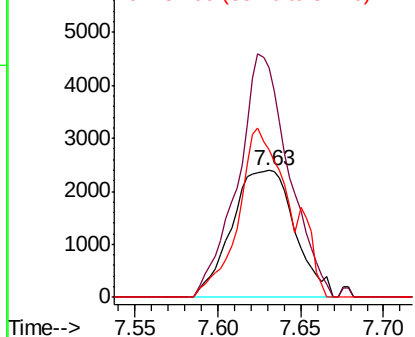
#31
Cyclohexane
Concen: 1.359 ug/l
RT: 7.63 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN064630.D
Acq: 13 Nov 2020 14:36

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-578-580

Tot Ion: 56 Resp: 6351
Ion Ratio Lower Upper
56 100
69 180.8 25.6 38.4#
84 116.3 63.0 94.6#

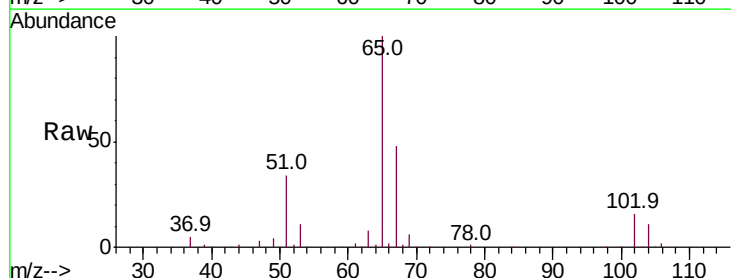


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

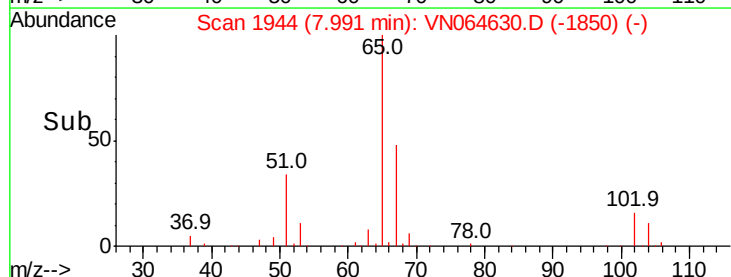
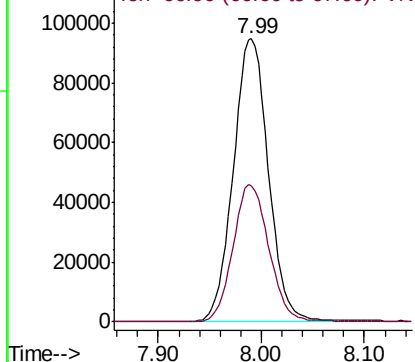


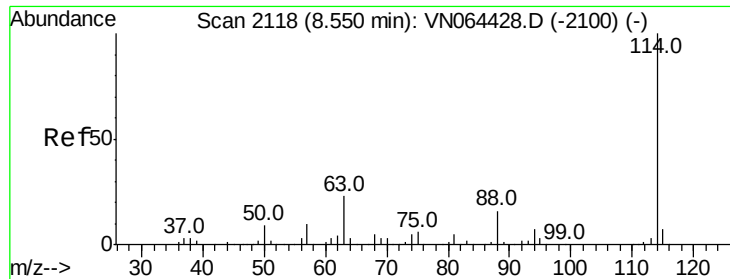
#33
1,2-Dichloroethane-d4
Concen: 58.350 ug/l
RT: 7.99 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN064630.D
Acq: 13 Nov 2020 14:36

Tgt Ion: 65 Resp: 224392
Ion Ratio Lower Upper
65 100
67 49.7 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC

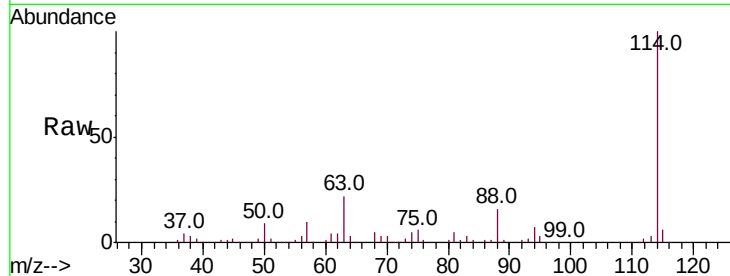




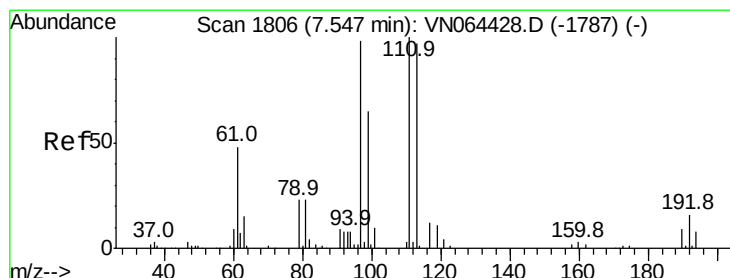
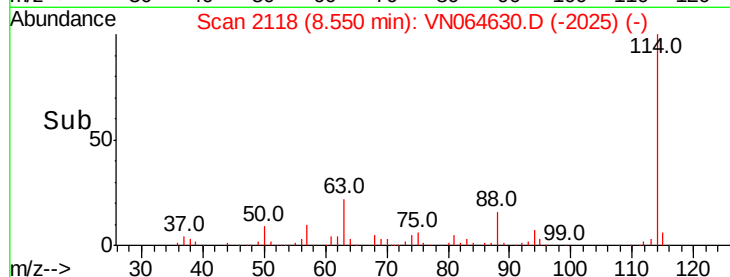
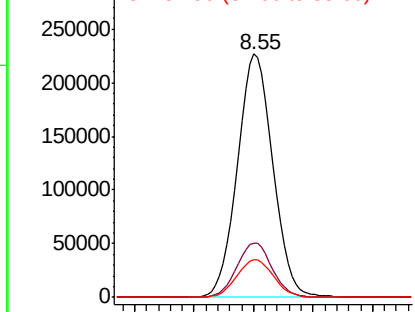
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN064630.D
Acq: 13 Nov 2020 14:36

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-578-580

Tot Ion:114 Resp: 467645
Ion Ratio Lower Upper
114 100
63 22.5 0.0 45.6
88 15.5 0.0 32.8

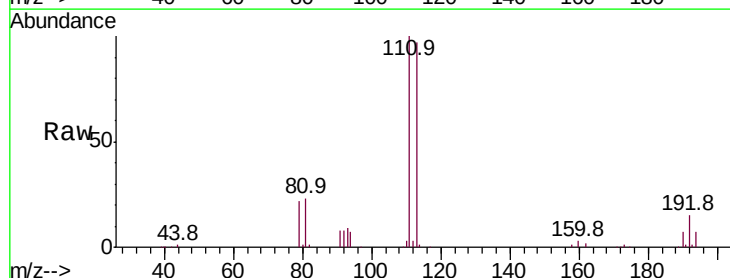


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

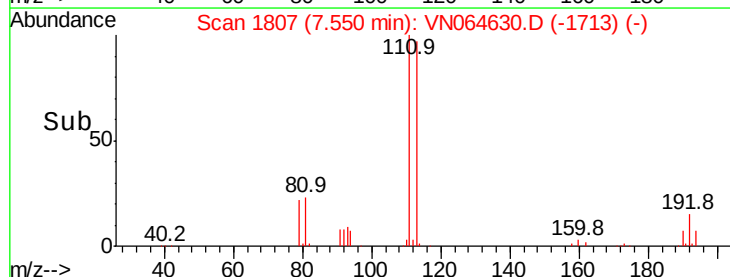
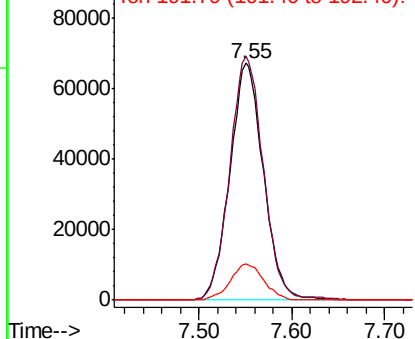


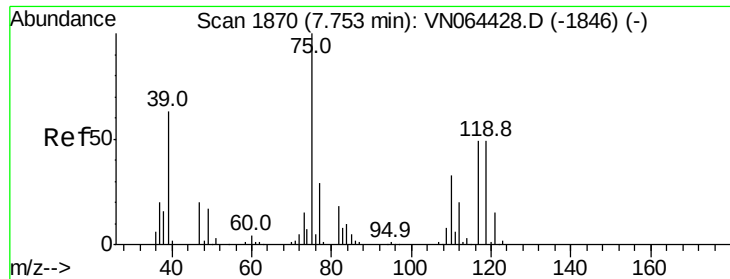
#35
Dibromofluoromethane
Concen: 52.992 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064630.D
Acq: 13 Nov 2020 14:36

Tgt Ion:113 Resp: 168727
Ion Ratio Lower Upper
113 100
111 102.9 81.1 121.7
192 15.2 12.8 19.2



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: 4.342 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN064630.D

Acq: 13 Nov 2020 14:36

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-578-580

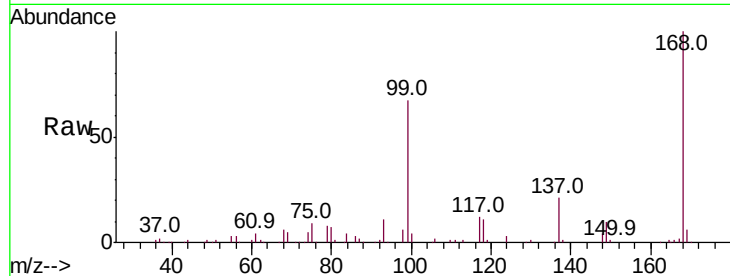
Tot Ion: 75 Resp: 21453

Ion Ratio Lower Upper

75 100

110 8.4 16.0 48.0#

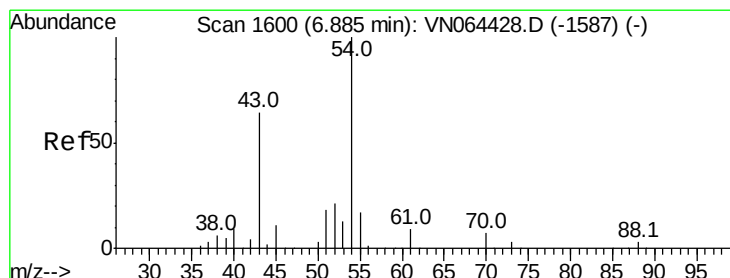
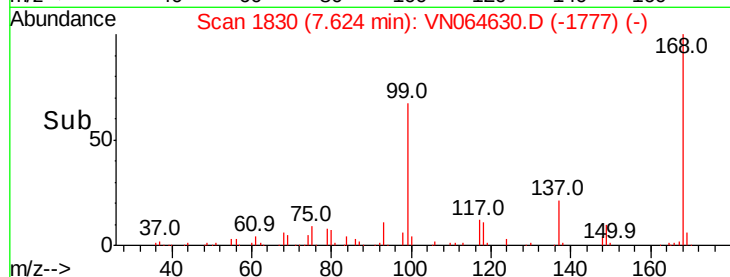
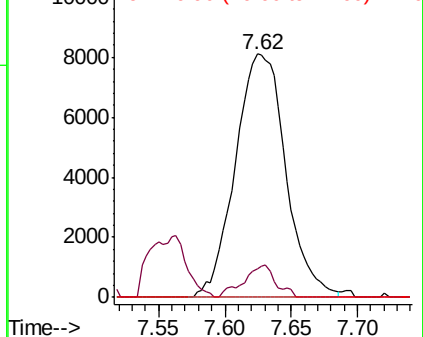
77 0.0 24.0 36.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#37

Ethyl Acetate

Concen: 0.784 ug/l

RT: 6.90 min Scan# 1606

Delta R.T. 0.02 min

Lab File: VN064630.D

Acq: 13 Nov 2020 14:36

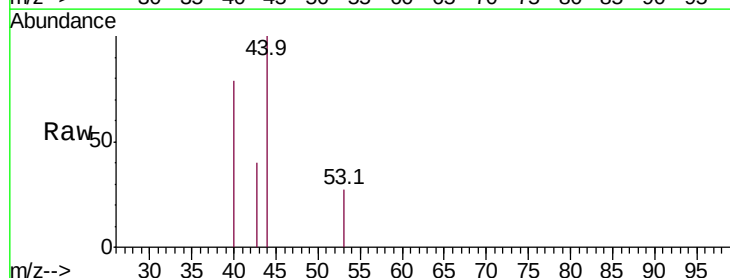
Tgt Ion: 43 Resp: 109

Ion Ratio Lower Upper

43 100

61 0.0 10.0 15.0#

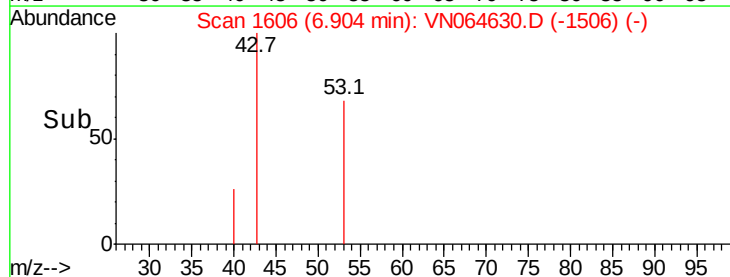
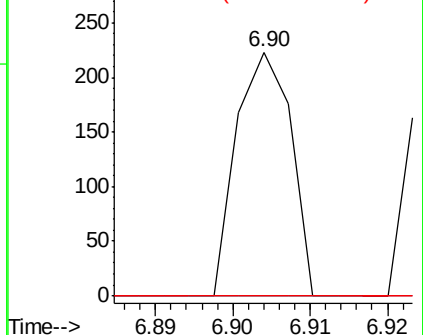
70 0.0 7.1 10.7#

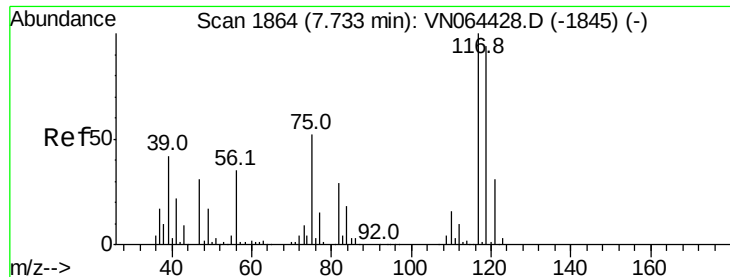


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0





#38

Carbon Tetrachloride

Concen: 4.938 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN064630.D

Acq: 13 Nov 2020 14:36

Instrument :

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ClientSampleId :

BP-VPB178-GW-578-580

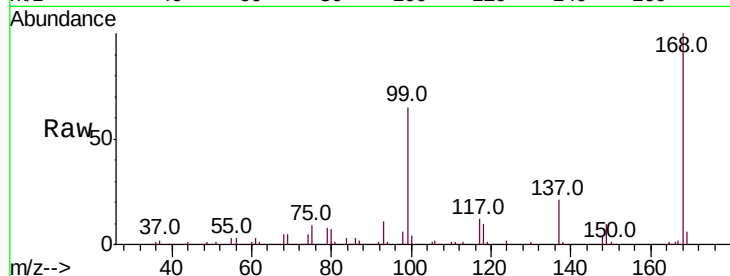
Tot Ion:117 Resp: 26073

Ion Ratio Lower Upper

117 100

119 4.9 75.5 113.3#

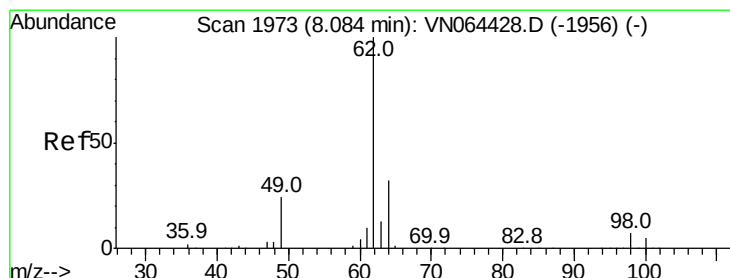
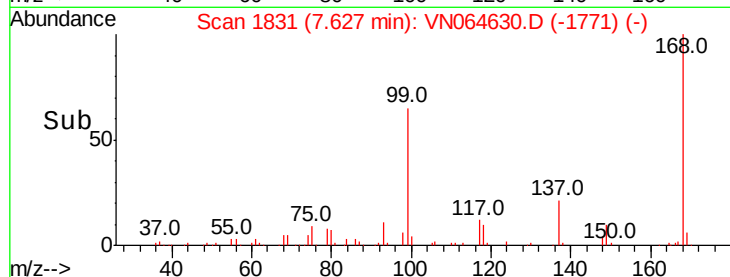
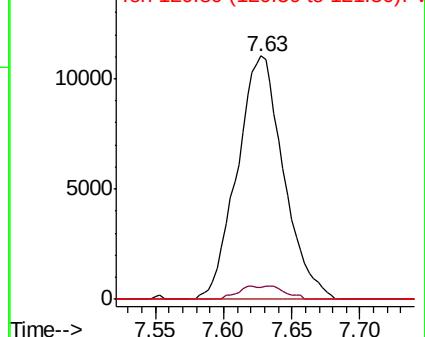
121 0.0 24.4 36.6#



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



#42

1,2-Dichloroethane

Concen: 0.486 ug/l

RT: 8.09 min Scan# 1975

Delta R.T. 0.01 min

Lab File: VN064630.D

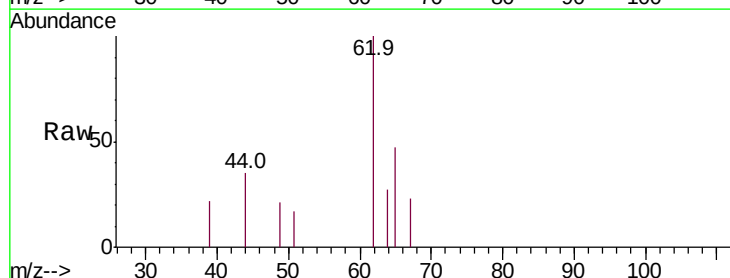
Acq: 13 Nov 2020 14:36

Tgt Ion: 62 Resp: 2845

Ion Ratio Lower Upper

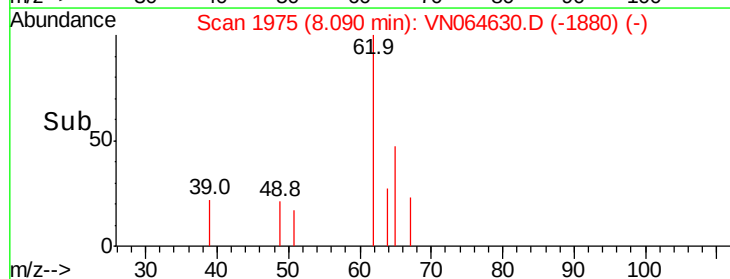
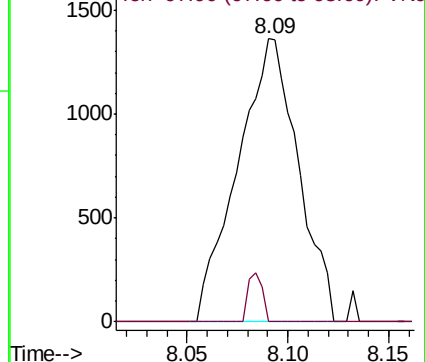
62 100

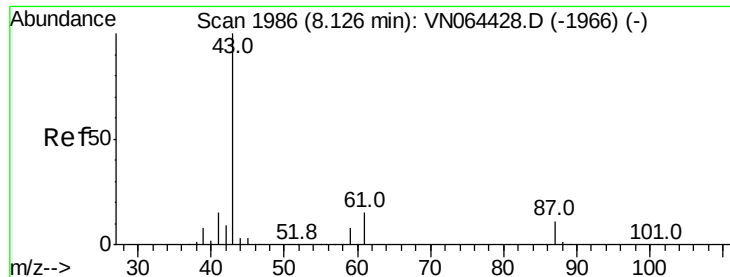
98 4.1 0.0 14.0



Abundance Ion 61.90 (61.60 to 62.60): V

Ion 97.90 (97.60 to 98.60): V





#43

Isopropyl Acetate

Concen: 0.903 ug/l

RT: 8.22 min Scan# 2014

Delta R.T. 0.09 min

Lab File: VN064630.D

Acq: 13 Nov 2020 14:36

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-578-580

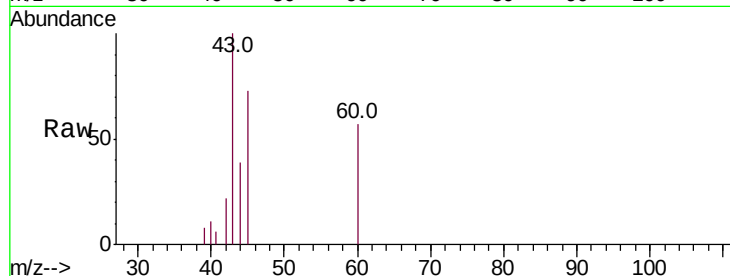
Tot Ion: 43 Resp: 7230

Ion Ratio Lower Upper

43 100

61 0.0 14.0 21.0#

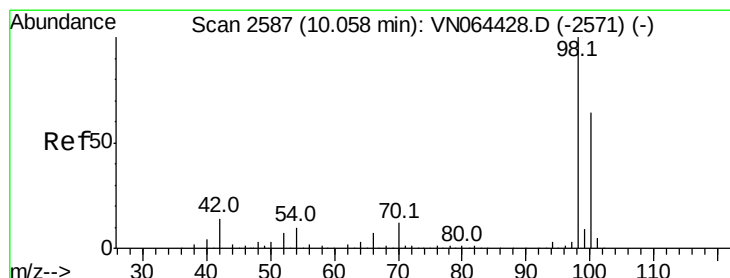
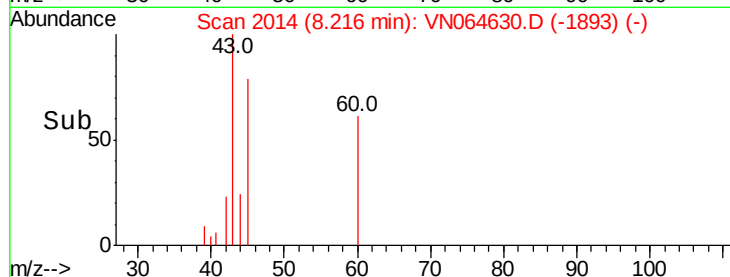
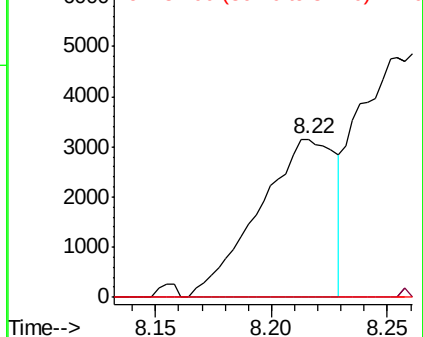
87 0.0 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 47.773 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064630.D

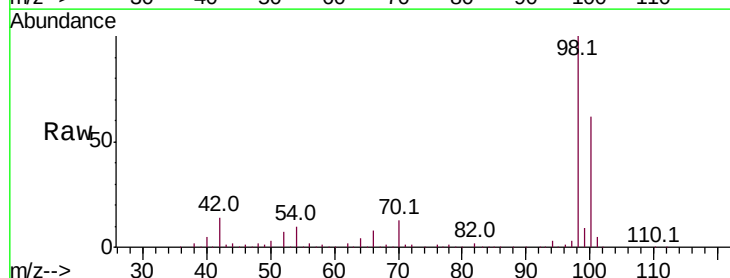
Acq: 13 Nov 2020 14:36

Tgt Ion: 98 Resp: 587912

Ion Ratio Lower Upper

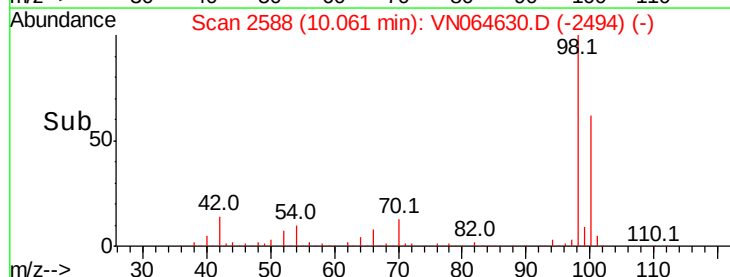
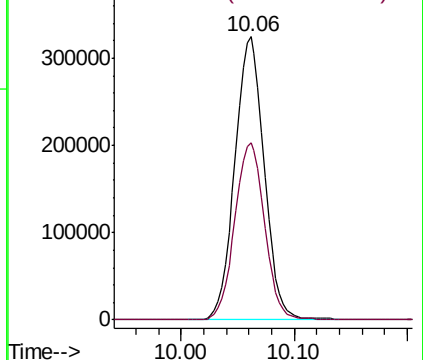
98 100

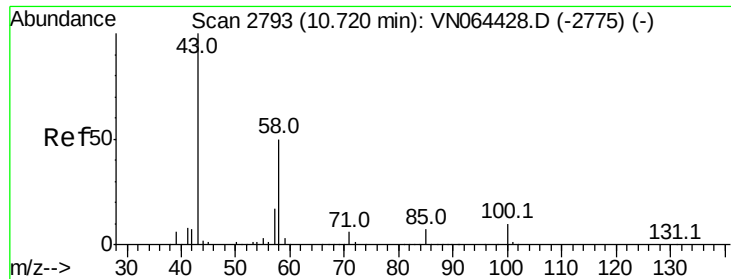
100 63.4 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#59

2-Hexanone

Concen: 4.066 ug/l

RT: 10.72 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN064630.D

Acq: 13 Nov 2020 14:36

Instrument :

MSVOA_N

ClientSampleId :

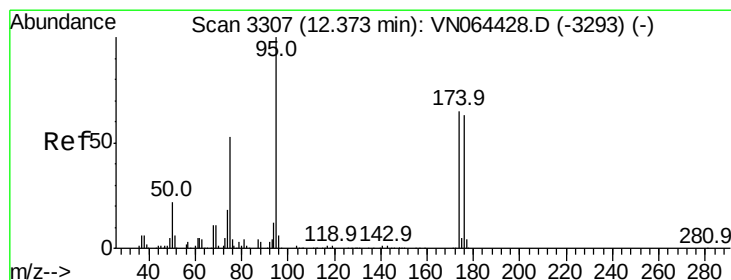
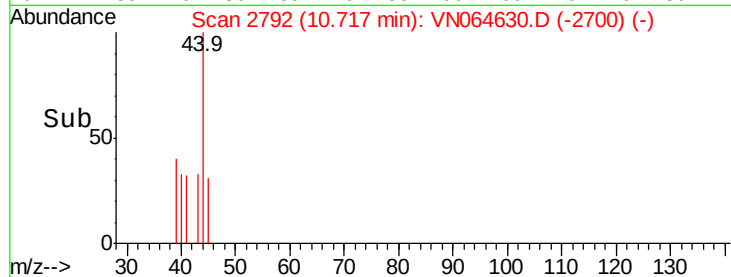
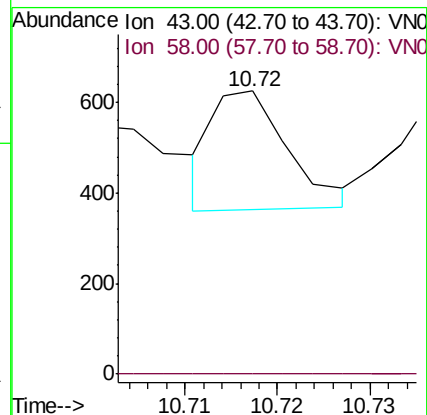
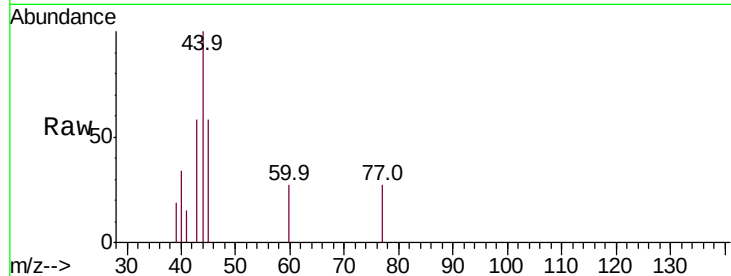
BP-VPB178-GW-578-580

Tot Ion: 43 Resp: 147

Ion Ratio Lower Upper

43 100

58 0.0 24.7 74.1#



#62

4-Bromofluorobenzene

Concen: 47.366 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064630.D

Acq: 13 Nov 2020 14:36

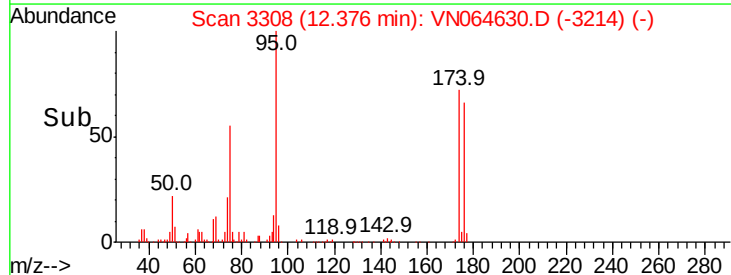
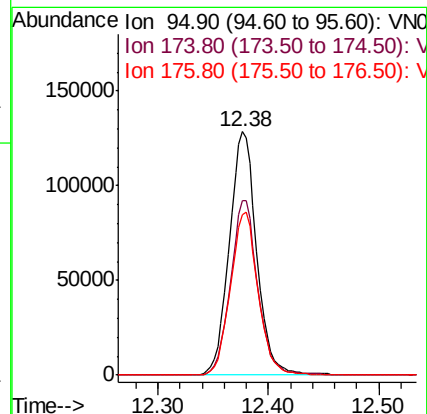
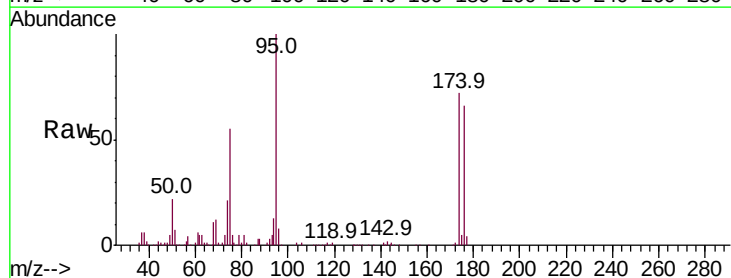
Tgt Ion: 95 Resp: 220446

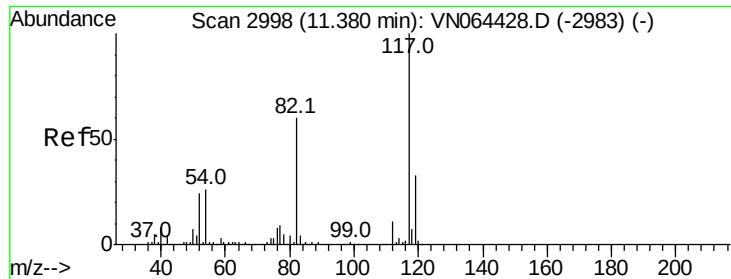
Ion Ratio Lower Upper

95 100

174 71.8 0.0 132.6

176 67.6 0.0 129.2

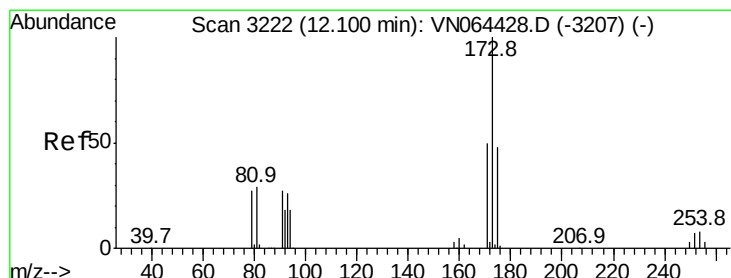
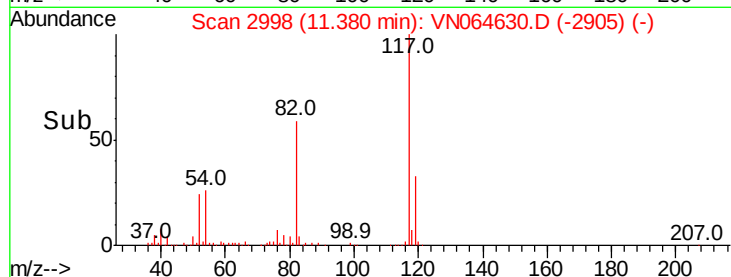
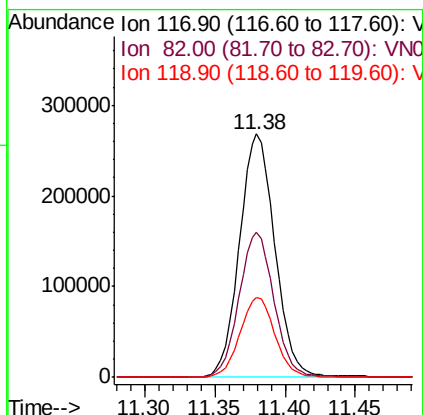
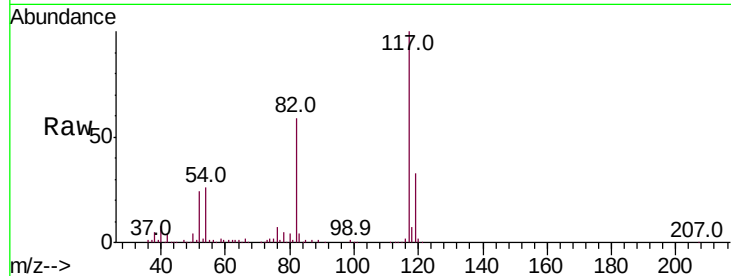




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064630.D
Acq: 13 Nov 2020 14:36

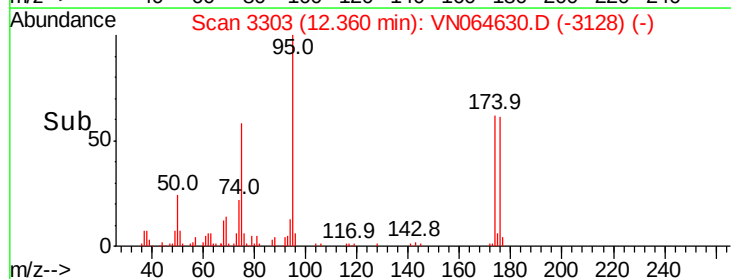
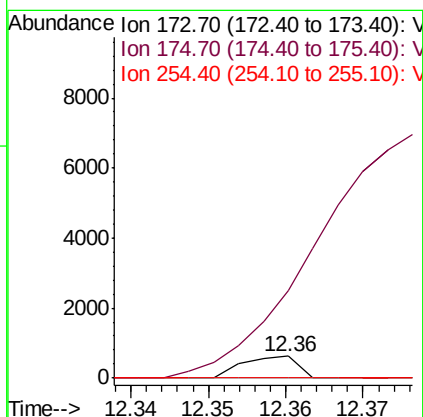
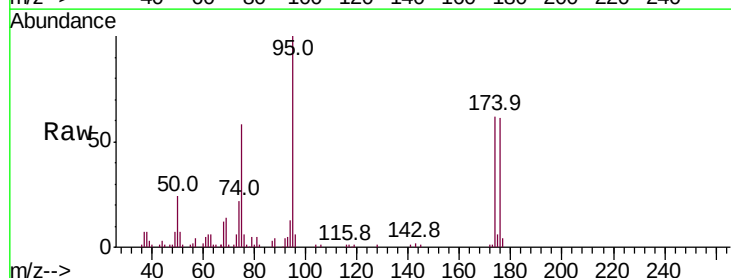
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-578-580

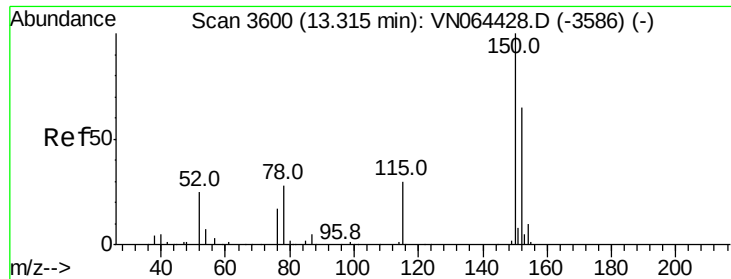
Tot Ion:117 Resp: 472439
Ion Ratio Lower Upper
117 100
82 59.4 48.1 72.1
119 33.0 26.2 39.4



#71
Bromoform
Concen: 1.380 ug/l
RT: 12.36 min Scan# 3303
Delta R.T. 0.26 min
Lab File: VN064630.D
Acq: 13 Nov 2020 14:36

Tgt Ion:173 Resp: 312
Ion Ratio Lower Upper
173 100
175 0.0 23.7 71.1#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064630.D

Acq: 13 Nov 2020 14:36

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-578-580

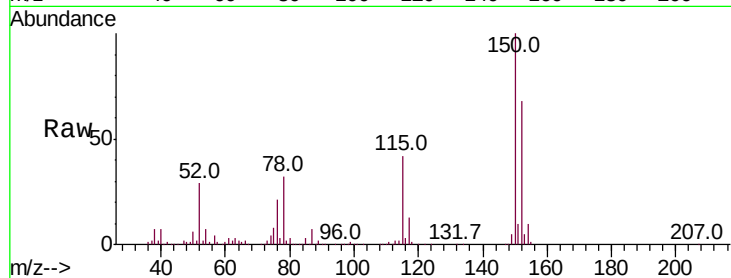
Tot Ion:152 Resp: 179930

Ion Ratio Lower Upper

152 100

115 63.3 32.0 96.0

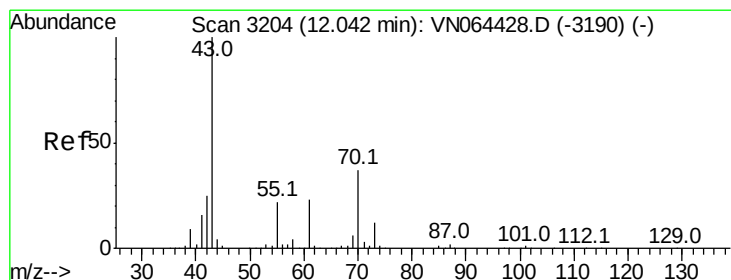
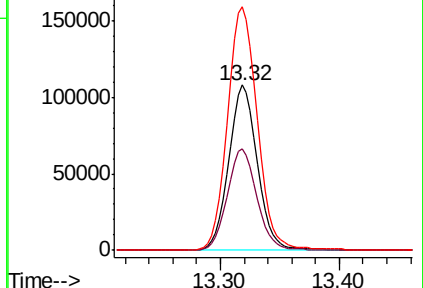
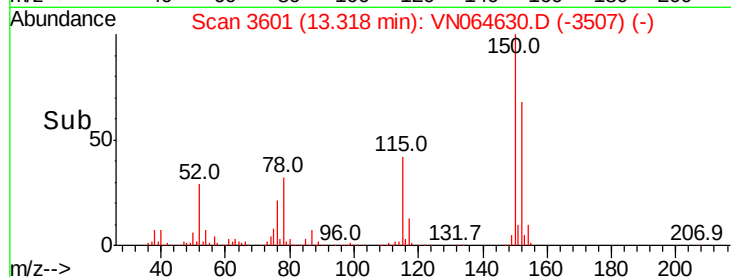
150 153.5 0.0 353.8



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



#74

N-amil acetate

Concen: 1.281 ug/l

RT: 12.03 min Scan# 3201

Delta R.T. -0.01 min

Lab File: VN064630.D

Acq: 13 Nov 2020 14:36

Tgt Ion: 43 Resp: 473

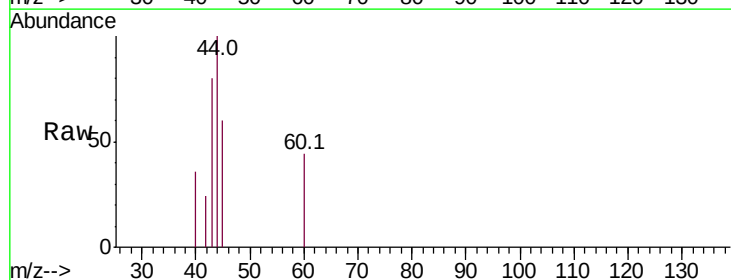
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 0.0 18.4 27.6#

61 0.0 17.8 26.6#

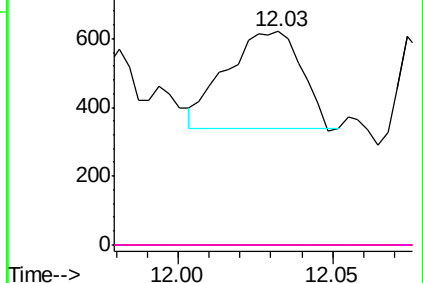
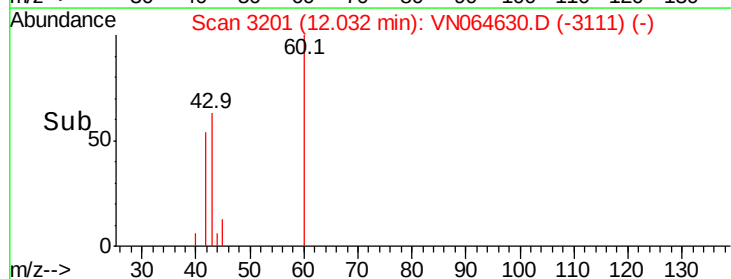


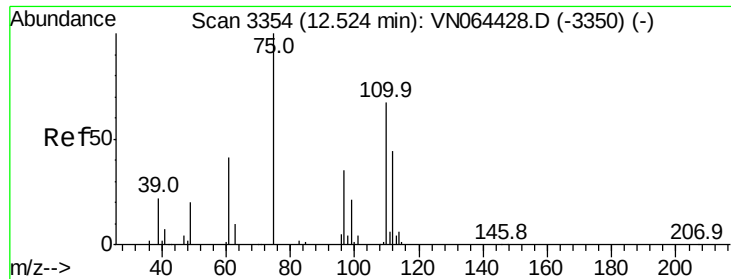
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

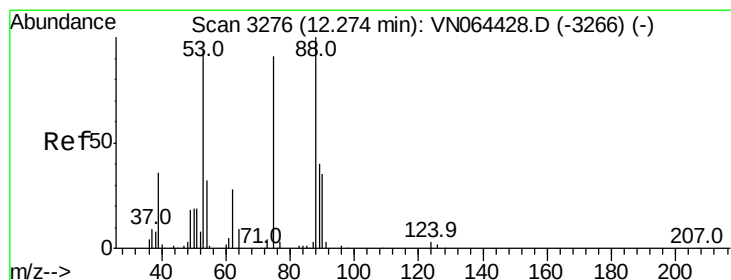
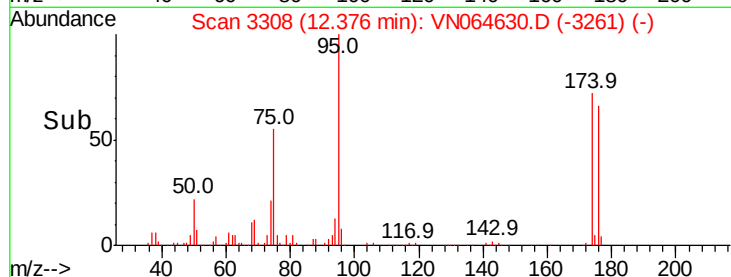
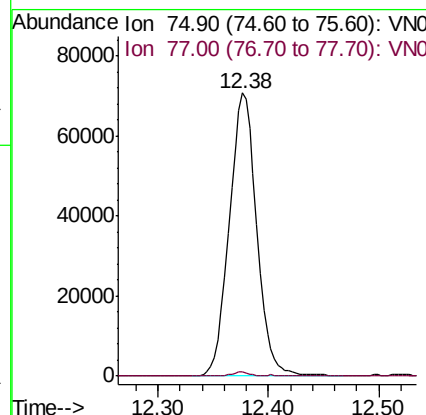
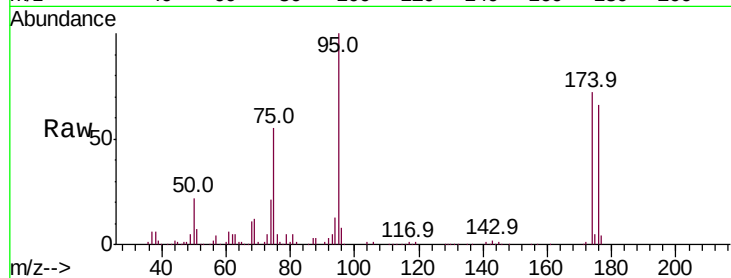




#76
 1,2,3-Trichloropropane
 Concen: 28.024 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.15 min
 Lab File: VN064630.D
 Acq: 13 Nov 2020 14:36

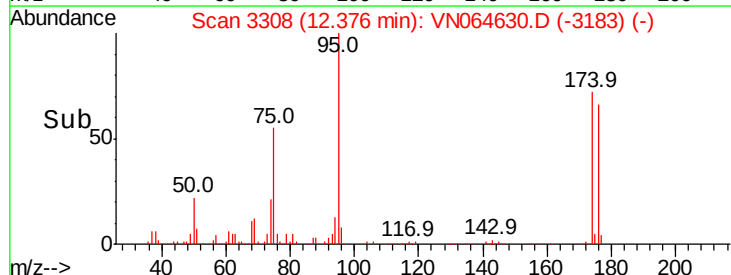
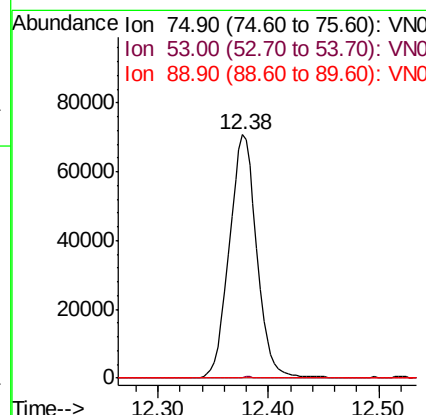
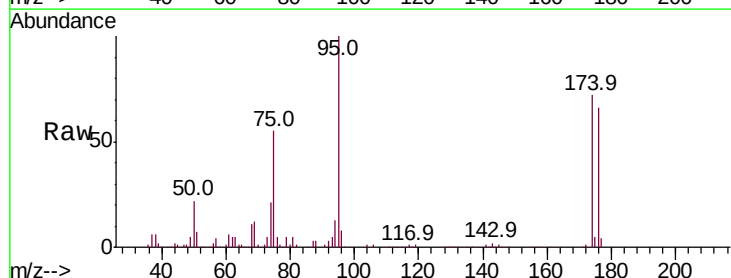
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-578-580

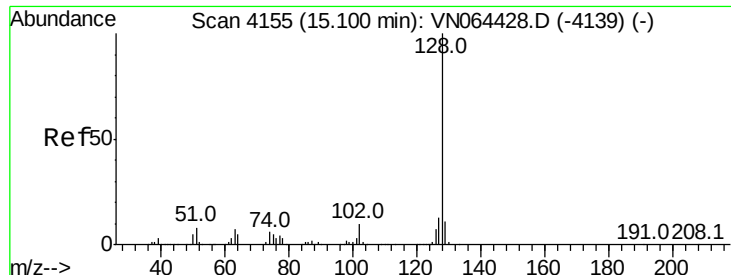
Tot Ion: 75 Resp: 122173
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.247 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN064630.D
 Acq: 13 Nov 2020 14:36

Tgt Ion: 75 Resp: 122173
 Ion Ratio Lower Upper
 75 100
 53 0.3 84.0 126.0#
 89 0.0 36.3 54.5#





#95
Naphthalene
Concen: 3.636 ug/l
RT: 15.12 min Scan# 4161
Delta R.T. 0.02 min
Lab File: VN064630.D
Acq: 13 Nov 2020 14:36

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-578-580

Tot Ion:128 Resp: 144
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.8 13.2#

