

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111320\
 Data File : VN064633.D
 Acq On : 13 Nov 2020 15:49
 Operator : JC/MD
 Sample : L4747-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-638-640

Quant Time: Nov 17 01:57:58 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	216525	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	471358	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	472142	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	170582	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	224978	59.65	ug/l	0.00
Spiked Amount			Recovery	=	119.30%	
35) Dibromofluoromethane	7.55	113	163941	51.08	ug/l	0.00
Spiked Amount			Recovery	=	102.16%	
50) Toluene-d8	10.06	98	592124	47.74	ug/l	0.00
Spiked Amount			Recovery	=	95.48%	
62) 4-Bromofluorobenzene	12.38	95	214443	45.71	ug/l	0.00
Spiked Amount			Recovery	=	91.42%	

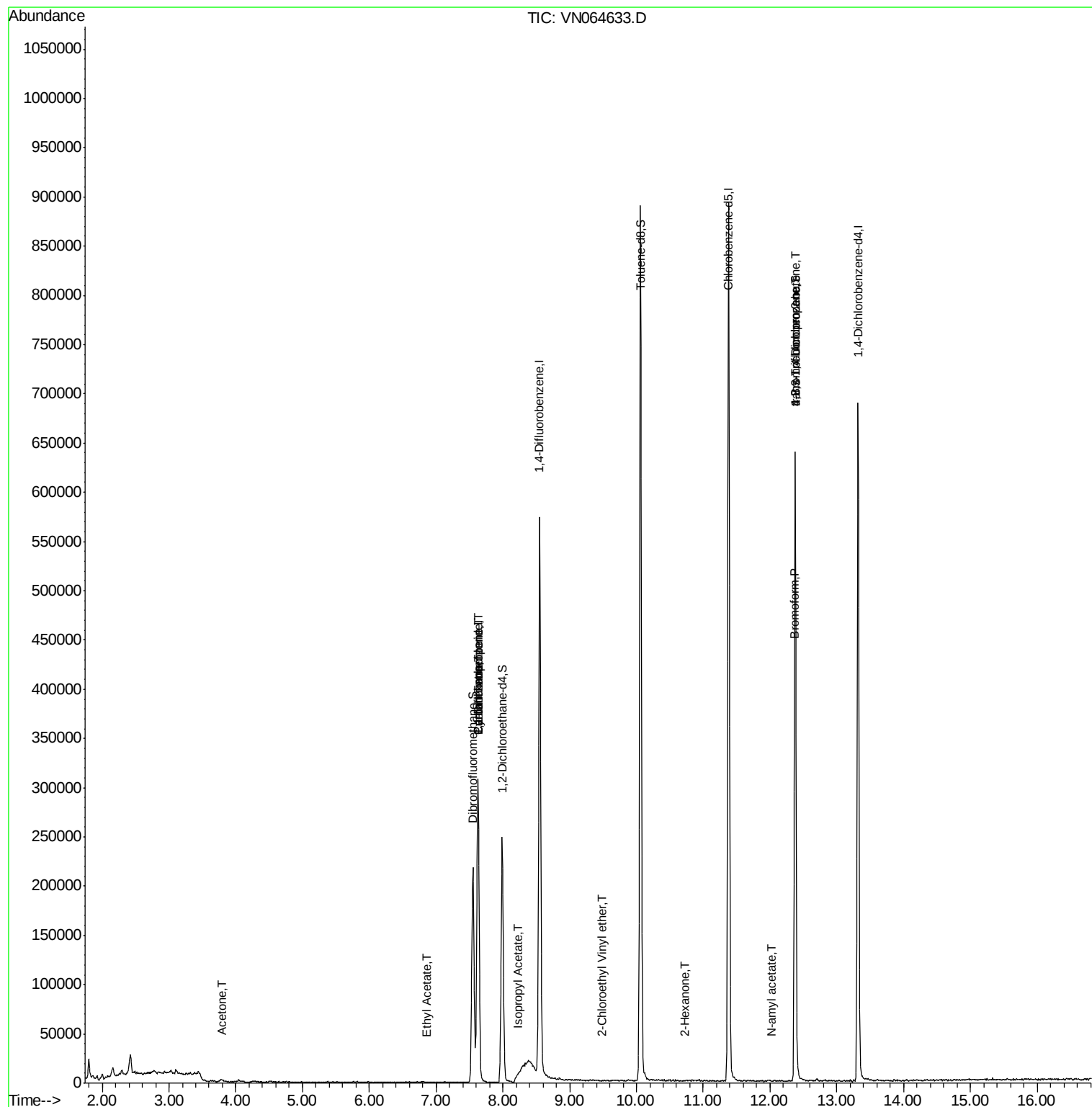
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	3264	2.272	ug/l	96
31) Cyclohexane	7.63	56	6377	1.391	ug/l #	19
36) 1,1-Dichloropropene	7.63	75	20500	4.117	ug/l #	52
37) Ethyl Acetate	6.87	43	100	0.782	ug/l #	71
38) Carbon Tetrachloride	7.63	117	25557	4.802	ug/l #	17
43) Isopropyl Acetate	8.23	43	8190	1.015	ug/l #	64
58) 2-Chloroethyl Vinyl ether	9.48	63	29	21.548	ug/l #	51
59) 2-Hexanone	10.72	43	63	4.044	ug/l #	28
71) Bromoform	12.36	173	175	1.334	ug/l #	29
74) N-amyl acetate	12.03	43	162	1.238	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	121383	29.369	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	121383	82.001	ug/l #	8

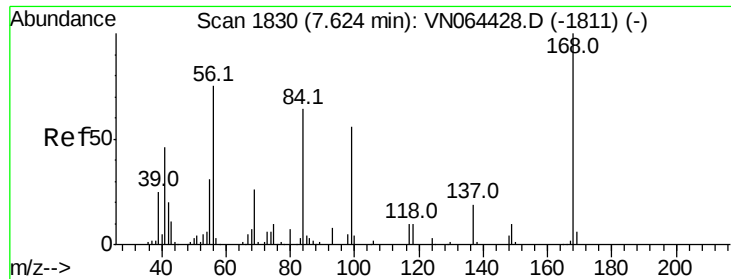
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1831

Delta R.T. 0.00 min

Lab File: VN064633.D

Acq: 13 Nov 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

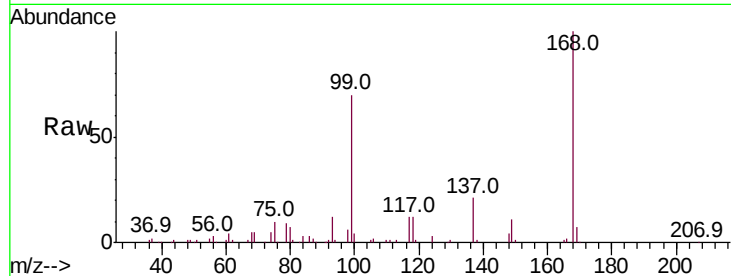
BP-VPB178-GW-638-640

Tot Ion:168 Resp: 216525

Ion Ratio Lower Upper

168 100

99 69.9 53.4 80.2

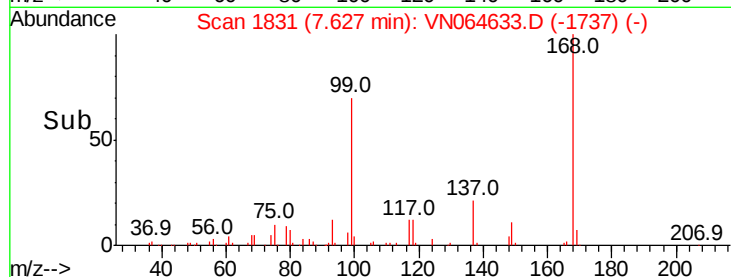


Abundance Ion 167.90 (167.60 to 168.60): VN064428.D (-1811) (-)

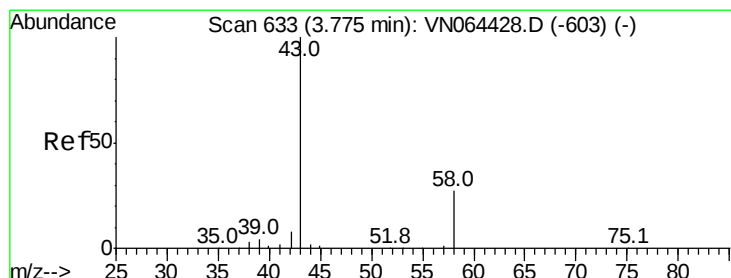
Ion 98.90 (98.60 to 99.60): VN064428.D (-1811) (-)

7.63

Time-->



Time-->



#16

Acetone

Concen: 2.272 ug/l

RT: 3.79 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN064633.D

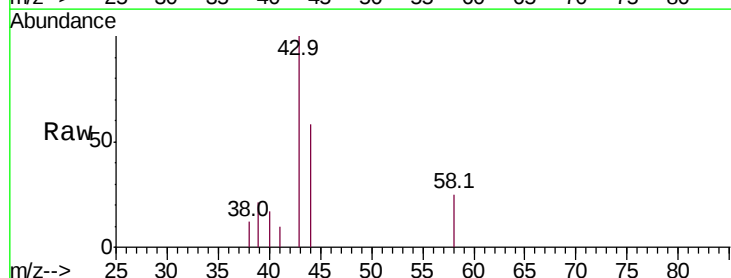
Acq: 13 Nov 2020 15:49

Tgt Ion: 43 Resp: 3264

Ion Ratio Lower Upper

43 100

58 24.7 21.4 32.0

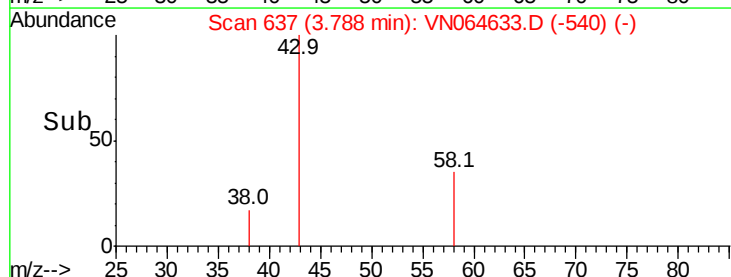


Abundance Ion 43.00 (42.70 to 43.70): VN064428.D (-603) (-)

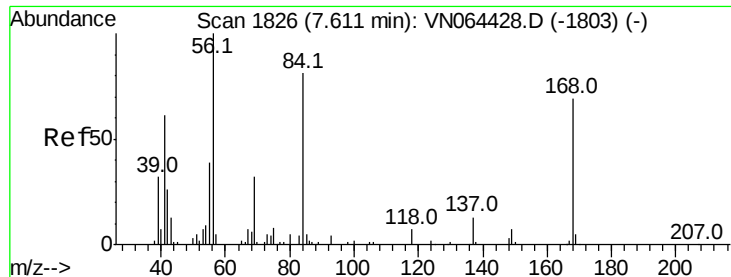
Ion 58.00 (57.70 to 58.70): VN064428.D (-603) (-)

3.79

Time-->



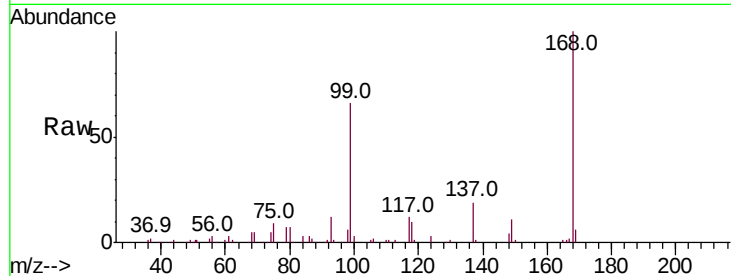
Time-->



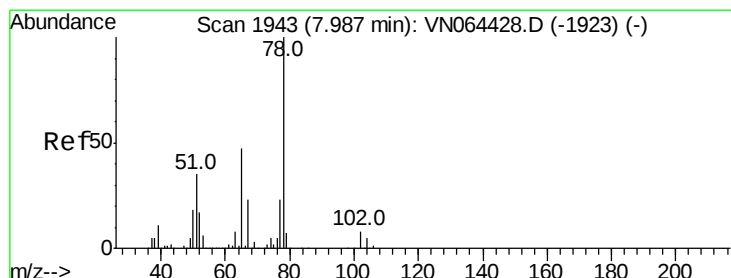
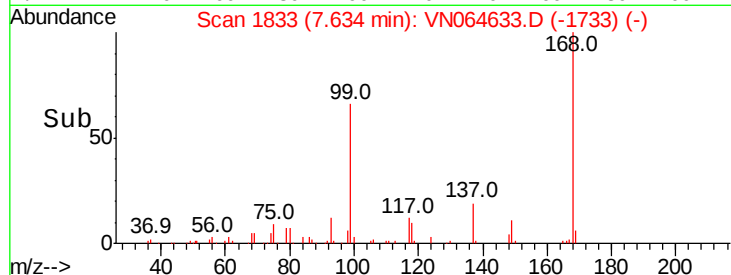
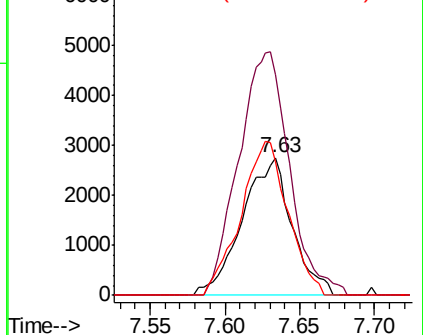
#31
Cyclohexane
Concen: 1.391 ug/l
RT: 7.63 min Scan# 1833
Delta R.T. 0.02 min
Lab File: VN064633.D
Acq: 13 Nov 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-638-640

Tot Ion: 56 Resp: 6377
Ion Ratio Lower Upper
56 100
69 159.9 25.6 38.4#
84 96.6 63.0 94.6#

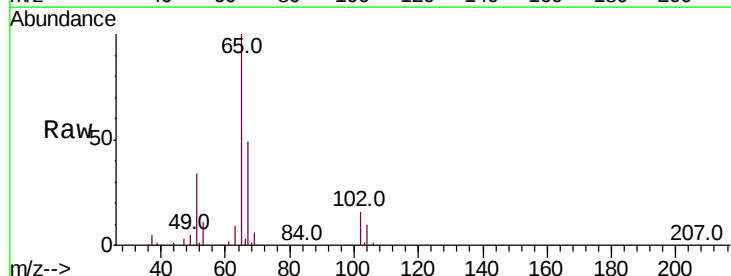


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

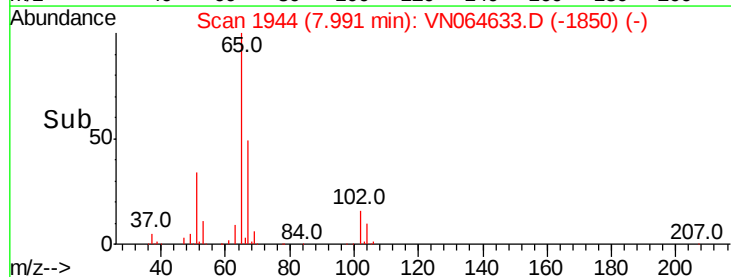
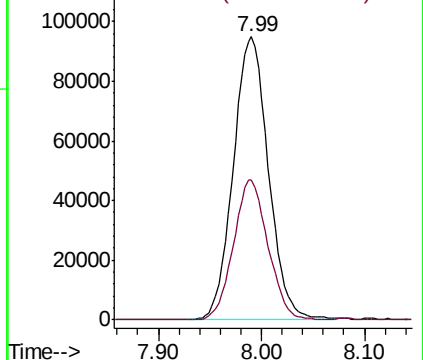


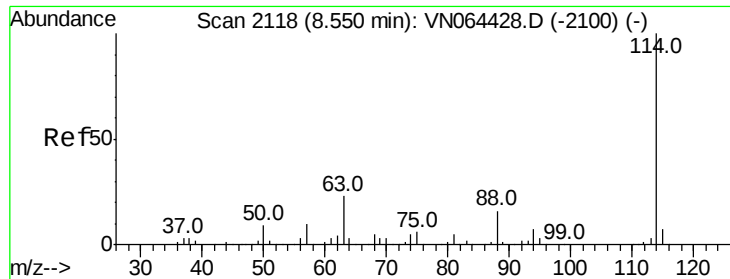
#33
1,2-Dichloroethane-d4
Concen: 59.652 ug/l
RT: 7.99 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN064633.D
Acq: 13 Nov 2020 15:49

Tgt Ion: 65 Resp: 224978
Ion Ratio Lower Upper
65 100
67 48.5 0.0 101.6



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

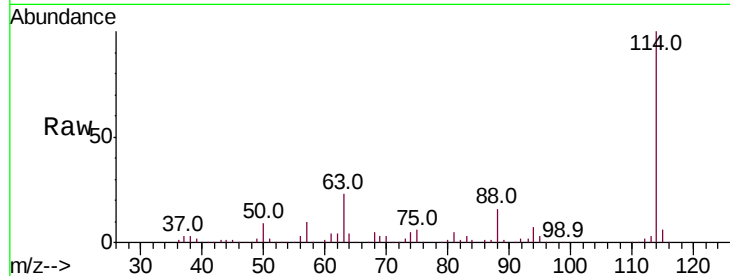




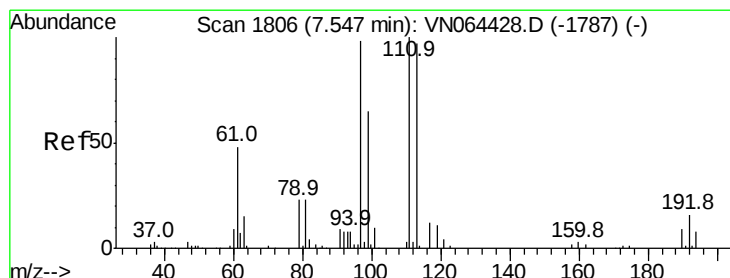
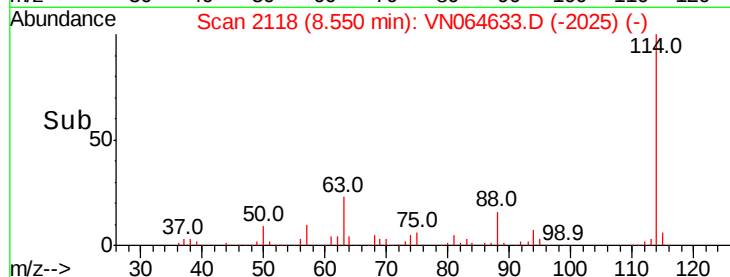
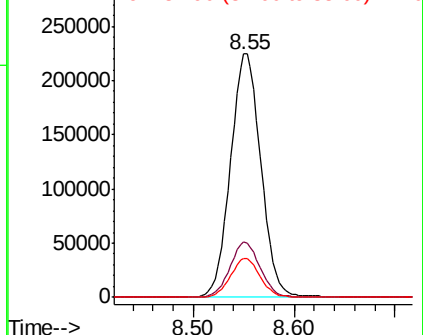
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064633.D
 Acq: 13 Nov 2020 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-638-640

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	45.6
88	16.2	0.0	32.8

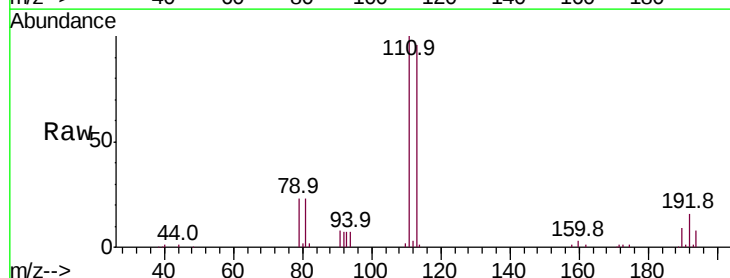


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

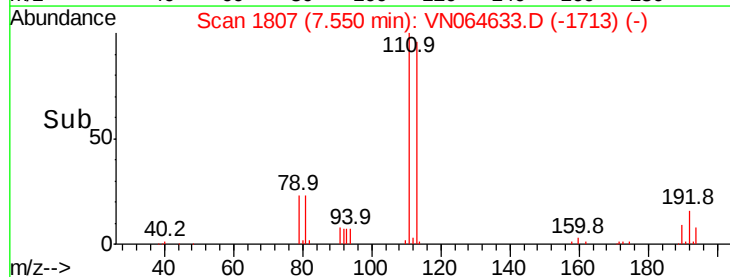
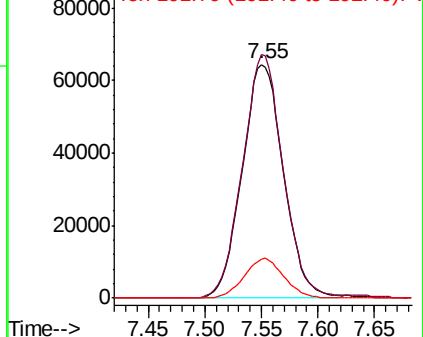


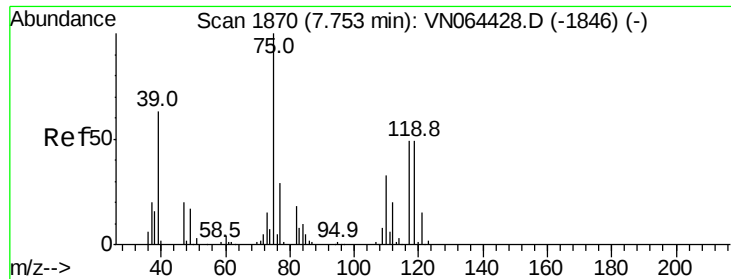
#35
 Dibromofluoromethane
 Concen: 51.083 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064633.D
 Acq: 13 Nov 2020 15:49

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.1	121.7
192	16.2	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: 4.117 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN064633.D

Acq: 13 Nov 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-638-640

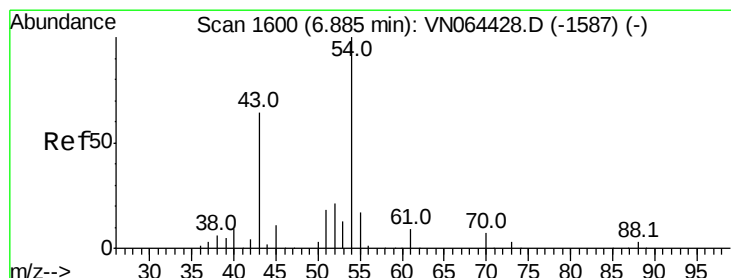
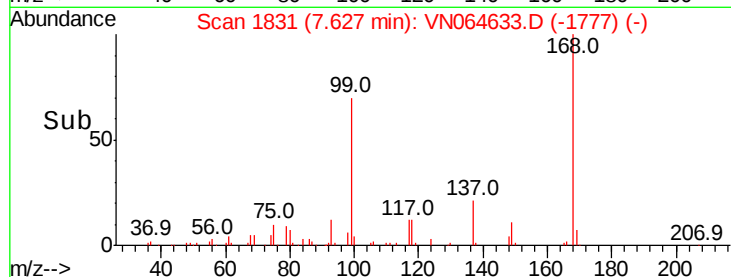
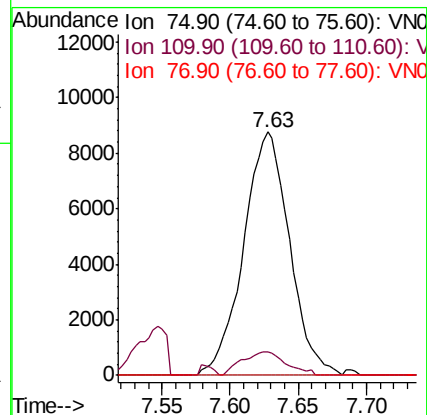
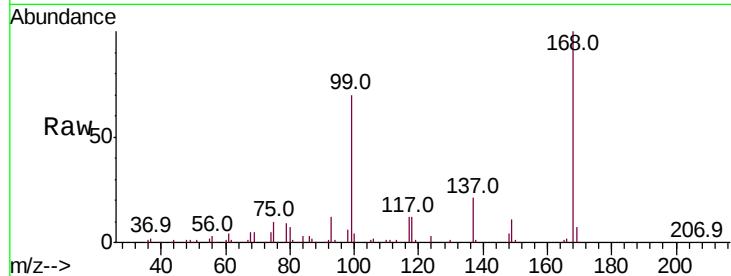
Tot Ion: 75 Resp: 20500

Ion Ratio Lower Upper

75 100

110 9.3 16.0 48.0#

77 0.0 24.0 36.0#



#37

Ethyl Acetate

Concen: 0.782 ug/l

RT: 6.87 min Scan# 1595

Delta R.T. -0.02 min

Lab File: VN064633.D

Acq: 13 Nov 2020 15:49

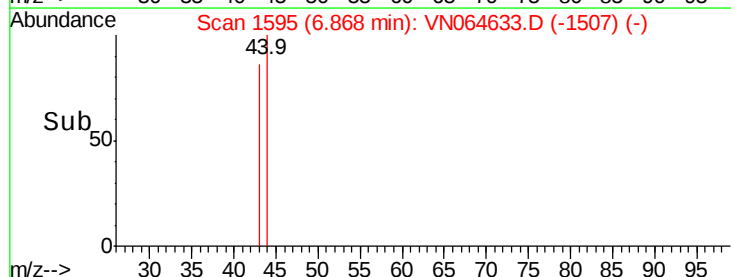
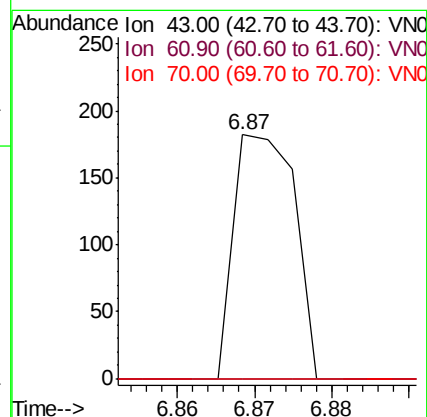
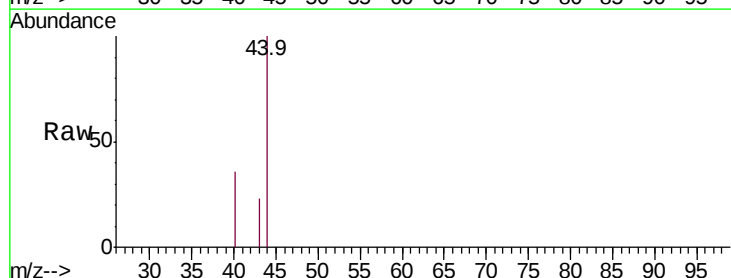
Tgt Ion: 43 Resp: 100

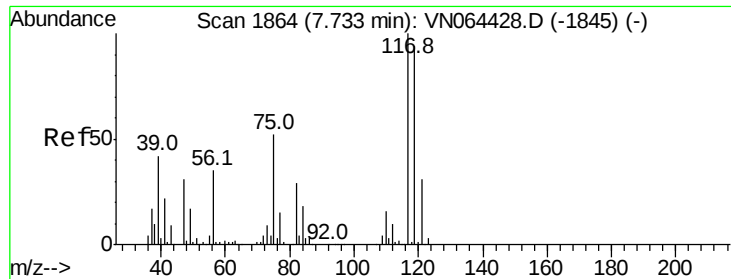
Ion Ratio Lower Upper

43 100

61 0.0 10.0 15.0#

70 0.0 7.1 10.7#





#38

Carbon Tetrachloride

Concen: 4.802 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. -0.10 min

Lab File: VN064633.D

Acq: 13 Nov 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-638-640

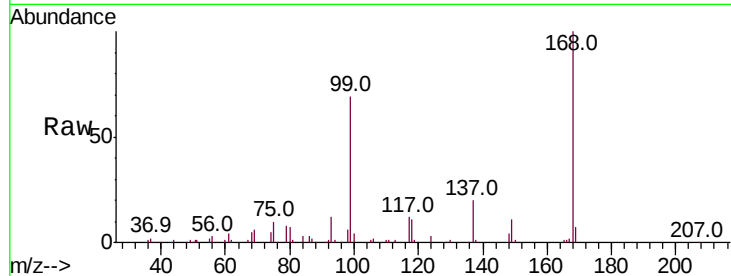
Tot Ion:117 Resp: 25557

Ion Ratio Lower Upper

117 100

119 5.2 75.5 113.3#

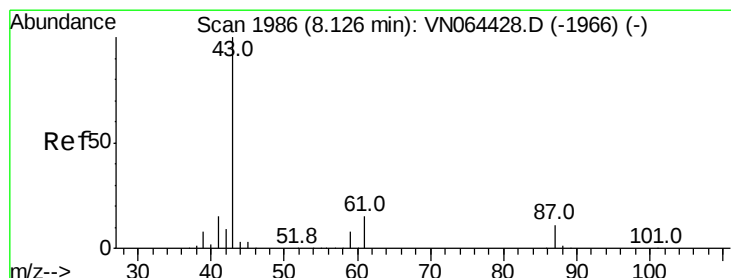
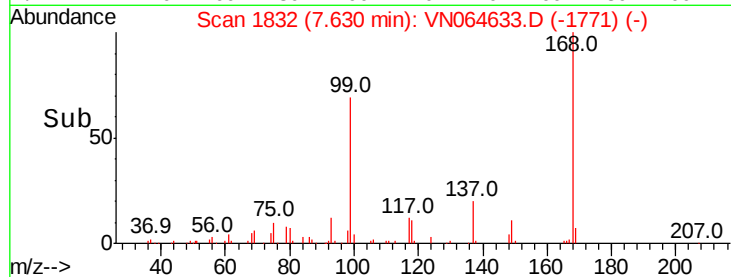
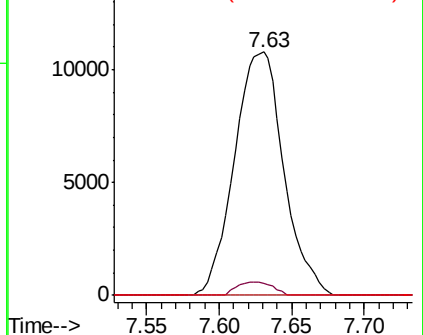
121 0.0 24.4 36.6#



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



#43

Isopropyl Acetate

Concen: 1.015 ug/l

RT: 8.23 min Scan# 2018

Delta R.T. 0.10 min

Lab File: VN064633.D

Acq: 13 Nov 2020 15:49

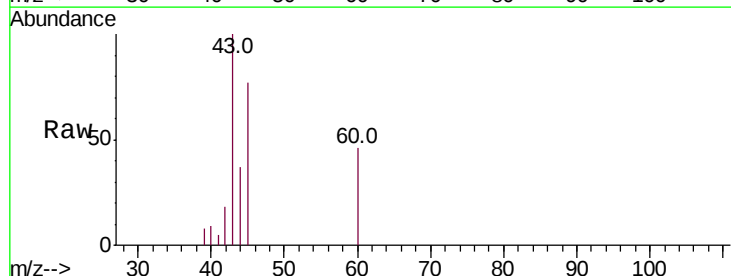
Tgt Ion: 43 Resp: 8190

Ion Ratio Lower Upper

43 100

61 0.0 14.0 21.0#

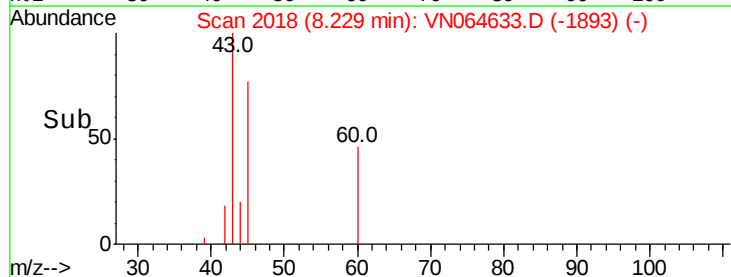
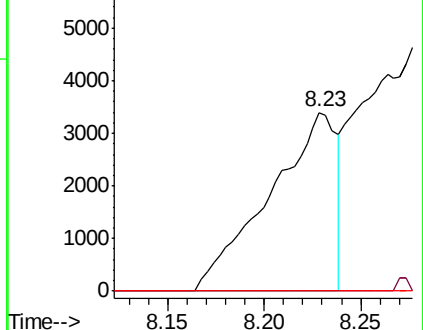
87 0.0 9.1 13.7#

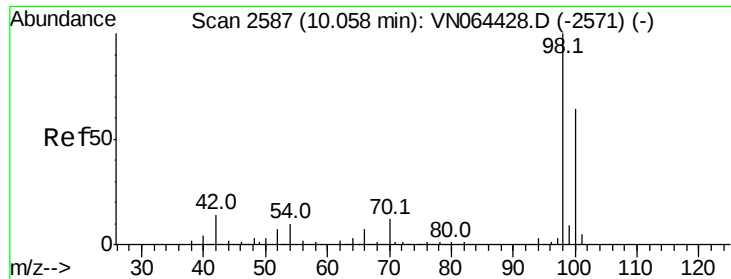


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: 47.737 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064633.D

Acq: 13 Nov 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

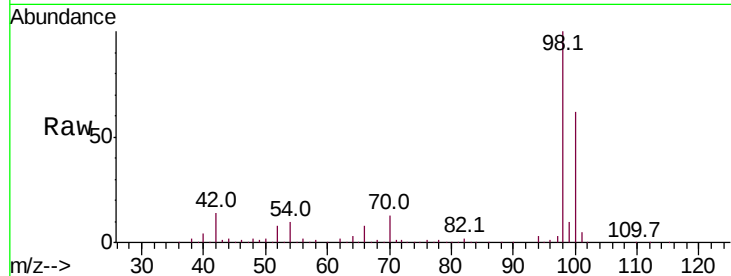
BP-VPB178-GW-638-640

Tot Ion: 98 Resp: 592124

Ion Ratio Lower Upper

98 100

100 62.3 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN064428.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN064428.D (-2571) (-)

10.06

300000

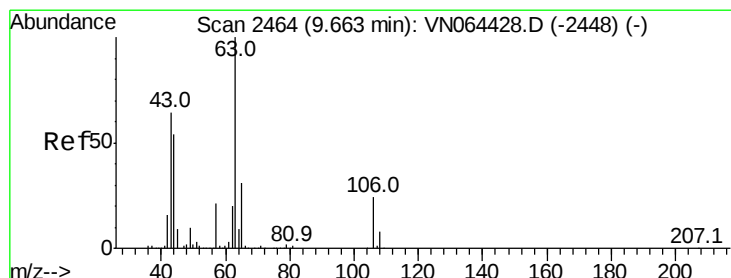
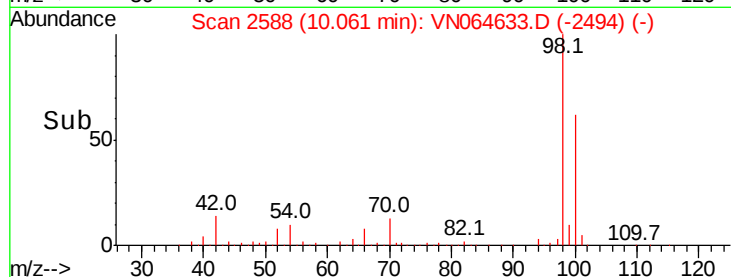
200000

100000

0

10.00 10.10 10.20

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 21.548 ug/l

RT: 9.48 min Scan# 2408

Delta R.T. -0.18 min

Lab File: VN064633.D

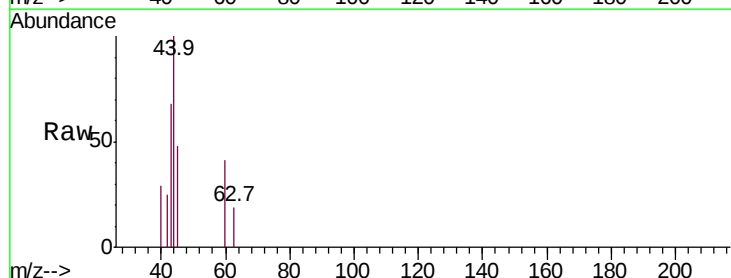
Acq: 13 Nov 2020 15:49

Tgt Ion: 63 Resp: 29

Ion Ratio Lower Upper

63 100

106 0.0 19.5 29.3#



Abundance Ion 62.90 (62.60 to 63.60): VN064428.D (-2448) (-)

Ion 105.90 (105.60 to 106.60): VN064428.D (-2448) (-)

9.48

150

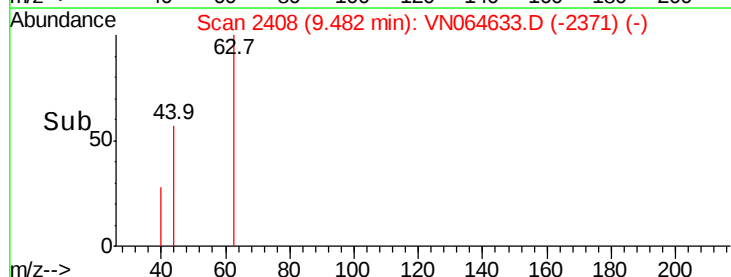
100

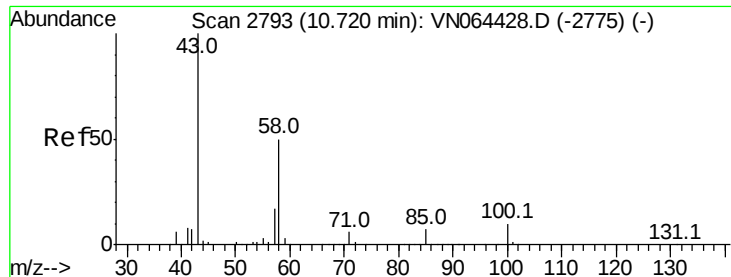
50

0

9.47 9.47 9.48 9.48 9.49

Time-->

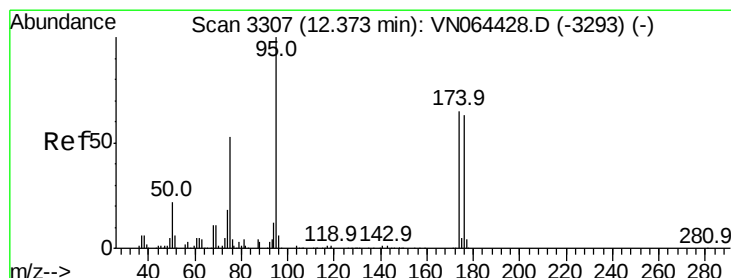
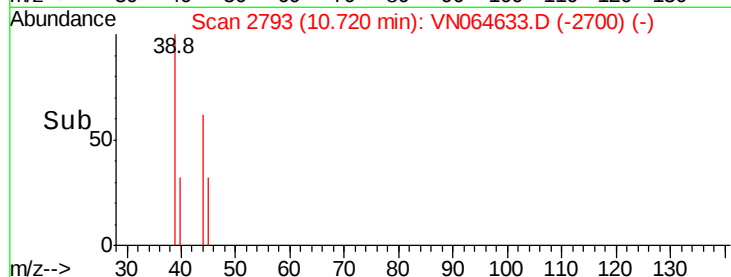
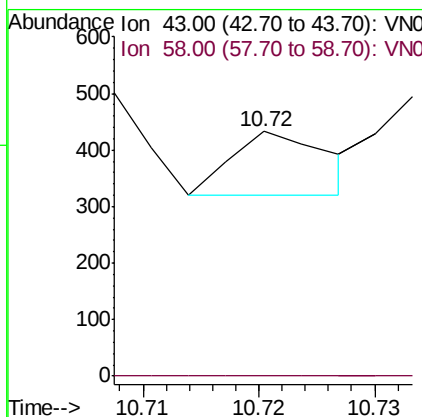
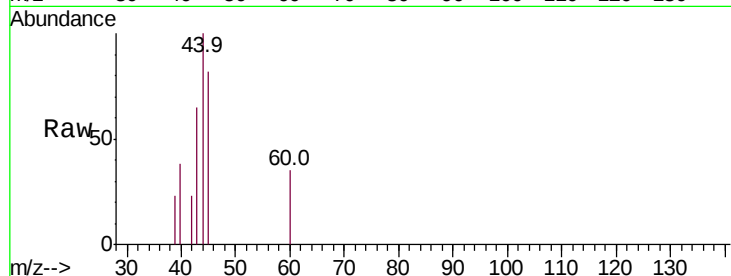




#59
2-Hexanone
Concen: 4.044 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN064633.D
Acq: 13 Nov 2020 15:49

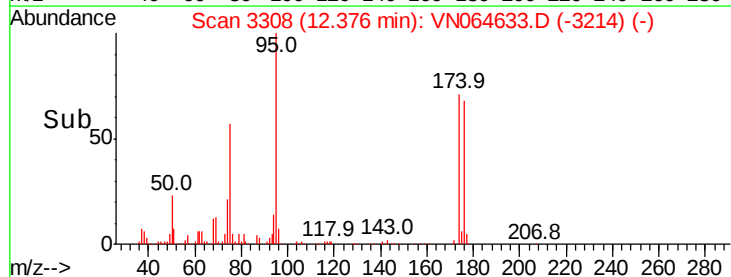
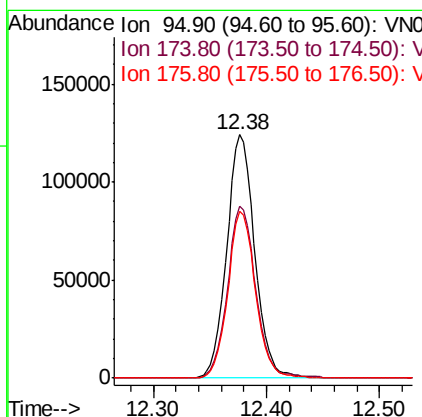
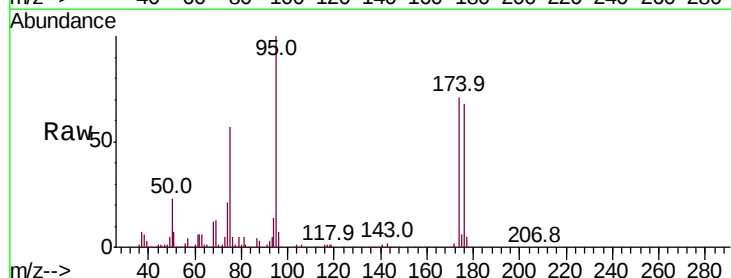
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-638-640

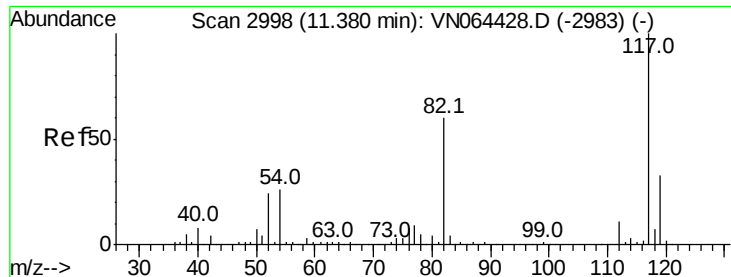
Tot Ion: 43 Resp: 63
Ion Ratio Lower Upper
43 100
58 0.0 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 45.713 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064633.D
Acq: 13 Nov 2020 15:49

Tgt Ion: 95 Resp: 214443
Ion Ratio Lower Upper
95 100
174 70.7 0.0 132.6
176 67.2 0.0 129.2

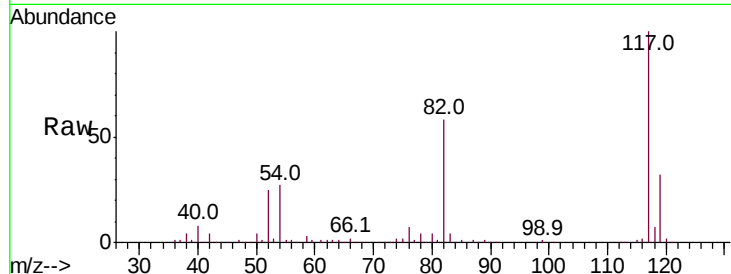




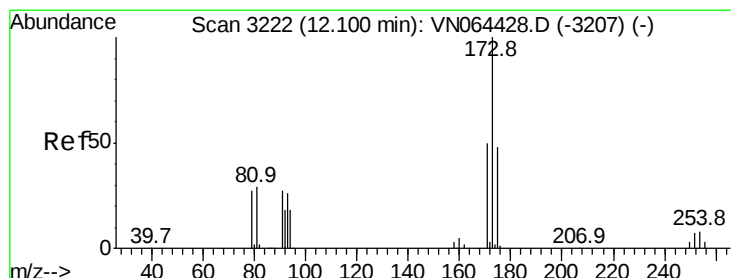
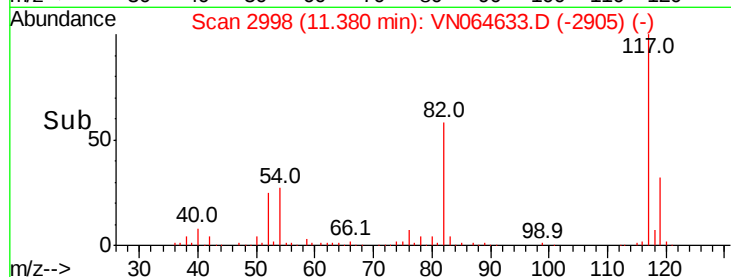
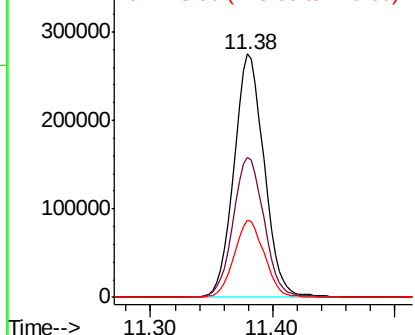
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064633.D
Acq: 13 Nov 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-638-640

Tot Ion:117 Resp: 472142
Ion Ratio Lower Upper
117 100
82 57.6 48.1 72.1
119 31.5 26.2 39.4

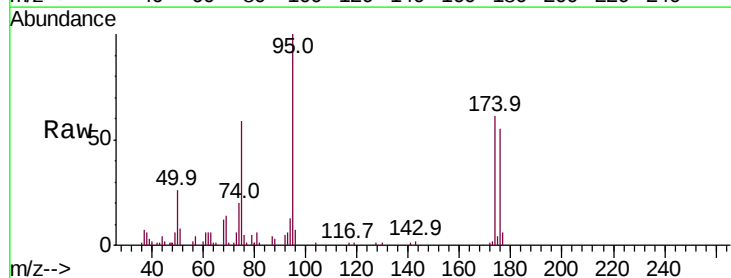


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

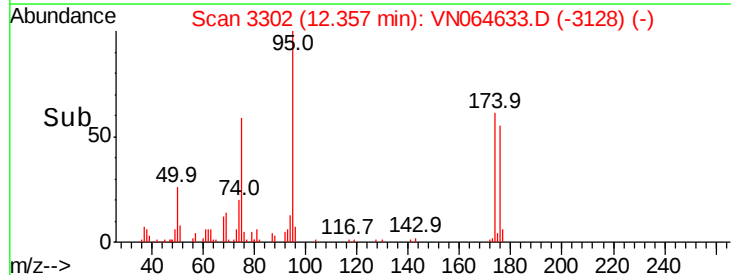
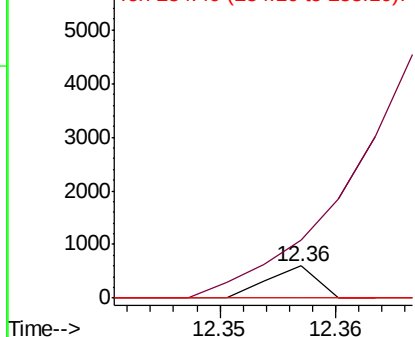


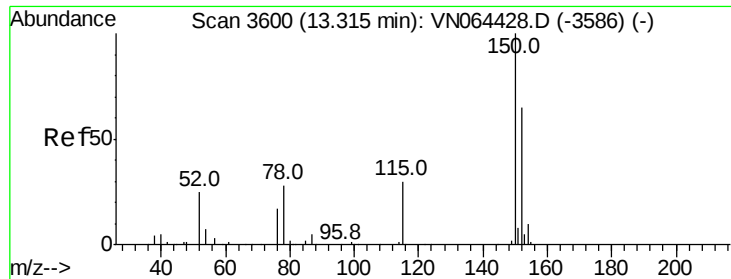
#71
Bromoform
Concen: 1.334 ug/l
RT: 12.36 min Scan# 3302
Delta R.T. 0.26 min
Lab File: VN064633.D
Acq: 13 Nov 2020 15:49

Tgt Ion:173 Resp: 175
Ion Ratio Lower Upper
173 100
175 0.0 23.7 71.1#
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: VN064633.D

Acq: 13 Nov 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-638-640

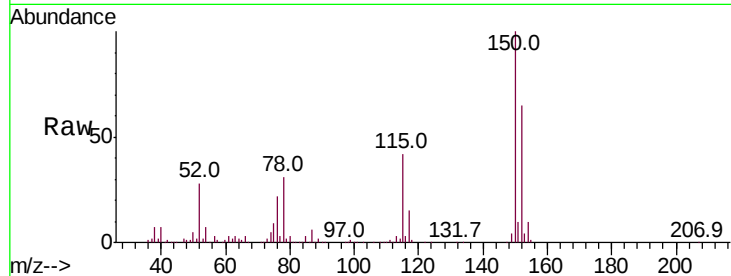
Tot Ion:152 Resp: 170582

Ion Ratio Lower Upper

152 100

115 64.5 32.0 96.0

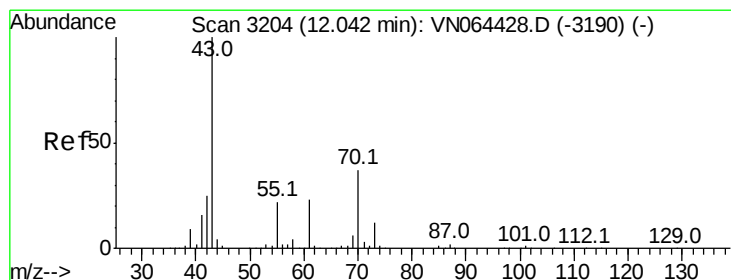
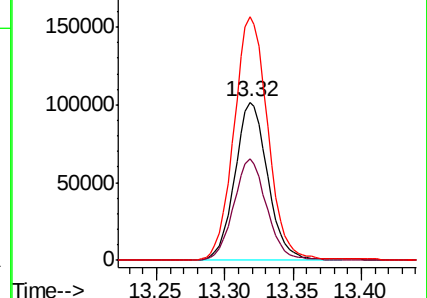
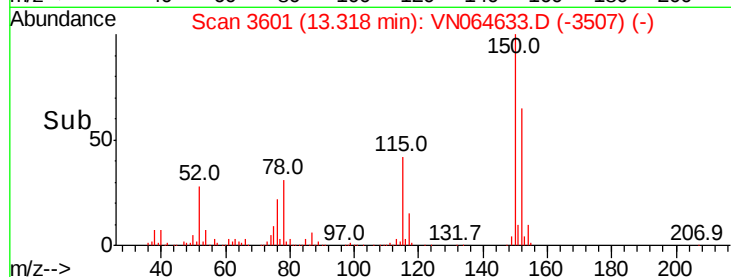
150 158.6 0.0 353.8



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-ethyl acetate

Concen: 1.238 ug/l

RT: 12.03 min Scan# 3200

Delta R.T. -0.01 min

Lab File: VN064633.D

Acq: 13 Nov 2020 15:49

Tgt Ion: 43 Resp: 162

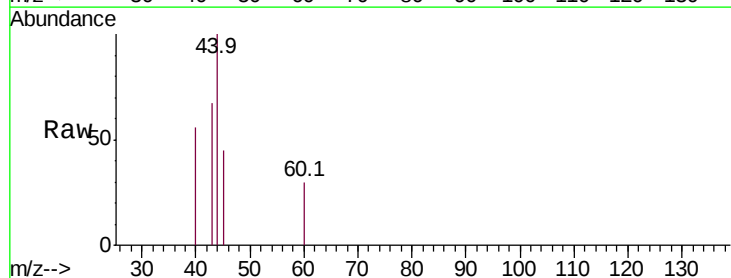
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 0.0 18.4 27.6#

61 0.0 17.8 26.6#

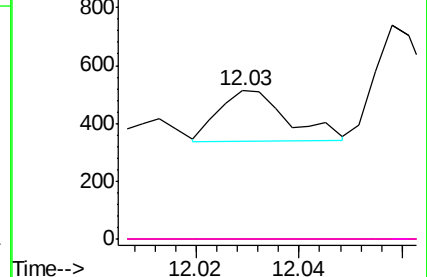
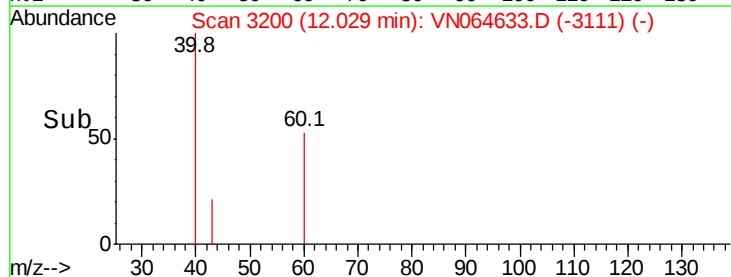


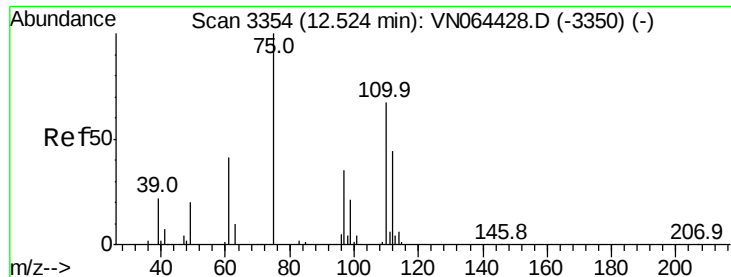
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 29.369 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064633.D

Acq: 13 Nov 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

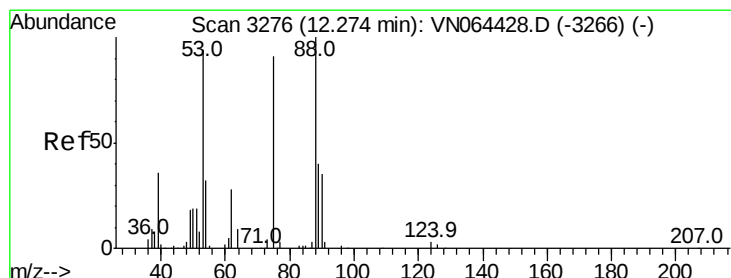
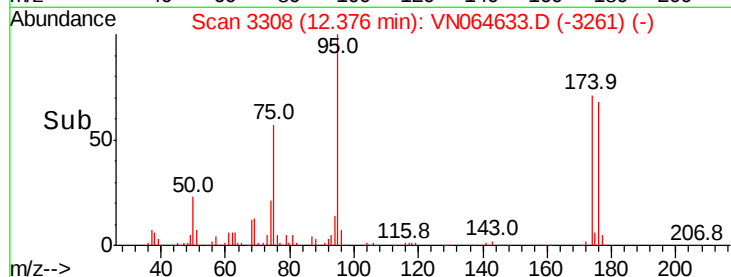
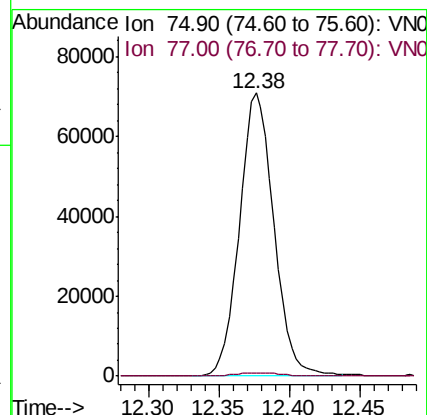
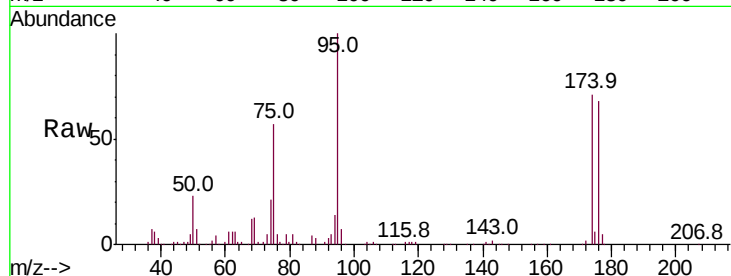
BP-VPB178-GW-638-640

Tot Ion: 75 Resp: 121383

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 82.001 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064633.D

Acq: 13 Nov 2020 15:49

Tgt Ion: 75 Resp: 121383

Ion Ratio Lower Upper

75 100

53 0.1 84.0 126.0#

89 0.0 36.3 54.5#

