

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN063020\
 Data File : VN062239.D
 Acq On : 30 Jun 2020 15:02
 Operator : JC/MD
 Sample : L3151-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MW180-FB-20200626

Quant Time: Jul 01 03:35:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	214780	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	408826	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	390818	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	141059	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	159293	52.85	ug/l	0.00
Spiked Amount			Recovery	=	105.70%	
35) Dibromofluoromethane	7.55	113	129771	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	
50) Toluene-d8	10.06	98	518471	49.45	ug/l	0.00
Spiked Amount			Recovery	=	98.90%	
62) 4-Bromofluorobenzene	12.38	95	167036	47.16	ug/l	0.00
Spiked Amount			Recovery	=	94.32%	

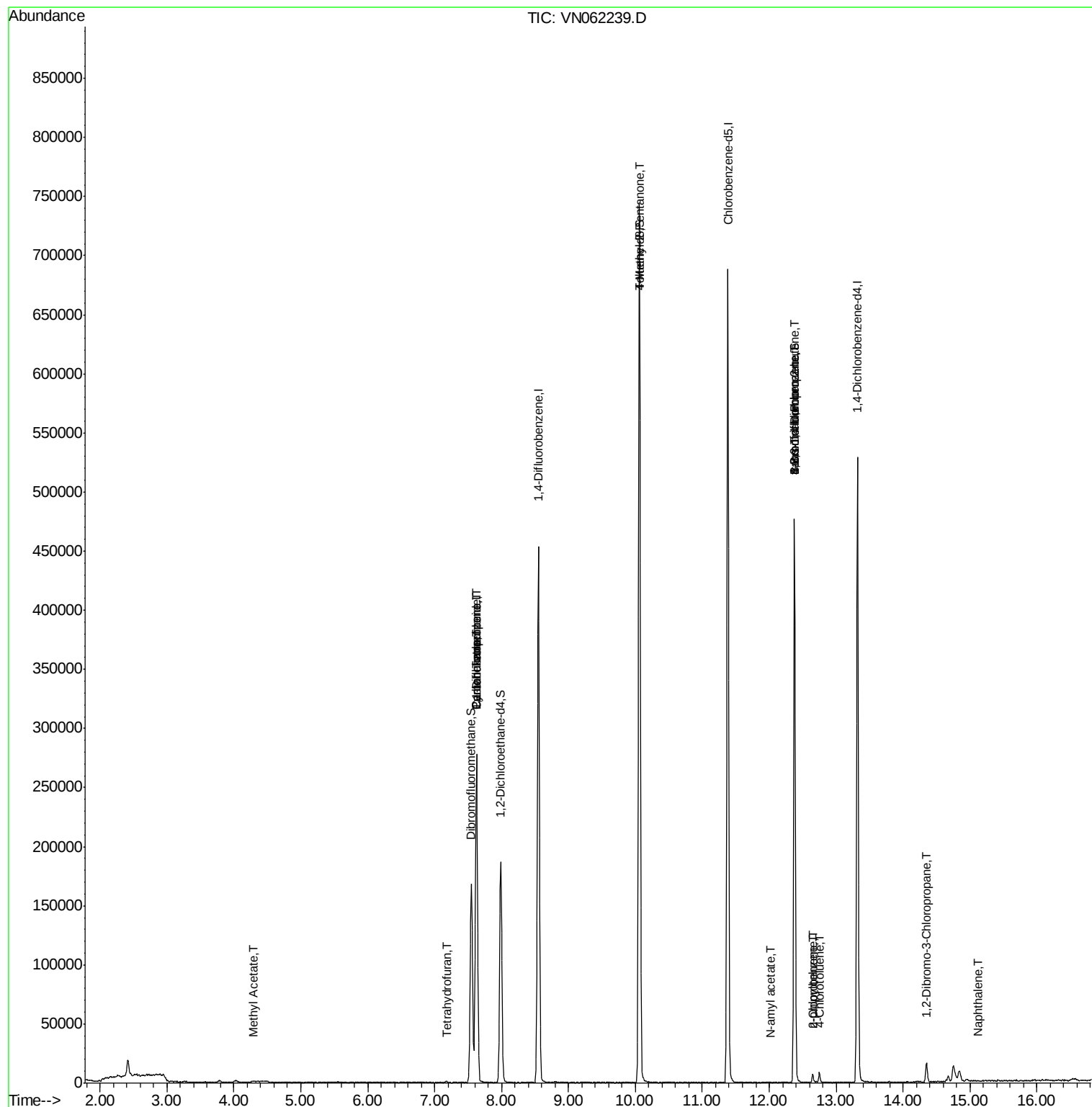
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	637	Below Cal	#	38
16) Acetone	3.78	43	2781	Below Cal	#	85
18) Methyl Acetate	4.29	43	1100	0.459	ug/l #	46
20) Methylene Chloride	4.51	84	177	Below Cal	#	54
29) Tetrahydrofuran	7.17	42	623	0.646	ug/l #	68
31) Cyclohexane	7.62	56	5202	1.249	ug/l #	17
36) 1,1-Dichloropropene	7.63	75	18850	4.587	ug/l #	44
38) Carbon Tetrachloride	7.63	117	22663	5.850	ug/l #	15
51) 4-Methyl-2-Pentanone	10.06	43	2206	0.681	ug/l #	1
71) Bromoform	12.38	173	1572	0.745	ug/l #	1
74) N-amyl acetate	12.03	43	30	3.350	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	87135	26.240	ug/l #	100
78) n-propylbenzene	12.65	91	4915	0.394	ug/l #	53
79) 2-Chlorotoluene	12.65	91	4915	0.651	ug/l	90
81) trans-1,4-Dichloro-2-buten	12.38	75	87135	76.632	ug/l #	13
82) 4-Chlorotoluene	12.75	91	5774	0.739	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	306	0.526	ug/l #	3
95) Naphthalene	15.11	128	384	4.047	ug/l #	69

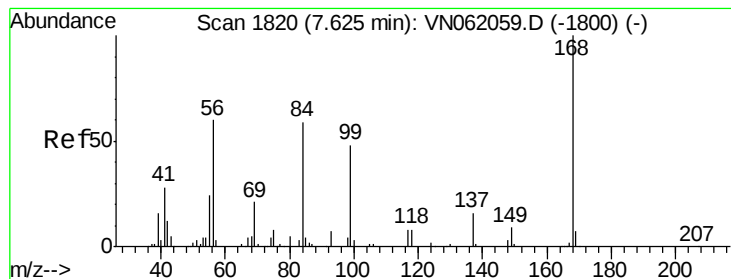
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jun 24 15:33:00 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: VN062239.D

Acq: 30 Jun 2020 15:02

Instrument :

MSVOA_N

ClientSampleId :

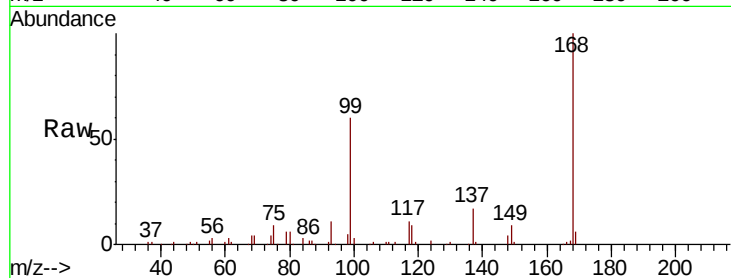
BP-MW180-FB-20200626

Tot Ion:168 Resp: 214780

Ion Ratio Lower Upper

168 100

99 59.7 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): VN062239.D (-1727) (-)

Ion 98.90 (98.60 to 99.60): VN062239.D (-1727) (-)

7.63

100000

80000

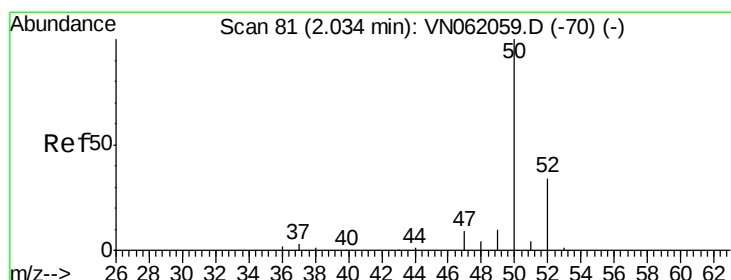
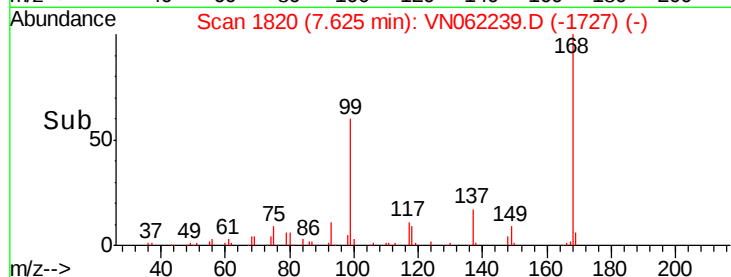
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062239.D

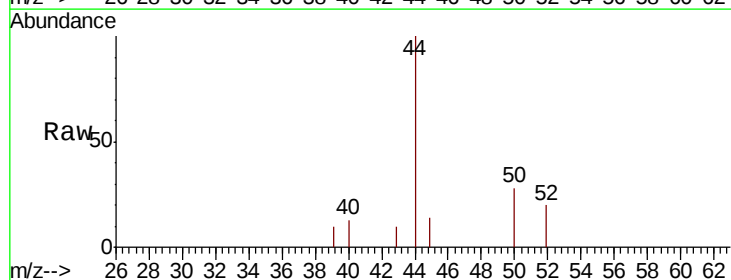
Acq: 30 Jun 2020 15:02

Tgt Ion: 50 Resp: 637

Ion Ratio Lower Upper

50 100

52 69.2 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VN062239.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN062239.D (-1) (-)

2.03

500

400

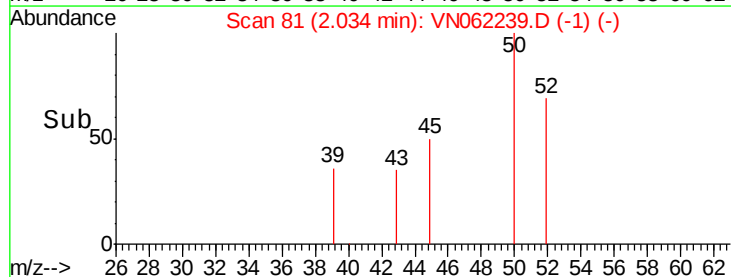
300

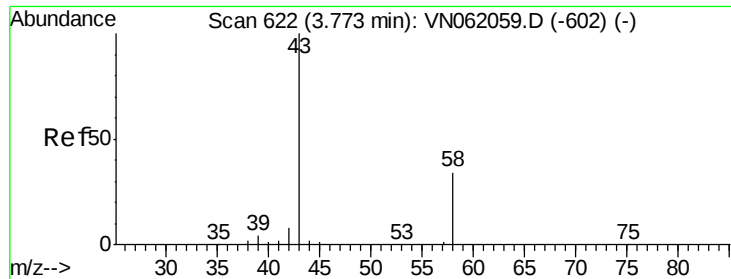
200

100

0

Time--> 2.00 2.02 2.04 2.06

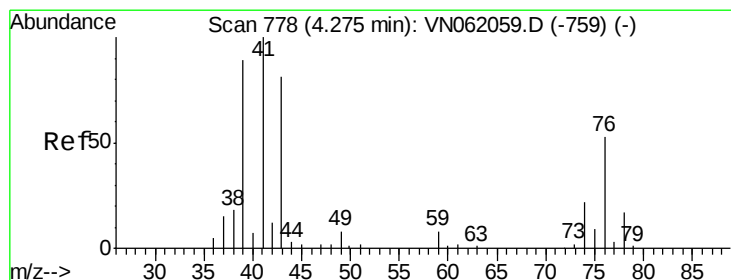
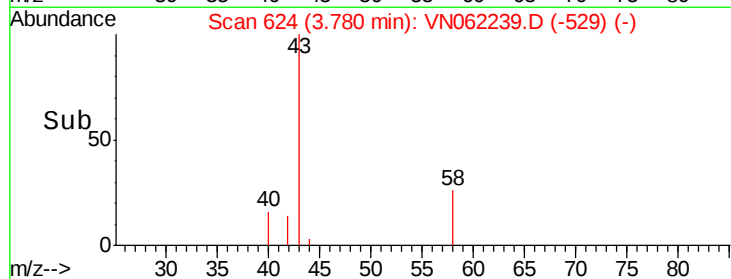
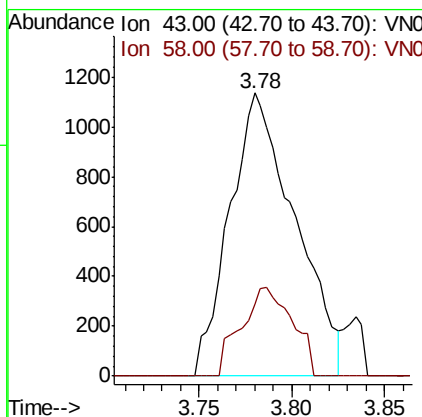
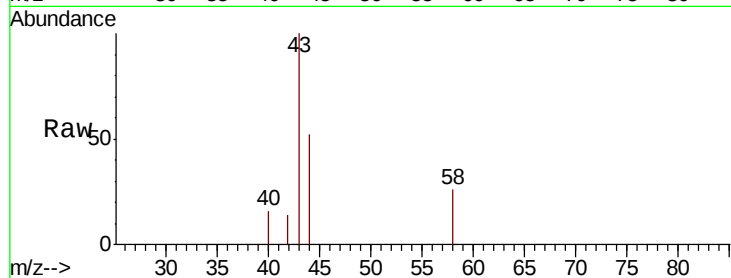




#16
 Acetone
 Concen: Below Cal
 RT: 3.78 min Scan# 624
 Delta R.T. 0.01 min
 Lab File: VN062239.D
 Acq: 30 Jun 2020 15:02

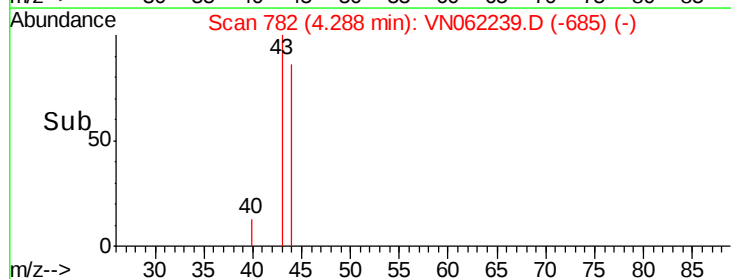
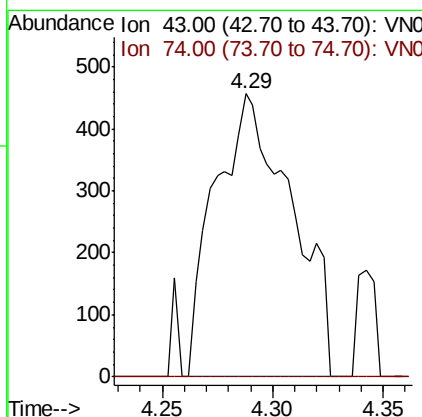
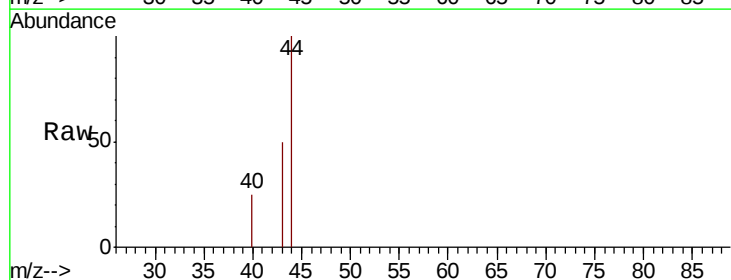
Instrument :
 MSVOA_N
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 BP-MW180-FB-20200626

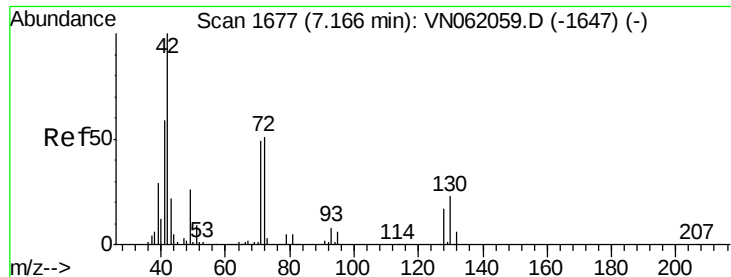
Tot Ion: 43 Resp: 2781
 Ion Ratio Lower Upper
 43 100
 58 25.7 27.5 41.3#



#18
 Methyl Acetate
 Concen: 0.459 ug/l
 RT: 4.29 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: VN062239.D
 Acq: 30 Jun 2020 15:02

Tgt Ion: 43 Resp: 1100
 Ion Ratio Lower Upper
 43 100
 74 0.0 22.9 34.3#





#29

Tetrahydrofuran

Concen: 0.646 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.01 min

Lab File: VN062239.D

Acq: 30 Jun 2020 15:02

Instrument :

MSVOA_N

ClientSampleId :

BP-MW180-FB-20200626

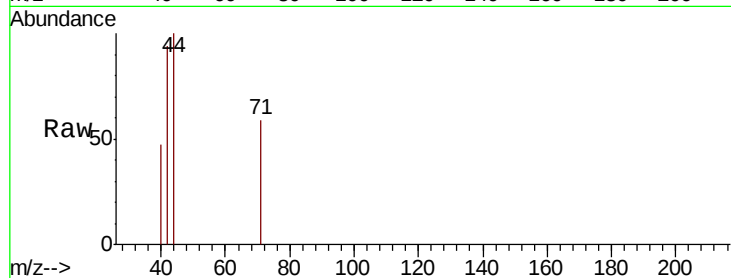
Tot Ion: 42 Resp: 623

Ion Ratio Lower Upper

42 100

72 15.4 41.1 61.7#

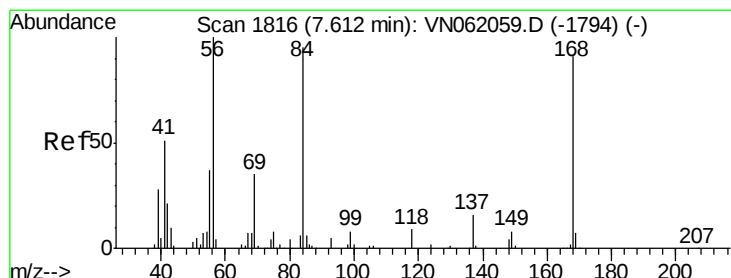
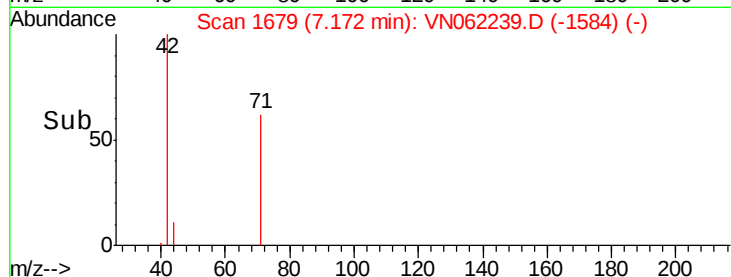
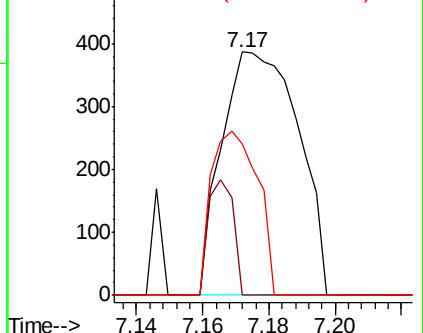
71 40.4 38.2 57.4



Abundance Ion 42.00 (41.70 to 42.70): VN062239.D (-1647) (-)

Ion 72.00 (71.70 to 72.70): VN062239.D (-1647) (-)

Ion 71.00 (70.70 to 71.70): VN062239.D (-1647) (-)



#31

Cyclohexane

Concen: 1.249 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN062239.D

Acq: 30 Jun 2020 15:02

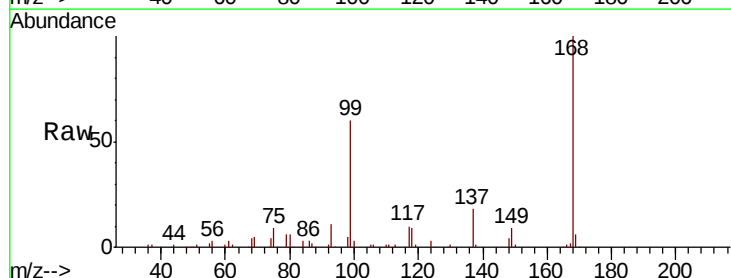
Tgt Ion: 56 Resp: 5202

Ion Ratio Lower Upper

56 100

69 168.1 28.0 42.0#

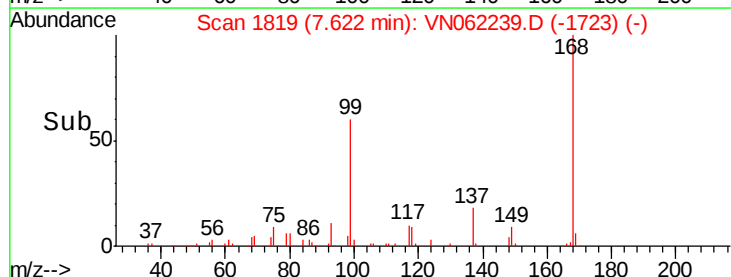
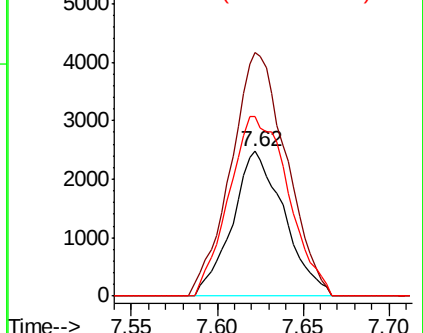
84 123.6 76.1 114.1#

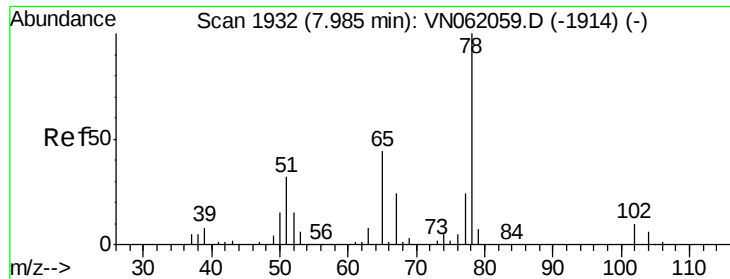


Abundance Ion 56.00 (55.70 to 56.70): VN062239.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN062239.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN062239.D (-1723) (-)

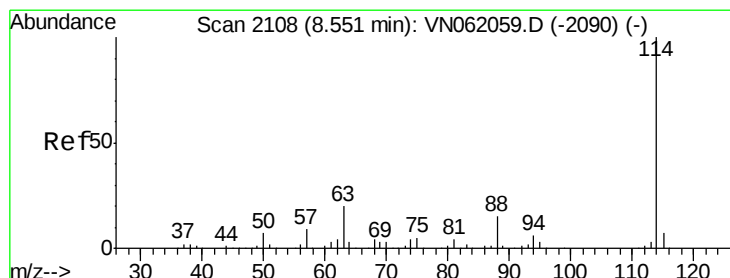
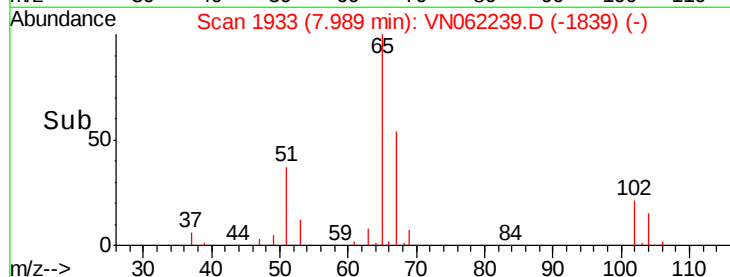
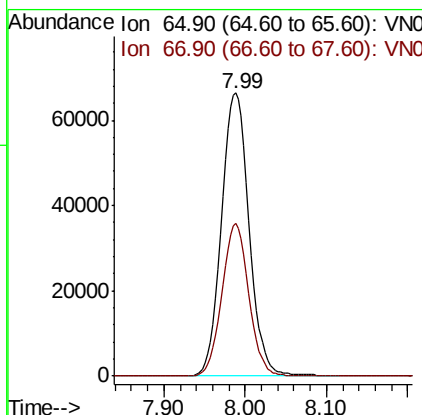
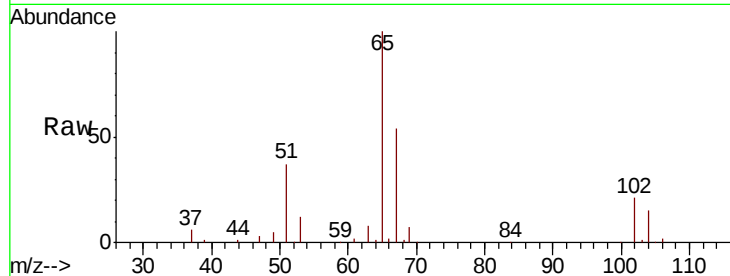




#33
 1,2-Dichloroethane-d4
 Concen: 52.850 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062239.D
 Acq: 30 Jun 2020 15:02

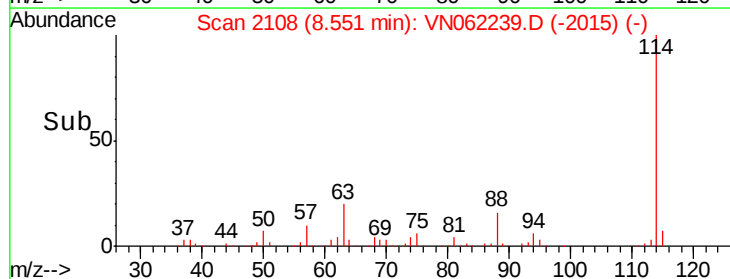
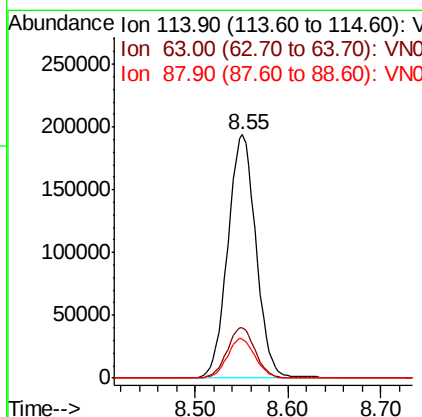
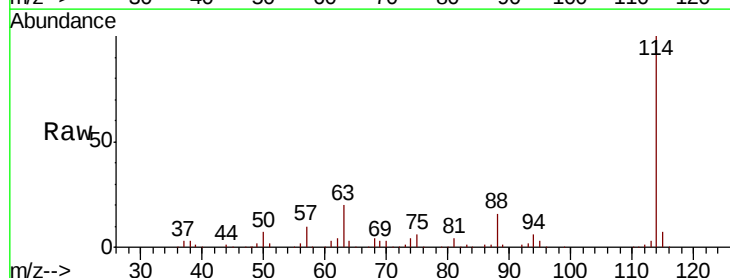
Instrument :
 MSVOA_N
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 BP-MW180-FB-20200626

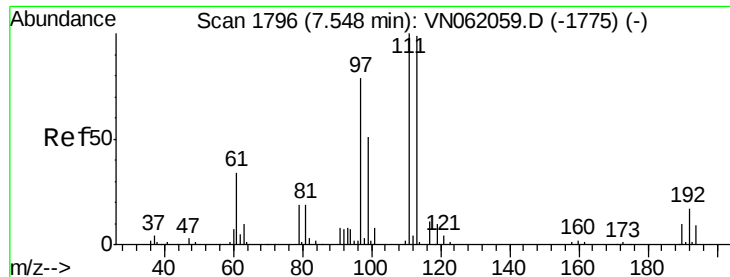
Tot Ion: 65 Resp: 159293
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062239.D
 Acq: 30 Jun 2020 15:02

Tgt Ion: 114 Resp: 408826
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 39.2
 88 16.1 0.0 30.8

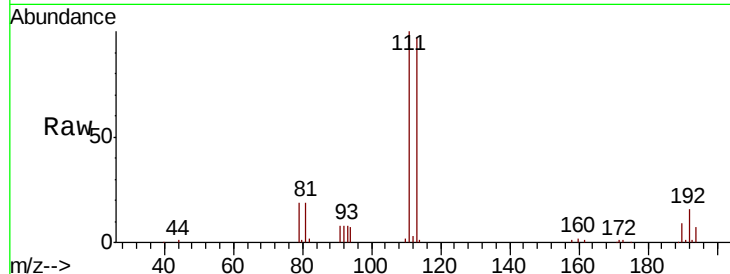




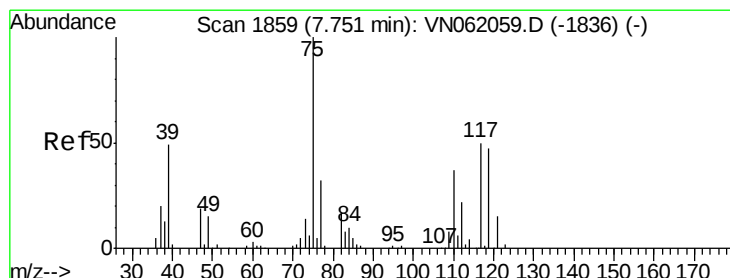
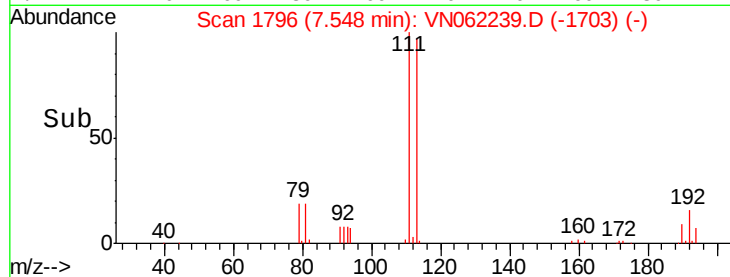
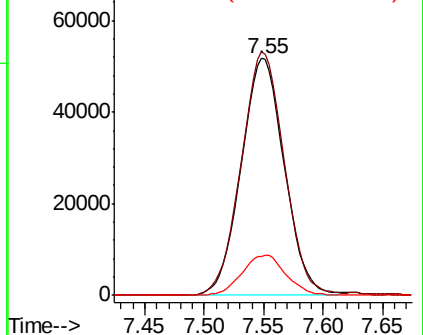
#35
 Dibromofluoromethane
 Concen: 49.478 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062239.D
 Acq: 30 Jun 2020 15:02

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MW180-FB-20200626

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.2	123.4
192	17.3	14.0	21.0

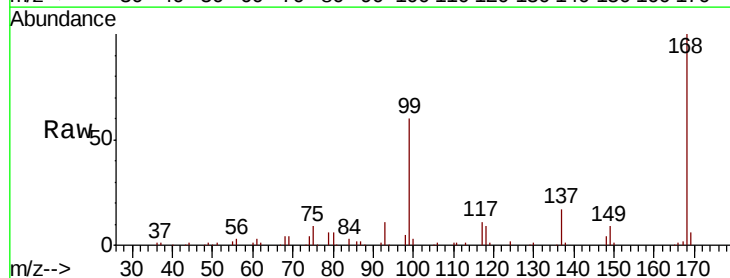


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

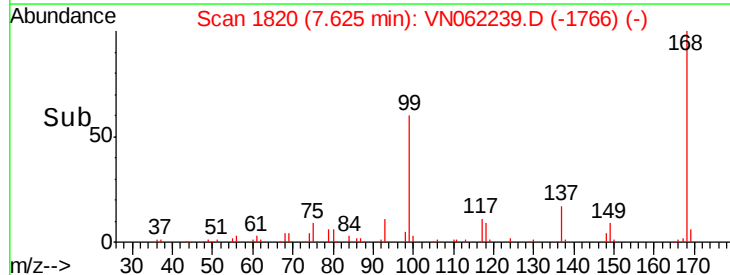
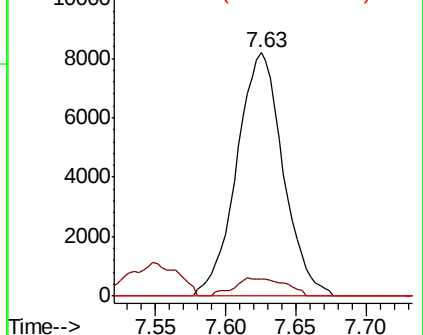


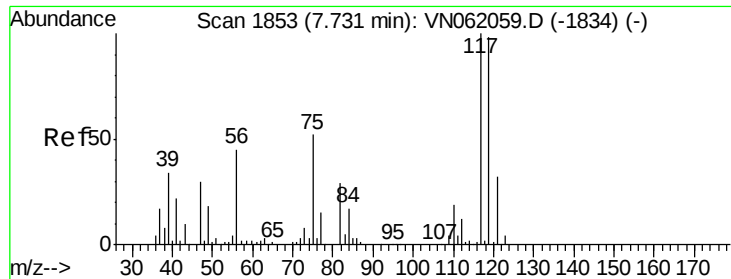
#36
 1,1-Dichloropropene
 Concen: 4.587 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062239.D
 Acq: 30 Jun 2020 15:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	3.8	17.9	53.8#
77	0.0	24.9	37.3#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

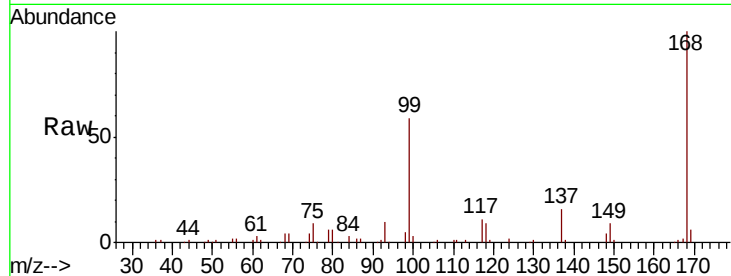




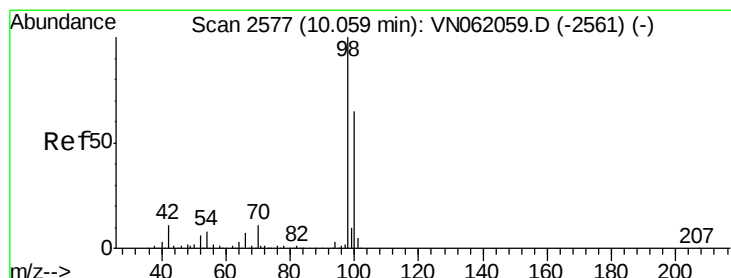
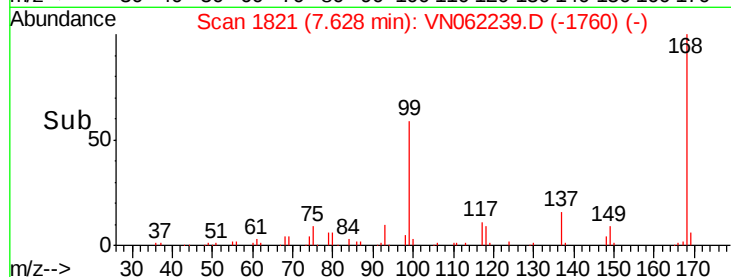
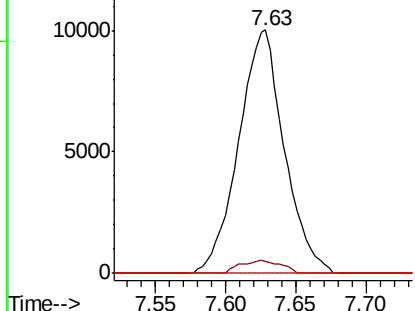
#38
Carbon Tetrachloride
Concen: 5.850 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.10 min
Lab File: VN062239.D
Acq: 30 Jun 2020 15:02

Instrument :
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ClientSampleId :
BP-MW180-FB-20200626

Tot Ion:117 Resp: 22663
Ion Ratio Lower Upper
117 100
119 4.9 78.2 117.2#
121 0.0 25.8 38.6#

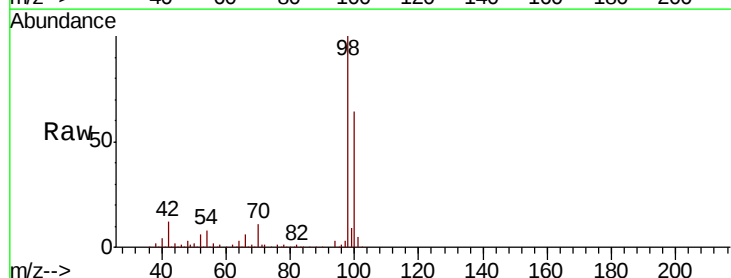


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

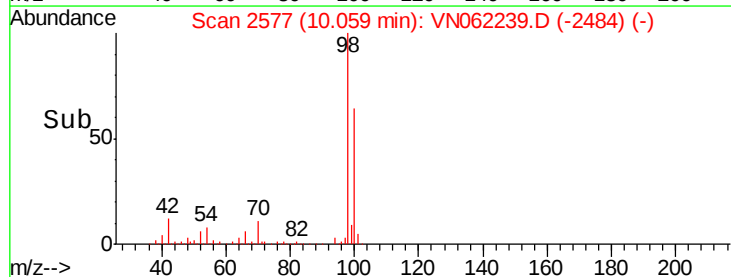
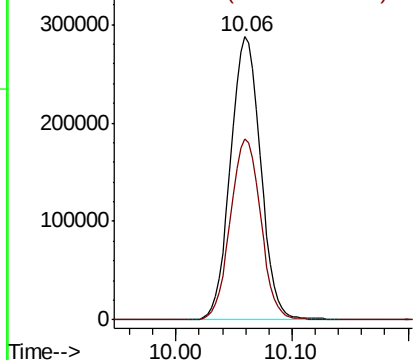


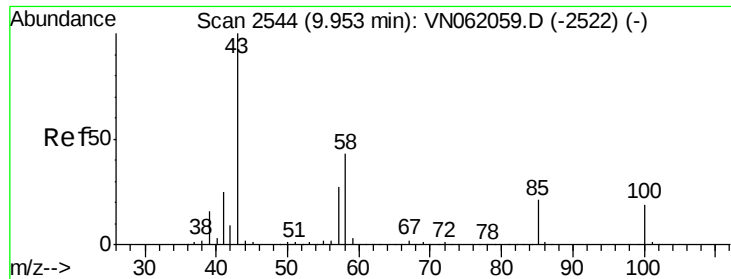
#50
Toluene-d8
Concen: 49.452 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062239.D
Acq: 30 Jun 2020 15:02

Tgt Ion: 98 Resp: 518471
Ion Ratio Lower Upper
98 100
100 64.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN
Ion 100.00 (99.70 to 100.70): VN

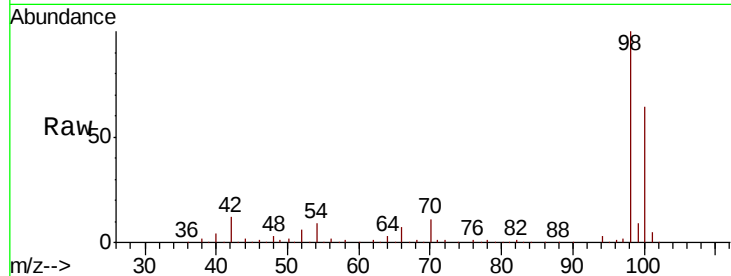




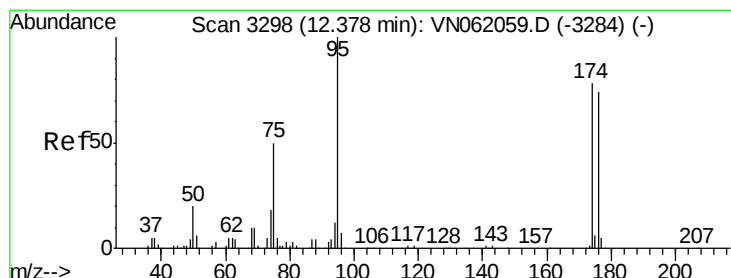
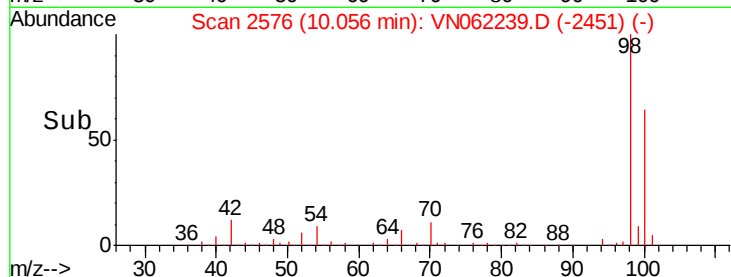
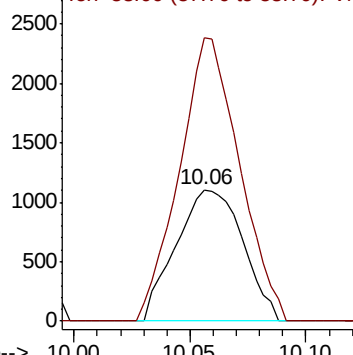
#51
4-Methyl-2-Pentanone
Concen: 0.681 ug/l
RT: 10.06 min Scan# 2576
Delta R.T. 0.10 min
Lab File: VN062239.D
Acq: 30 Jun 2020 15:02

Instrument :
MSVOA_N
ClientSampleId :
BP-MW180-FB-20200626

Tot Ion: 43 Resp: 2206
Ion Ratio Lower Upper
43 100
58 194.3 34.2 51.2#

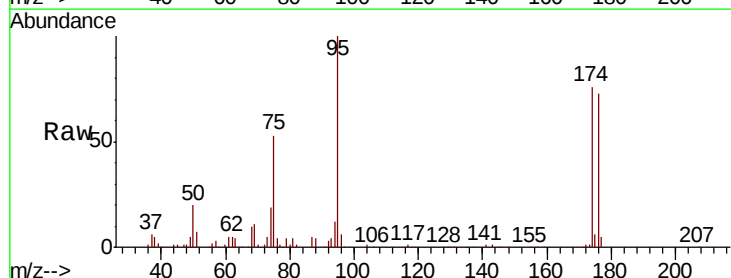


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

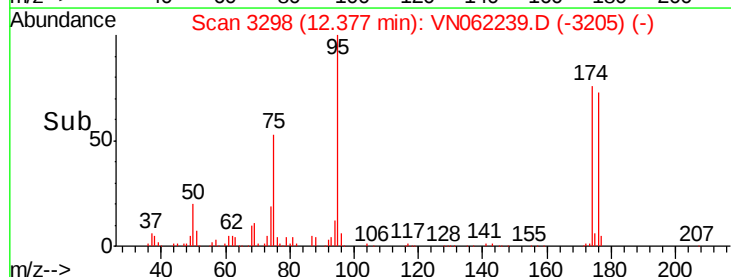
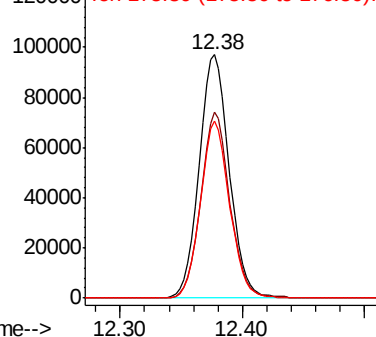


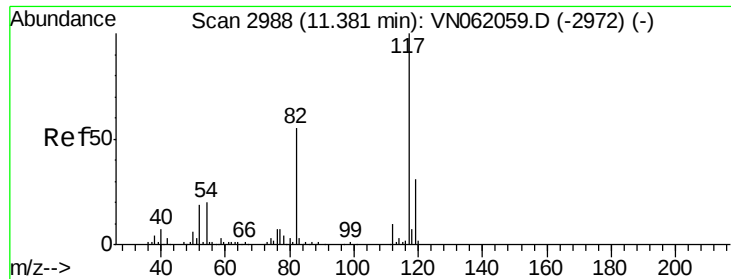
#62
4-Bromofluorobenzene
Concen: 47.156 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062239.D
Acq: 30 Jun 2020 15:02

Tgt Ion: 95 Resp: 167036
Ion Ratio Lower Upper
95 100
174 73.8 0.0 154.8
176 70.6 0.0 147.4



Abundance Ion 94.90 (94.60 to 95.60): VN0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

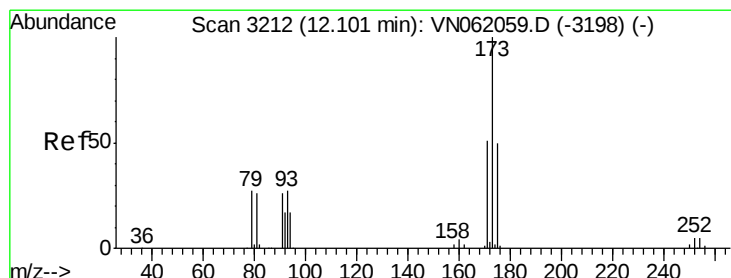
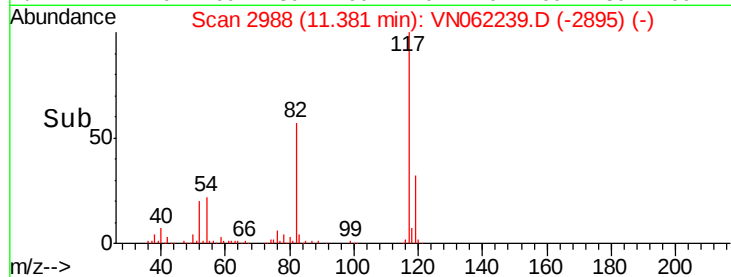
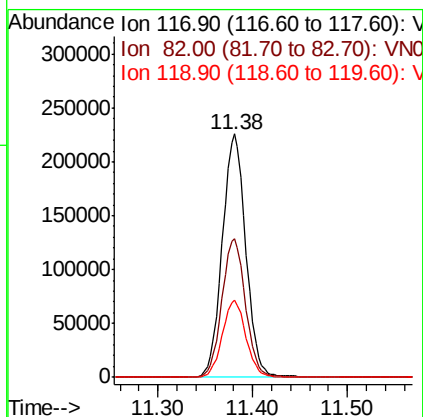
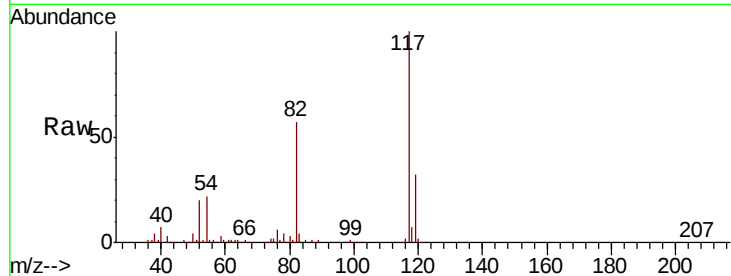




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062239.D
Acq: 30 Jun 2020 15:02

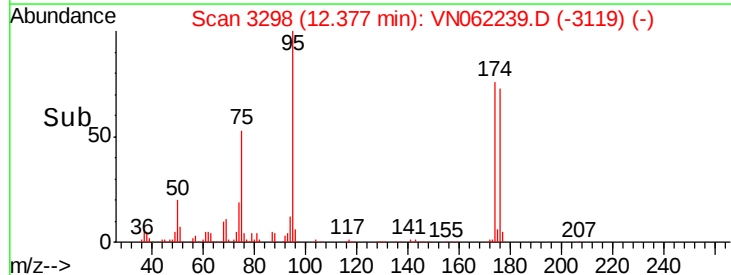
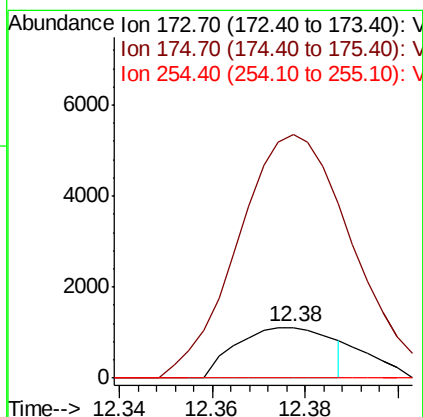
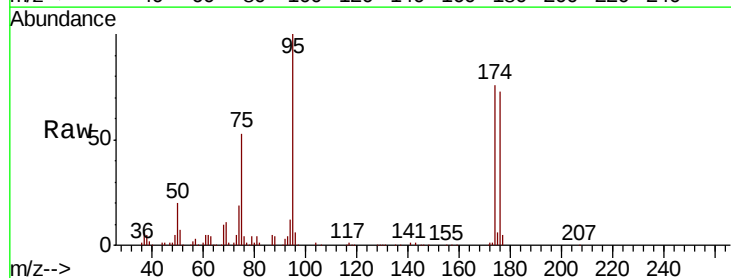
Instrument :
MSVOA_N
ClientSampleId :
BP-MW180-FB-20200626

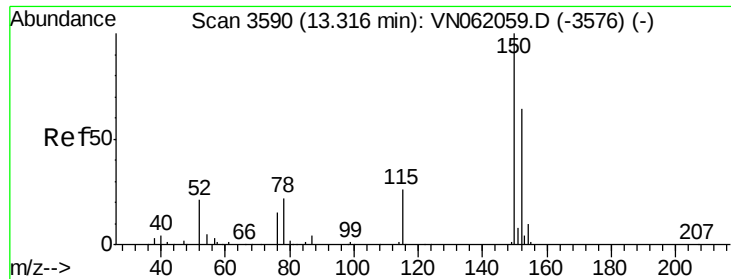
Tot Ion:117 Resp: 390818
Ion Ratio Lower Upper
117 100
82 56.8 43.8 65.8
119 31.6 25.2 37.8



#71
Bromoform
Concen: 0.745 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN062239.D
Acq: 30 Jun 2020 15:02

Tgt Ion:173 Resp: 1572
Ion Ratio Lower Upper
173 100
175 479.2 24.7 74.1#
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: VN062239.D

Acq: 30 Jun 2020 15:02

Instrument :

MSVOA_N

ClientSampleId :

BP-MW180-FB-20200626

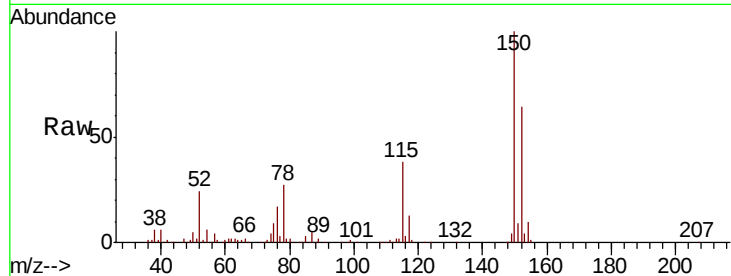
Tot Ion:152 Resp: 141059

Ion Ratio Lower Upper

152 100

115 60.0 29.5 88.5

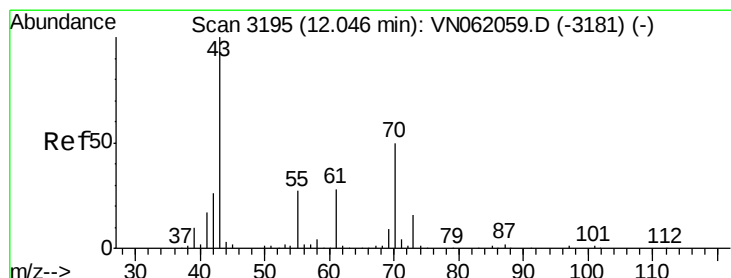
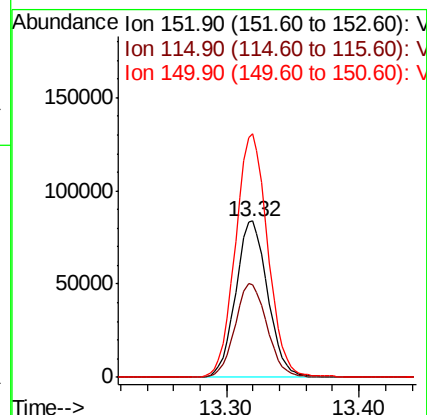
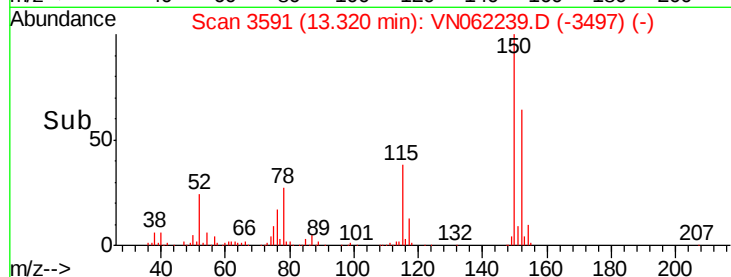
150 157.9 0.0 351.4



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



#74

N-ethyl acetate

Concen: 3.350 ug/l

RT: 12.03 min Scan# 3191

Delta R.T. -0.01 min

Lab File: VN062239.D

Acq: 30 Jun 2020 15:02

Tgt Ion: 43 Resp: 30

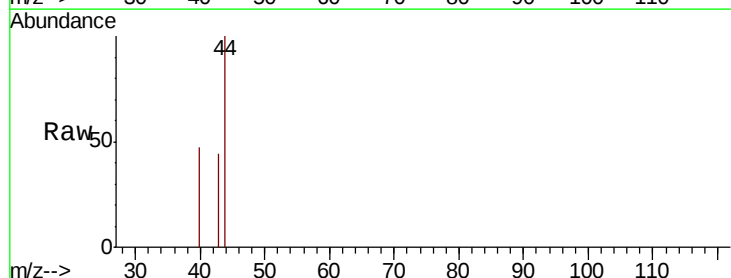
Ion Ratio Lower Upper

43 100

70 0.0 39.4 59.2#

55 0.0 21.7 32.5#

61 0.0 21.3 31.9#

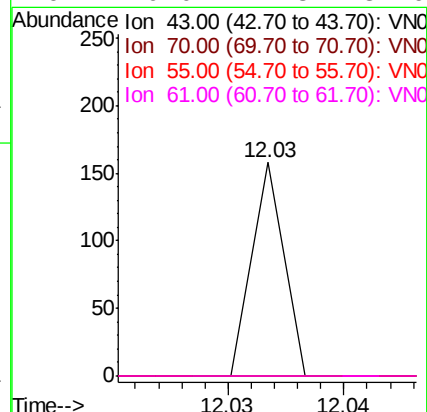
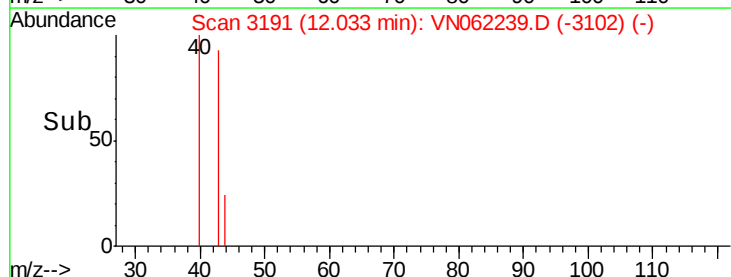


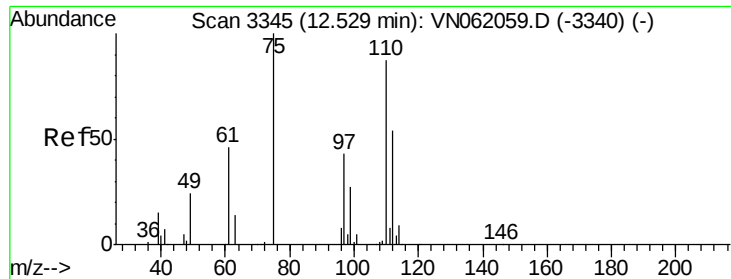
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 26.240 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062239.D

Acq: 30 Jun 2020 15:02

Instrument :

MSVOA_N

ClientSampleId :

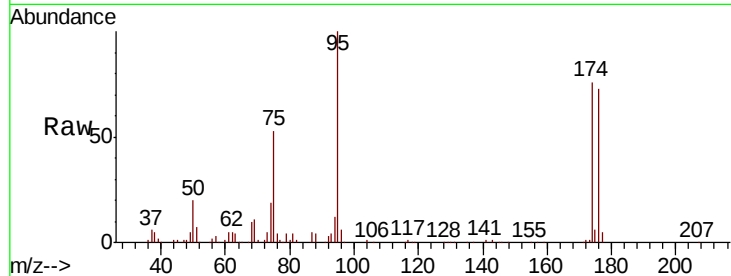
BP-MW180-FB-20200626

Tot Ion: 75 Resp: 87135

Ion Ratio Lower Upper

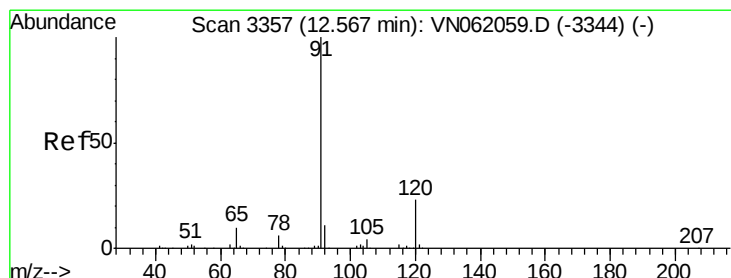
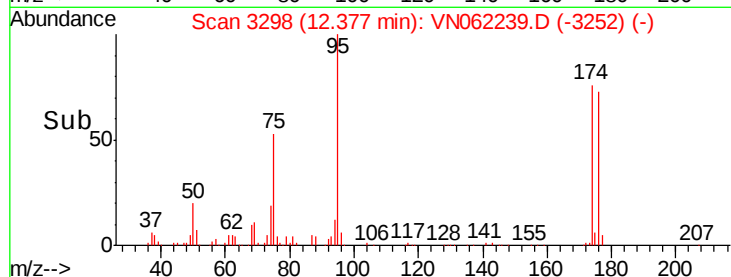
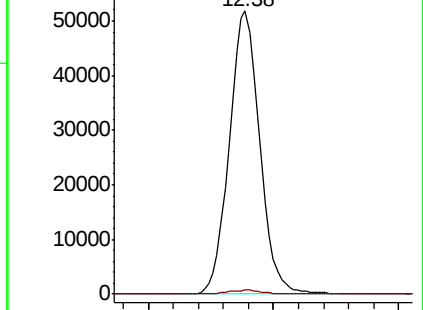
75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN062239.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN062239.D (-3252) (-)



#78

n-propylbenzene

Concen: 0.394 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.08 min

Lab File: VN062239.D

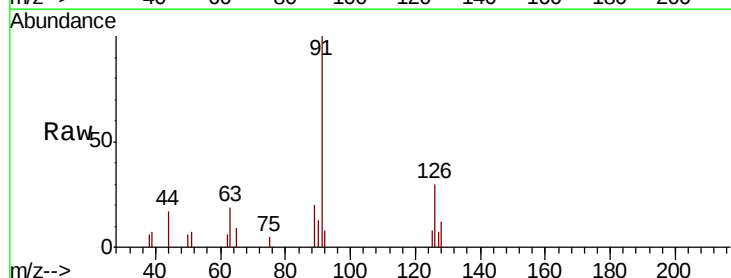
Acq: 30 Jun 2020 15:02

Tgt Ion: 91 Resp: 4915

Ion Ratio Lower Upper

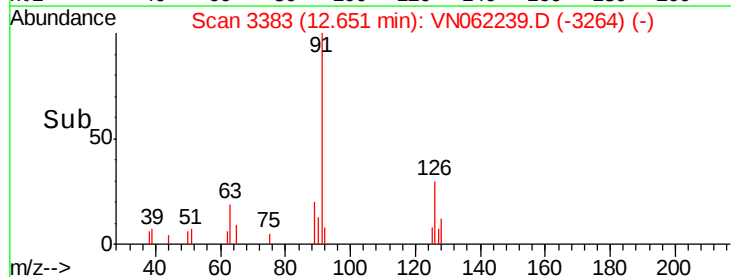
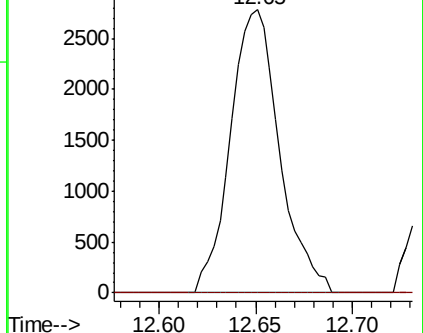
91 100

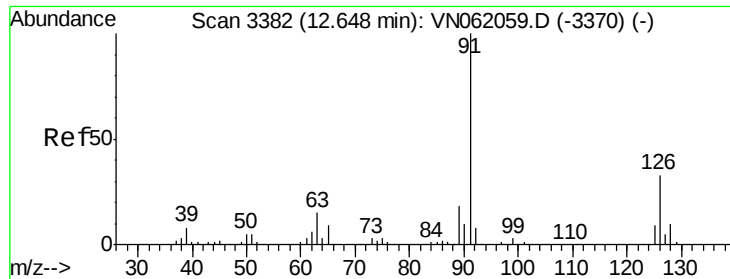
120 0.0 11.4 34.1#



Abundance Ion 91.00 (90.70 to 91.70): VN062239.D (-3264) (-)

Ion 120.00 (119.70 to 120.70): VN062239.D (-3264) (-)

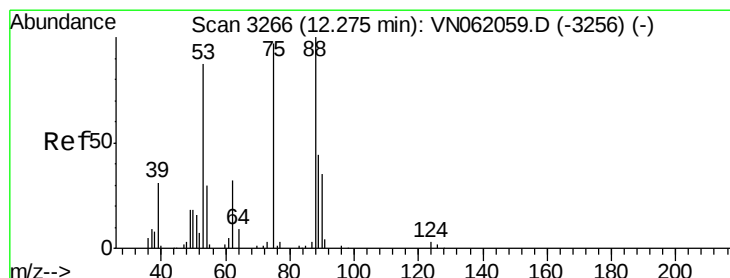
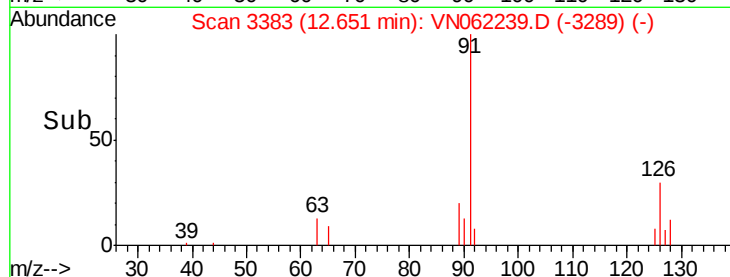
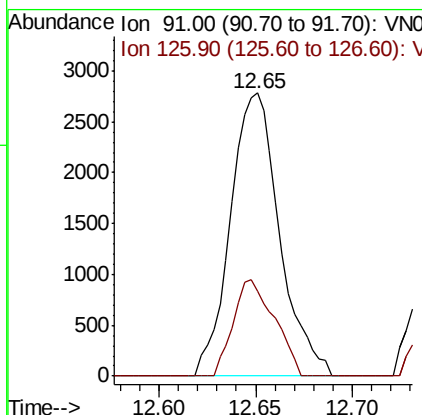
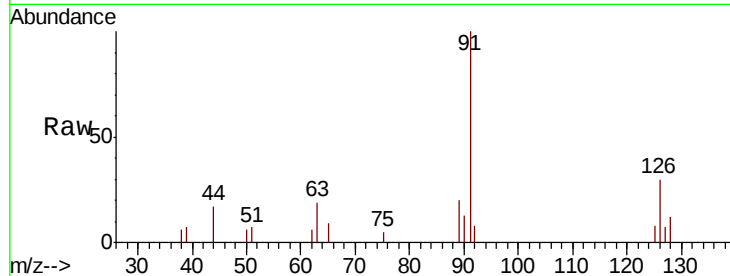




#79
2-Chlorotoluene
Concen: 0.651 ug/l
RT: 12.65 min Scan# 3383
Delta R.T. 0.00 min
Lab File: VN062239.D
Acq: 30 Jun 2020 15:02

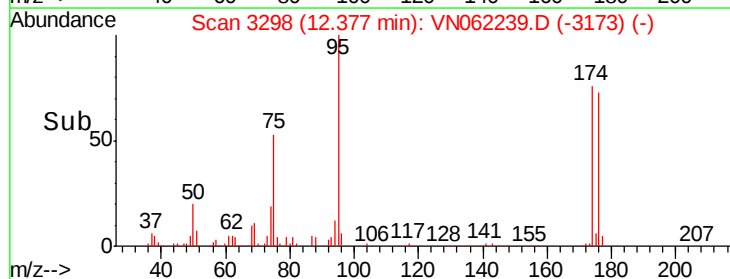
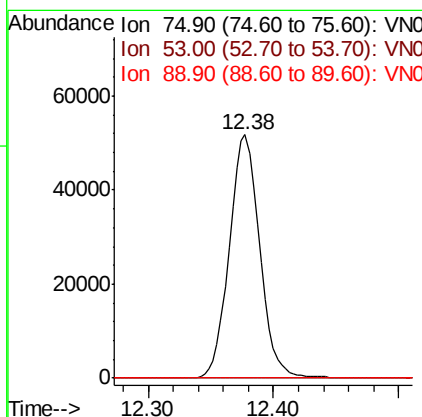
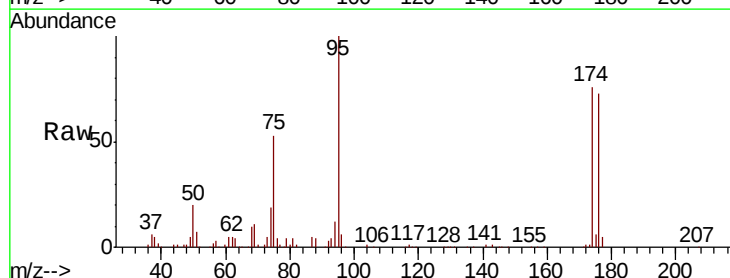
Instrument :
MSVOA_N
ClientSampleId :
BP-MW180-FB-20200626

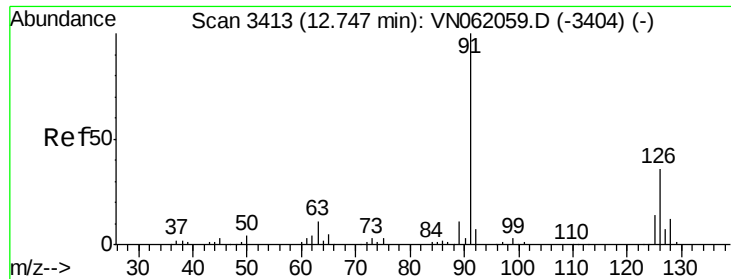
Tot Ion: 91 Resp: 4915
Ion Ratio Lower Upper
91 100
126 28.4 16.9 50.7



#81
trans-1,4-Dichloro-2-butene
Concen: 76.632 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.10 min
Lab File: VN062239.D
Acq: 30 Jun 2020 15:02

Tgt Ion: 75 Resp: 87135
Ion Ratio Lower Upper
75 100
53 0.0 72.0 108.0#
89 0.0 36.9 55.3#





#82

4-Chlorotoluene

Concen: 0.739 ug/l

RT: 12.75 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VN062239.D

Acq: 30 Jun 2020 15:02

Instrument :

MSVOA_N

ClientSampleId :

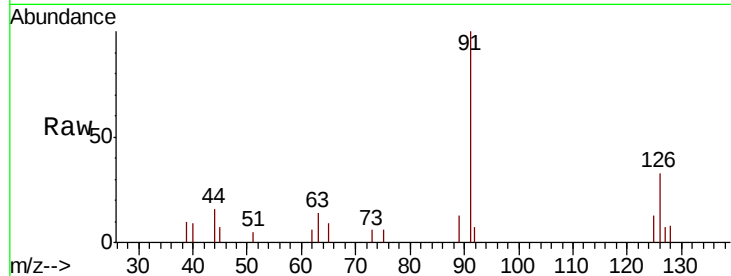
BP-MW180-FB-20200626

Tot Ion: 91 Resp: 5774

Ion Ratio Lower Upper

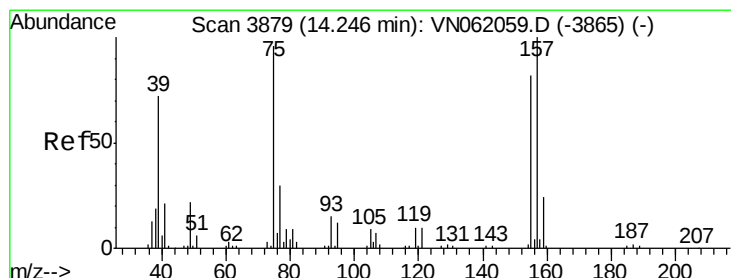
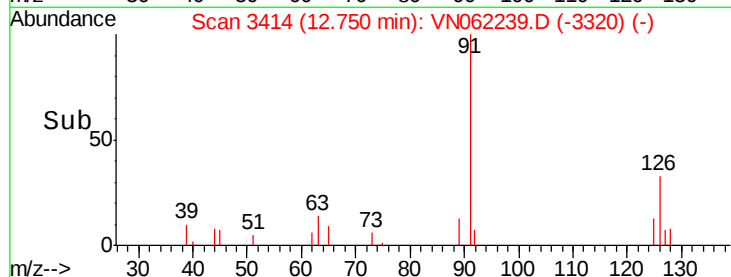
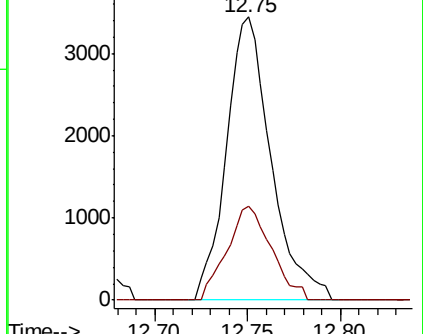
91 100

126 32.9 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN062059.D (-3404) (-)

Ion 125.90 (125.60 to 126.60): VN062059.D (-3404) (-)



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.526 ug/l

RT: 14.35 min Scan# 3912

Delta R.T. 0.11 min

Lab File: VN062239.D

Acq: 30 Jun 2020 15:02

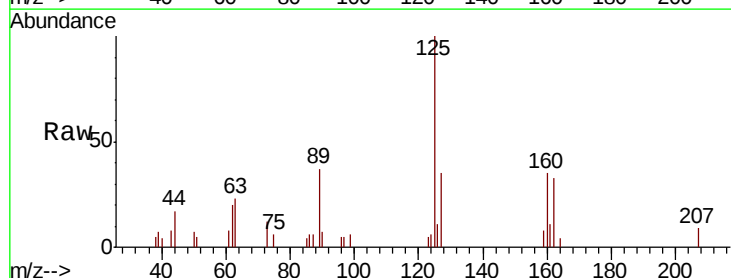
Tgt Ion: 75 Resp: 306

Ion Ratio Lower Upper

75 100

155 0.0 40.8 122.4#

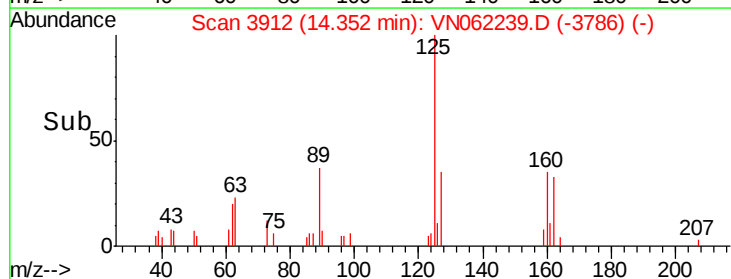
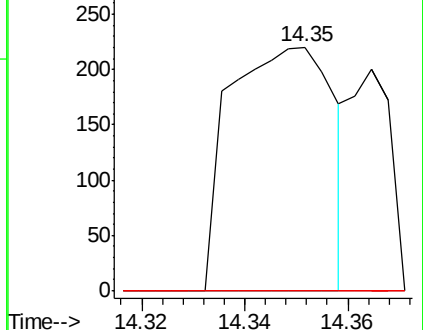
157 0.0 51.4 154.3#

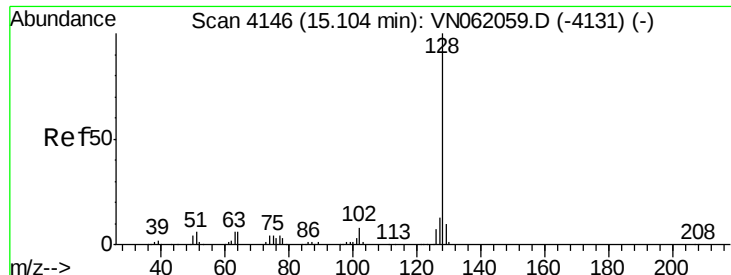


Abundance Ion 74.90 (74.60 to 75.60): VN062059.D (-3865) (-)

Ion 154.80 (154.50 to 155.50): VN062059.D (-3865) (-)

Ion 156.80 (156.50 to 157.50): VN062059.D (-3865) (-)





#95

Naphthalene

Concen: 4.047 ug/l

RT: 15.11 min Scan# 4149

Delta R.T. 0.01 min

Lab File: VN062239.D

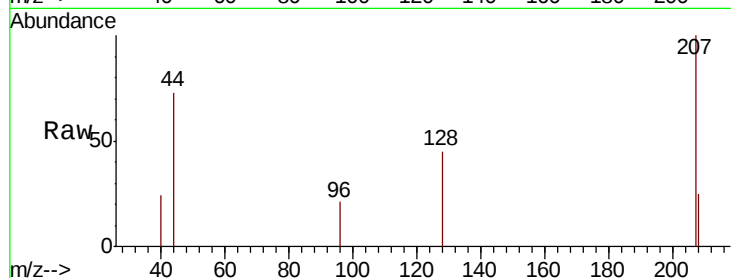
Acq: 30 Jun 2020 15:02

Instrument :

MSVOA_N

ClientSampleId :

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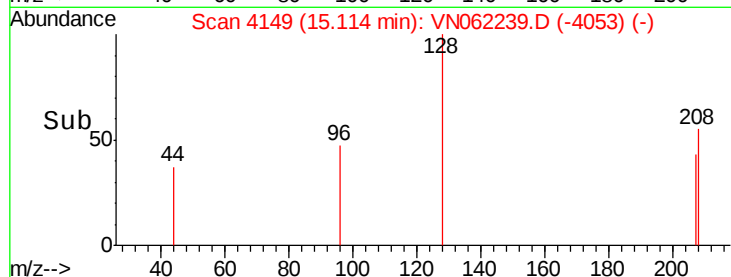
Tot Ion:128 Resp: 384

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

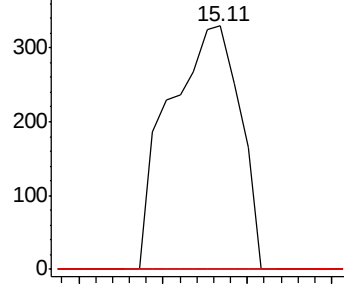
129 0.0 8.6 13.0#



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



Time-->