

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081920\
 Data File : VN063007.D
 Acq On : 19 Aug 2020 12:38
 Operator : JC/MD
 Sample : L3718-09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-EB-20200813

Quant Time: Aug 19 13:41:10 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	147843	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	240465	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	251337	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	89813	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	91952	52.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.96%	
35) Dibromofluoromethane	7.55	113	81265	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	
50) Toluene-d8	10.06	98	312332	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	
62) 4-Bromofluorobenzene	12.38	95	104291	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	

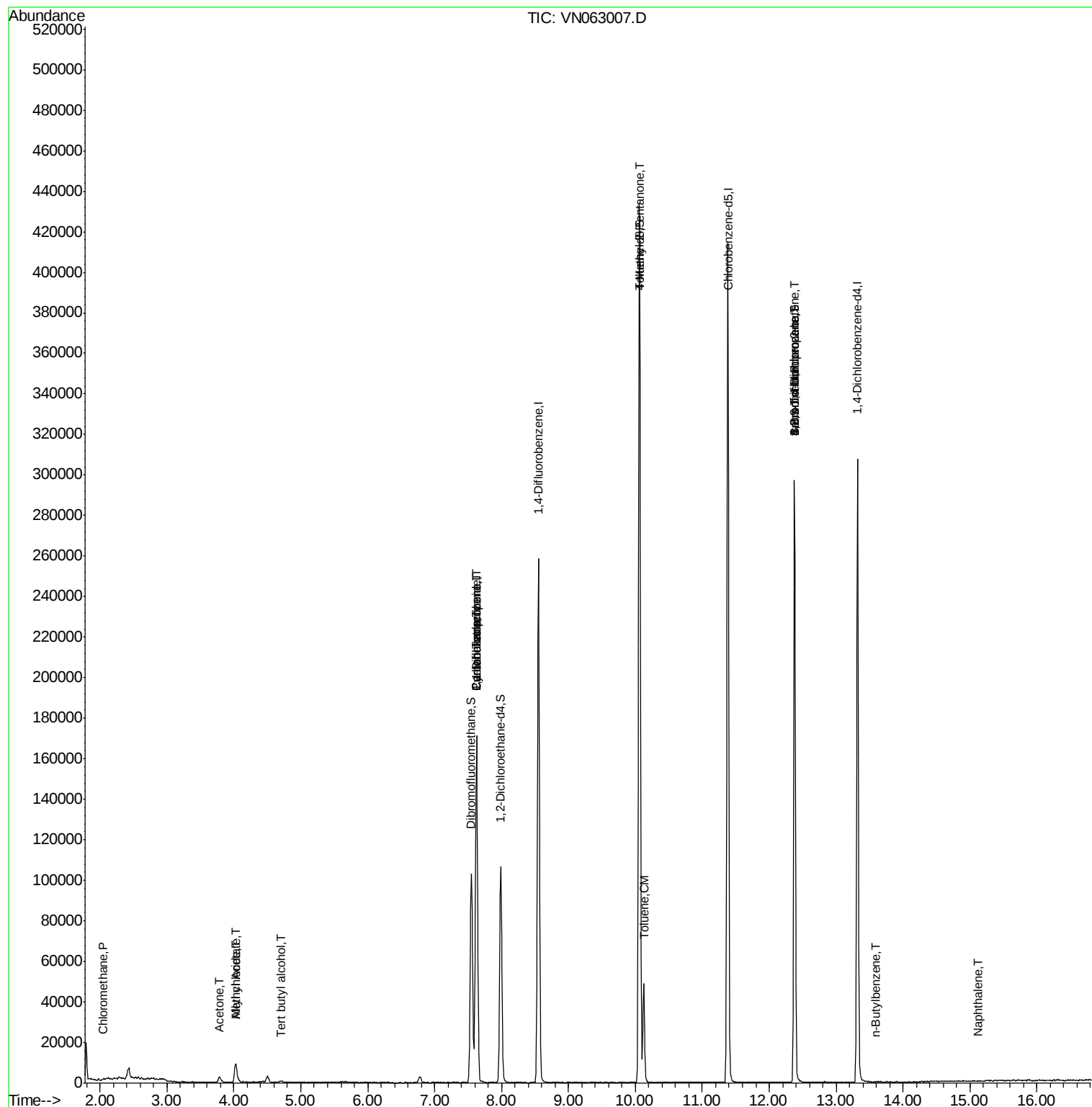
Target Compounds						Qvalue
3) Chloromethane	2.04	50	439	0.217	ug/l #	70
11) Tert butyl alcohol	4.71	59	522	2.103	ug/l #	74
14) Allyl chloride	4.03	41	1466	0.663	ug/l #	74
16) Acetone	3.78	43	4947	5.213	ug/l	93
18) Methyl Acetate	4.03	43	4398	2.526	ug/l #	52
20) Methylene Chloride	4.51	84	1940	Below Cal		91
31) Cyclohexane	7.63	56	2614	1.012	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	10219	4.822	ug/l #	48
38) Carbon Tetrachloride	7.63	117	13329	6.230	ug/l #	17
51) 4-Methyl-2-Pentanone	10.06	43	1117	0.537	ug/l #	1
52) Toluene	10.13	92	21624	5.333	ug/l	100
71) Bromoform	12.38	173	889	0.569	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	50476	28.913	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	50476	79.409	ug/l #	15
89) n-Butylbenzene	13.60	91	60	2.782	ug/l #	34
95) Naphthalene	15.11	128	63	5.658	ug/l #	69

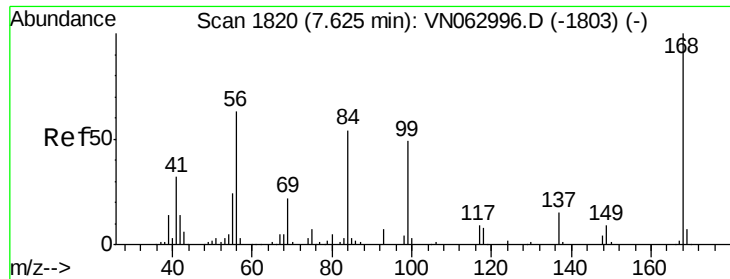
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN063007.D

Acq: 19 Aug 2020 12:38

Instrument :

MSVOA_N

ClientSampleId :

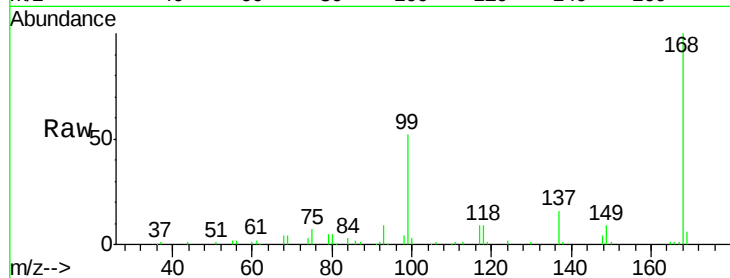
BP-VPB181-EB-20200813

Tgt Ion:168 Resp: 147843

Ion Ratio Lower Upper

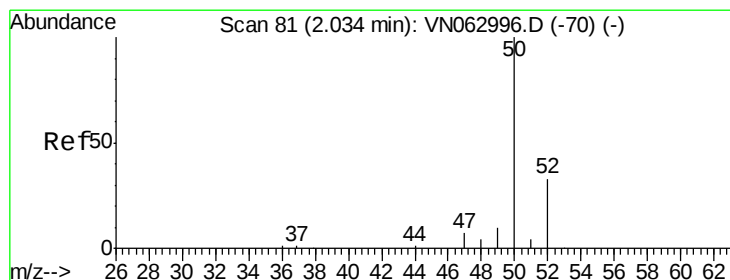
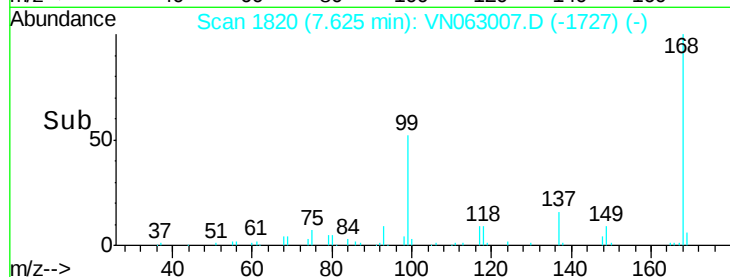
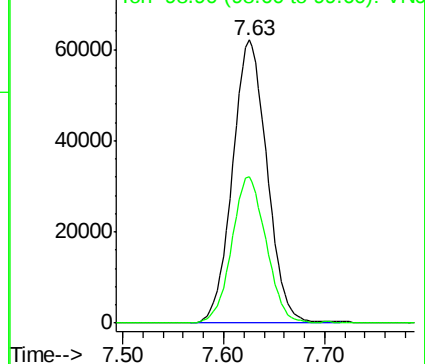
168 100

99 51.9 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#3

Chloromethane

Concen: 0.217 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.01 min

Lab File: VN063007.D

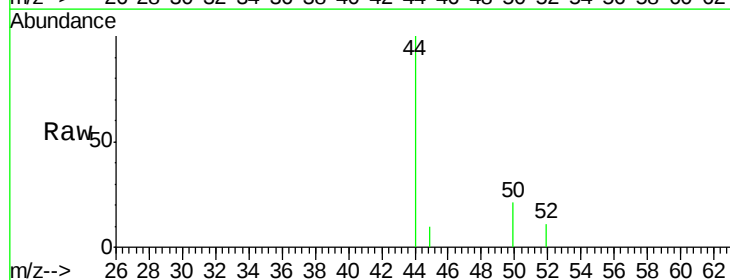
Acq: 19 Aug 2020 12:38

Tgt Ion: 50 Resp: 439

Ion Ratio Lower Upper

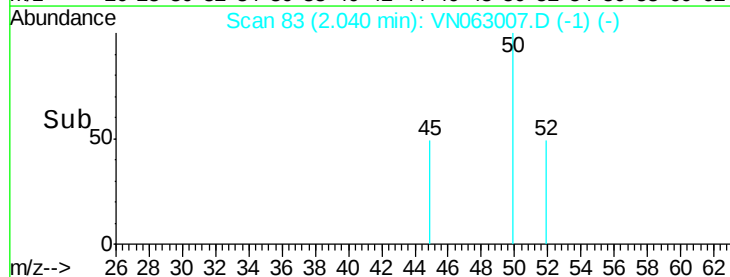
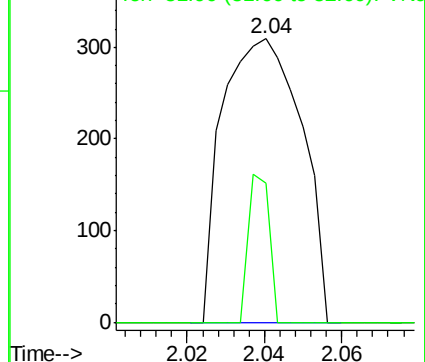
50 100

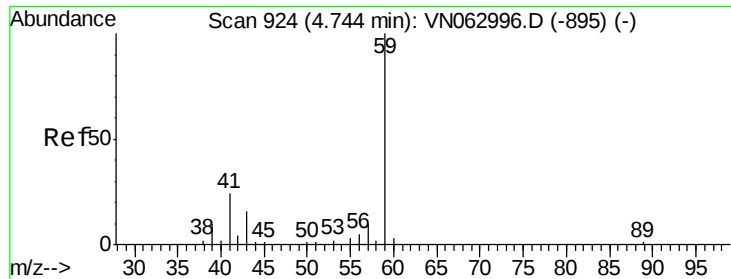
52 49.2 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

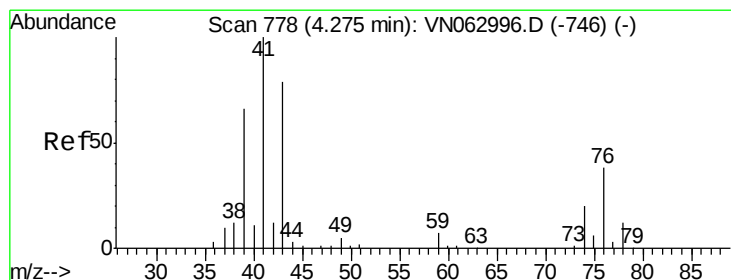
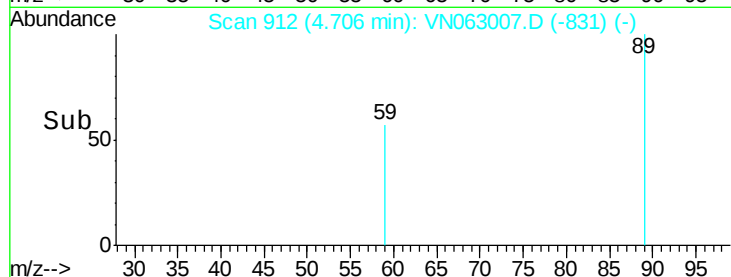
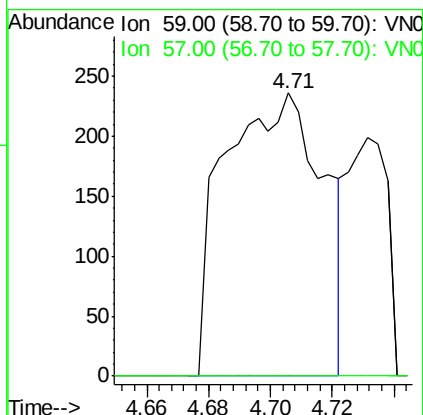
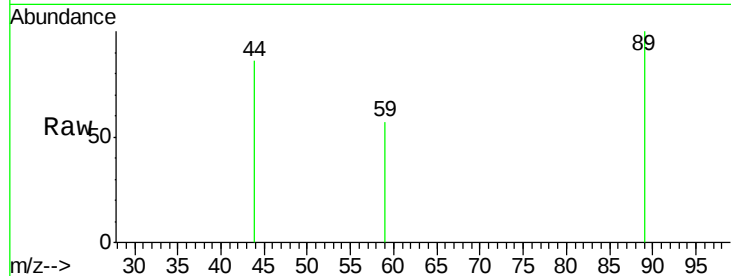




#11
Tert butyl alcohol
Concen: 2.103 ug/l
RT: 4.71 min Scan# 912
Delta R.T. -0.04 min
Lab File: VN063007.D
Acq: 19 Aug 2020 12:38

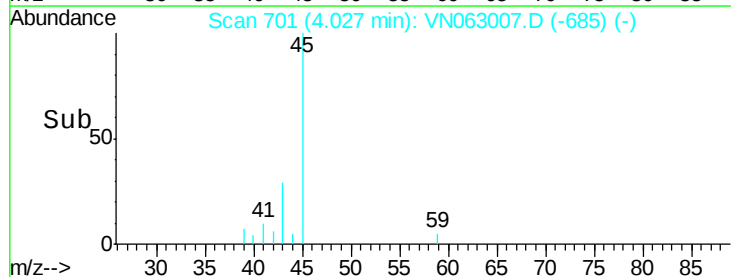
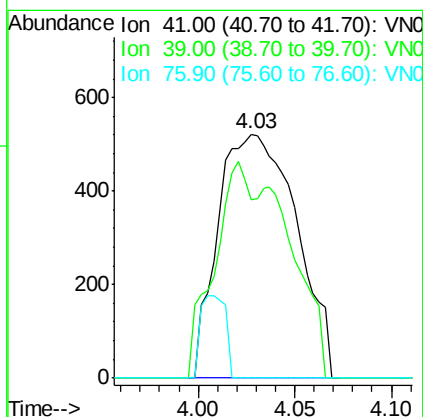
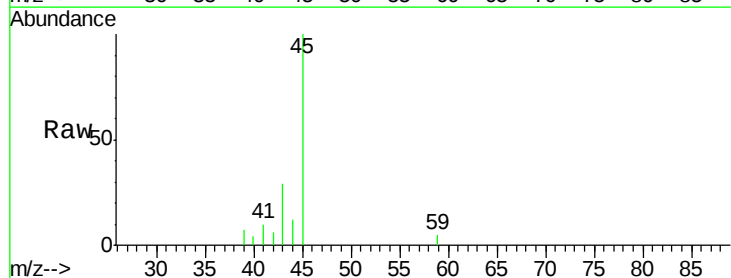
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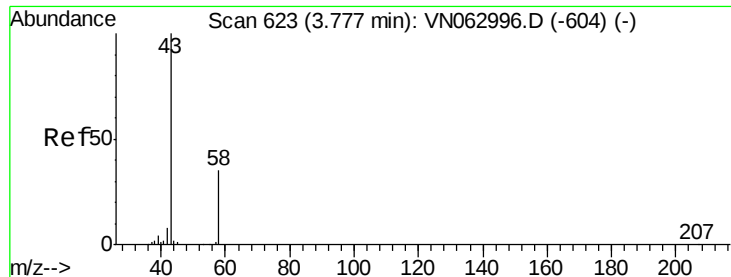
Tgt Ion: 59 Resp: 522
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#14
Allyl chloride
Concen: 0.663 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.25 min
Lab File: VN063007.D
Acq: 19 Aug 2020 12:38

Tgt Ion: 41 Resp: 1466
Ion Ratio Lower Upper
41 100
39 46.0 47.9 71.9#
76 10.9 27.0 40.6#





#16

Acetone

Concen: 5.213 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN063007.D

Acq: 19 Aug 2020 12:38

Instrument :

MSVOA_N

ClientSampleId :

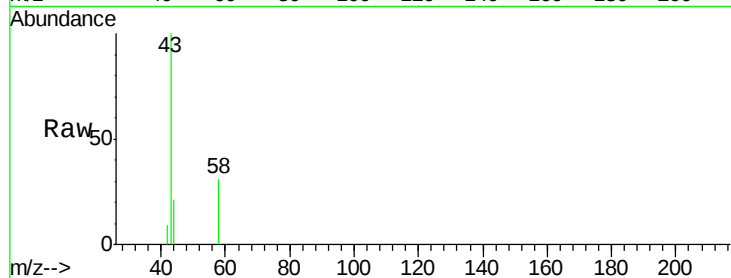
BP-VPB181-EB-20200813

Tgt Ion: 43 Resp: 4947

Ion Ratio Lower Upper

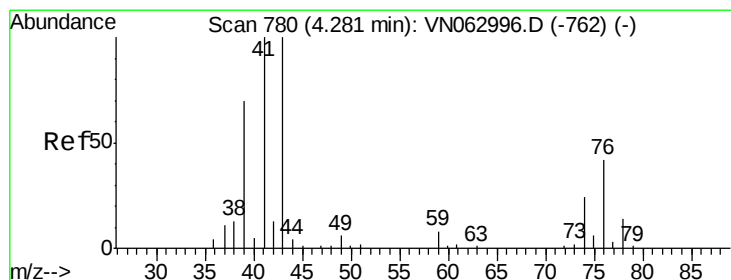
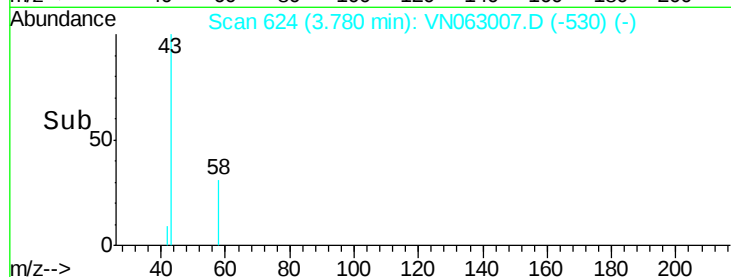
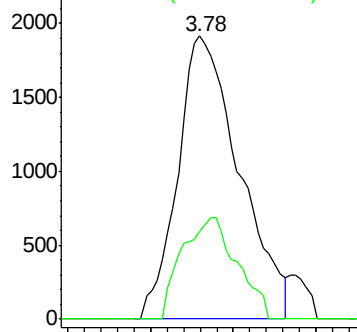
43 100

58 30.8 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 2.526 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.25 min

Lab File: VN063007.D

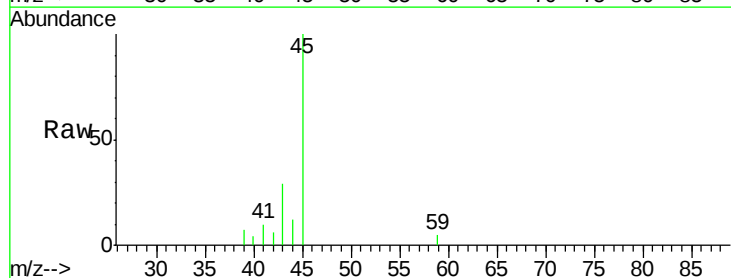
Acq: 19 Aug 2020 12:38

Tgt Ion: 43 Resp: 4398

Ion Ratio Lower Upper

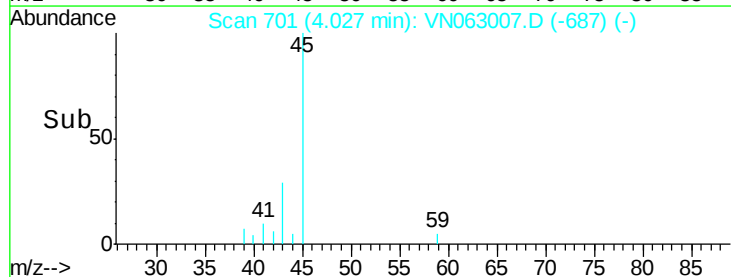
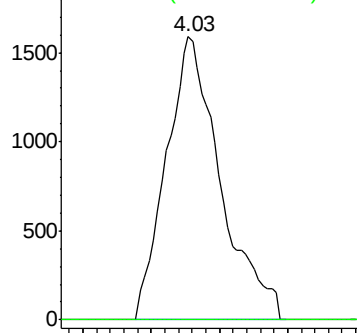
43 100

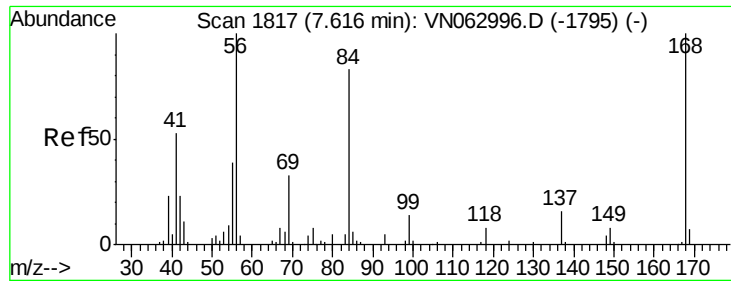
74 0.0 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

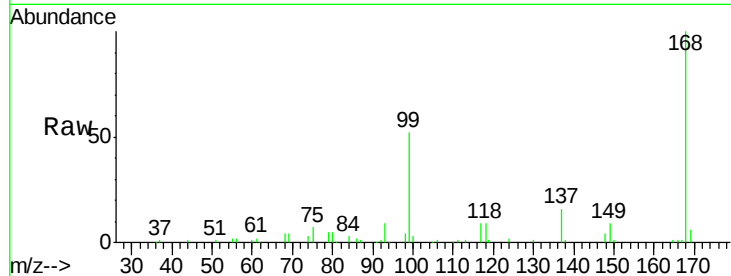




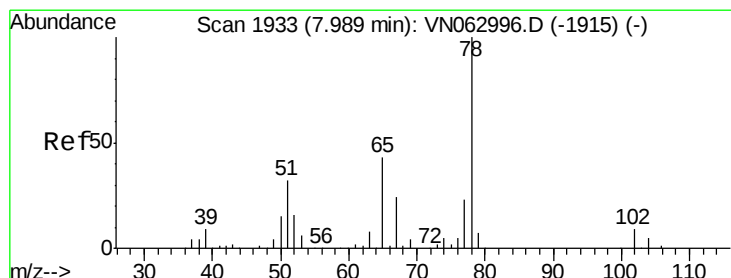
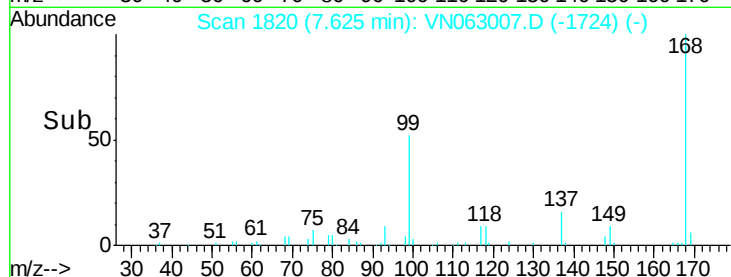
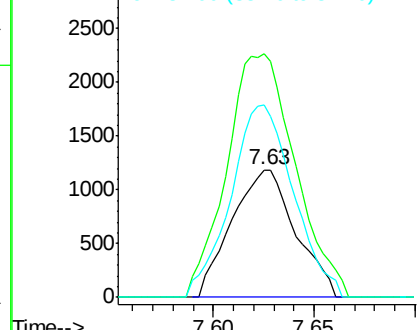
#31
Cyclohexane
Concen: 1.012 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN063007.D
Acq: 19 Aug 2020 12:38

Instrument :
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Tgt Ion: 56 Resp: 2614
Ion Ratio Lower Upper
56 100
69 177.7 26.6 40.0#
84 150.3 66.4 99.6#

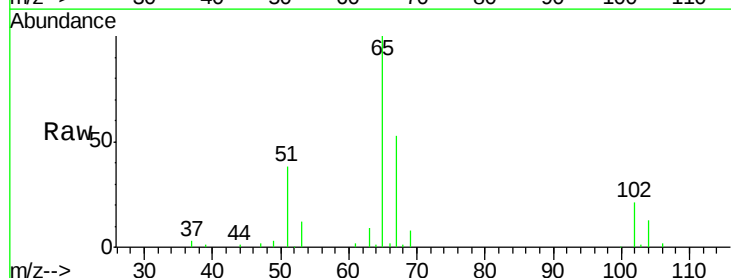


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

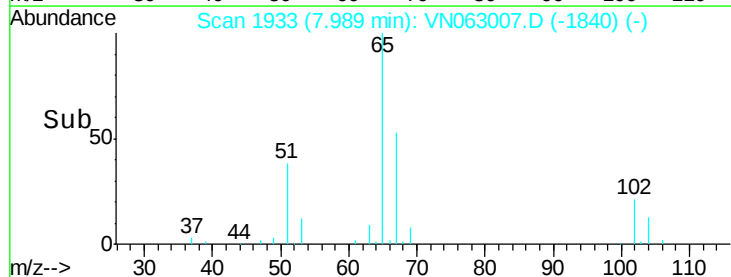
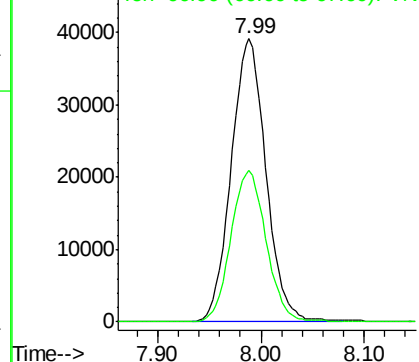


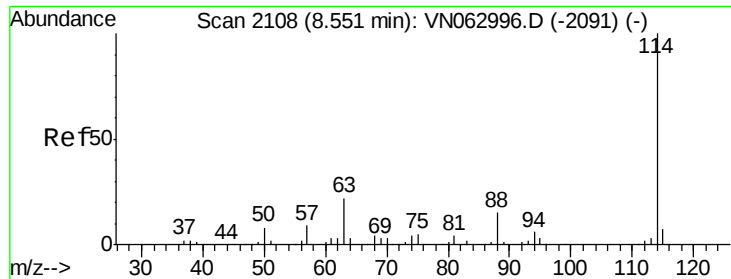
#33
1,2-Dichloroethane-d4
Concen: 52.478 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. 0.00 min
Lab File: VN063007.D
Acq: 19 Aug 2020 12:38

Tgt Ion: 65 Resp: 91952
Ion Ratio Lower Upper
65 100
67 54.0 0.0 112.0



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

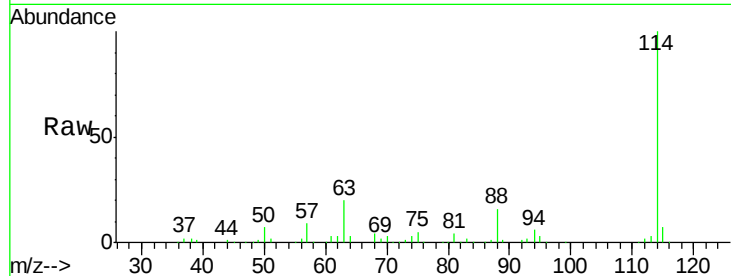




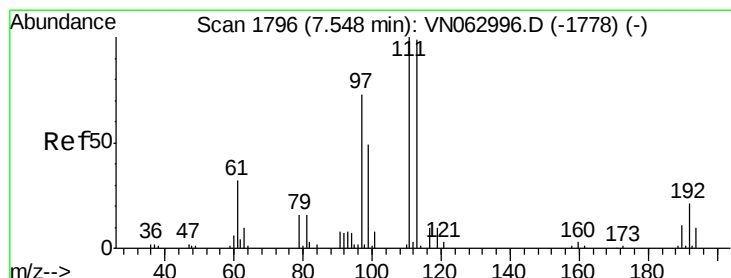
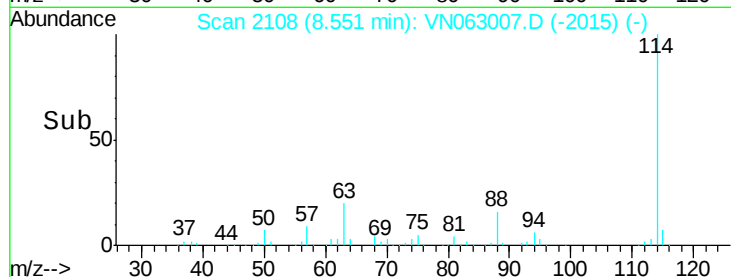
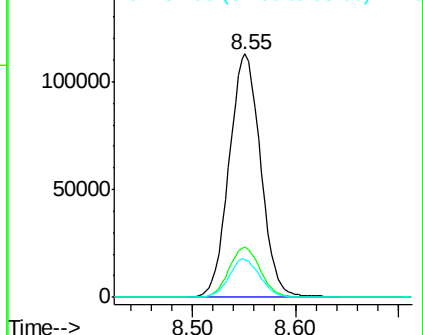
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN063007.D
 Acq: 19 Aug 2020 12:38

Instrument :
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 ClientSampleId :
 BP-VPB181-EB-20200813

Tgt Ion:114 Resp: 240465
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 43.2
 88 15.6 0.0 30.6

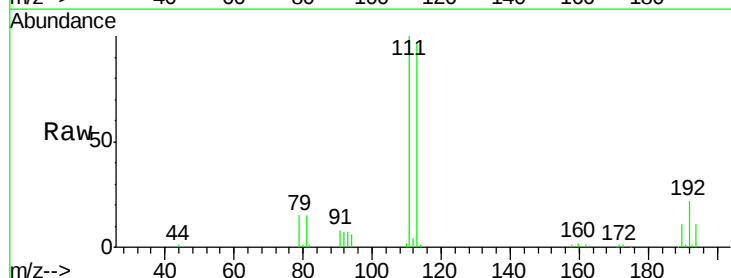


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

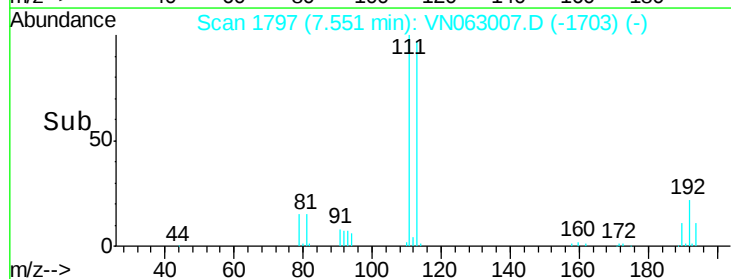
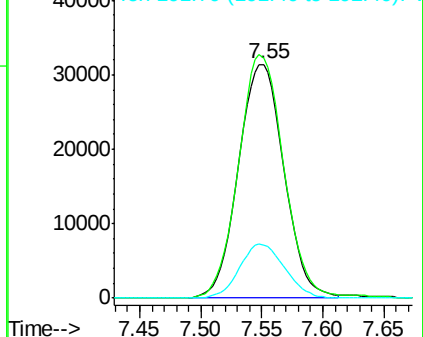


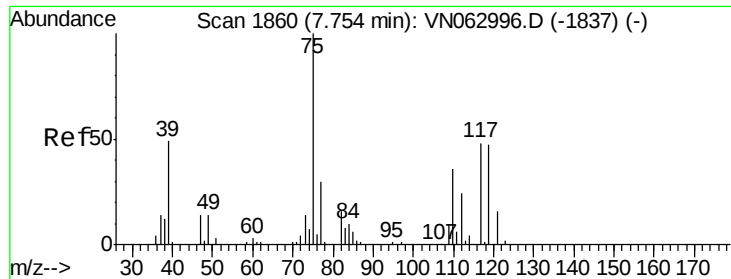
#35
 Dibromofluoromethane
 Concen: 51.865 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN063007.D
 Acq: 19 Aug 2020 12:38

Tgt Ion:113 Resp: 81265
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.7 122.5
 192 22.7 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

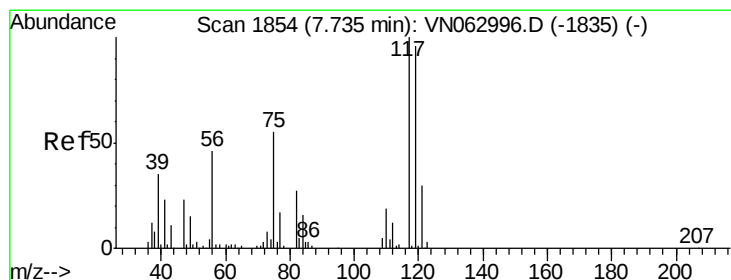
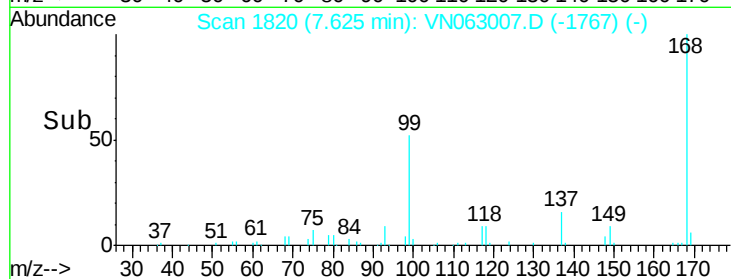
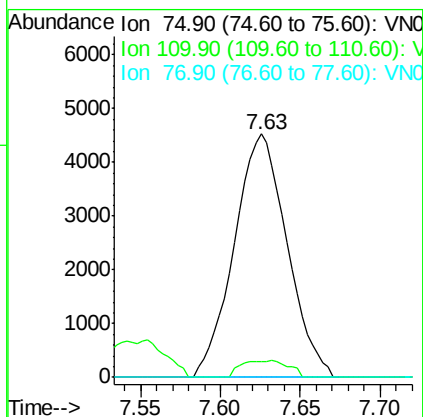
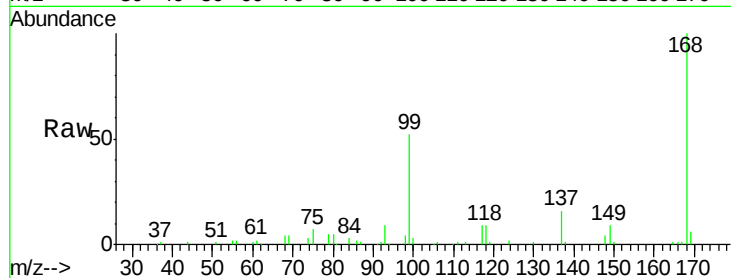




#36
 1,1-Dichloropropene
 Concen: 4.822 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN063007.D
 Acq: 19 Aug 2020 12:38

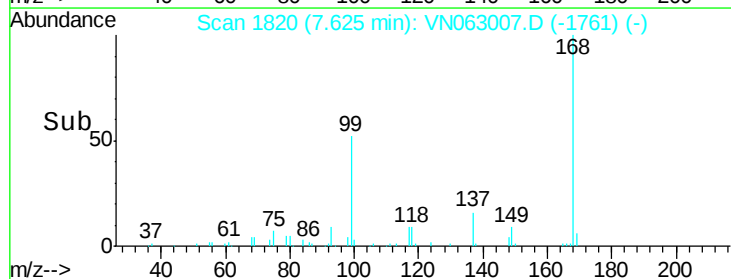
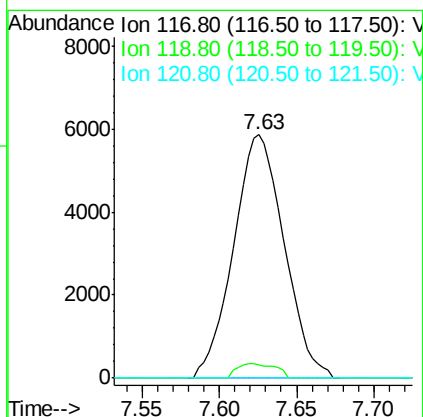
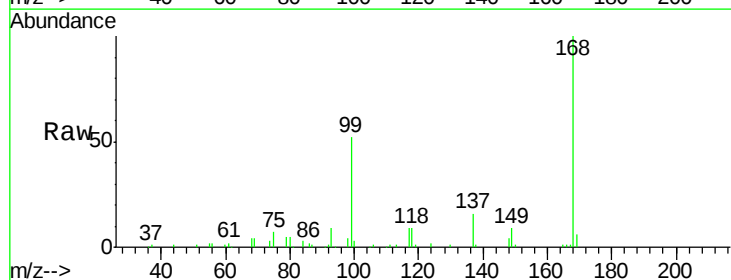
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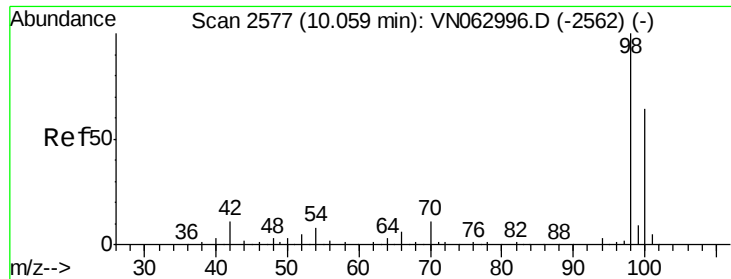
Tgt Ion: 75 Resp: 10219
 Ion Ratio Lower Upper
 75 100
 110 6.2 17.5 52.6#
 77 0.0 24.2 36.4#



#38
 Carbon Tetrachloride
 Concen: 6.230 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN063007.D
 Acq: 19 Aug 2020 12:38

Tgt Ion: 117 Resp: 13329
 Ion Ratio Lower Upper
 117 100
 119 5.5 76.2 114.4#
 121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 51.896 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN063007.D

Acq: 19 Aug 2020 12:38

Instrument :

MSVOA_N

ClientSampleId :

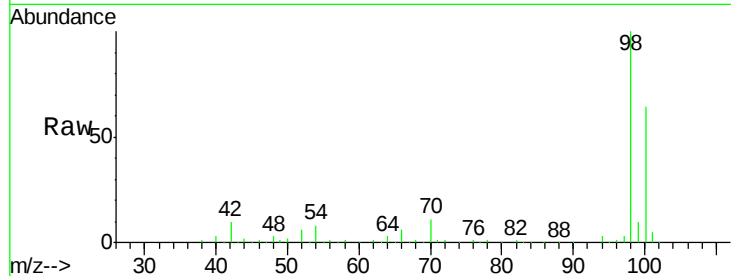
BP-VPB181-EB-20200813

Tgt Ion: 98 Resp: 312332

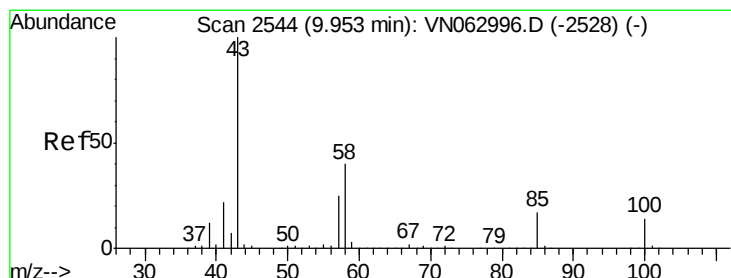
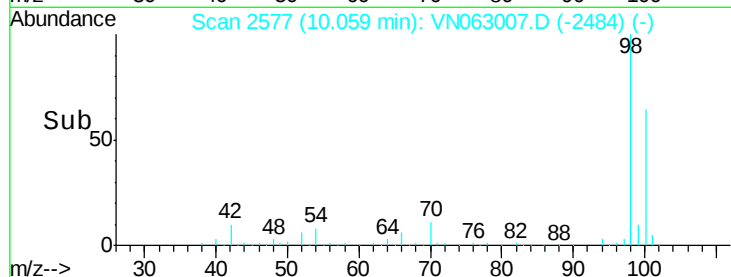
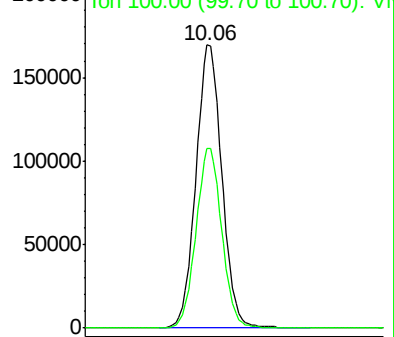
Ion Ratio Lower Upper

98 100

100 63.2 51.2 76.8



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



#51

4-Methyl-2-Pentanone

Concen: 0.537 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.11 min

Lab File: VN063007.D

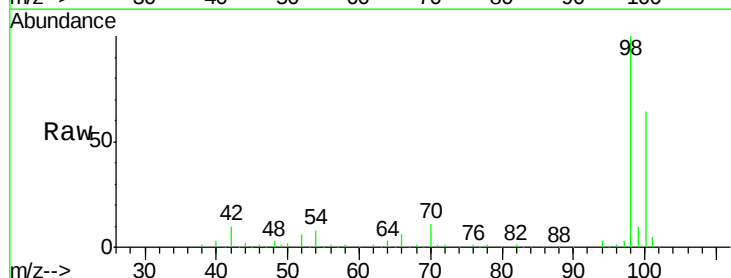
Acq: 19 Aug 2020 12:38

Tgt Ion: 43 Resp: 1117

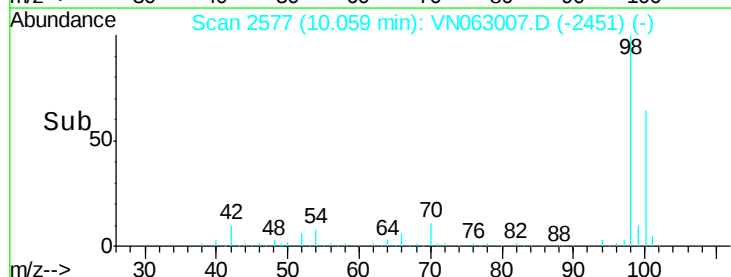
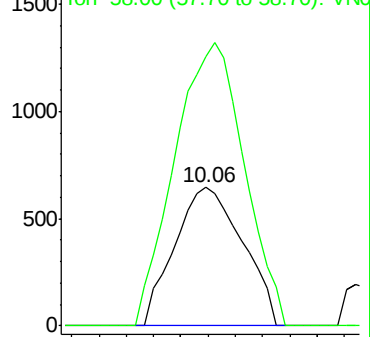
Ion Ratio Lower Upper

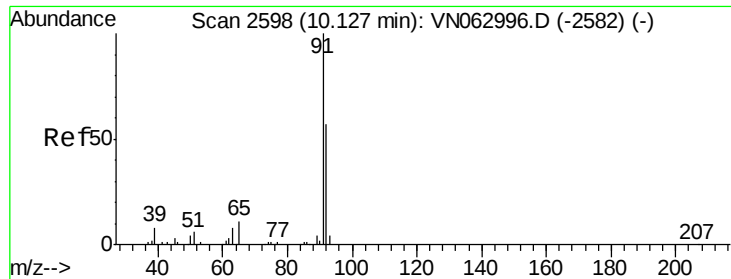
43 100

58 209.4 32.2 48.2#



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





#52

Toluene

Concen: 5.333 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN063007.D

Acq: 19 Aug 2020 12:38

Instrument :

MSVOA_N

ClientSampleId :

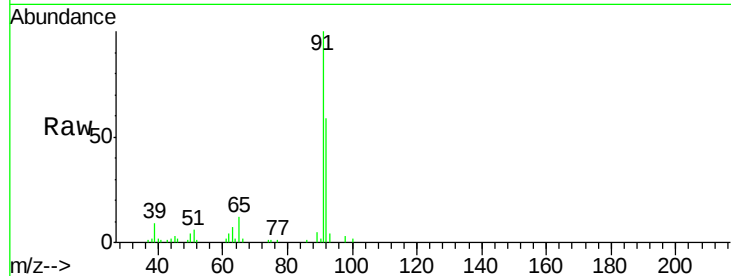
BP-VPB181-EB-20200813

Tgt Ion: 92 Resp: 21624

Ion Ratio Lower Upper

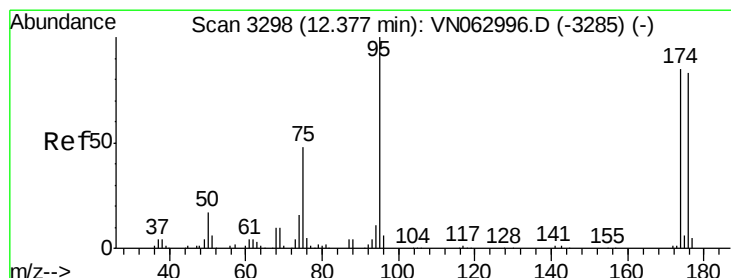
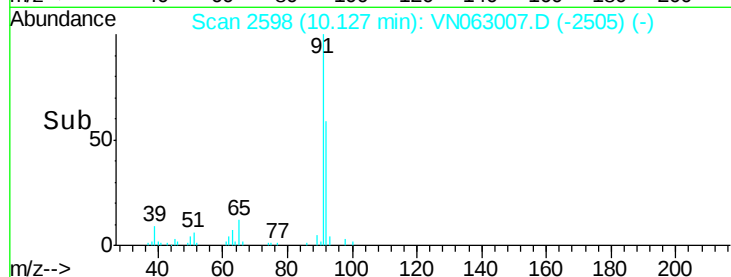
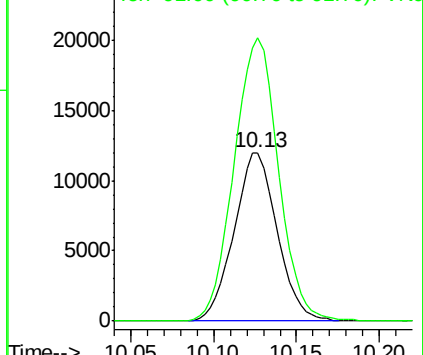
92 100

91 173.6 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VN062996.D (-2582) (-)

Ion 91.00 (90.70 to 91.70): VN062996.D (-2582) (-)



#62

4-Bromofluorobenzene

Concen: 49.106 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN063007.D

Acq: 19 Aug 2020 12:38

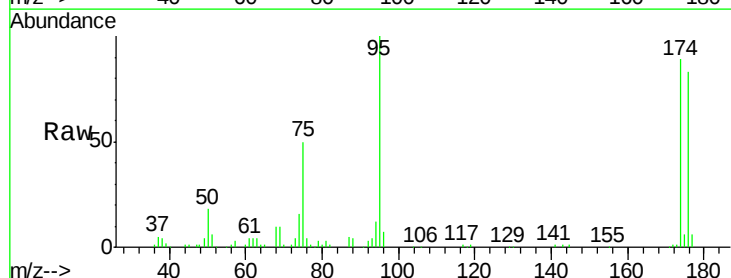
Tgt Ion: 95 Resp: 104291

Ion Ratio Lower Upper

95 100

174 87.6 0.0 170.8

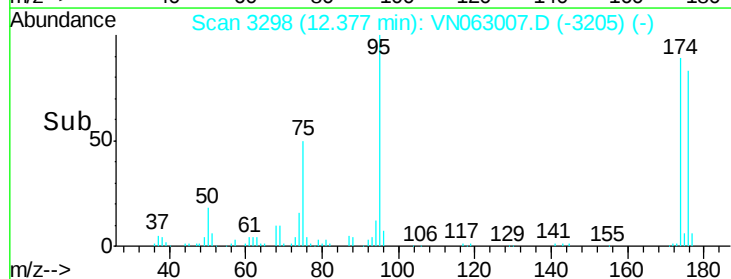
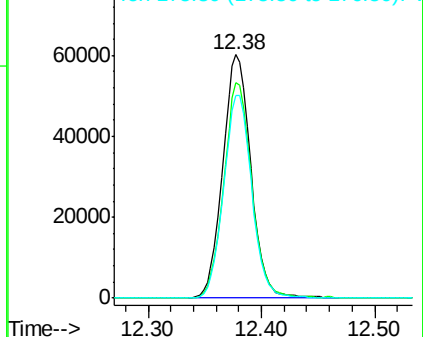
176 83.2 0.0 164.8

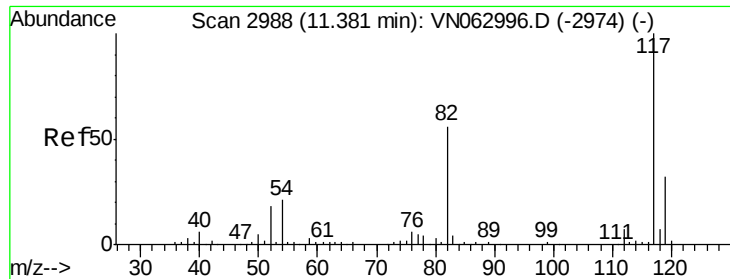


Abundance Ion 94.90 (94.60 to 95.60): VN062996.D (-3285) (-)

Ion 173.80 (173.50 to 174.50): VN062996.D (-3285) (-)

Ion 175.80 (175.50 to 176.50): VN062996.D (-3285) (-)





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN063007.D

Acq: 19 Aug 2020 12:38

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-EB-20200813

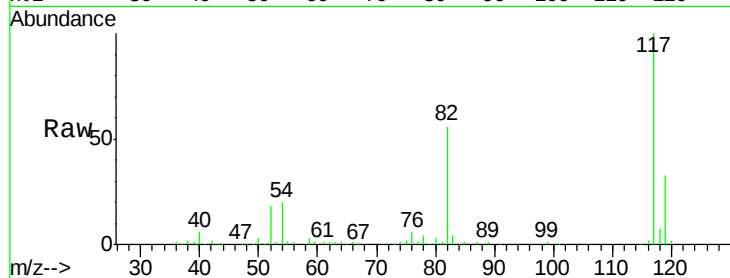
Tgt Ion:117 Resp: 251337

Ion Ratio Lower Upper

117 100

82 55.6 44.5 66.7

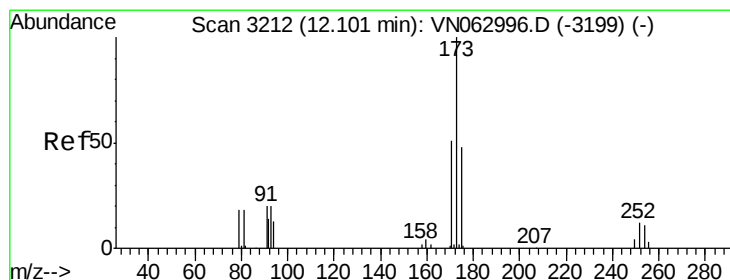
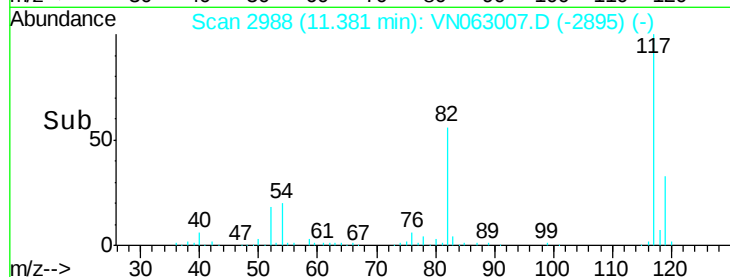
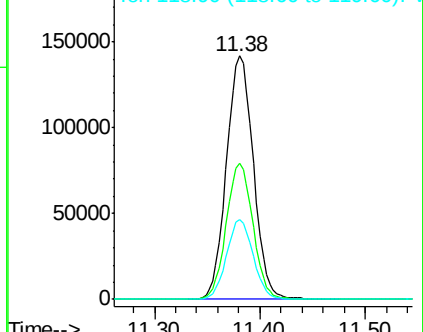
119 32.7 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN062996.D (-2974) (-)

Ion 118.90 (118.60 to 119.60): VN062996.D (-2974) (-)



#71

Bromoform

Concen: 0.569 ug/l

RT: 12.38 min Scan# 3299

Delta R.T. 0.28 min

Lab File: VN063007.D

Acq: 19 Aug 2020 12:38

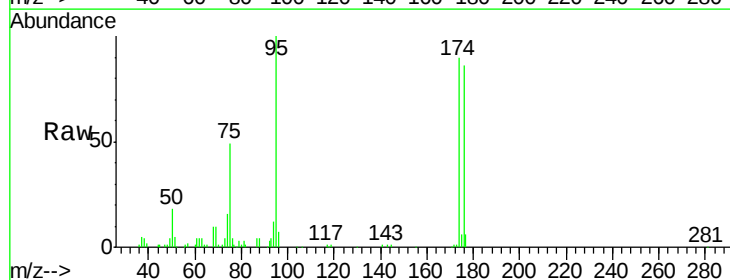
Tgt Ion:173 Resp: 889

Ion Ratio Lower Upper

173 100

175 599.7 24.3 72.8#

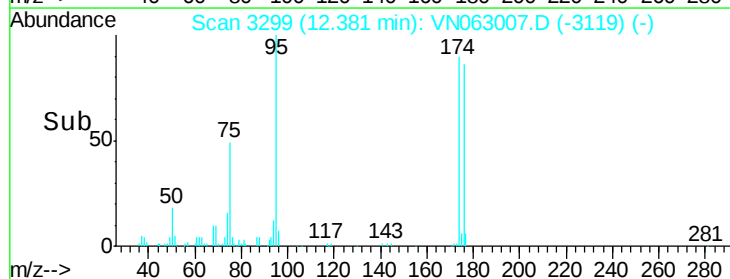
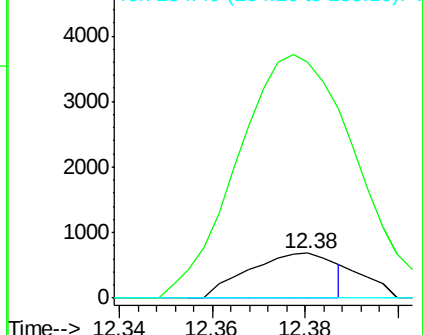
254 0.0 0.0 0.0

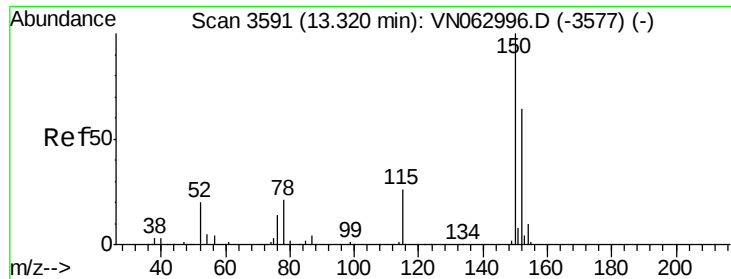


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): VN062996.D (-3199) (-)

Ion 254.40 (254.10 to 255.10): VN062996.D (-3199) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN063007.D

Acq: 19 Aug 2020 12:38

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-EB-20200813

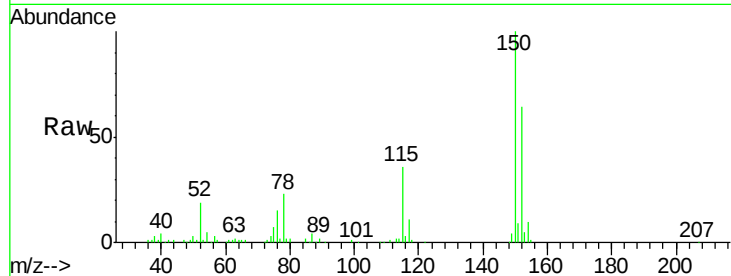
Tgt Ion:152 Resp: 89813

Ion Ratio Lower Upper

152 100

115 57.1 28.7 86.3

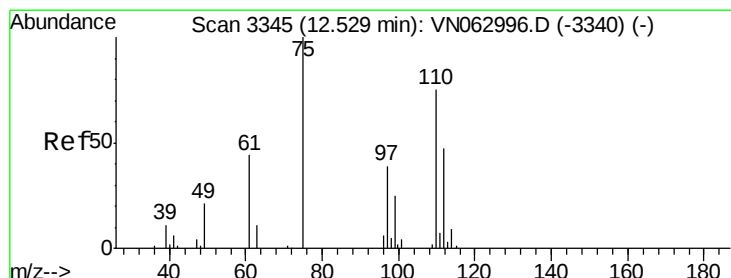
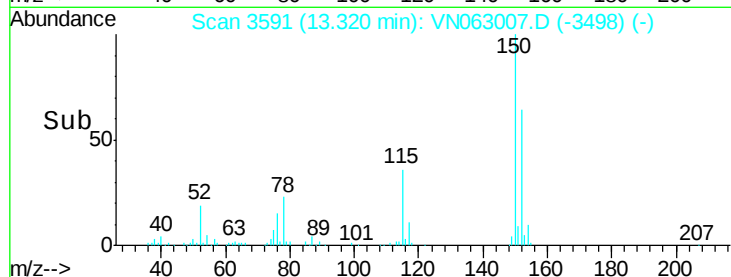
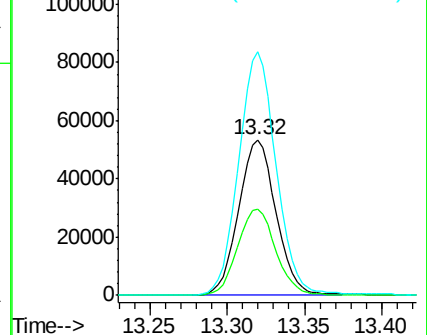
150 157.8 0.0 348.8



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: 28.913 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN063007.D

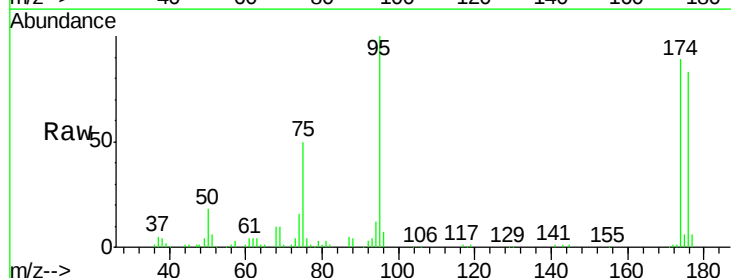
Acq: 19 Aug 2020 12:38

Tgt Ion: 75 Resp: 50476

Ion Ratio Lower Upper

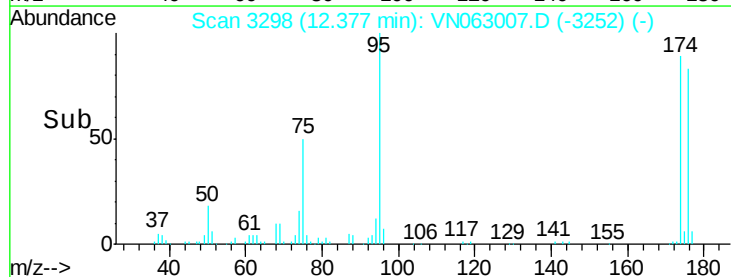
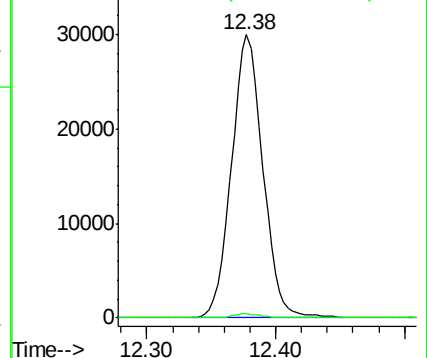
75 100

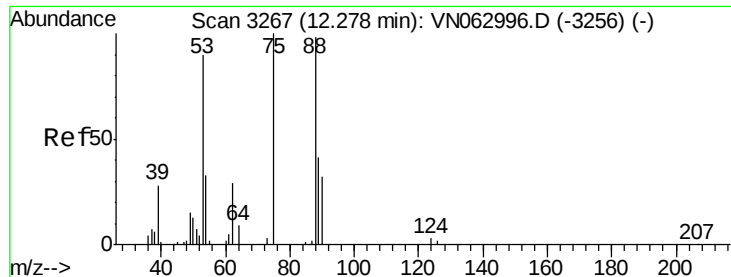
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 79.409 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN063007.D

Acq: 19 Aug 2020 12:38

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-EB-20200813

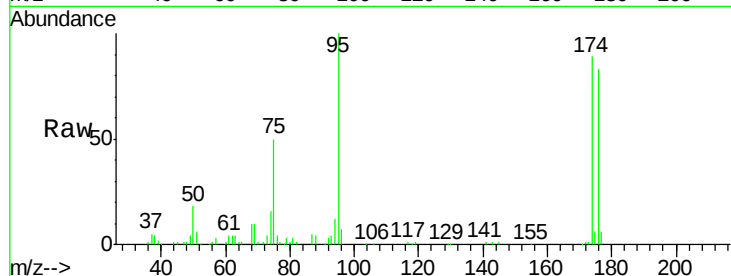
Tgt Ion: 75 Resp: 50476

Ion Ratio Lower Upper

75 100

53 0.0 69.2 103.8#

89 0.0 34.2 51.4#



Abundance Ion 74.90 (74.60 to 75.60): VN063007.D (-3174) (-)

Ion 53.00 (52.70 to 53.70): VN063007.D (-3174) (-)

Ion 88.90 (88.60 to 89.60): VN063007.D (-3174) (-)

Time-->

12.38

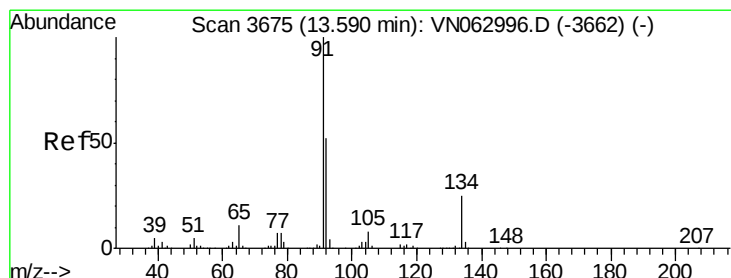
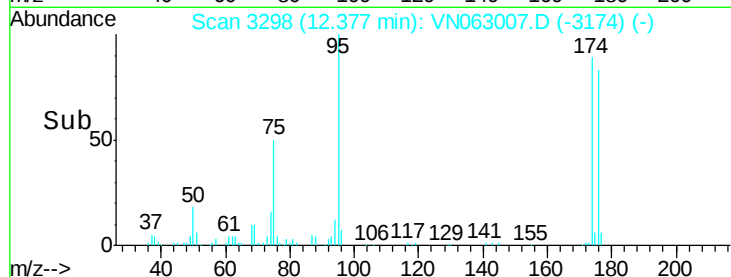
30000

20000

10000

0

12.30 12.40



#89

n-Butylbenzene

Concen: 2.782 ug/l

RT: 13.60 min Scan# 3678

Delta R.T. 0.01 min

Lab File: VN063007.D

Acq: 19 Aug 2020 12:38

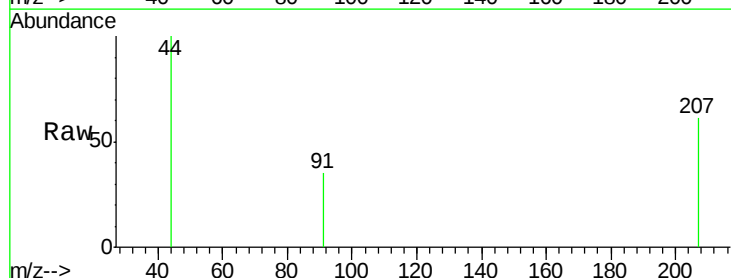
Tgt Ion: 91 Resp: 60

Ion Ratio Lower Upper

91 100

92 0.0 25.9 77.6#

134 0.0 12.4 37.0#



Abundance Ion 91.00 (90.70 to 91.70): VN063007.D (-3582) (-)

Ion 92.00 (91.70 to 92.70): VN063007.D (-3582) (-)

Ion 134.00 (133.70 to 134.70): VN063007.D (-3582) (-)

Time-->

13.60

200

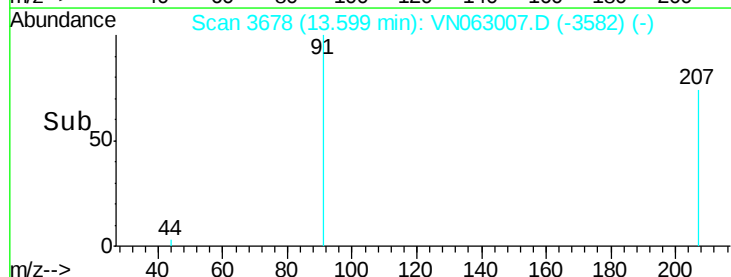
150

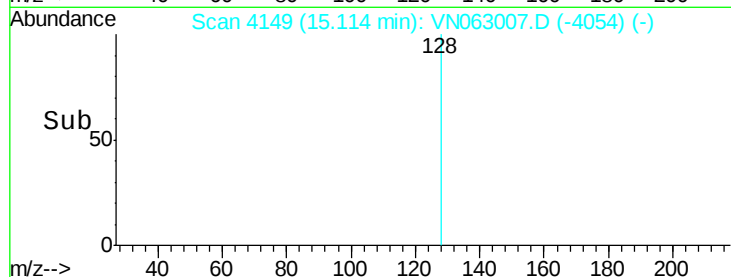
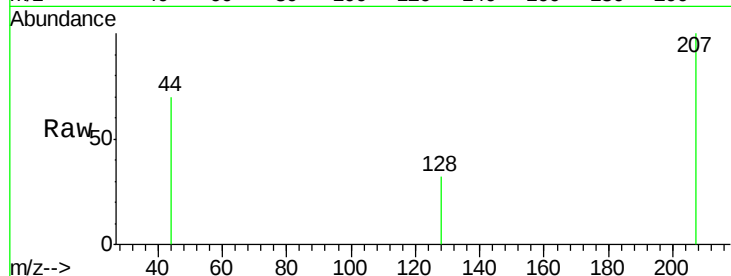
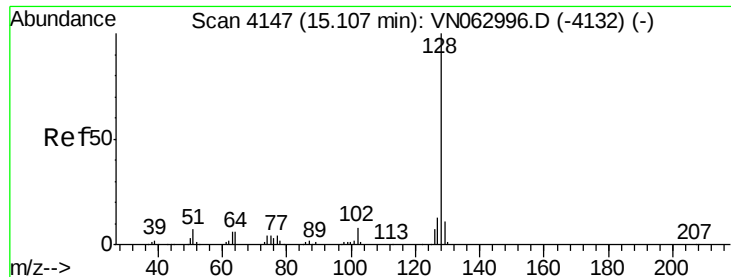
100

50

0

13.59 13.60 13.61





#95

Naphthalene

Concen: 5.658 ug/l

RT: 15.11 min Scan# 4149

Delta R.T. 0.01 min

Lab File: VN063007.D

Acq: 19 Aug 2020 12:38

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-EB-20200813

Tgt Ion:128 Resp: 63

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.9 13.3#

