

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070920\
 Data File : VN062463.D
 Acq On : 9 Jul 2020 18:37
 Operator : JC/MD
 Sample : L3192-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MW180-EB-20200630

Quant Time: Jul 10 01:07:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 00:55:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	216019	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	390612	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	376267	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	138193	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	167946	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	
35) Dibromofluoromethane	7.55	113	125430	51.95	ug/l	0.00
Spiked Amount			Recovery	=	103.90%	
50) Toluene-d8	10.06	98	499766	52.43	ug/l	0.00
Spiked Amount			Recovery	=	104.86%	
62) 4-Bromofluorobenzene	12.38	95	181252	52.04	ug/l	0.00
Spiked Amount			Recovery	=	104.08%	

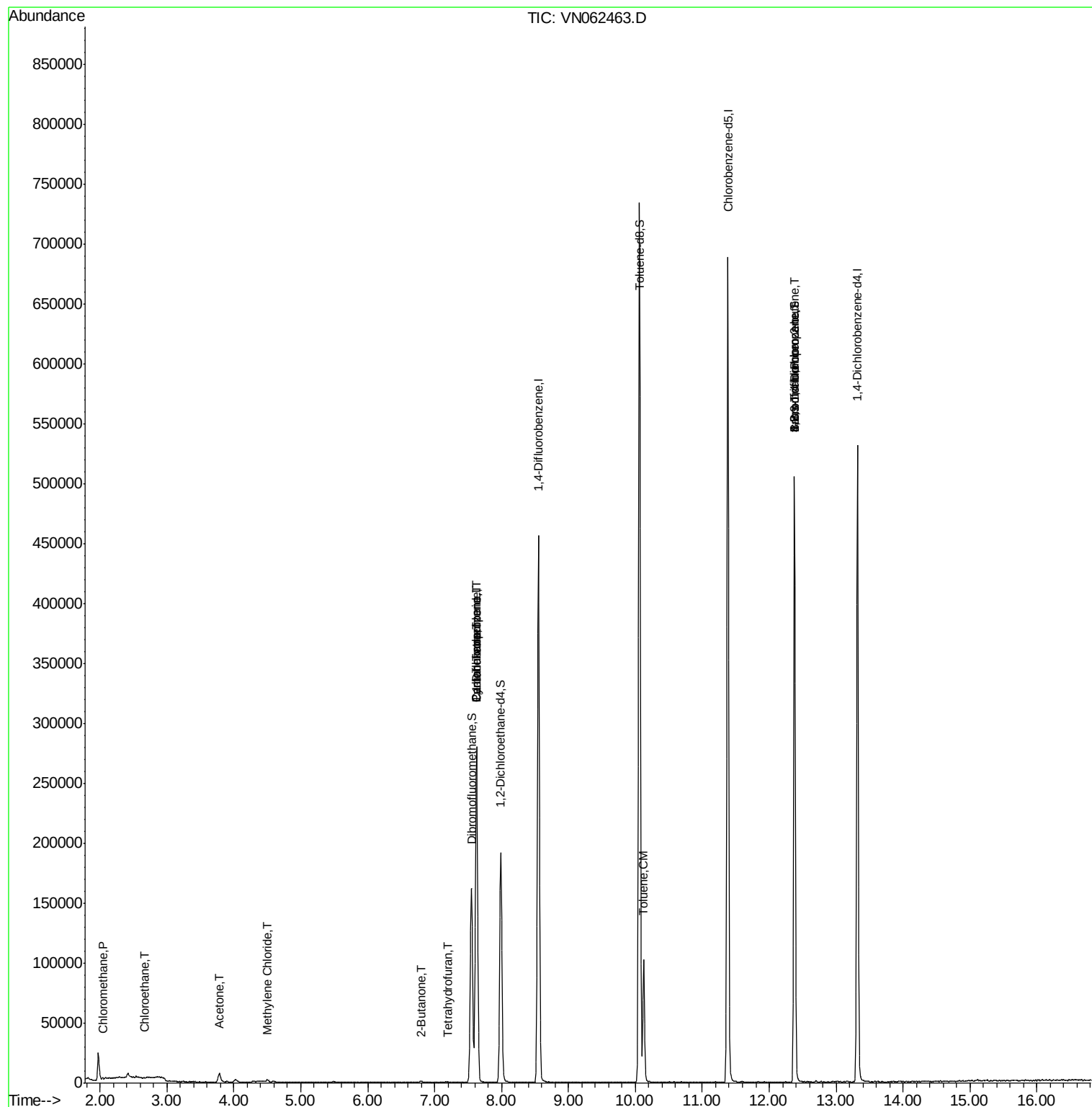
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	996	0.282	ug/l	98
6) Chloroethane	2.67	64	430	0.255	ug/l #	44
16) Acetone	3.79	43	12344	8.751	ug/l	98
20) Methylene Chloride	4.50	84	1486	0.493	ug/l #	93
25) 2-Butanone	6.81	43	687	0.333	ug/l #	53
29) Tetrahydrofuran	7.19	42	915	0.660	ug/l #	42
31) Cyclohexane	7.63	56	5413	1.073	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	19337	4.914	ug/l #	52
38) Carbon Tetrachloride	7.63	117	22919	6.478	ug/l #	16
52) Toluene	10.12	92	41905	6.255	ug/l	98
71) Bromoform	12.38	173	639	0.323	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	96209	28.374	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	96209	75.945	ug/l #	10
95) Naphthalene	15.11	128	1997	Below Cal	#	77

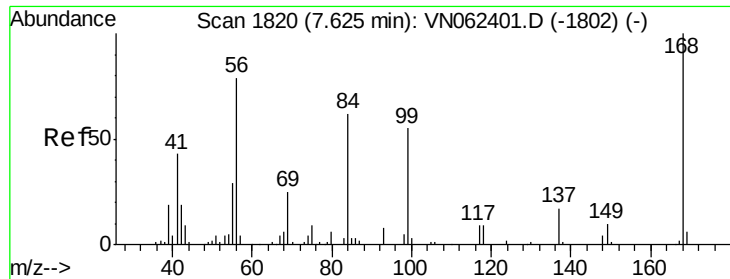
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VN062463.D

Acq: 9 Jul 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

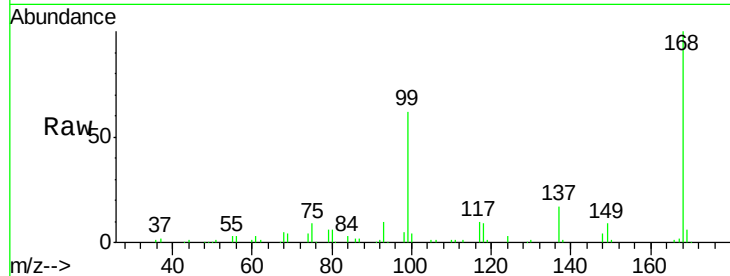
BP-MW180-EB-20200630

Tot Ion:168 Resp: 216019

Ion Ratio Lower Upper

168 100

99 62.4 48.8 73.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

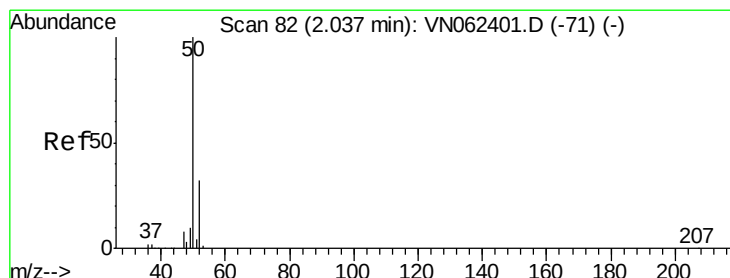
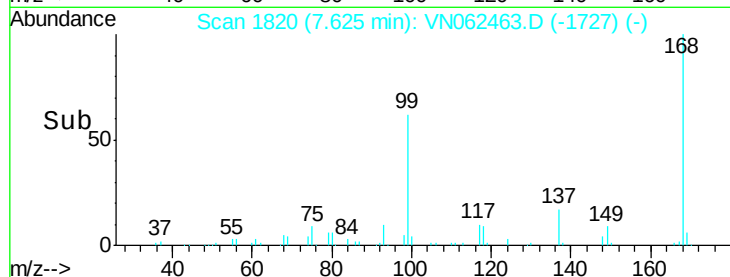
60000

40000

20000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#3

Chloromethane

Concen: 0.282 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062463.D

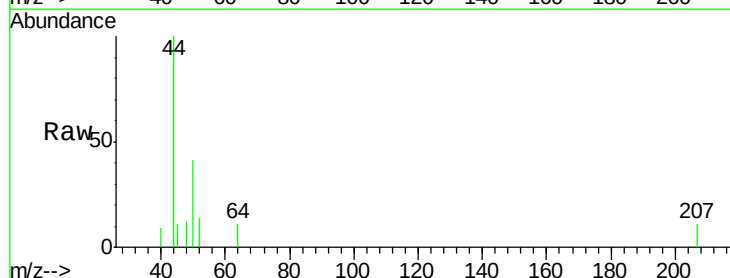
Acq: 9 Jul 2020 18:37

Tgt Ion: 50 Resp: 996

Ion Ratio Lower Upper

50 100

52 32.9 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

1000

800

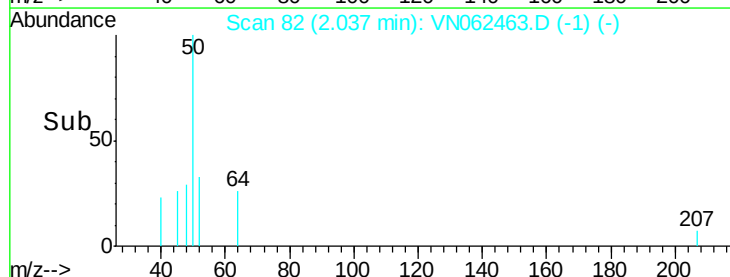
600

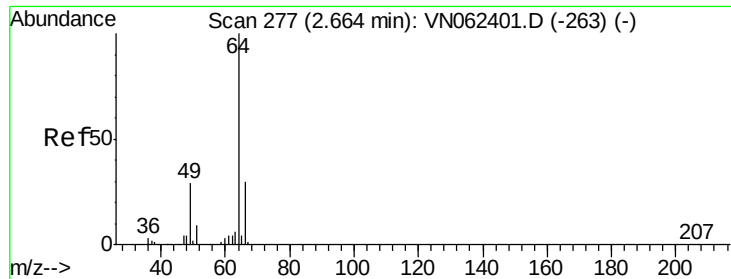
400

200

0

Time--> 2.00 2.02 2.04 2.06





#6

Chloroethane

Concen: 0.255 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.01 min

Lab File: VN062463.D

Acq: 9 Jul 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

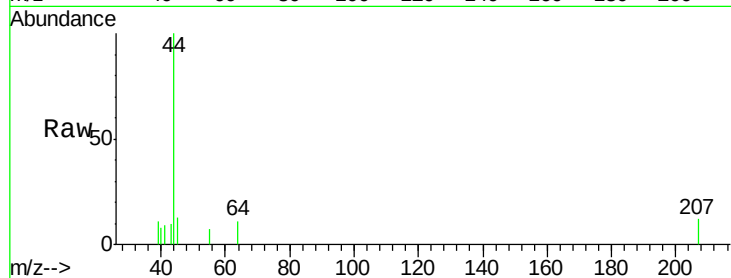
BP-MW180-EB-20200630

Tot Ion: 64 Resp: 430

Ion Ratio Lower Upper

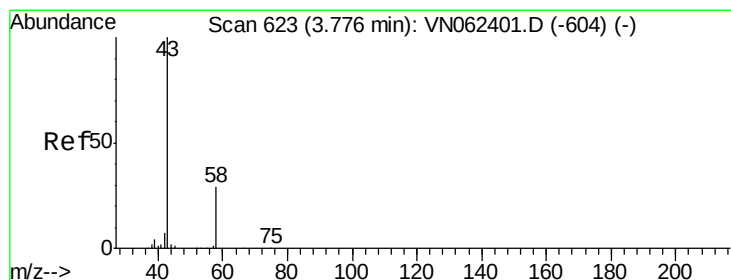
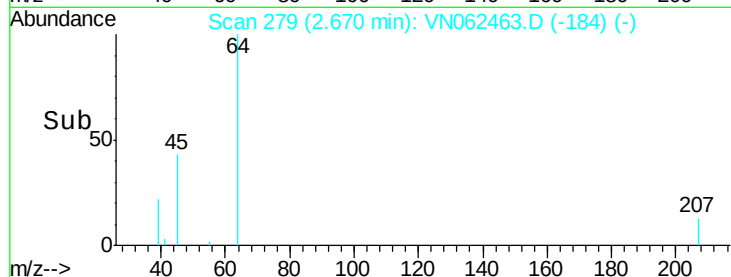
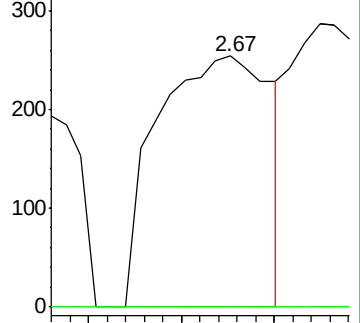
64 100

66 0.0 24.2 36.2#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



#16

Acetone

Concen: 8.751 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN062463.D

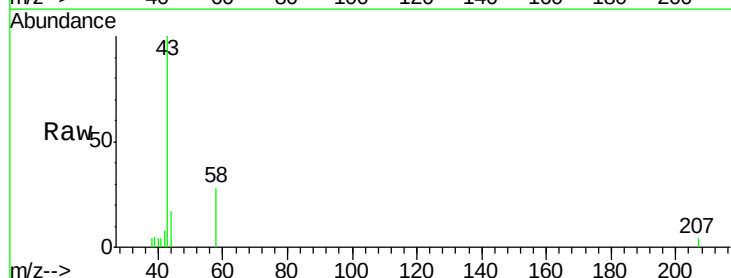
Acq: 9 Jul 2020 18:37

Tgt Ion: 43 Resp: 12344

Ion Ratio Lower Upper

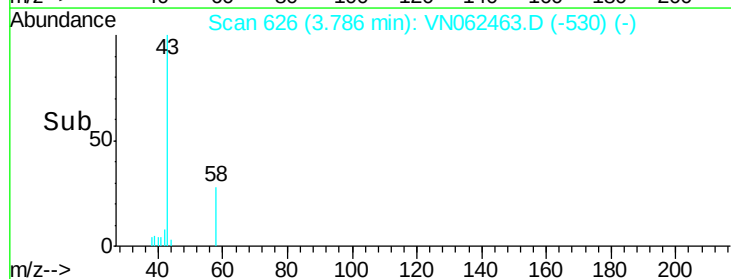
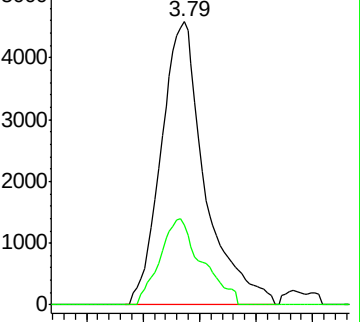
43 100

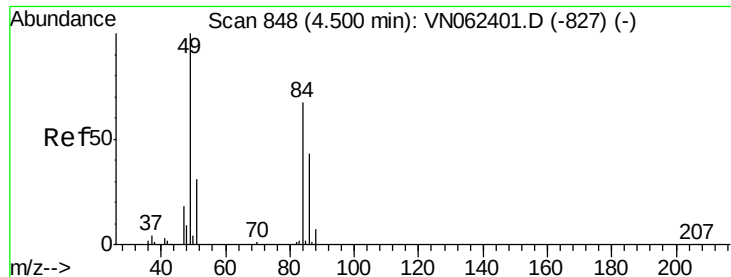
58 28.1 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

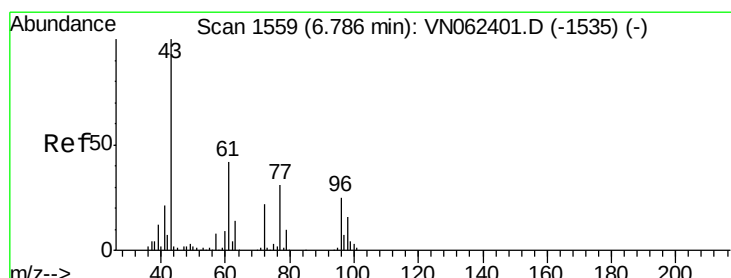
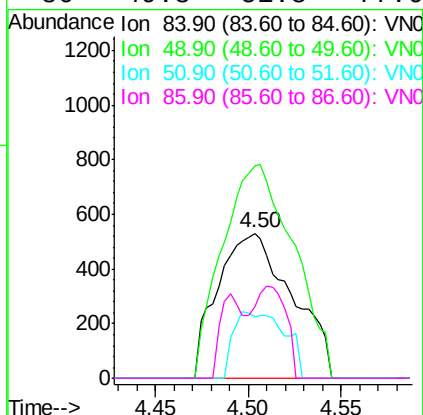
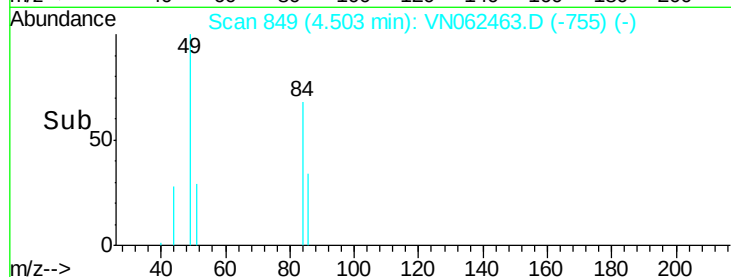
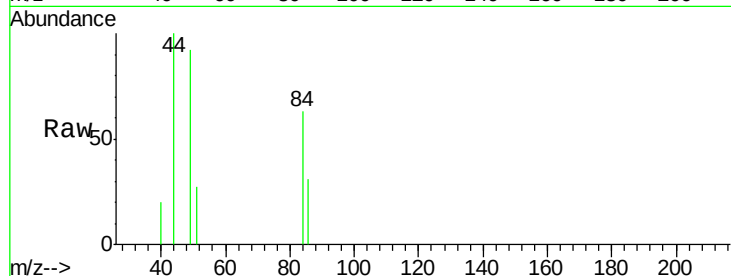




#20
Methylene Chloride
Concen: 0.493 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062463.D
Acq: 9 Jul 2020 18:37

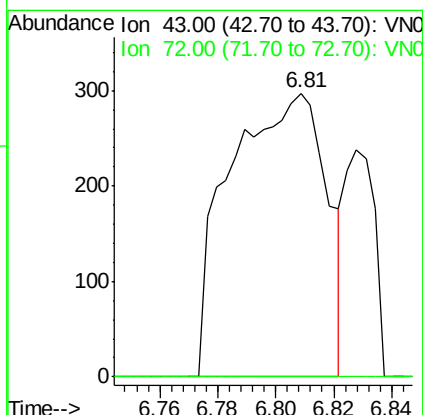
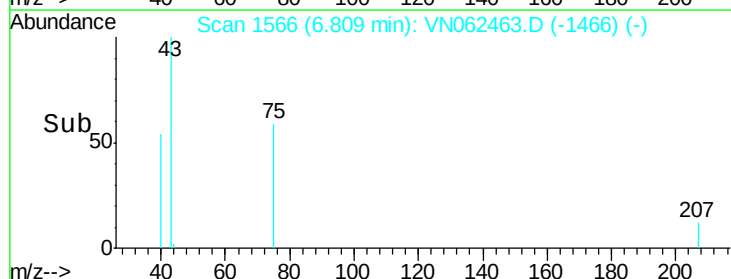
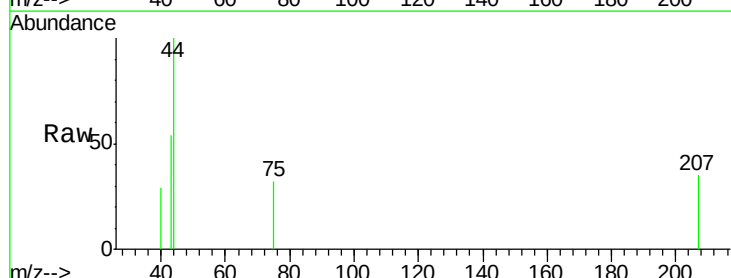
Instrument :
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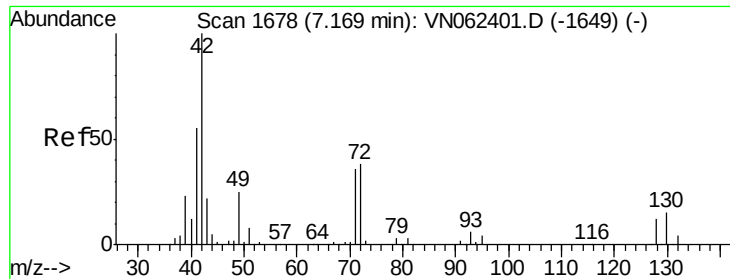
Tot Ion: 84 Resp: 1486
Ion Ratio Lower Upper
84 100
49 146.4 120.0 180.0
51 42.5 37.0 55.6
86 49.8 51.8 77.6#



#25
2-Butanone
Concen: 0.333 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.02 min
Lab File: VN062463.D
Acq: 9 Jul 2020 18:37

Tgt Ion: 43 Resp: 687
Ion Ratio Lower Upper
43 100
72 0.0 17.9 26.9#





#29

Tetrahydrofuran

Concen: 0.660 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.02 min

Lab File: VN062463.D

Acq: 9 Jul 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

BP-MW180-EB-20200630

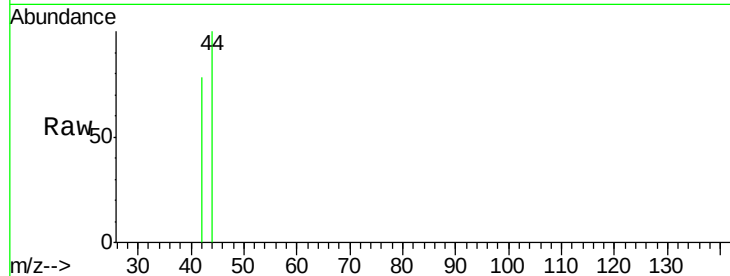
Tot Ion: 42 Resp: 915

Ion Ratio Lower Upper

42 100

72 0.0 29.1 43.7#

71 3.2 28.1 42.1#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

7.19

400

300

200

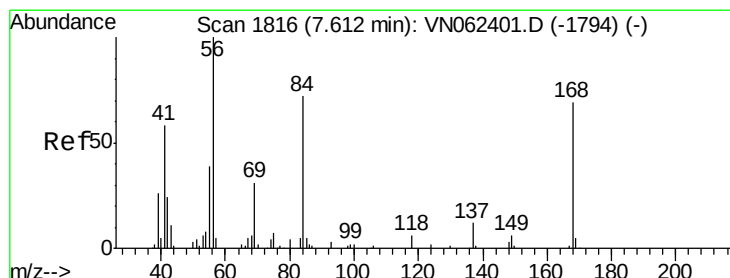
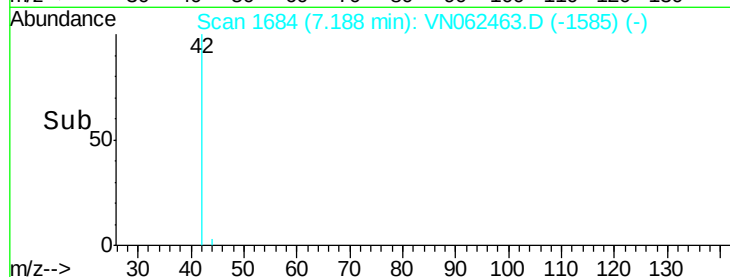
100

0

7.15

7.20

Time-->



#31

Cyclohexane

Concen: 1.073 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.02 min

Lab File: VN062463.D

Acq: 9 Jul 2020 18:37

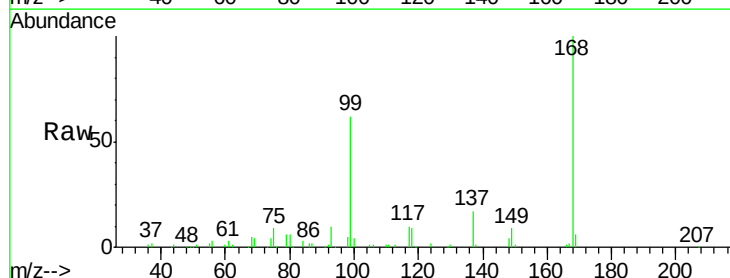
Tgt Ion: 56 Resp: 5413

Ion Ratio Lower Upper

56 100

69 161.5 24.5 36.7#

84 115.6 57.4 86.2#



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

7.63

4000

3000

2000

1000

0

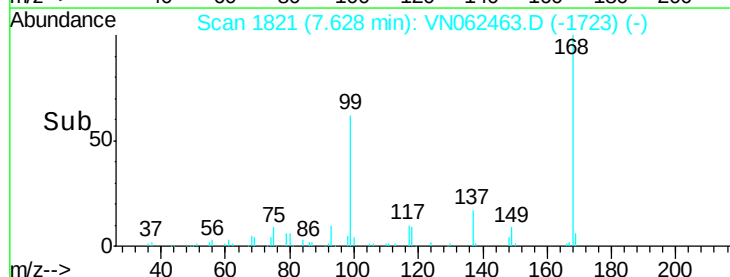
7.55

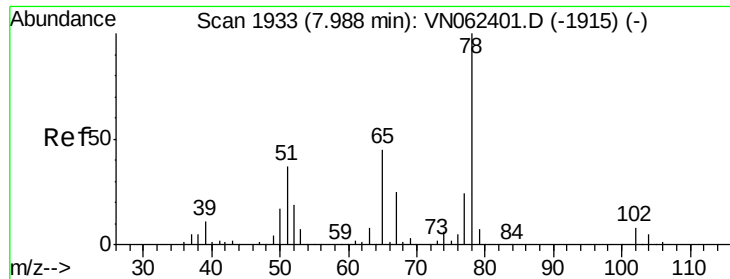
7.60

7.65

7.70

Time-->

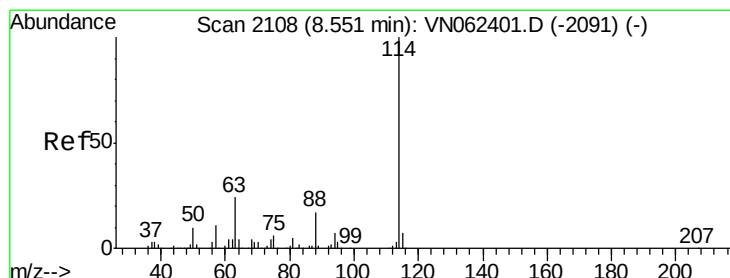
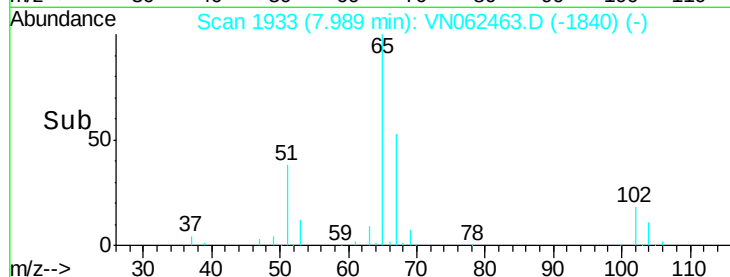
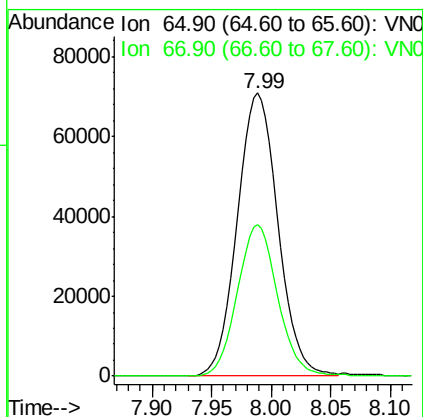
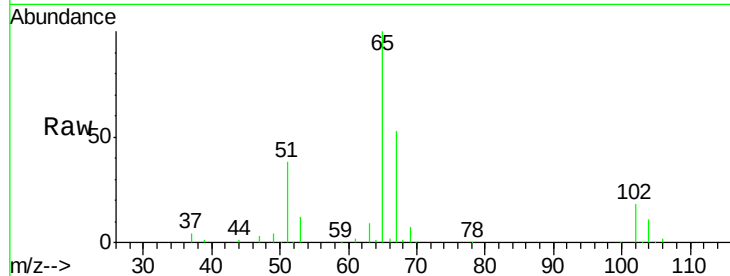




#33
 1,2-Dichloroethane-d4
 Concen: 50.546 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062463.D
 Acq: 9 Jul 2020 18:37

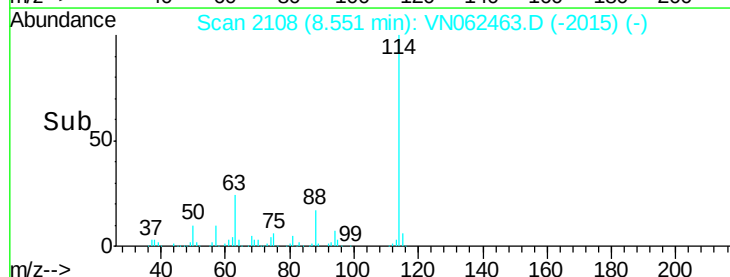
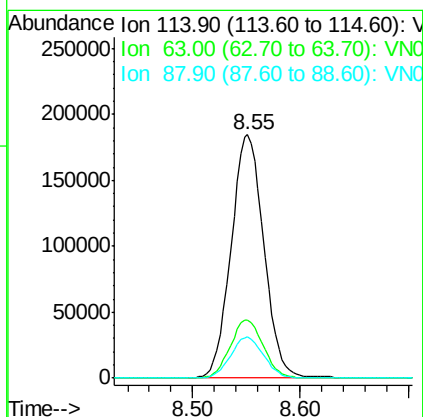
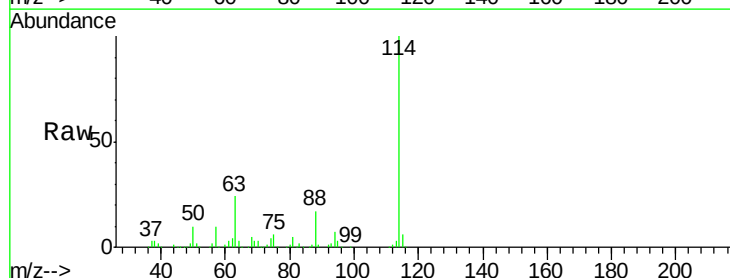
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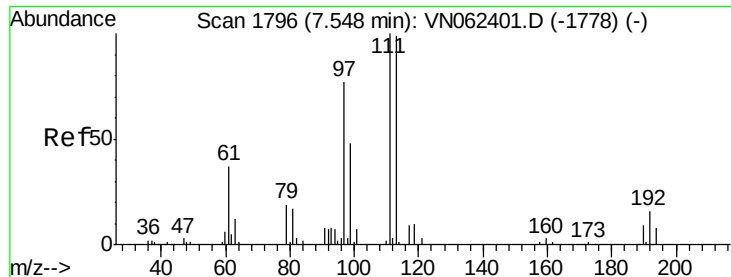
Tot Ion: 65 Resp: 167946
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062463.D
 Acq: 9 Jul 2020 18:37

Tgt Ion: 114 Resp: 390612
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 48.4
 88 16.9 0.0 33.8

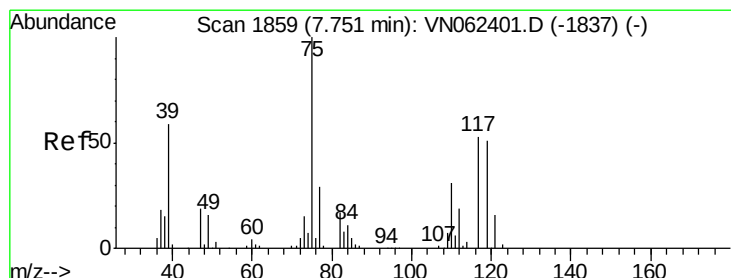
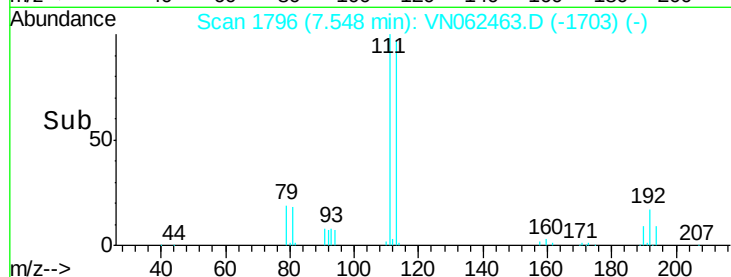
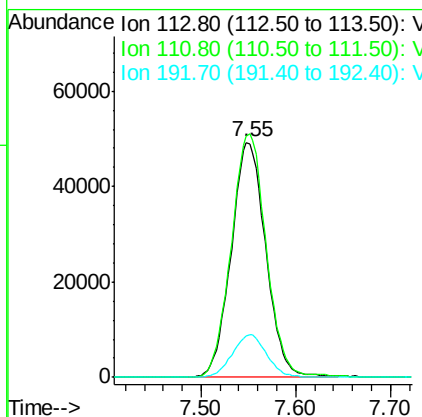
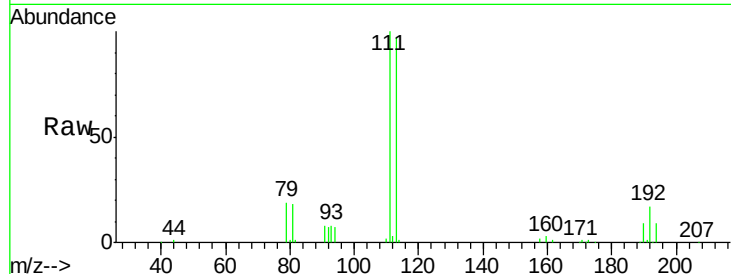




#35
 Dibromofluoromethane
 Concen: 51.948 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN062463.D
 Acq: 9 Jul 2020 18:37

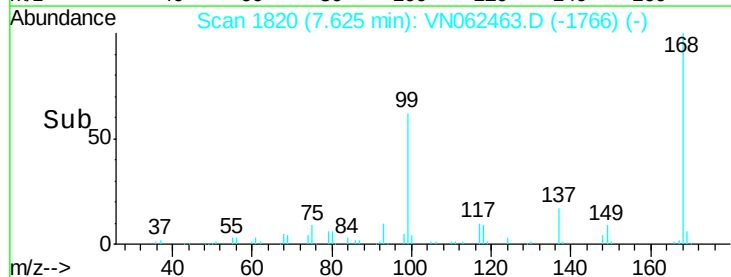
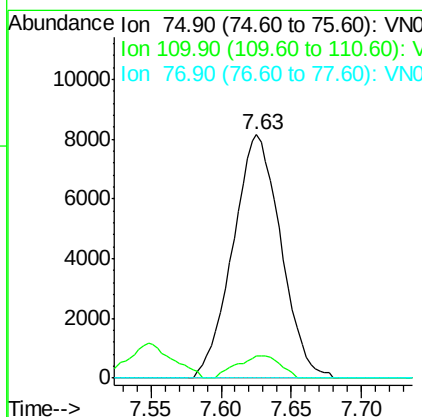
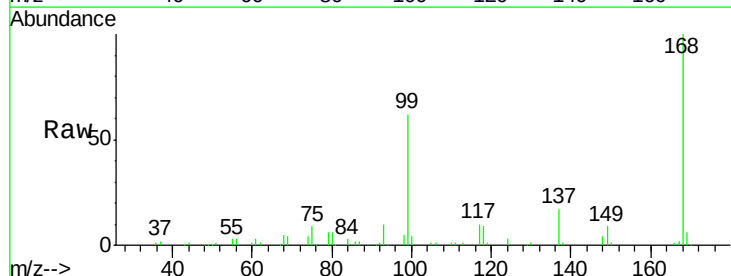
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MW180-EB-20200630

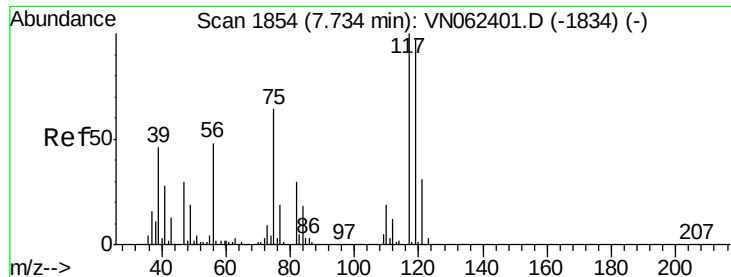
Tot Ion:113 Resp: 125430
 Ion Ratio Lower Upper
 113 100
 111 103.9 83.1 124.7
 192 17.9 14.1 21.1



#36
 1,1-Dichloropropene
 Concen: 4.914 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062463.D
 Acq: 9 Jul 2020 18:37

Tgt Ion: 75 Resp: 19337
 Ion Ratio Lower Upper
 75 100
 110 8.2 15.4 46.2#
 77 0.0 24.1 36.1#





#38

Carbon Tetrachloride

Concen: 6.478 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062463.D

Acq: 9 Jul 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

BP-MW180-EB-20200630

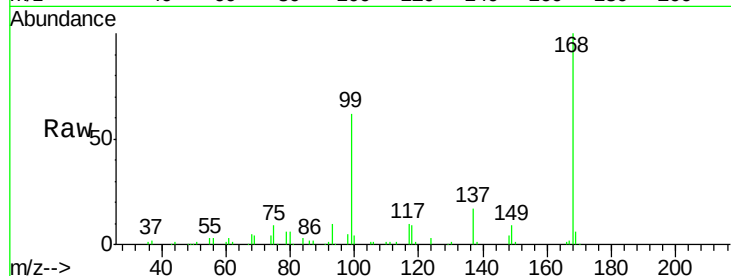
Tot Ion:117 Resp: 22919

Ion Ratio Lower Upper

117 100

119 5.1 77.2 115.8#

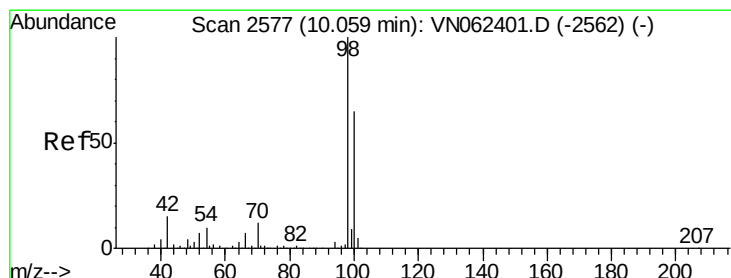
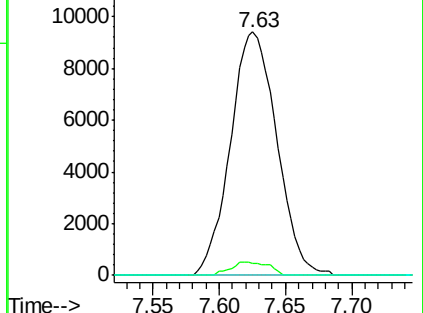
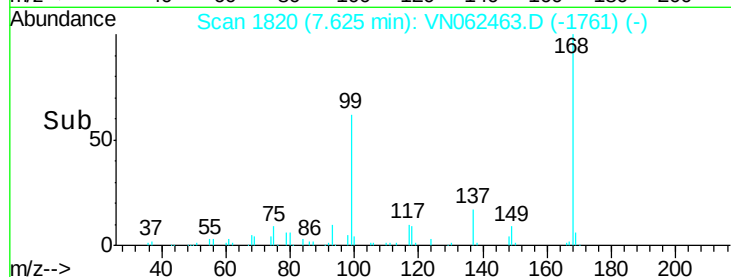
121 0.0 24.8 37.2#



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



#50

Toluene-d8

Concen: 52.432 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062463.D

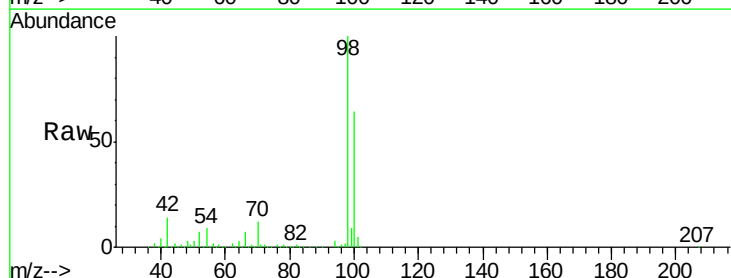
Acq: 9 Jul 2020 18:37

Tgt Ion: 98 Resp: 499766

Ion Ratio Lower Upper

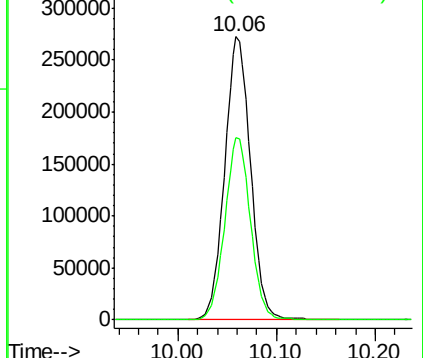
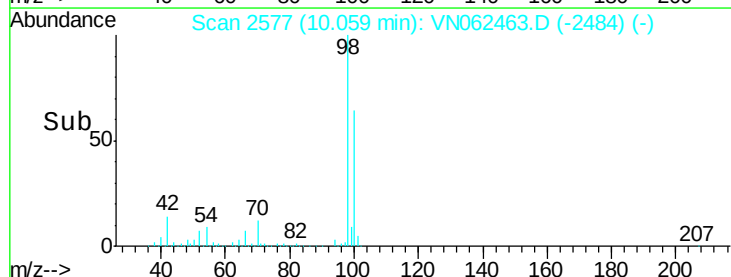
98 100

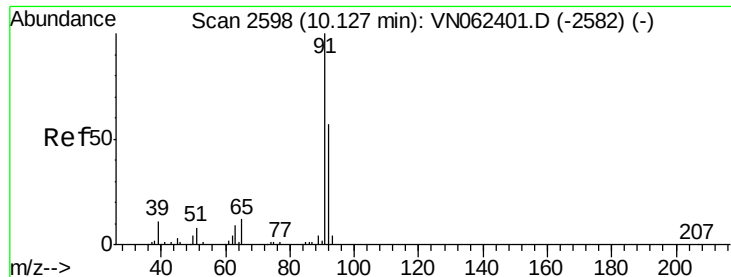
100 64.1 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#52

Toluene

Concen: 6.255 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062463.D

Acq: 9 Jul 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

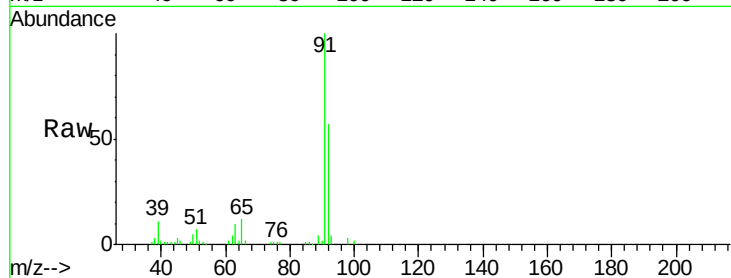
BP-MW180-EB-20200630

Tot Ion: 92 Resp: 41905

Ion Ratio Lower Upper

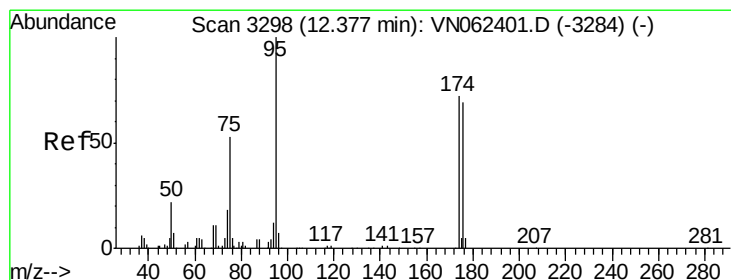
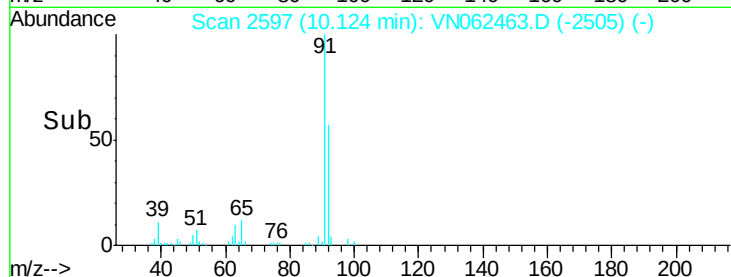
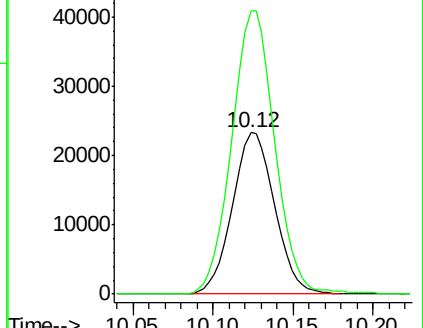
92 100

91 179.3 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN062401.D (-2582) (-)

Ion 91.00 (90.70 to 91.70): VN062401.D (-2582) (-)



#62

4-Bromofluorobenzene

Concen: 52.036 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062463.D

Acq: 9 Jul 2020 18:37

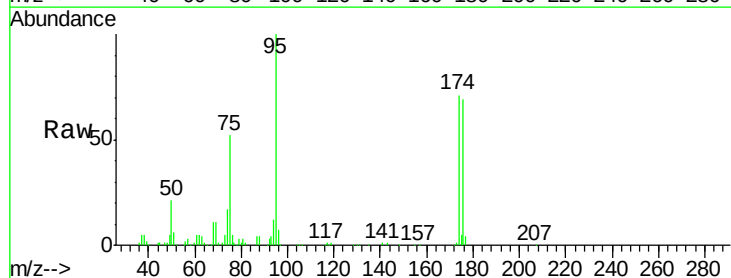
Tgt Ion: 95 Resp: 181252

Ion Ratio Lower Upper

95 100

174 71.5 0.0 141.6

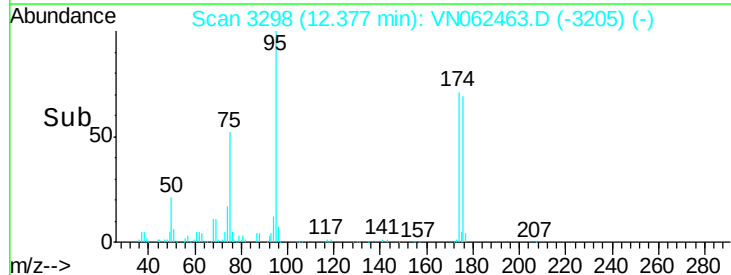
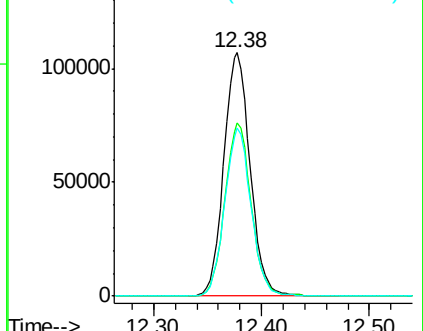
176 68.9 0.0 137.2

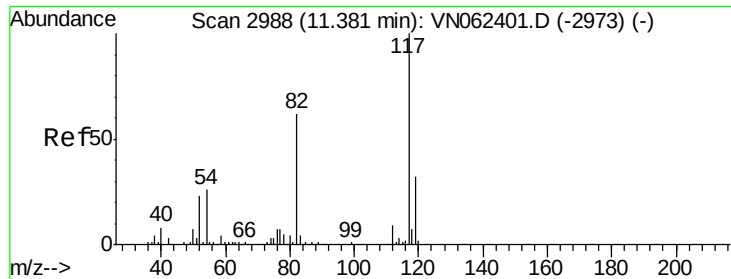


Abundance Ion 94.90 (94.60 to 95.60): VN062401.D (-3284) (-)

Ion 173.80 (173.50 to 174.50): VN062401.D (-3284) (-)

Ion 175.80 (175.50 to 176.50): VN062401.D (-3284) (-)

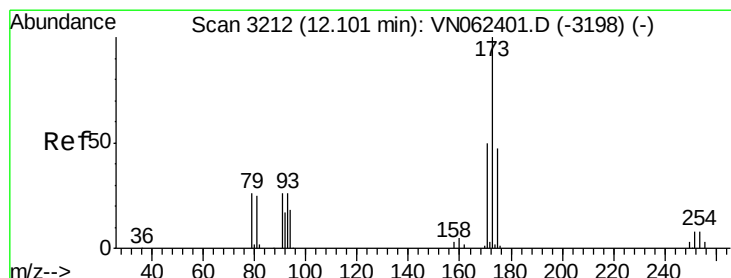
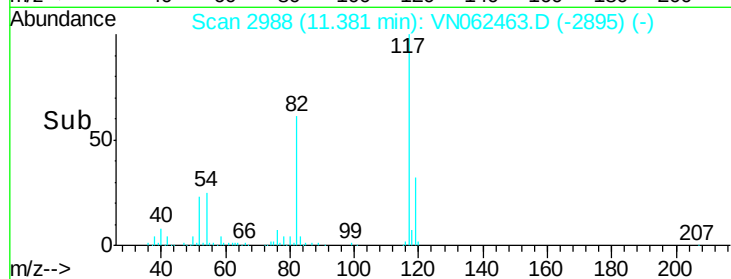
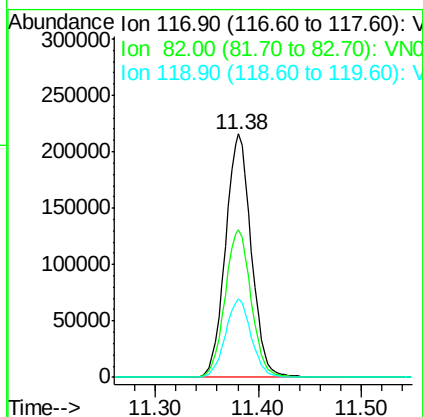
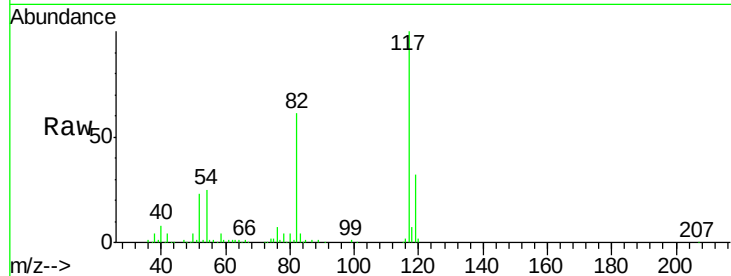




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062463.D
Acq: 9 Jul 2020 18:37

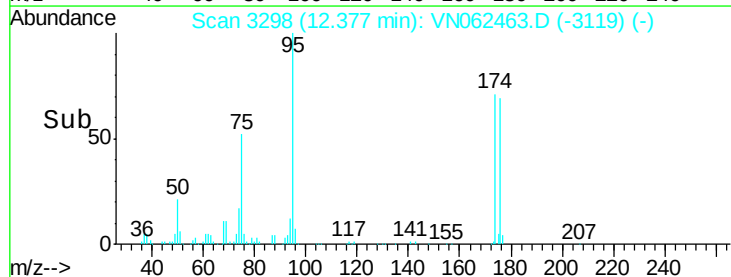
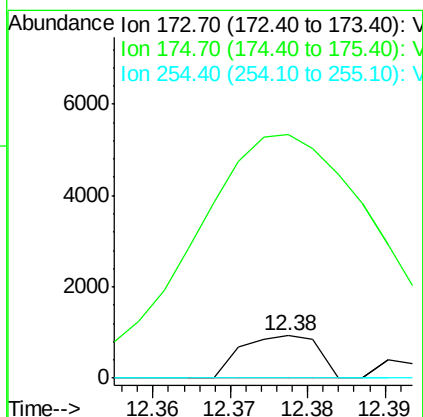
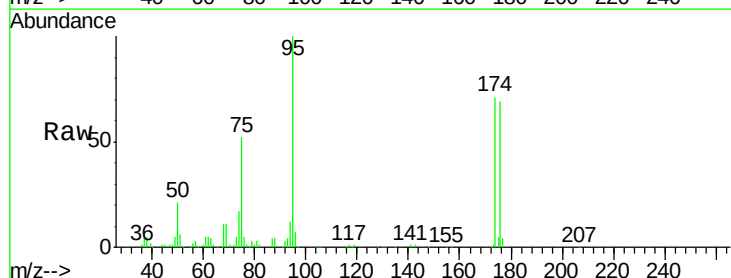
Instrument :
MSVOA_N
ClientSampleId :
BP-MW180-EB-20200630

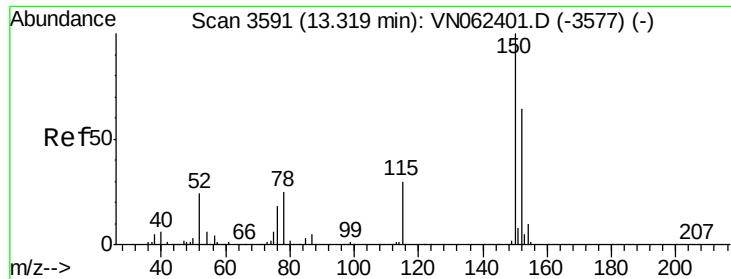
Tot Ion:117 Resp: 376267
Ion Ratio Lower Upper
117 100
82 60.7 49.6 74.4
119 32.3 25.4 38.0



#71
Bromoform
Concen: 0.323 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN062463.D
Acq: 9 Jul 2020 18:37

Tgt Ion:173 Resp: 639
Ion Ratio Lower Upper
173 100
175 1206.6 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# 3591

Delta R.T. 0.00 min

Lab File: VN062463.D

Acq: 9 Jul 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

BP-MW180-EB-20200630

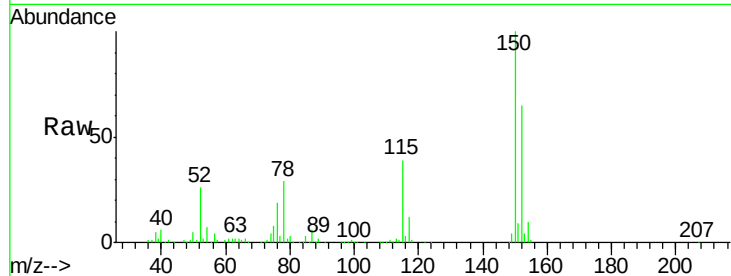
Tot Ion:152 Resp: 138193

Ion Ratio Lower Upper

152 100

115 61.9 31.4 94.2

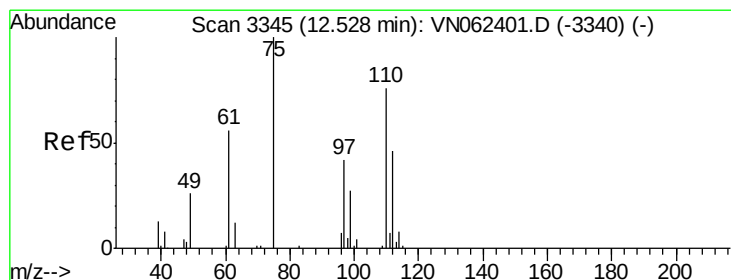
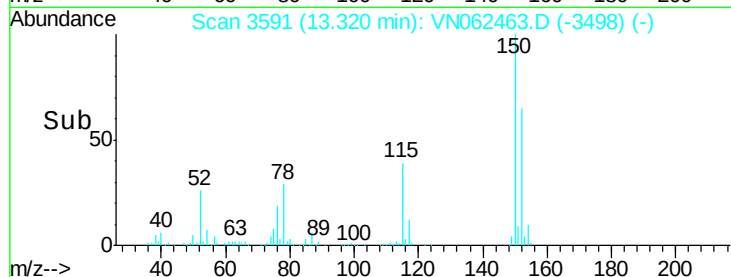
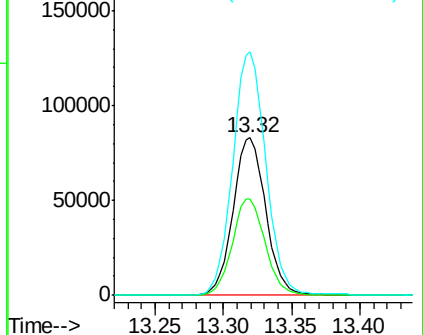
150 157.2 0.0 347.4



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: 28.374 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062463.D

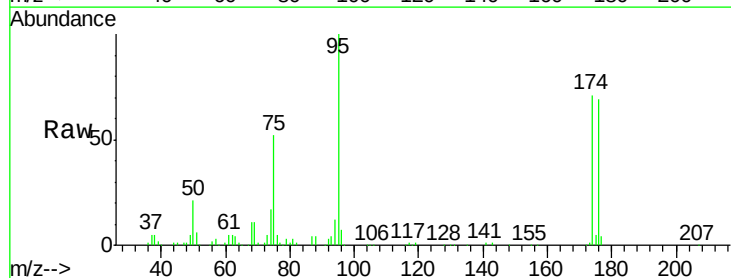
Acq: 9 Jul 2020 18:37

Tgt Ion: 75 Resp: 96209

Ion Ratio Lower Upper

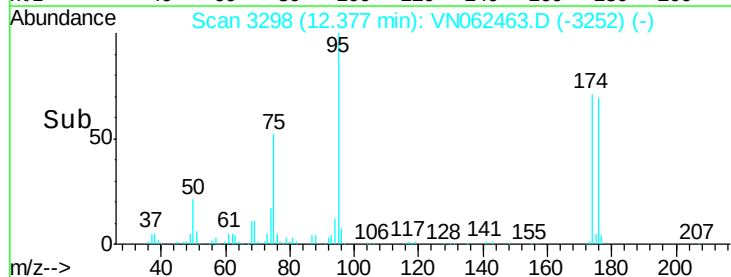
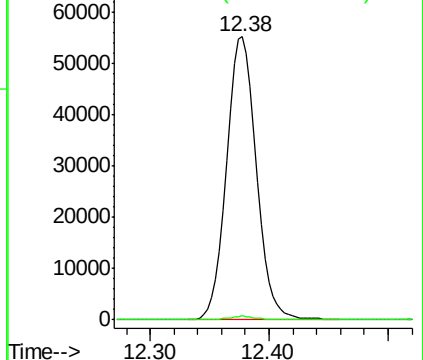
75 100

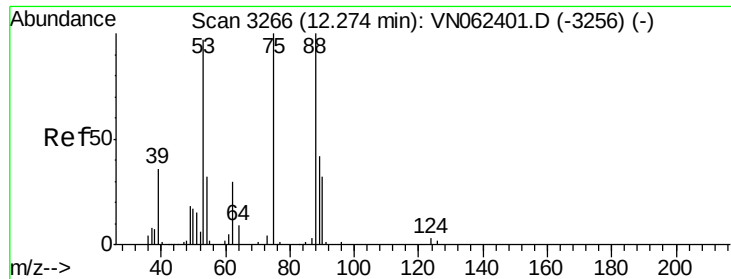
77 1.1 0.0 0.0#



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: 75.945 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062463.D

Acq: 9 Jul 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

BP-MW180-EB-20200630

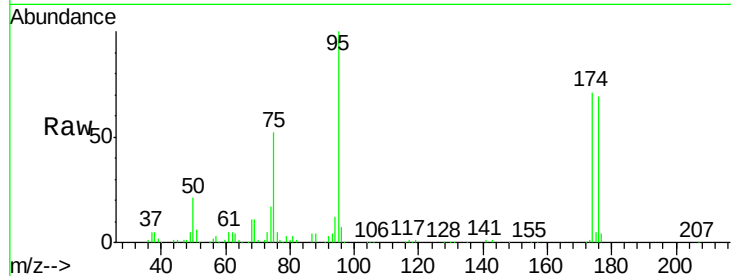
Tot Ion: 75 Resp: 96209

Ion Ratio Lower Upper

75 100

53 0.0 79.2 118.8#

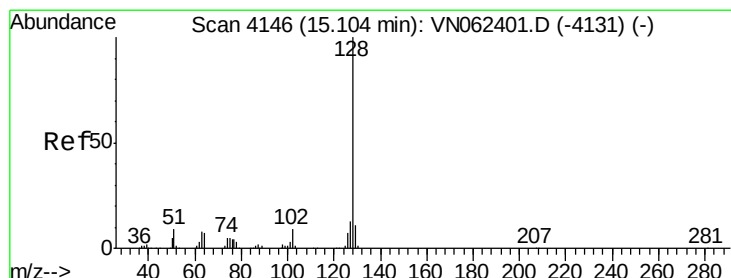
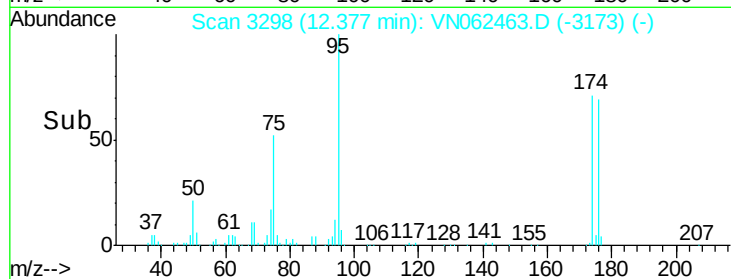
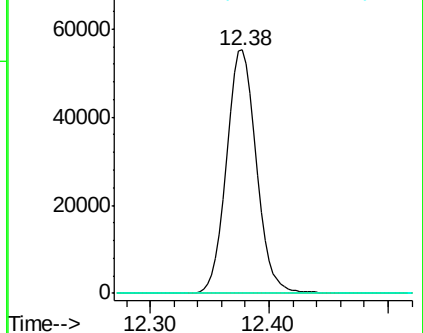
89 0.0 34.6 52.0#



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



#95

Naphthalene

Concen: Below Cal

RT: 15.11 min Scan# 4148

Delta R.T. 0.01 min

Lab File: VN062463.D

Acq: 9 Jul 2020 18:37

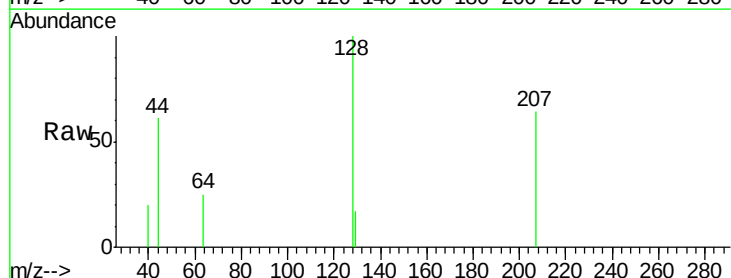
Tgt Ion: 128 Resp: 1997

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 6.4 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

