

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111920\
 Data File : VN064759.D
 Acq On : 20 Nov 2020 4:43
 Operator : JC/MD
 Sample : L4788-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-BPOW1-8-GW-20201113

Quant Time: Nov 20 06:49:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 18 15:29:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	290187	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	594189	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	616782	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	265058	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	253240	49.61	ug/l	0.00
Spiked Amount			Recovery	=	99.22%	
35) Dibromofluoromethane	7.55	113	193326	57.16	ug/l	0.00
Spiked Amount			Recovery	=	114.32%	
50) Toluene-d8	10.06	98	756410	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	
62) 4-Bromofluorobenzene	12.38	95	288702	50.25	ug/l	0.00
Spiked Amount			Recovery	=	100.50%	

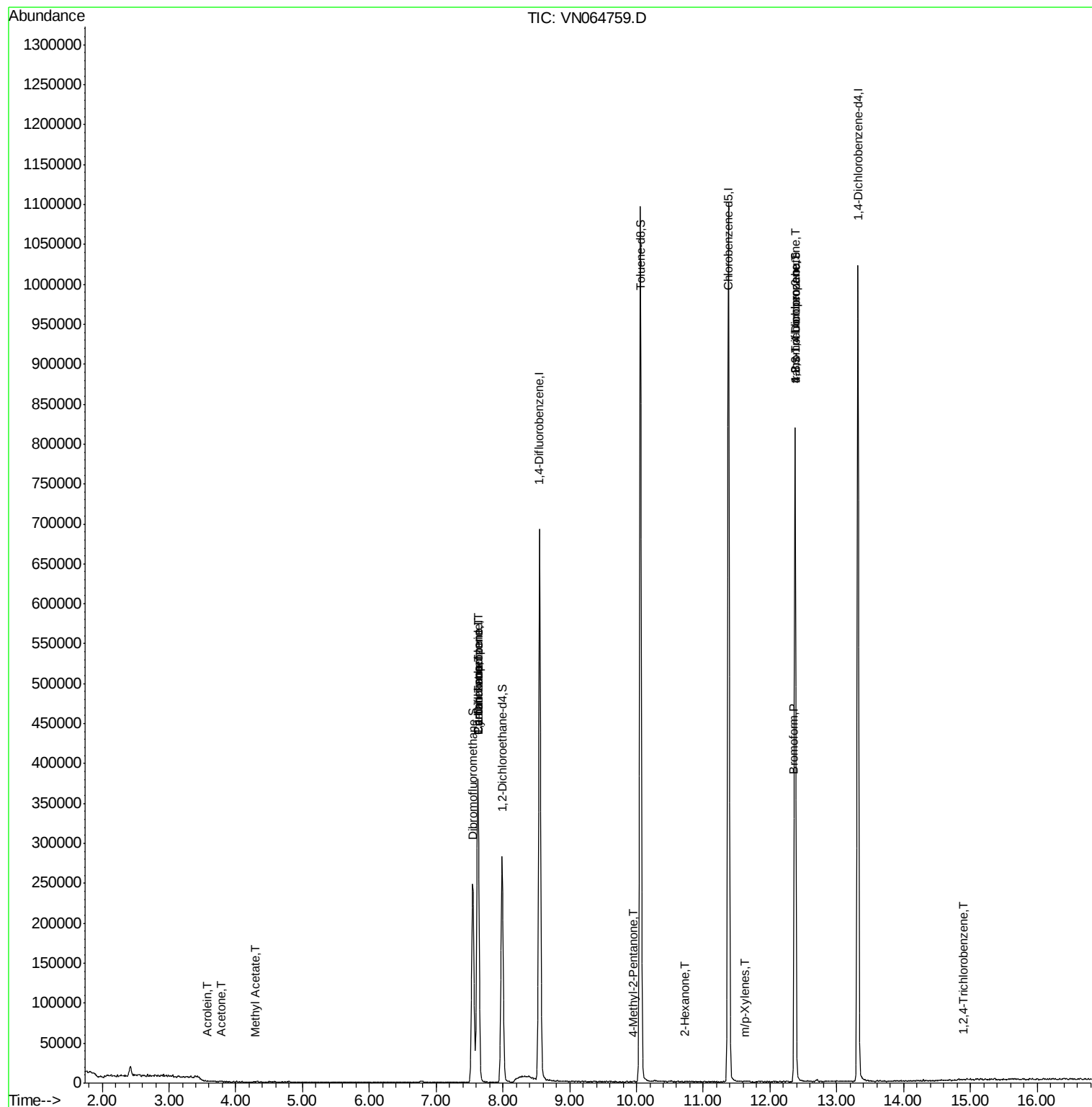
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.58	56	29	0.250	ug/l #	1
16) Acetone	3.78	43	587	5.530	ug/l #	48
18) Methyl Acetate	4.29	43	942	1.579	ug/l #	61
31) Cyclohexane	7.63	56	6990	1.267	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	25260	4.132	ug/l #	52
38) Carbon Tetrachloride	7.63	117	30838	4.747	ug/l #	15
51) 4-Methyl-2-Pentanone	9.95	43	158	6.155	ug/l #	39
59) 2-Hexanone	10.72	43	280	8.501	ug/l #	28
68) m/p-Xylenes	11.61	106	69	4.069	ug/l #	1
71) Bromoform	12.35	173	82	2.467	ug/l #	29
76) 1,2,3-Trichloropropane	12.38	75	149010	26.091	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	149010	66.711	ug/l #	5
93) 1,2,4-Trichlorobenzene	14.89	180	63	1.345	ug/l #	77

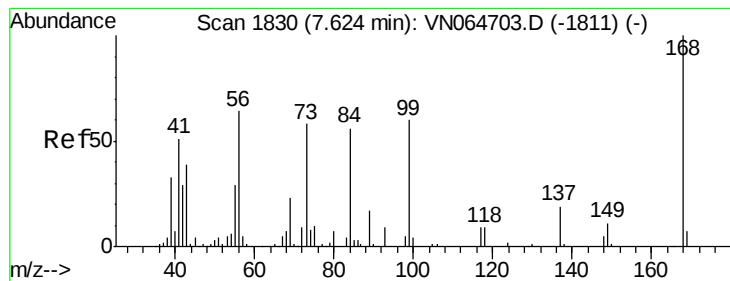
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111920\
Data File : VN064759.D
Acq On : 20 Nov 2020 4:43
Operator : JC/MD
Sample : L4788-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-BPOW1-8-GW-20201113

Quant Time: Nov 20 06:49:25 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 18 15:29:54 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: VN064759.D

Acq: 20 Nov 2020 4:43

Instrument :

MSVOA_N

ClientSampleId :

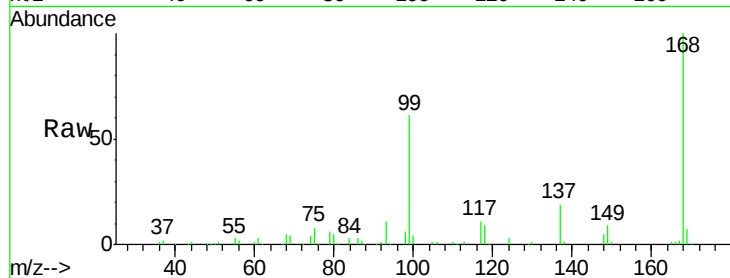
BP-TT-BPOW1-8-GW-20201113

Tot Ion:168 Resp: 290187

Ion Ratio Lower Upper

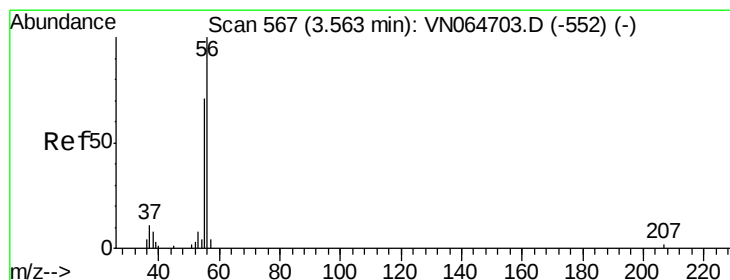
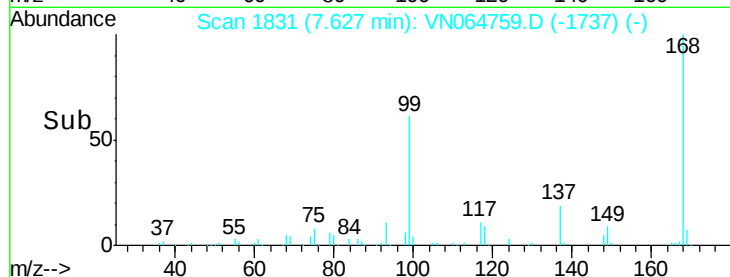
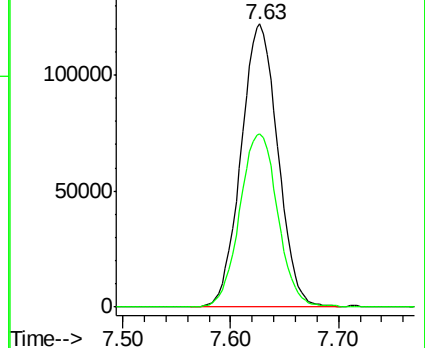
168 100

99 61.1 55.7 83.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#13

Acrolein

Concen: 0.250 ug/l

RT: 3.58 min Scan# 571

Delta R.T. 0.01 min

Lab File: VN064759.D

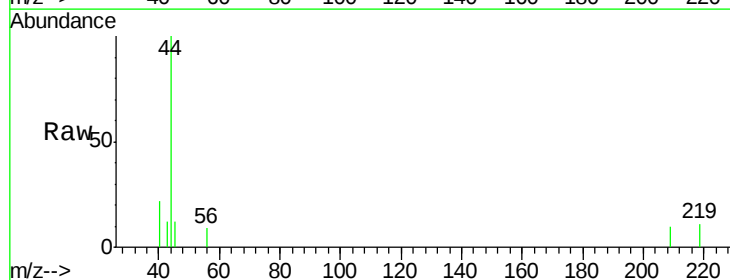
Acq: 20 Nov 2020 4:43

Tgt Ion: 56 Resp: 29

Ion Ratio Lower Upper

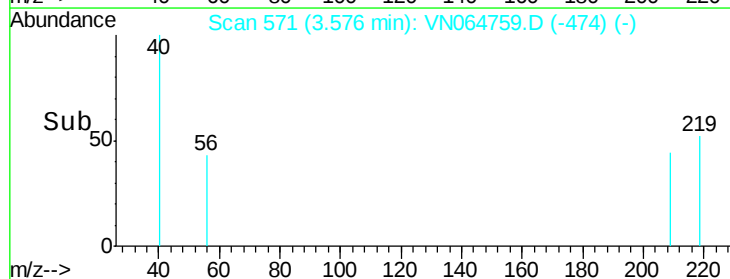
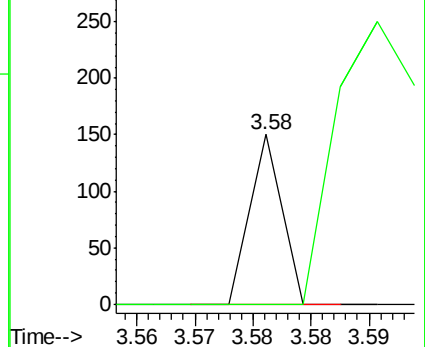
56 100

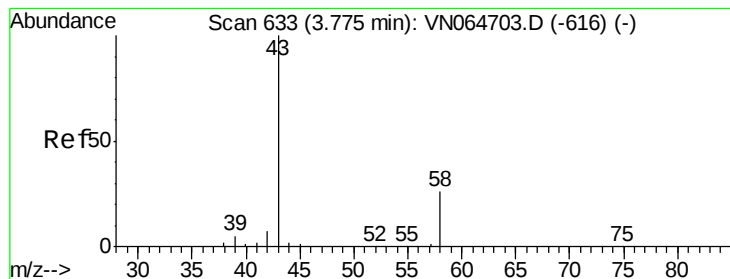
55 424.1 61.8 92.6#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO





#16

Acetone

Concen: 5.530 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN064759.D

Acq: 20 Nov 2020 4:43

Instrument :

MSVOA_N

ClientSampleId :

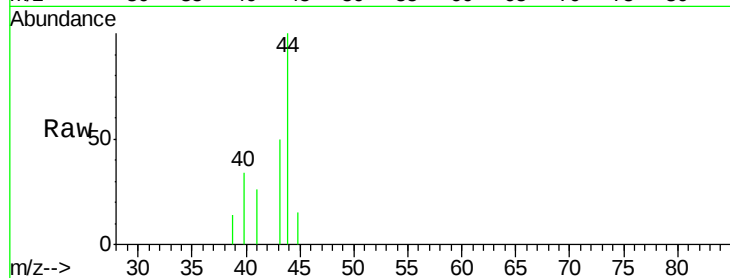
BP-TT-BPOW1-8-GW-20201113

Tot Ion: 43 Resp: 587

Ion Ratio Lower Upper

43 100

58 0.0 21.2 31.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.78

600

500

400

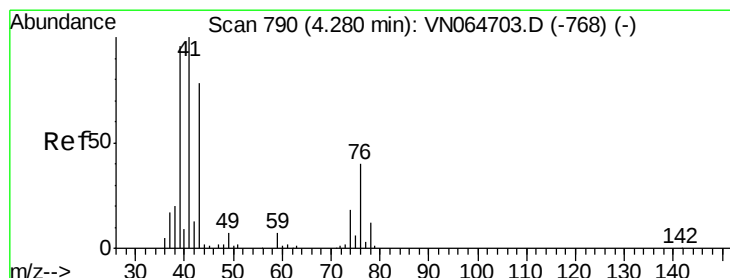
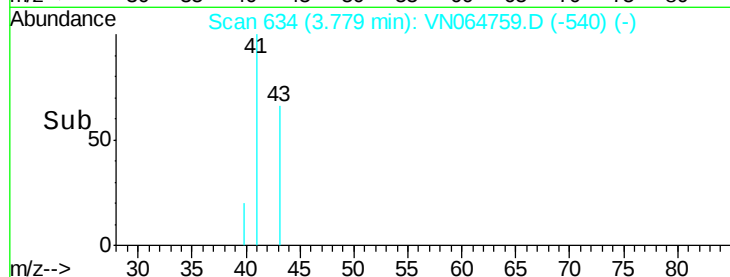
300

200

100

0

Time-->



#18

Methyl Acetate

Concen: 1.579 ug/l

RT: 4.29 min Scan# 792

Delta R.T. 0.01 min

Lab File: VN064759.D

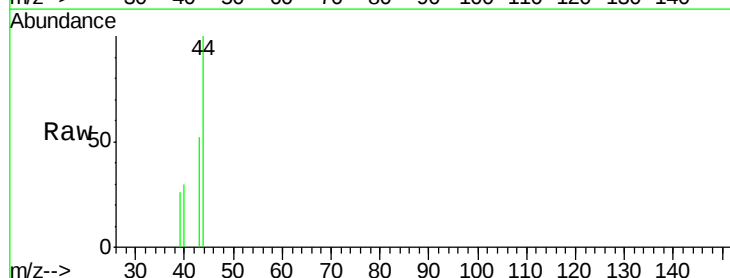
Acq: 20 Nov 2020 4:43

Tgt Ion: 43 Resp: 942

Ion Ratio Lower Upper

43 100

74 3.4 17.6 26.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.29

500

400

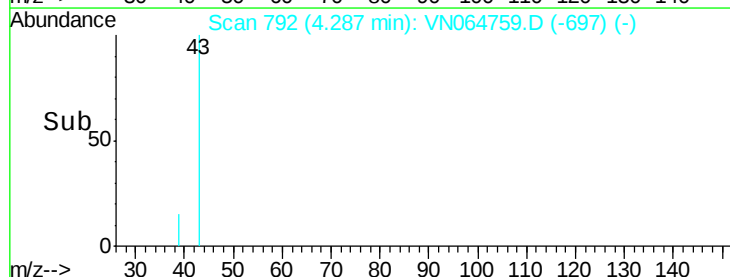
300

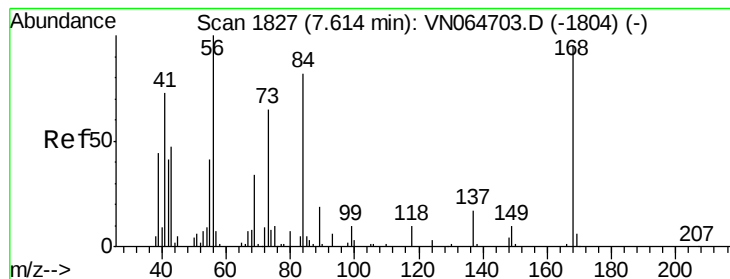
200

100

0

Time-->





#31

Cyclohexane

Concen: 1.267 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN064759.D

Acq: 20 Nov 2020 4:43

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-BPOW1-8-GW-20201113

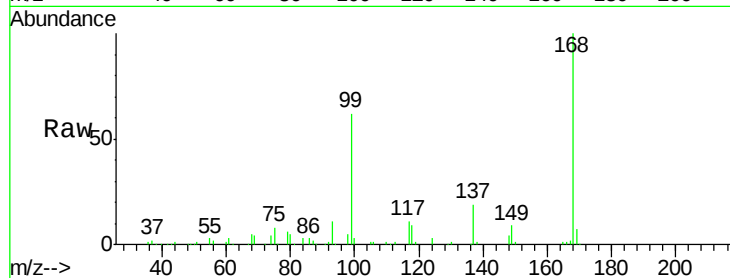
Tot Ion: 56 Resp: 6990

Ion Ratio Lower Upper

56 100

69 188.0 27.2 40.8#

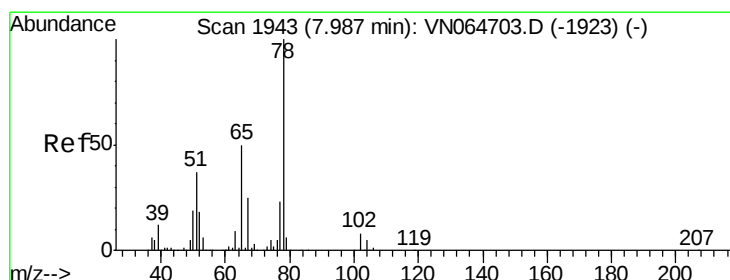
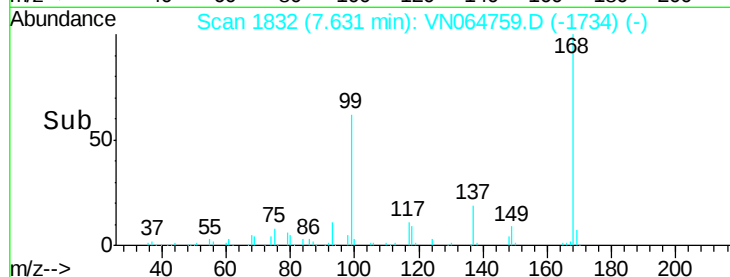
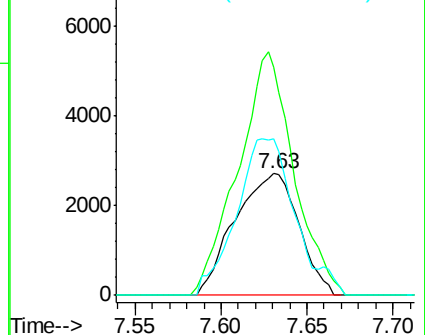
84 129.3 65.9 98.9#



Abundance Ion 56.00 (55.70 to 56.70): VN064759.D (-1734) (-)

Ion 69.00 (68.70 to 69.70): VN064759.D (-1734) (-)

Ion 84.00 (83.70 to 84.70): VN064759.D (-1734) (-)



#33

1,2-Dichloroethane-d4

Concen: 49.608 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064759.D

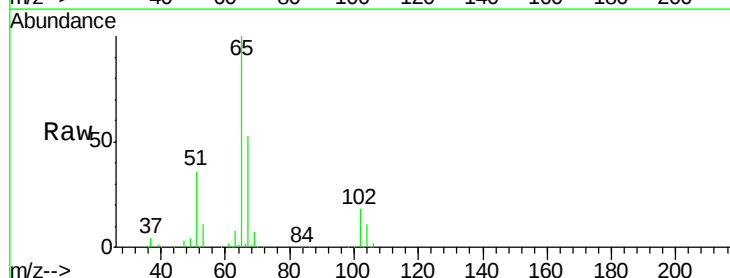
Acq: 20 Nov 2020 4:43

Tgt Ion: 65 Resp: 253240

Ion Ratio Lower Upper

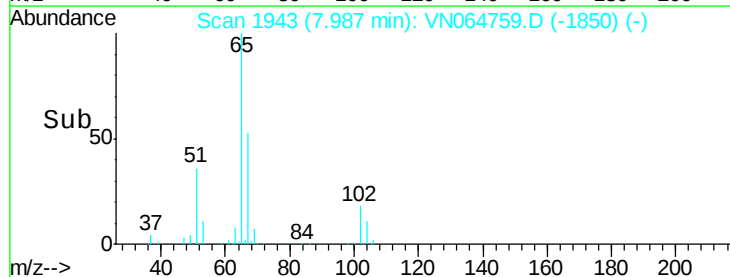
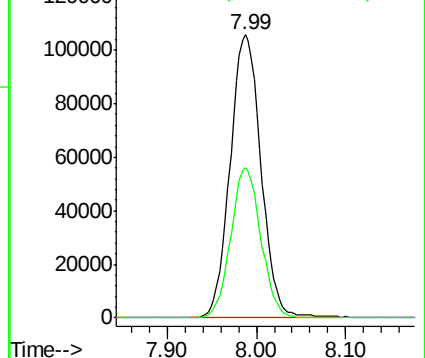
65 100

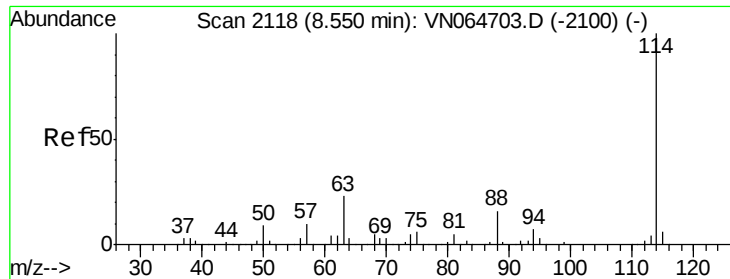
67 51.5 0.0 99.8



Abundance Ion 64.90 (64.60 to 65.60): VN064759.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN064759.D (-1850) (-)

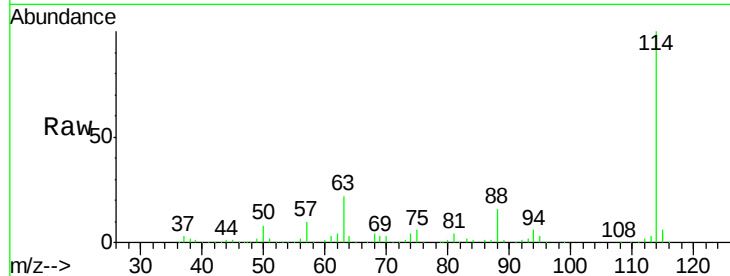




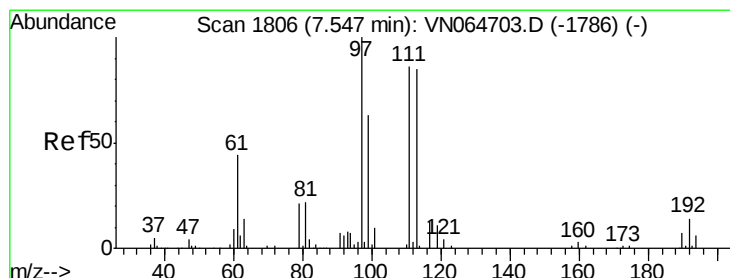
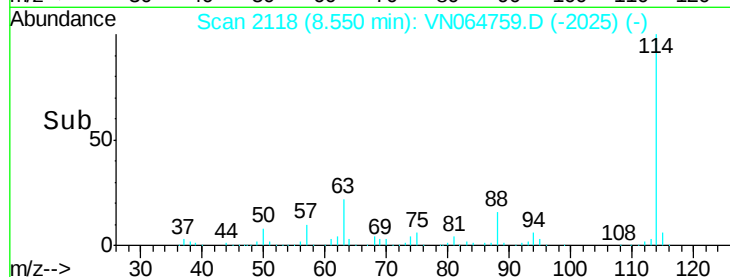
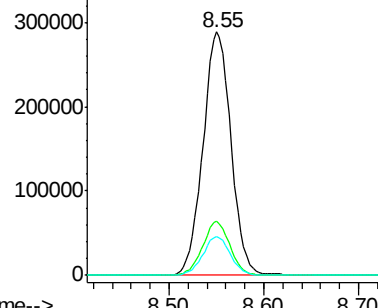
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN064759.D
Acq: 20 Nov 2020 4:43

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-BPOW1-8-GW-20201113

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	46.0
88	15.9	0.0	31.2

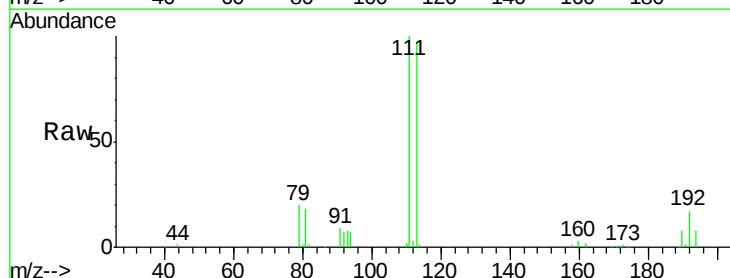


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

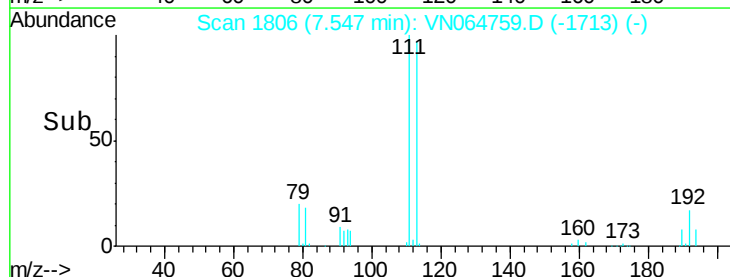
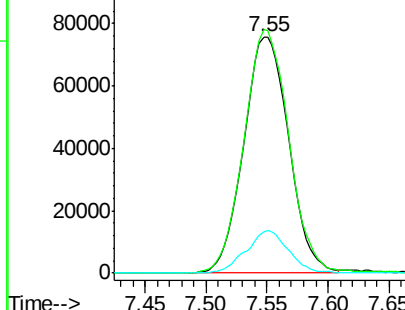


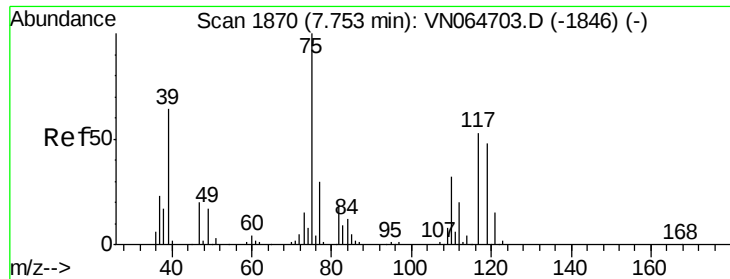
#35
Dibromofluoromethane
Concen: 57.164 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. 0.00 min
Lab File: VN064759.D
Acq: 20 Nov 2020 4:43

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.2	123.4
192	16.9	12.7	19.1



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: 4.132 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN064759.D

Acq: 20 Nov 2020 4:43

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-BPOW1-8-GW-20201113

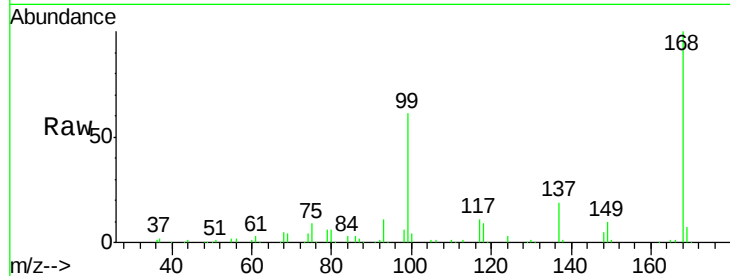
Tot Ion: 75 Resp: 25260

Ion Ratio Lower Upper

75 100

110 9.3 16.2 48.6#

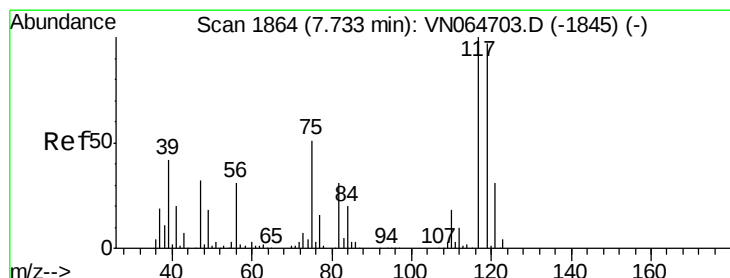
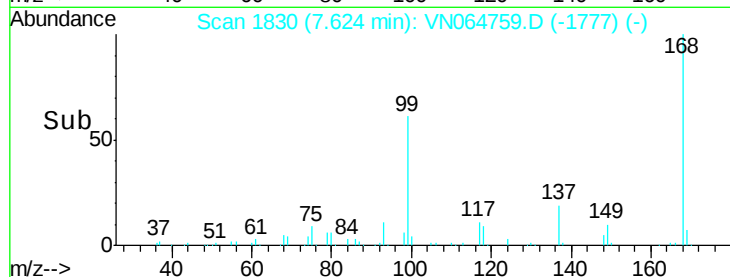
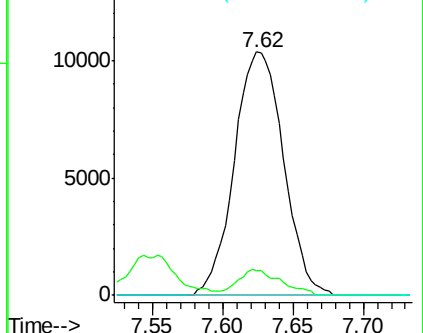
77 0.0 24.4 36.6#



Abundance Ion 74.90 (74.60 to 75.60): VN064703.D (-1846) (-)

Ion 109.90 (109.60 to 110.60): VN064703.D (-1846) (-)

Ion 76.90 (76.60 to 77.60): VN064703.D (-1846) (-)



#38

Carbon Tetrachloride

Concen: 4.747 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN064759.D

Acq: 20 Nov 2020 4:43

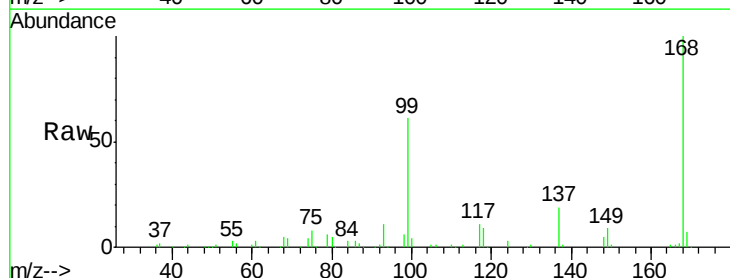
Tgt Ion: 117 Resp: 30838

Ion Ratio Lower Upper

117 100

119 4.4 77.8 116.6#

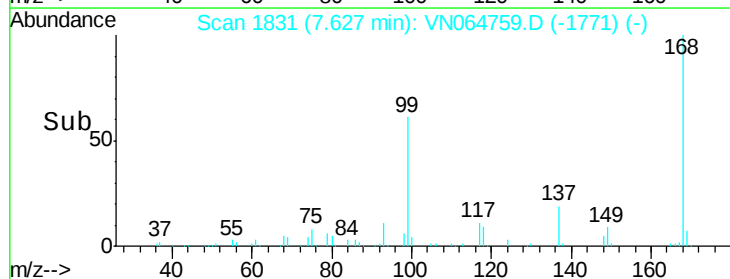
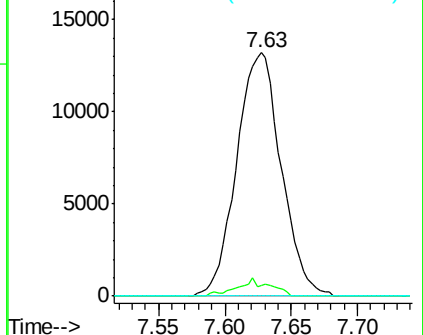
121 0.0 24.9 37.3#

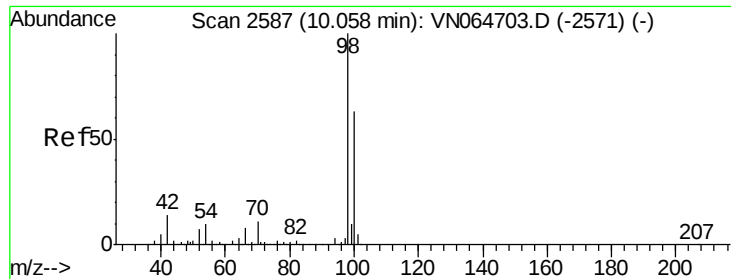


Abundance Ion 116.80 (116.50 to 117.50): VN064703.D (-1845) (-)

Ion 118.80 (118.50 to 119.50): VN064703.D (-1845) (-)

Ion 120.80 (120.50 to 121.50): VN064703.D (-1845) (-)





#50

Toluene-d8

Concen: 49.212 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064759.D

Acq: 20 Nov 2020 4:43

Instrument :

MSVOA_N

ClientSampleId :

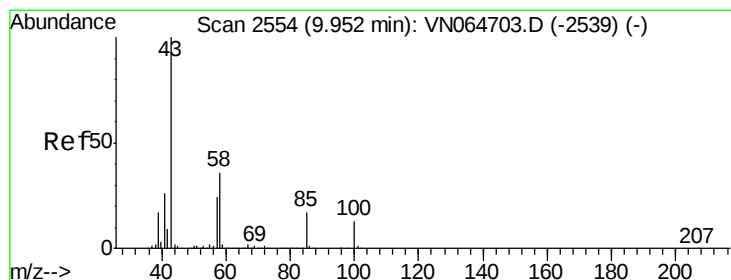
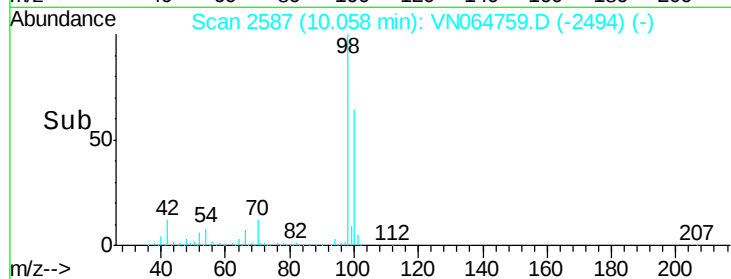
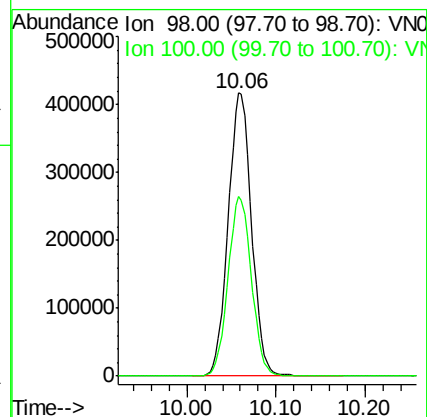
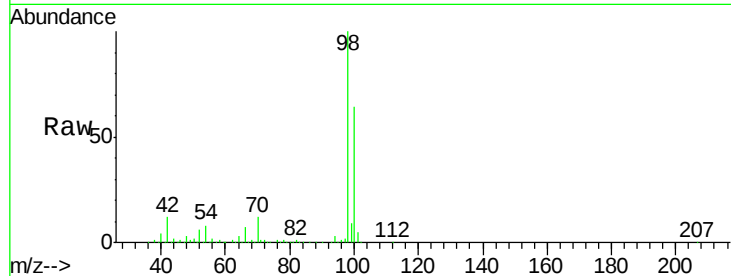
BP-TT-BPOW1-8-GW-20201113

Tot Ion: 98 Resp: 756410

Ion Ratio Lower Upper

98 100

100 63.5 50.4 75.6



#51

4-Methyl-2-Pentanone

Concen: 6.155 ug/l

RT: 9.95 min Scan# 2552

Delta R.T. -0.01 min

Lab File: VN064759.D

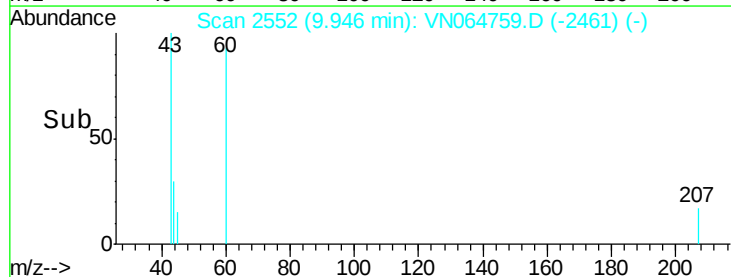
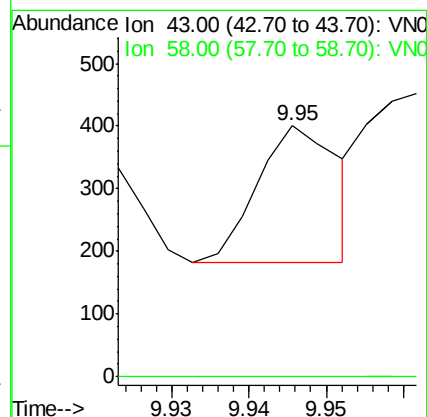
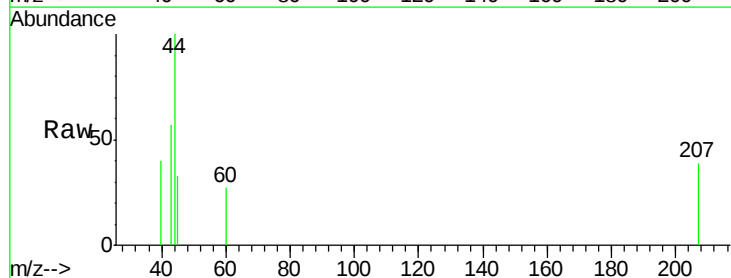
Acq: 20 Nov 2020 4:43

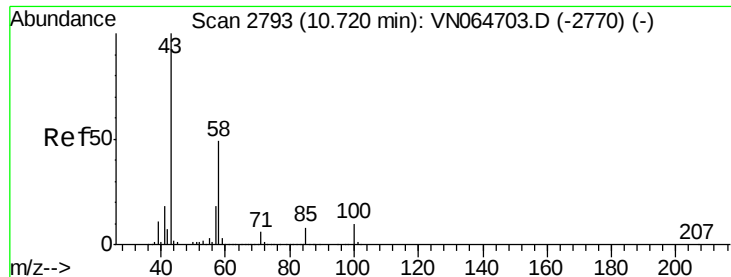
Tgt Ion: 43 Resp: 158

Ion Ratio Lower Upper

43 100

58 0.0 28.5 42.7#





#59

2-Hexanone

Concen: 8.501 ug/l

RT: 10.72 min Scan# 2794

Delta R.T. 0.00 min

Lab File: VN064759.D

Acq: 20 Nov 2020 4:43

Instrument :

MSVOA_N

ClientSampleId :

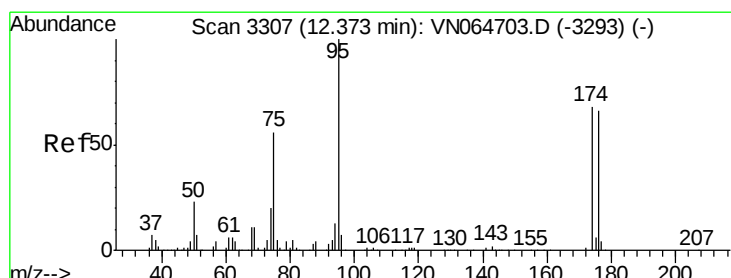
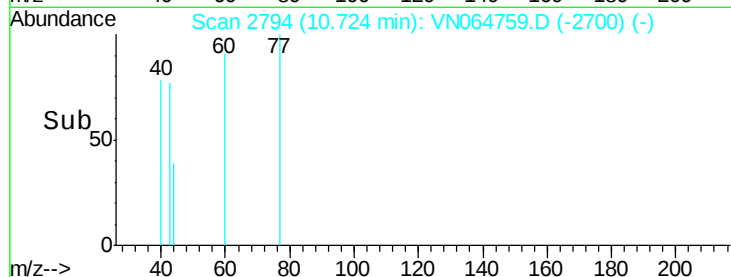
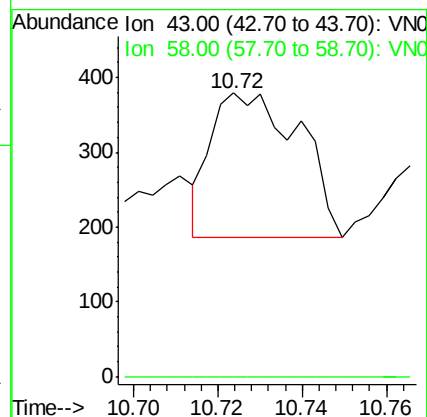
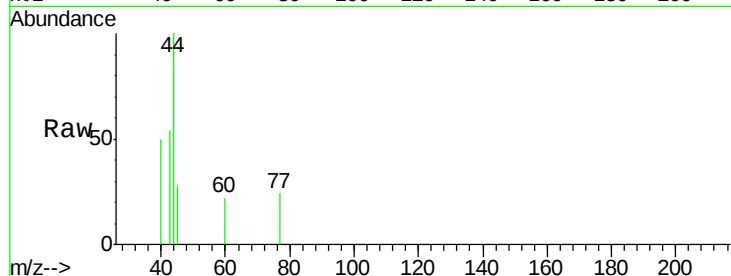
BP-TT-BPOW1-8-GW-20201113

Tot Ion: 43 Resp: 280

Ion Ratio Lower Upper

43 100

58 0.0 24.4 73.4#



#62

4-Bromofluorobenzene

Concen: 50.251 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064759.D

Acq: 20 Nov 2020 4:43

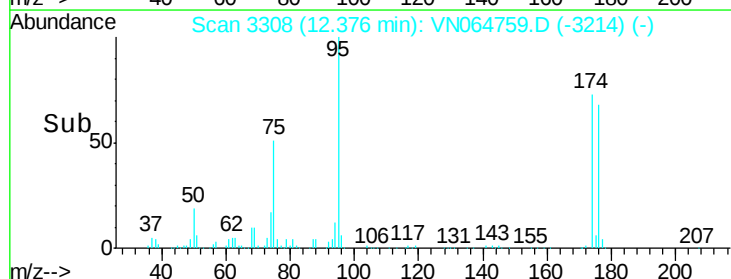
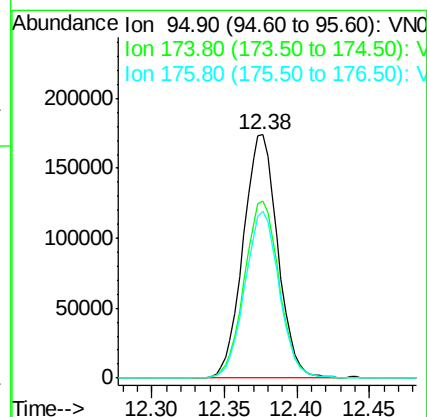
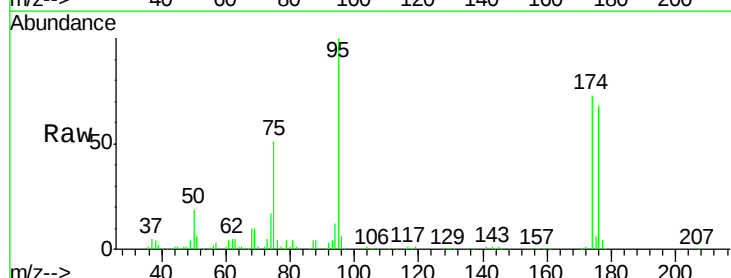
Tgt Ion: 95 Resp: 288702

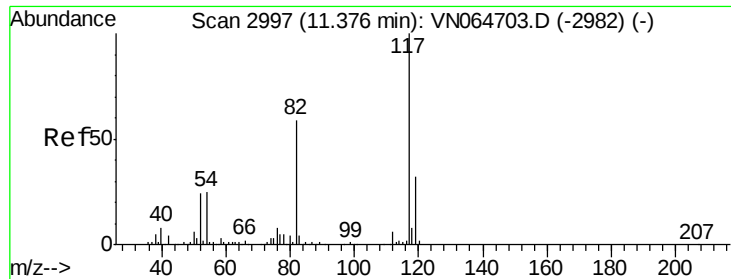
Ion Ratio Lower Upper

95 100

174 73.8 0.0 136.8

176 68.2 0.0 134.2

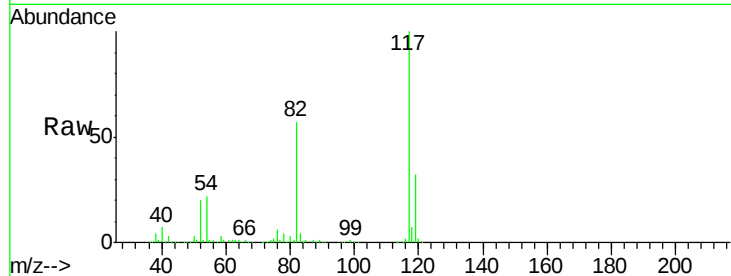




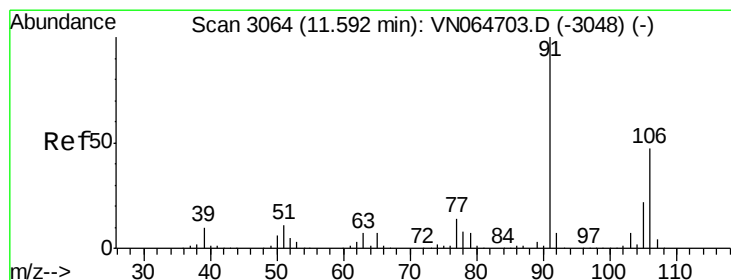
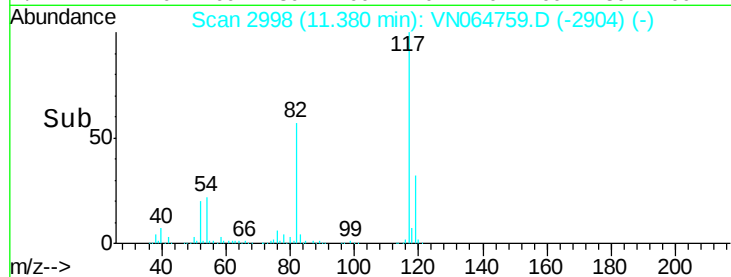
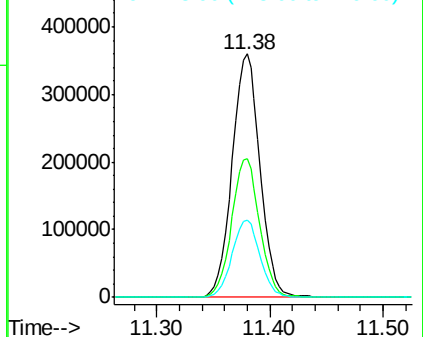
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064759.D
Acq: 20 Nov 2020 4:43

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-BPOW1-8-GW-20201113

Tot Ion:117 Resp: 616782
Ion Ratio Lower Upper
117 100
82 57.0 47.0 70.6
119 31.9 25.4 38.2

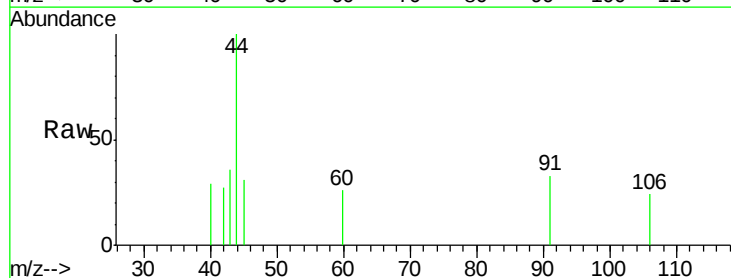


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

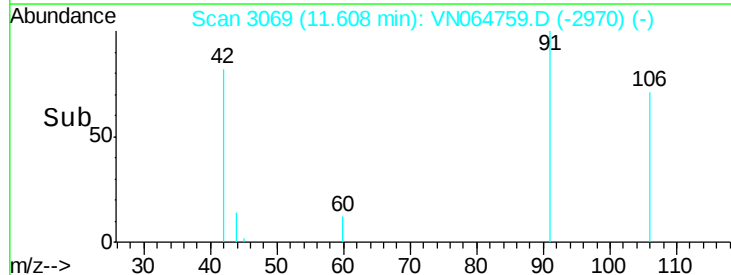
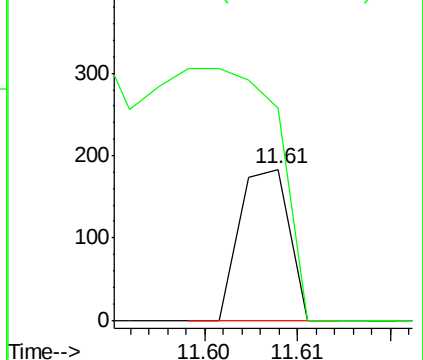


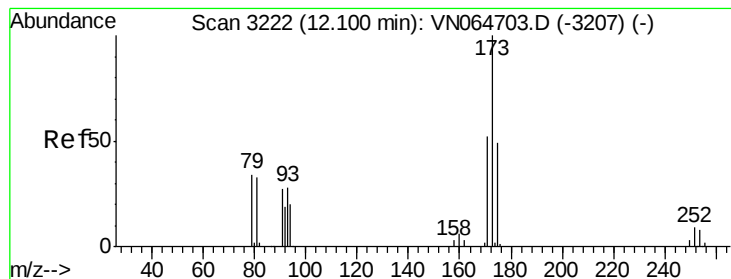
#68
m/p-Xylenes
Concen: 4.069 ug/l
RT: 11.61 min Scan# 3069
Delta R.T. 0.02 min
Lab File: VN064759.D
Acq: 20 Nov 2020 4:43

Tgt Ion:106 Resp: 69
Ion Ratio Lower Upper
106 100
91 571.0 171.9 257.9#



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN





#71

Bromoform

Concen: 2.467 ug/l

RT: 12.35 min Scan# 3300

Delta R.T. 0.25 min

Lab File: VN064759.D

Acq: 20 Nov 2020 4:43

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-BPOW1-8-GW-20201113

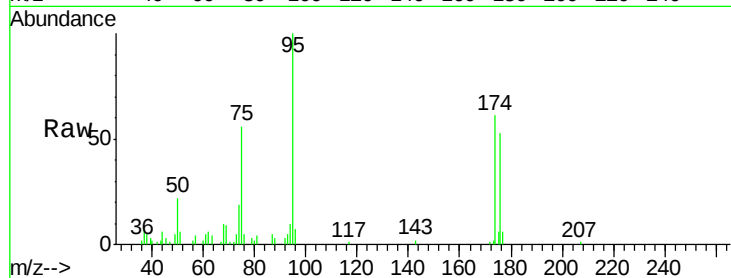
Tot Ion:173 Resp: 82

Ion Ratio Lower Upper

173 100

175 0.0 24.3 72.9#

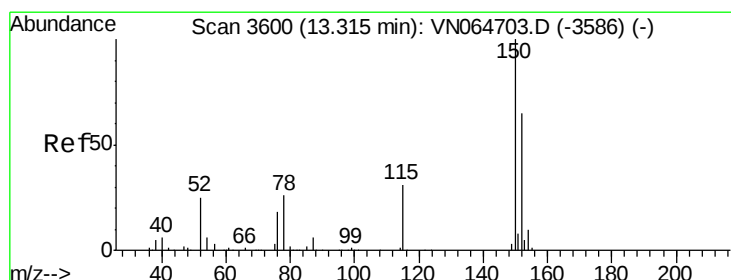
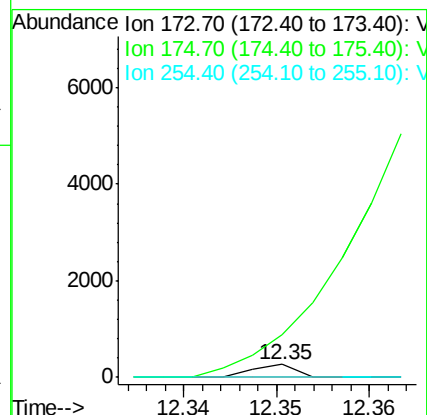
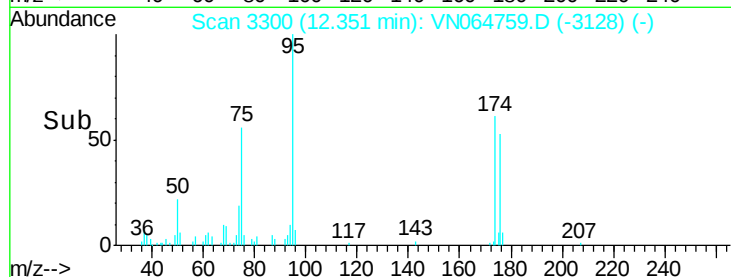
254 0.0 0.1 0.1#



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# 3600

Delta R.T. 0.00 min

Lab File: VN064759.D

Acq: 20 Nov 2020 4:43

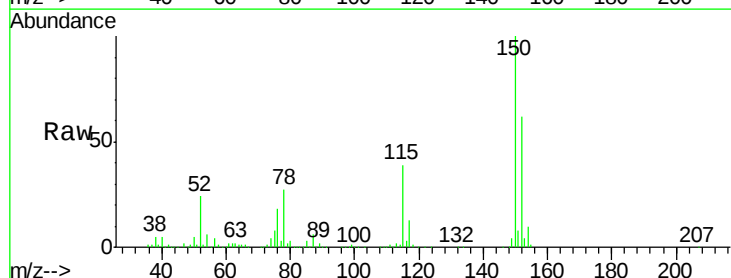
Tgt Ion:152 Resp: 265058

Ion Ratio Lower Upper

152 100

115 61.9 32.1 96.3

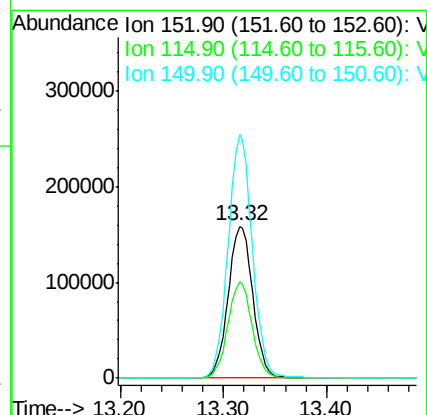
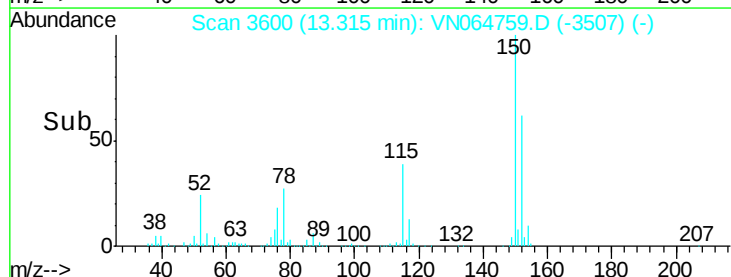
150 157.7 0.0 344.8

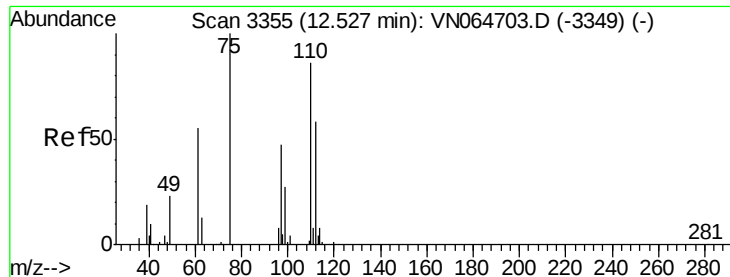


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.091 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064759.D

Acq: 20 Nov 2020 4:43

Instrument :

MSVOA_N

ClientSampleId :

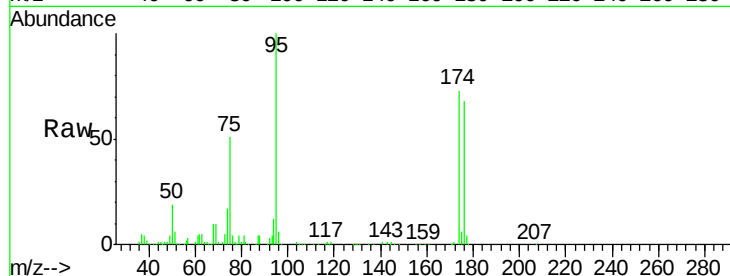
BP-TT-BPOW1-8-GW-20201113

Tot Ion: 75 Resp: 149010

Ion Ratio Lower Upper

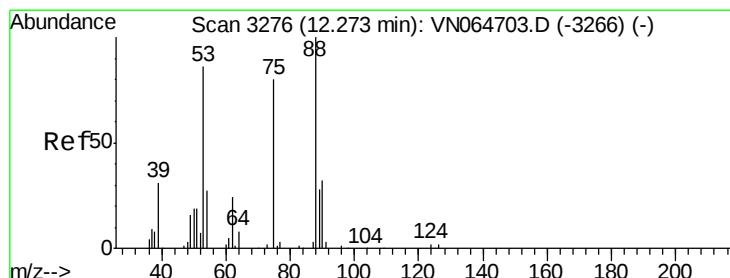
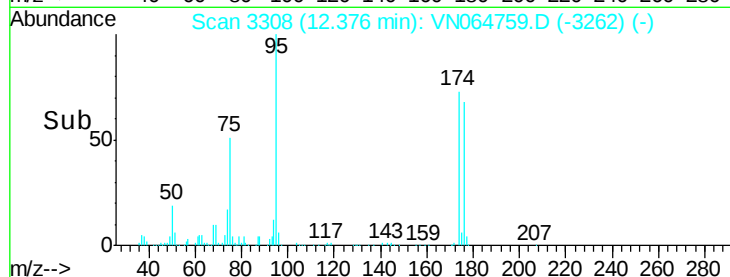
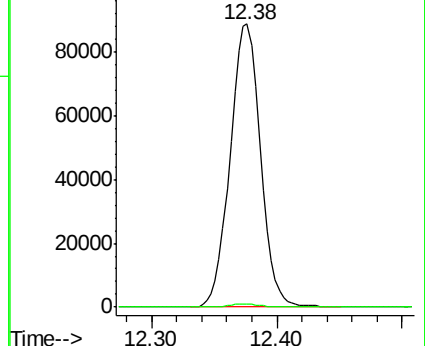
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 66.711 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064759.D

Acq: 20 Nov 2020 4:43

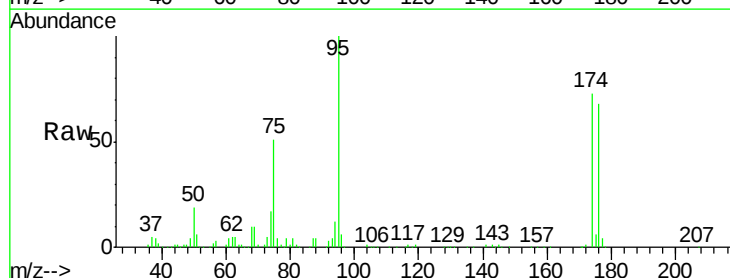
Tgt Ion: 75 Resp: 149010

Ion Ratio Lower Upper

75 100

53 0.2 88.8 133.2#

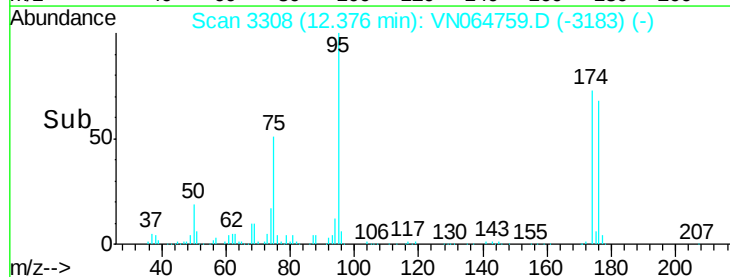
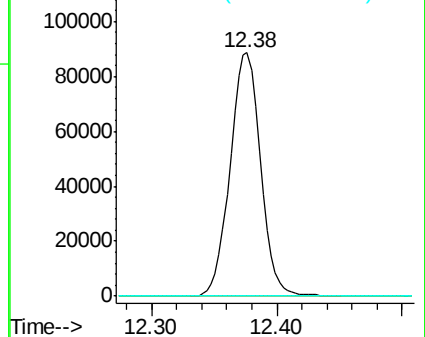
89 0.0 43.1 64.7#

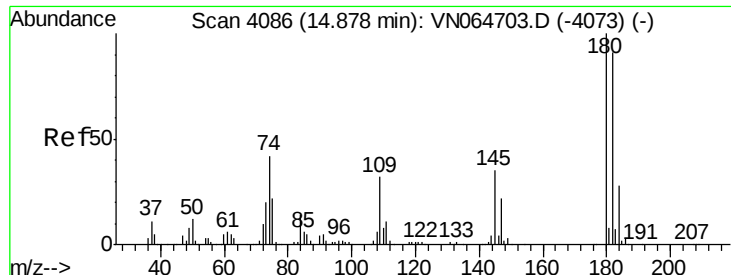


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#93
 1,2,4-Trichlorobenzene
 Concen: 1.345 ug/l
 RT: 14.89 min Scan# 4091
 Delta R.T. 0.02 min
 Lab File: VN064759.D
 Acq: 20 Nov 2020 4:43

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-BPOW1-8-GW-20201113

Tot Ion	Ratio	Lower	Upper
180	100		
182	103.2	47.3	141.8
145	0.0	17.5	52.5

