

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081920\
 Data File : VN063006.D
 Acq On : 19 Aug 2020 12:13
 Operator : JC/MD
 Sample : L3718-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-TB-20200812

Quant Time: Aug 19 13:40:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	149822	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	249832	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	254797	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	94819	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	98368	55.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.80%	
35) Dibromofluoromethane	7.55	113	86201	52.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.90%	
50) Toluene-d8	10.06	98	320009	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
62) 4-Bromofluorobenzene	12.38	95	106479	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	

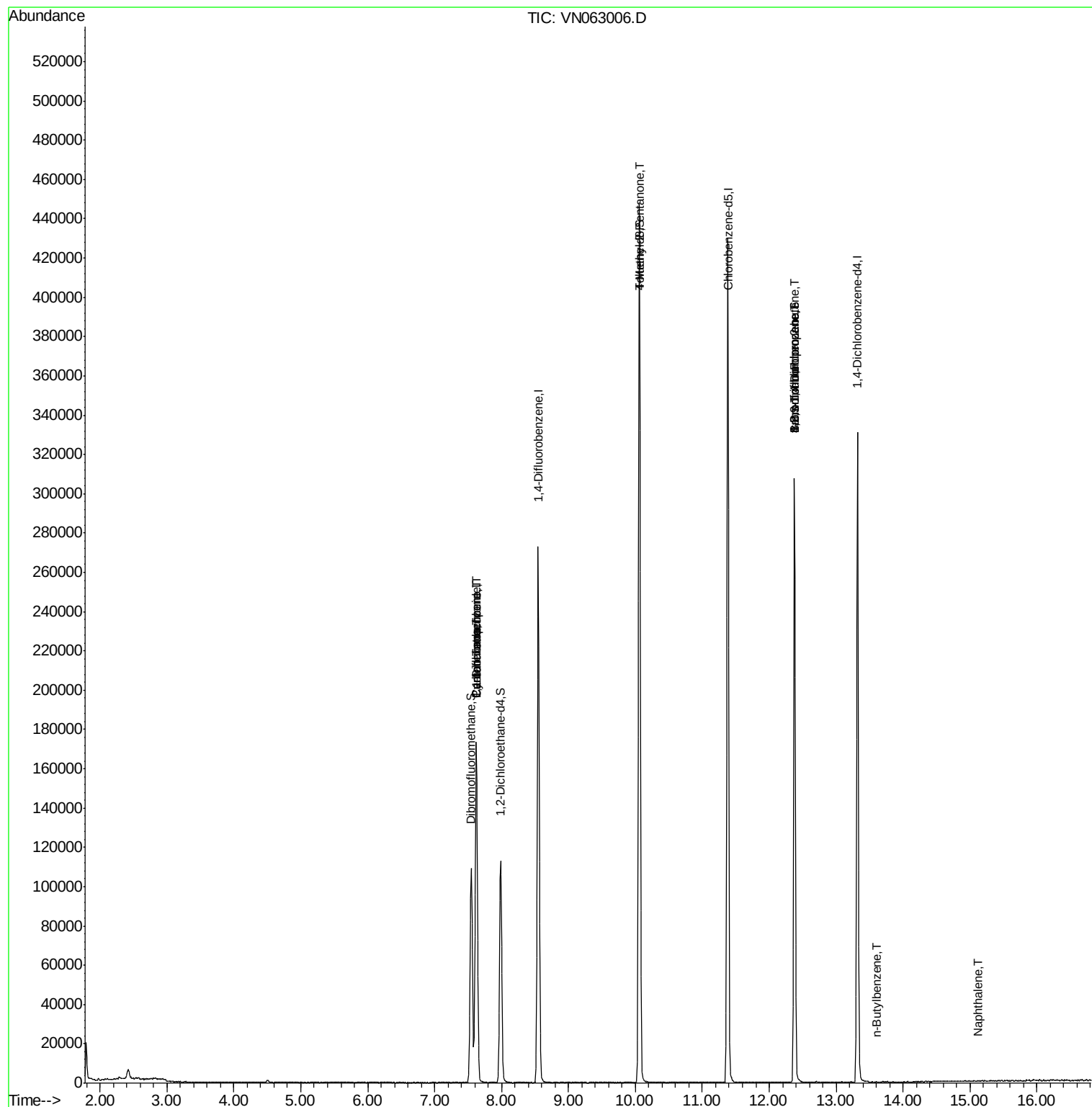
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	4.49	84	372	Below Cal	#	47
31) Cyclohexane	7.63	56	2626	1.003	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	11125	5.053	ug/l #	48
38) Carbon Tetrachloride	7.63	117	13366	6.013	ug/l #	18
51) 4-Methyl-2-Pentanone	10.06	43	1254	0.580	ug/l #	1
71) Bromoform	12.38	173	1021	0.644	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	52577	28.527	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	52577	78.348	ug/l #	15
89) n-Butylbenzene	13.60	91	31	2.776	ug/l #	34
95) Naphthalene	15.12	128	149	5.677	ug/l #	69

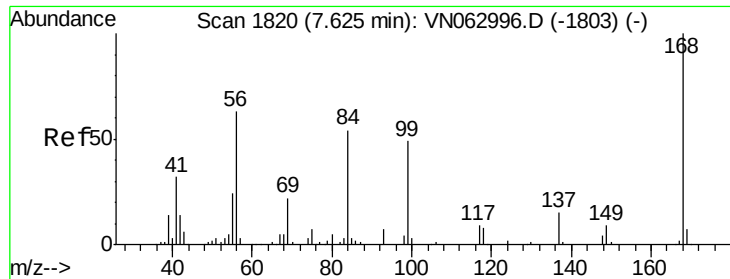
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 19 06:09:27 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN063006.D

Acq: 19 Aug 2020 12:13

Instrument :

MSVOA_N

ClientSampleId :

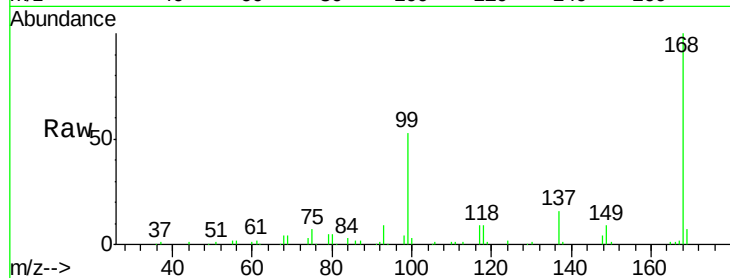
BP-VPB181-TB-20200812

Tgt Ion: 168 Resp: 149822

Ion Ratio Lower Upper

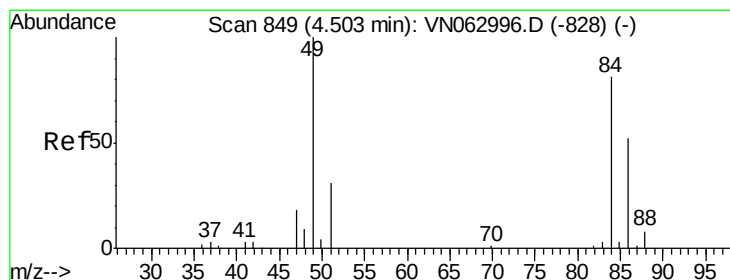
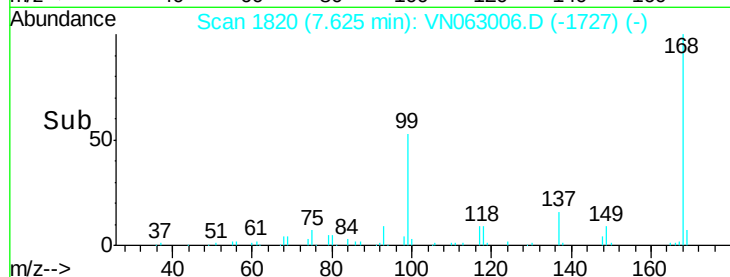
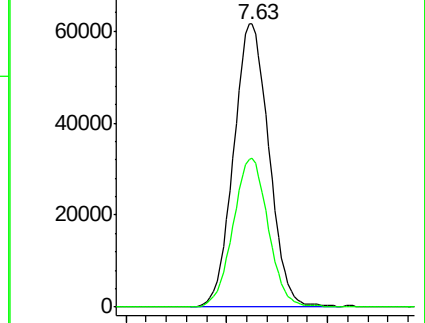
168 100

99 52.6 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#20

Methylene Chloride

Concen: Below Cal

RT: 4.49 min Scan# 846

Delta R.T. -0.01 min

Lab File: VN063006.D

Acq: 19 Aug 2020 12:13

Tgt Ion: 84 Resp: 372

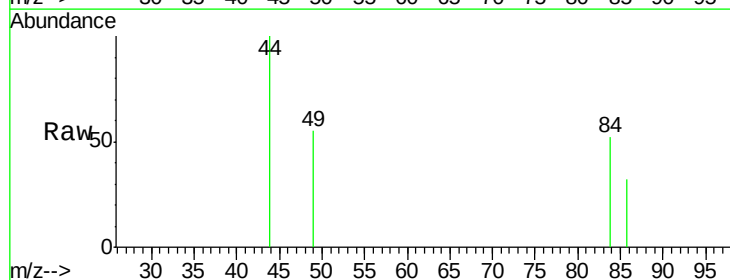
Ion Ratio Lower Upper

84 100

49 38.4 98.7 148.1#

51 0.0 30.8 46.2#

86 61.3 51.2 76.8

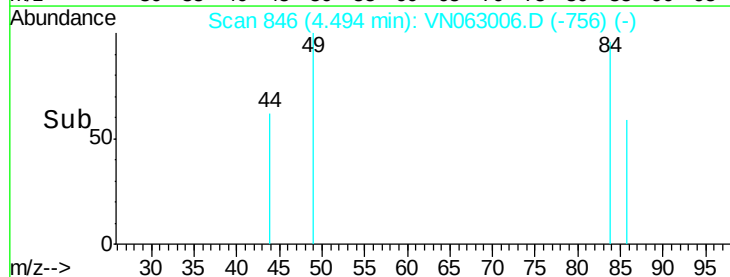
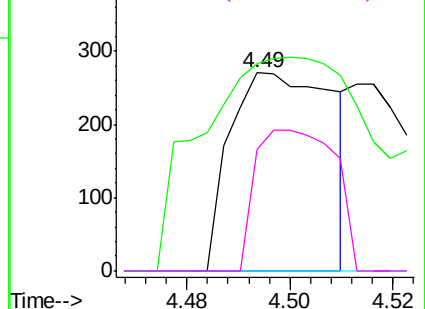


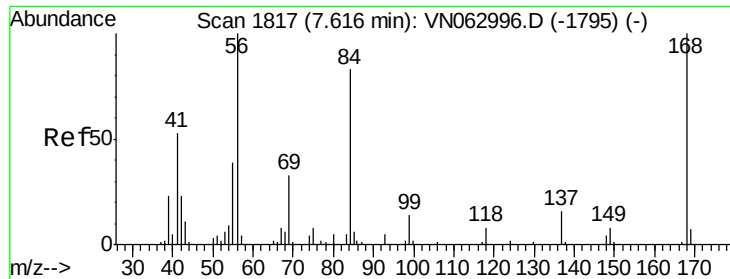
Abundance Ion 83.90 (83.60 to 84.60): VN

Ion 48.90 (48.60 to 49.60): VN

Ion 50.90 (50.60 to 51.60): VN

Ion 85.90 (85.60 to 86.60): VN

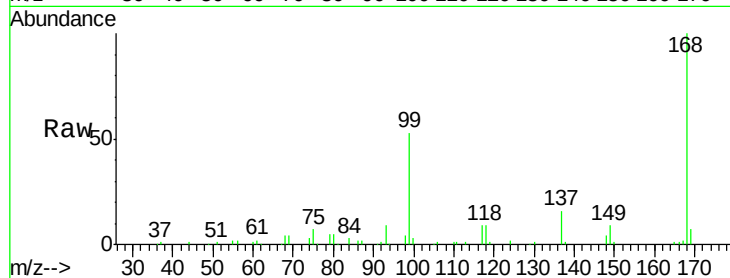




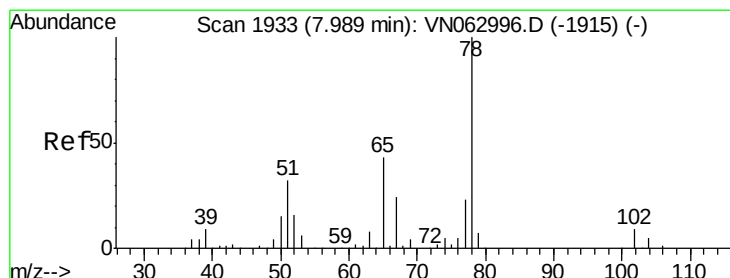
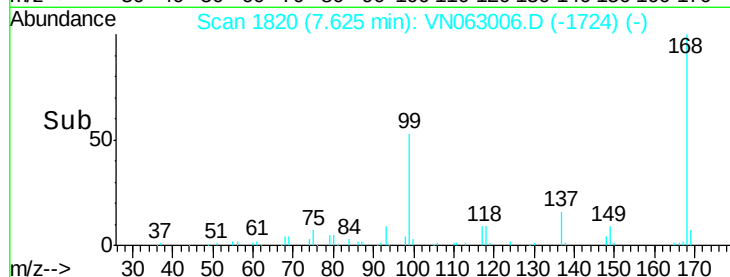
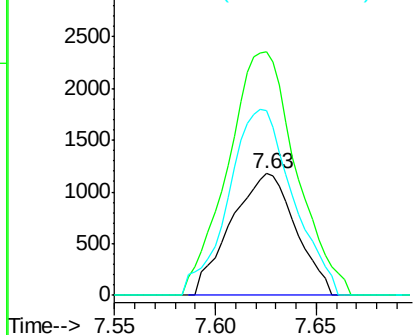
#31
Cyclohexane
Concen: 1.003 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN063006.D
Acq: 19 Aug 2020 12:13

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BP-VPB181-TB-20200812

Tgt Ion: 56 Resp: 2626
Ion Ratio Lower Upper
56 100
69 185.2 26.6 40.0#
84 151.7 66.4 99.6#

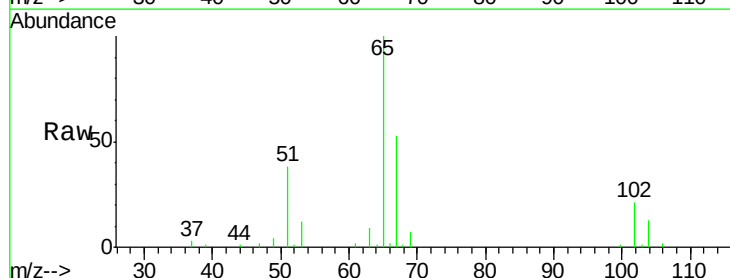


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

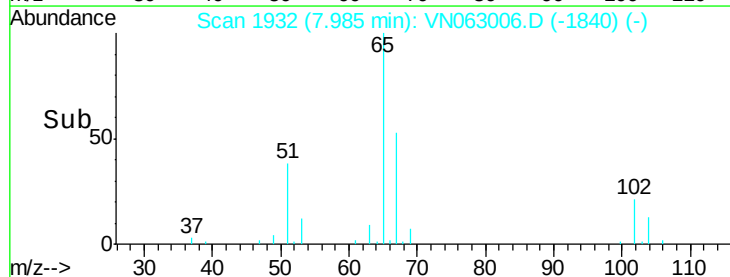
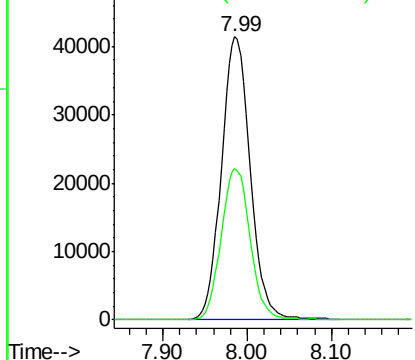


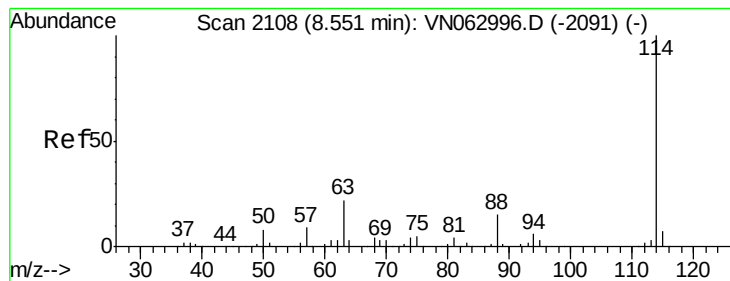
#33
1,2-Dichloroethane-d4
Concen: 55.398 ug/l
RT: 7.99 min Scan# 1932
Delta R.T. -0.00 min
Lab File: VN063006.D
Acq: 19 Aug 2020 12:13

Tgt Ion: 65 Resp: 98368
Ion Ratio Lower Upper
65 100
67 53.5 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN063006.D

Acq: 19 Aug 2020 12:13

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-TB-20200812

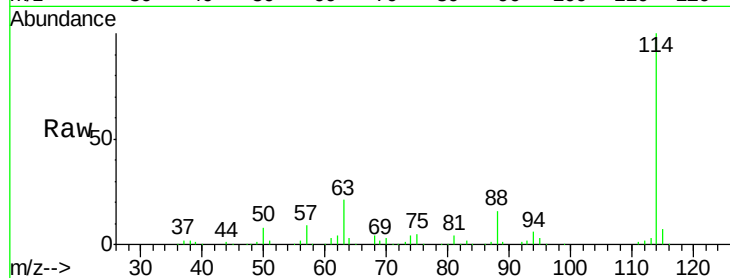
Tgt Ion:114 Resp: 249832

Ion Ratio Lower Upper

114 100

63 20.7 0.0 43.2

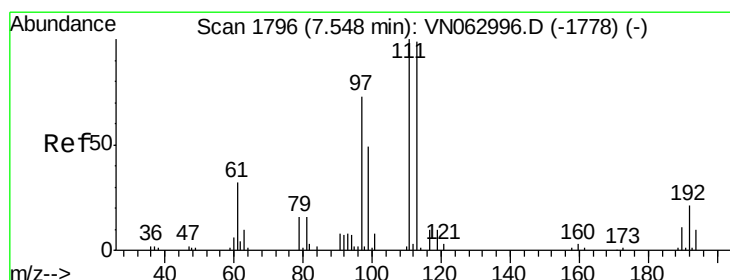
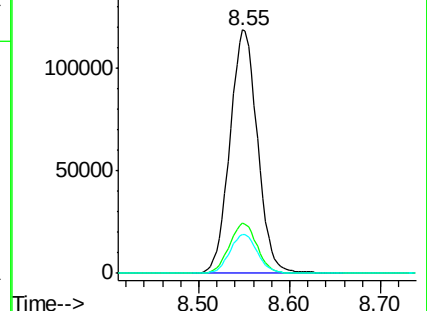
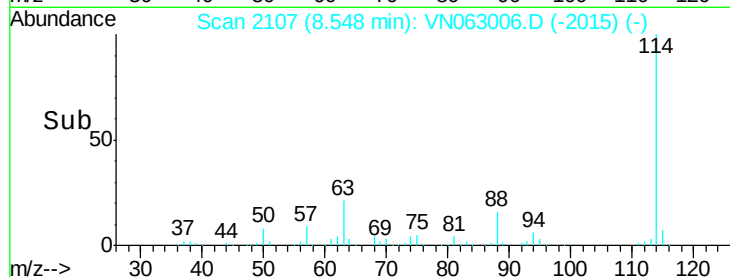
88 16.1 0.0 30.6



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: 52.952 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN063006.D

Acq: 19 Aug 2020 12:13

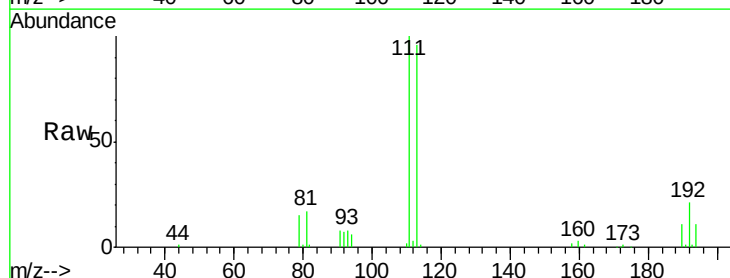
Tgt Ion:113 Resp: 86201

Ion Ratio Lower Upper

113 100

111 102.4 81.7 122.5

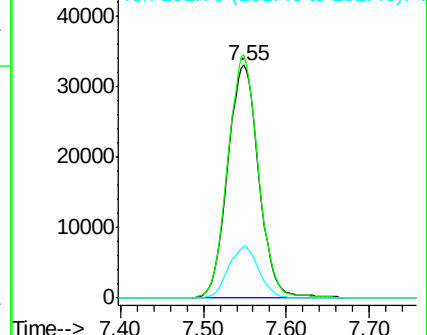
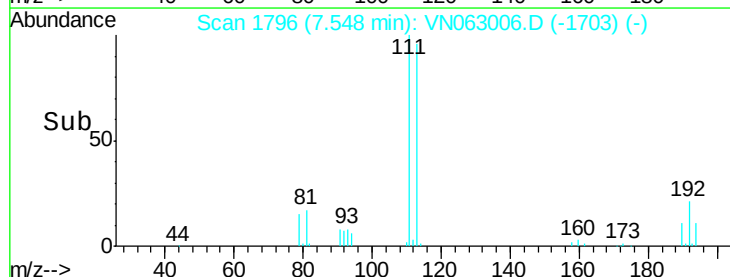
192 21.6 17.5 26.3

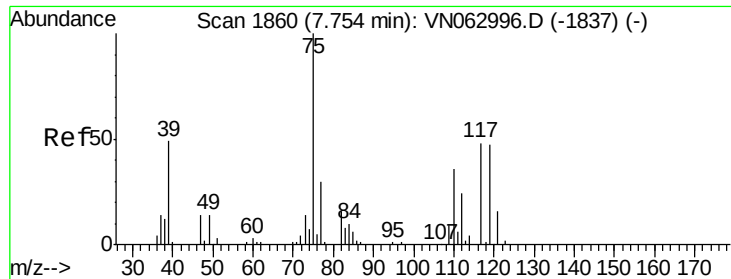


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

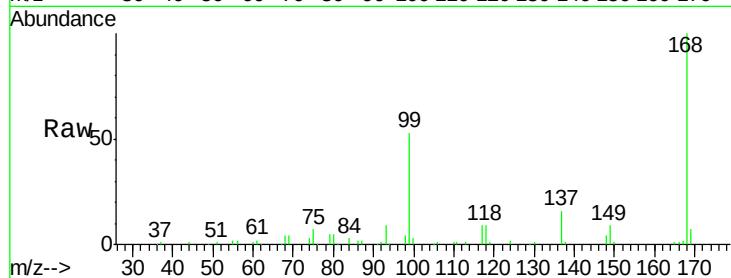




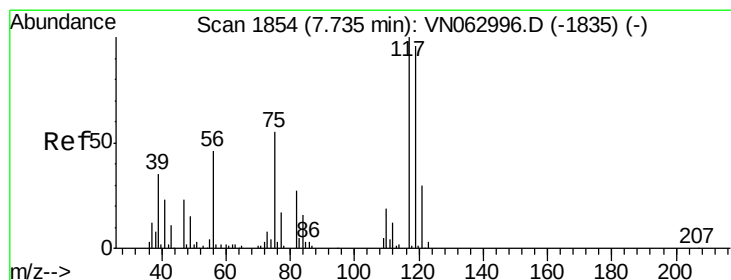
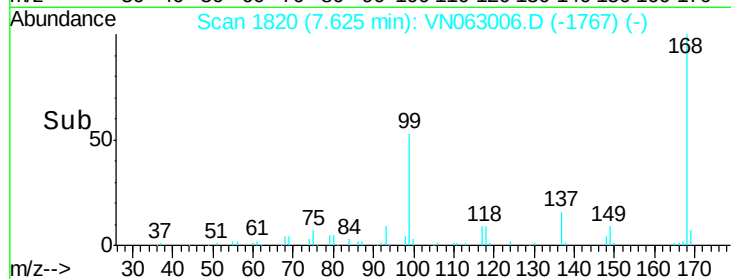
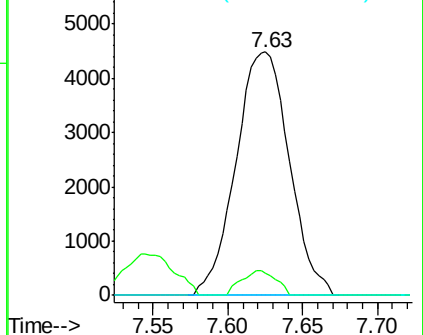
#36
 1,1-Dichloropropene
 Concen: 5.053 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN063006.D
 Acq: 19 Aug 2020 12:13

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-TB-20200812

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.6	17.5	52.6#
77	0.0	24.2	36.4#

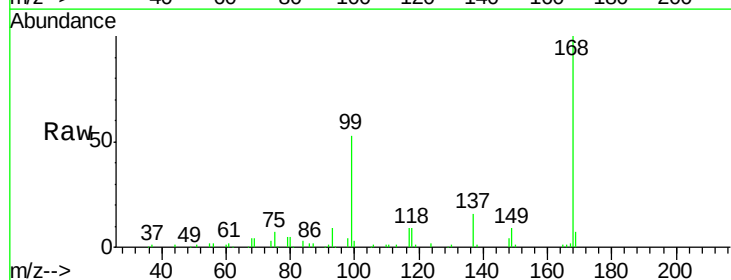


Abundance Ion 74.90 (74.60 to 75.60): VN062996.D (-1837) (-)
 Ion 109.90 (109.60 to 110.60): VN062996.D (-1837) (-)
 Ion 76.90 (76.60 to 77.60): VN062996.D (-1837) (-)

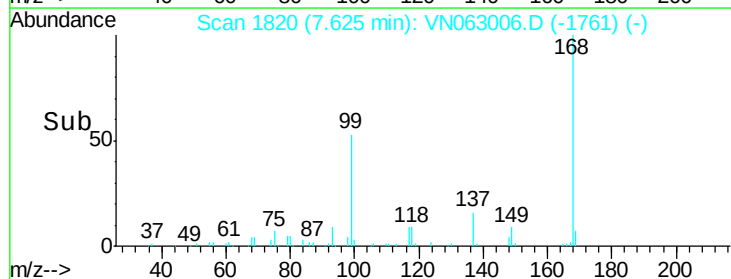
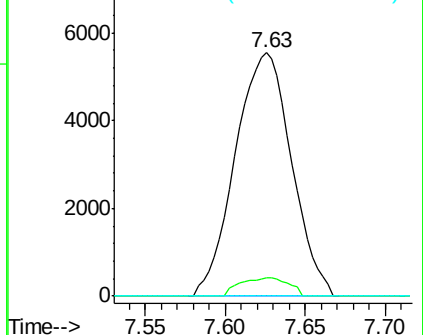


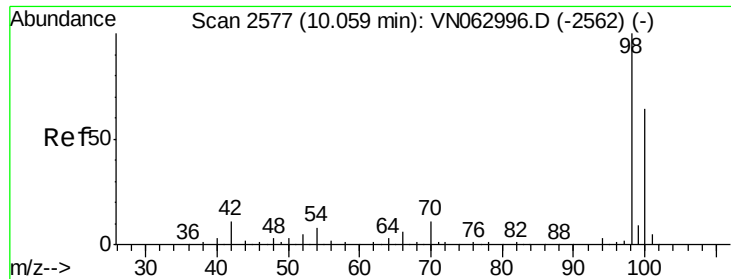
#38
 Carbon Tetrachloride
 Concen: 6.013 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN063006.D
 Acq: 19 Aug 2020 12:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.3	76.2	114.4#
121	0.0	24.2	36.2#



Abundance Ion 116.80 (116.50 to 117.50): VN062996.D (-1835) (-)
 Ion 118.80 (118.50 to 119.50): VN062996.D (-1835) (-)
 Ion 120.80 (120.50 to 121.50): VN062996.D (-1835) (-)





#50

Toluene-d8

Concen: 51.178 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN063006.D

Acq: 19 Aug 2020 12:13

Instrument :

MSVOA_N

ClientSampleId :

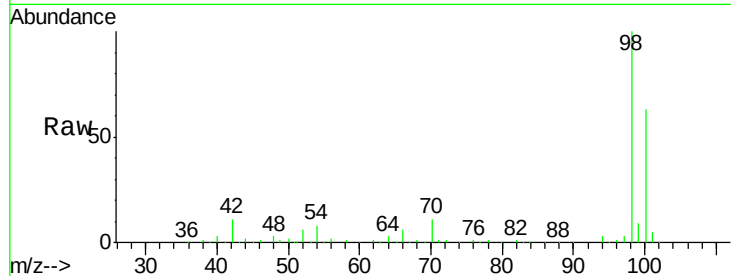
BP-VPB181-TB-20200812

Tgt Ion: 98 Resp: 320009

Ion Ratio Lower Upper

98 100

100 63.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN062996.D (-2562) (-)

Ion 100.00 (99.70 to 100.70): VN062996.D (-2562) (-)

10.06

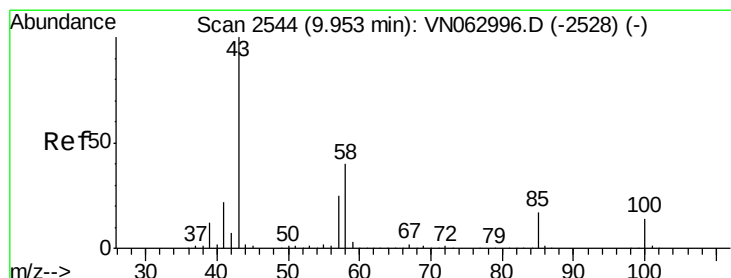
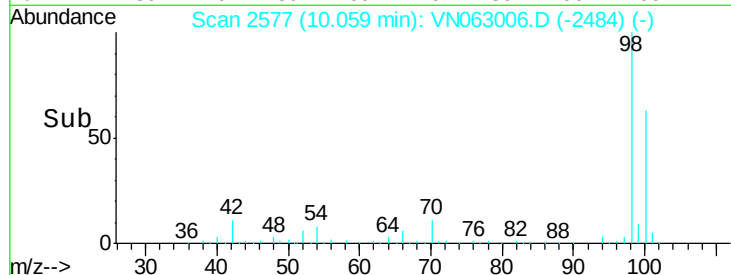
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.580 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.11 min

Lab File: VN063006.D

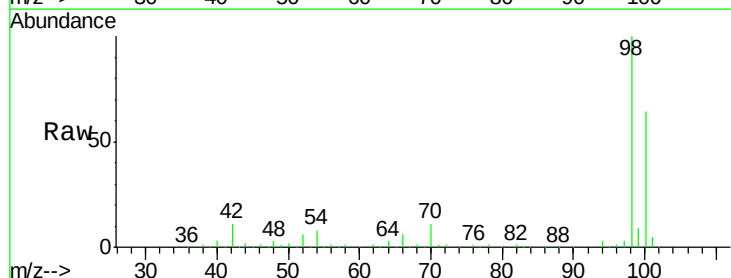
Acq: 19 Aug 2020 12:13

Tgt Ion: 43 Resp: 1254

Ion Ratio Lower Upper

43 100

58 194.4 32.2 48.2#



Abundance Ion 43.00 (42.70 to 43.70): VN062996.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN062996.D (-2528) (-)

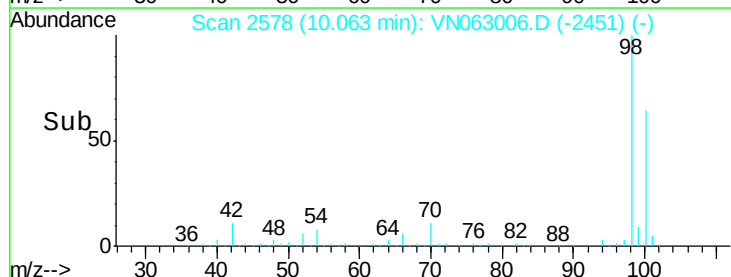
1500

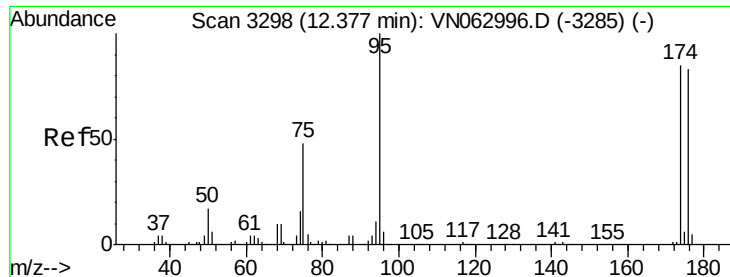
1000

500

0

Time-->

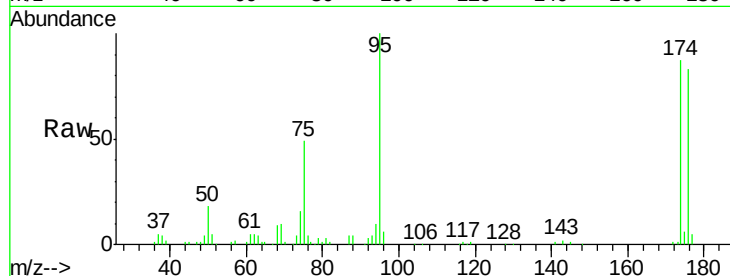




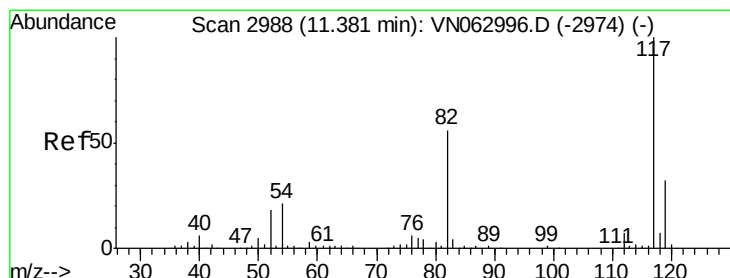
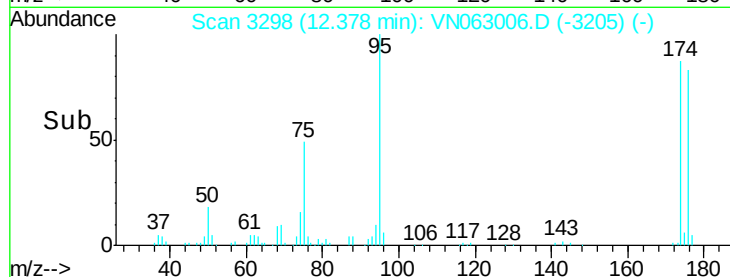
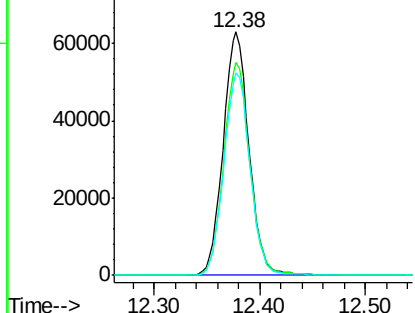
#62
 4-Bromofluorobenzene
 Concen: 48.256 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN063006.D
 Acq: 19 Aug 2020 12:13

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-TB-20200812

Tgt Ion: 95 Resp: 106479
 Ion Ratio Lower Upper
 95 100
 174 88.2 0.0 170.8
 176 84.0 0.0 164.8

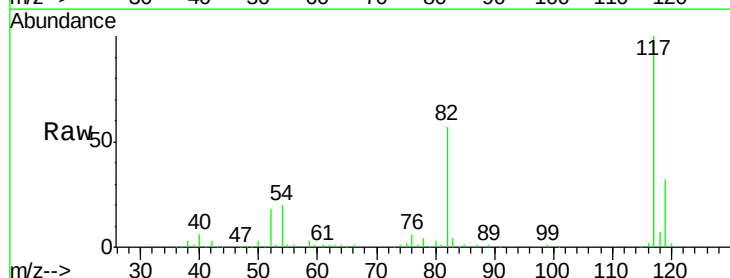


Abundance Ion 94.90 (94.60 to 95.60): VN063006.D (-3205) (-)
 Ion 173.80 (173.50 to 174.50): VN063006.D (-3205) (-)
 Ion 175.80 (175.50 to 176.50): VN063006.D (-3205) (-)

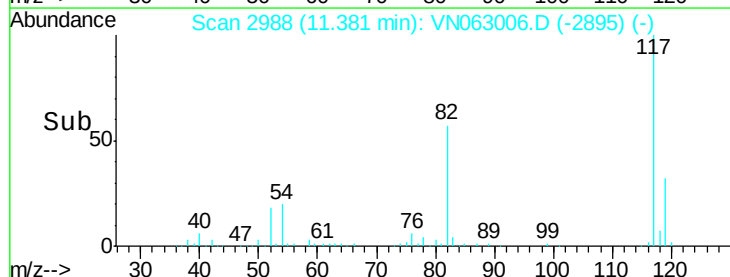
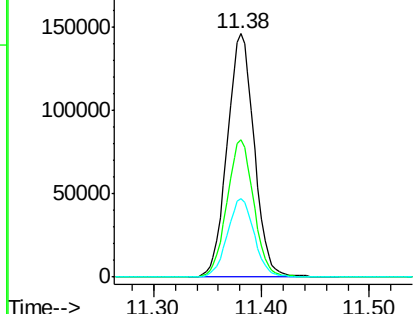


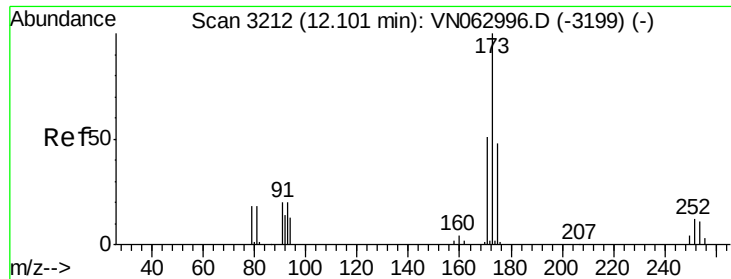
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.38 min Scan# 2988
 Delta R.T. 0.00 min
 Lab File: VN063006.D
 Acq: 19 Aug 2020 12:13

Tgt Ion: 117 Resp: 254797
 Ion Ratio Lower Upper
 117 100
 82 56.5 44.5 66.7
 119 32.0 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VN063006.D (-2895) (-)
 Ion 82.00 (81.70 to 82.70): VN063006.D (-2895) (-)
 Ion 118.90 (118.60 to 119.60): VN063006.D (-2895) (-)

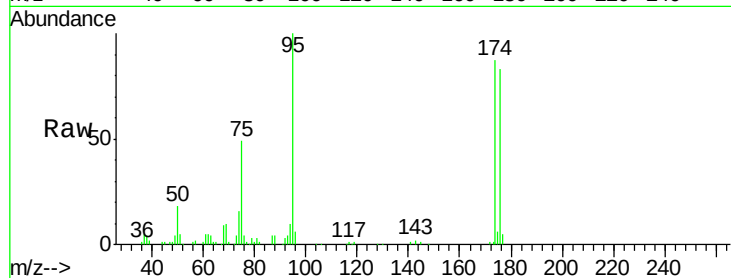




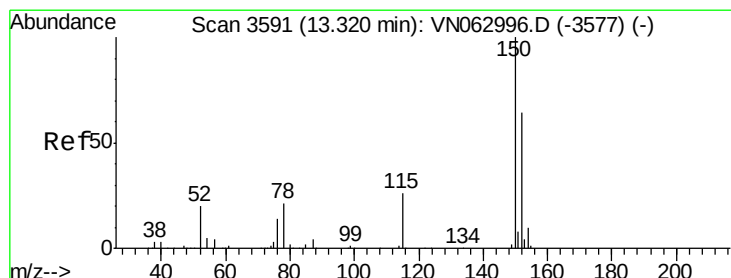
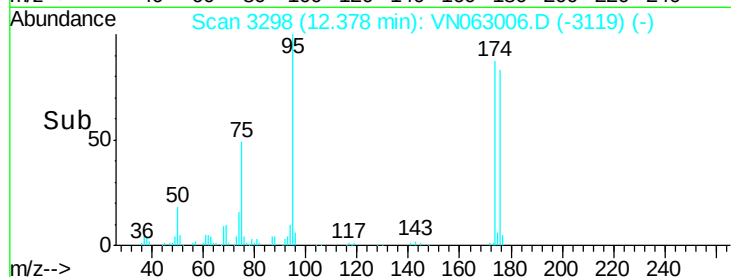
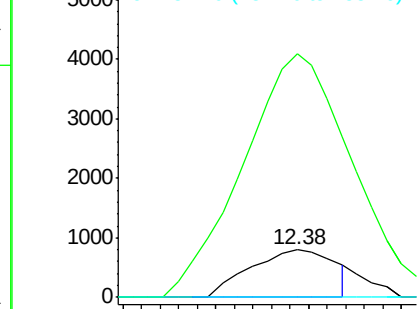
#71
Bromoform
Concen: 0.644 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN063006.D
Acq: 19 Aug 2020 12:13

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-TB-20200812

Tgt Ion:173 Resp: 1021
Ion Ratio Lower Upper
173 100
175 549.7 24.3 72.8#
254 0.0 0.0 0.0

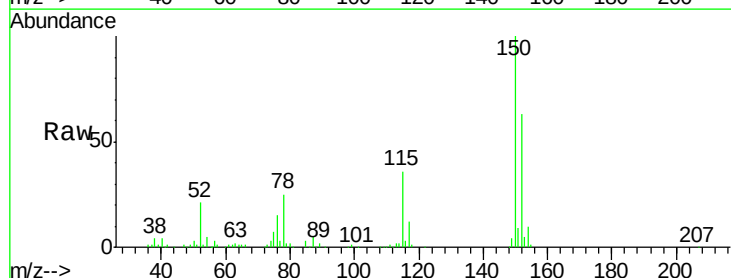


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

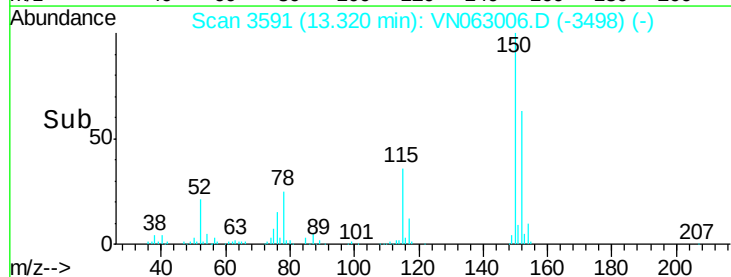
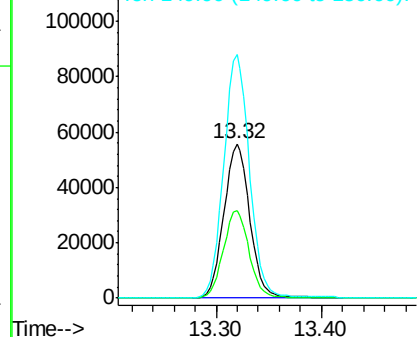


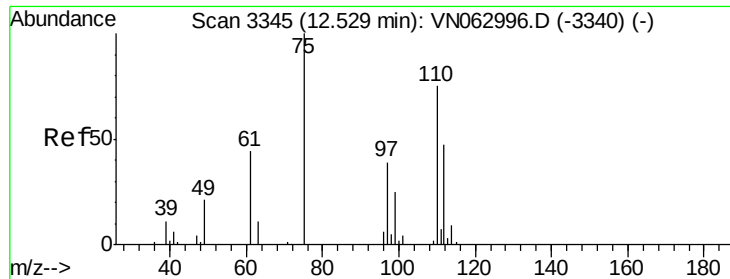
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN063006.D
Acq: 19 Aug 2020 12:13

Tgt Ion:152 Resp: 94819
Ion Ratio Lower Upper
152 100
115 56.4 28.7 86.3
150 158.2 0.0 348.8



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

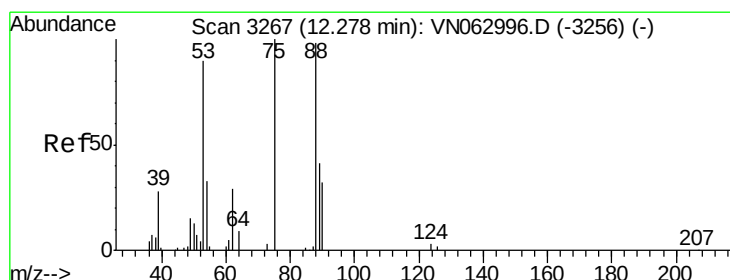
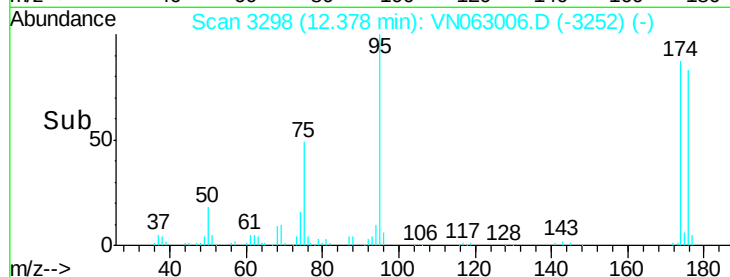
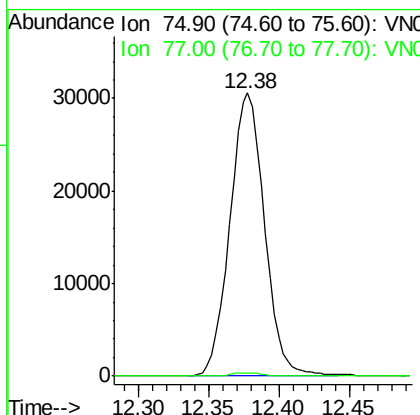
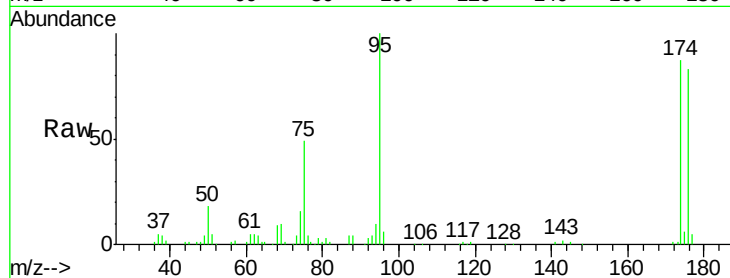




#76
 1,2,3-Trichloropropane
 Concen: 28.527 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN063006.D
 Acq: 19 Aug 2020 12:13

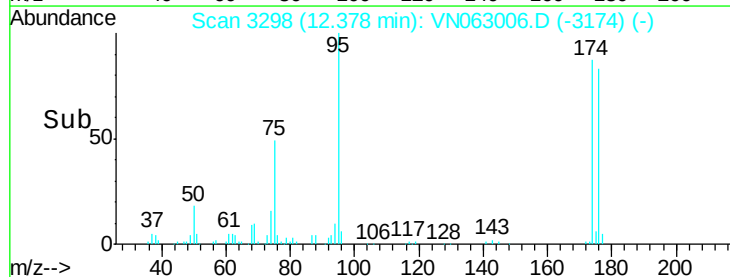
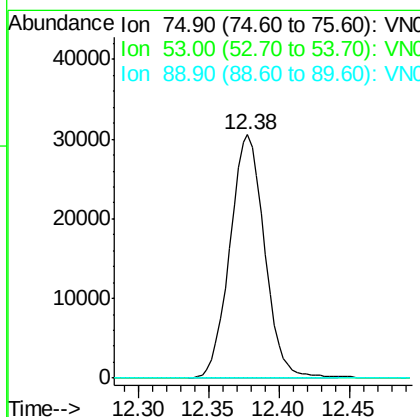
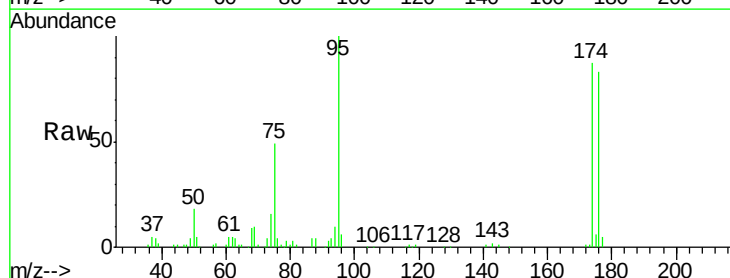
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-TB-20200812

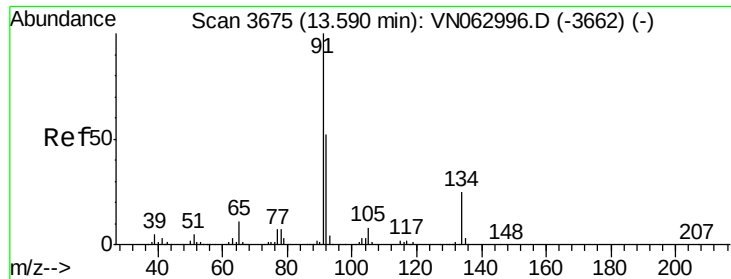
Tgt Ion: 75 Resp: 52577
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.348 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN063006.D
 Acq: 19 Aug 2020 12:13

Tgt Ion: 75 Resp: 52577
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.2 103.8#
 89 0.0 34.2 51.4#





#89

n-Butylbenzene

Concen: 2.776 ug/l

RT: 13.60 min Scan# 3679

Delta R.T. 0.01 min

Lab File: VN063006.D

Acq: 19 Aug 2020 12:13

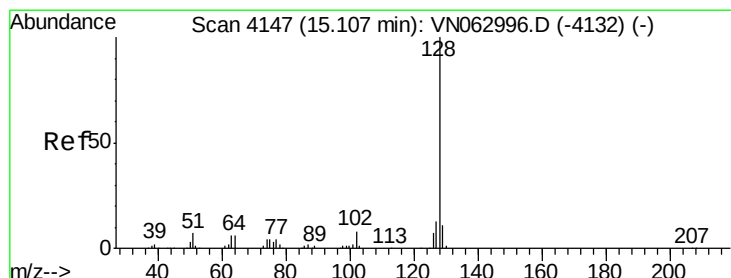
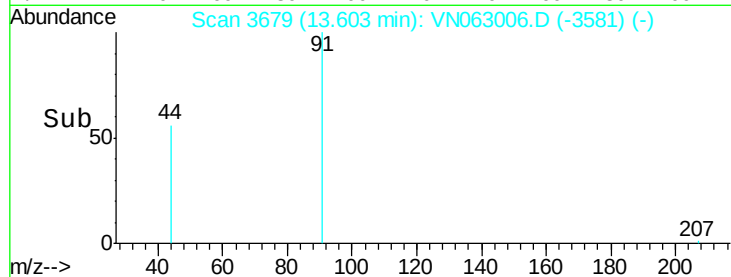
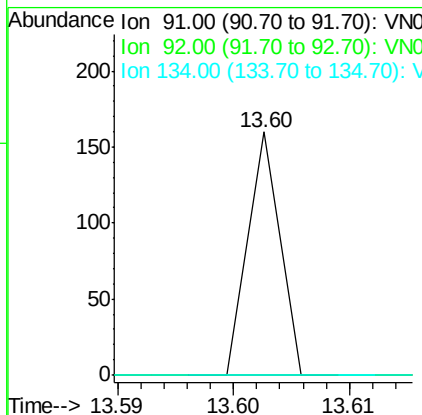
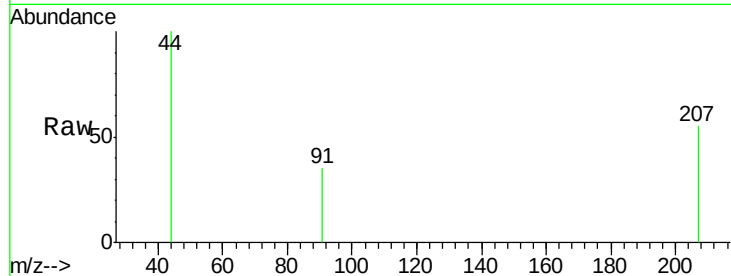
Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-TB-20200812

Tgt Ion:	91	Resp:	31
Ion	Ratio	Lower	Upper
91	100		
92	0.0	25.9	77.6#
134	0.0	12.4	37.0#



#95

Naphthalene

Concen: 5.677 ug/l

RT: 15.12 min Scan# 4150

Delta R.T. 0.01 min

Lab File: VN063006.D

Acq: 19 Aug 2020 12:13

Tgt Ion:	128	Resp:	149
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.9	13.3#

