

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070120\
 Data File : VN062294.D
 Acq On : 1 Jul 2020 16:06
 Operator : JC/MD
 Sample : L3136-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MW180-TB-20200625

Quant Time: Jul 02 06:54:36 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	199824	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	394464	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	379536	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	137868	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	159265	56.80	ug/l	0.00
Spiked Amount			Recovery	=	113.60%	
35) Dibromofluoromethane	7.55	113	127418	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	
50) Toluene-d8	10.06	98	511774	50.59	ug/l	0.00
Spiked Amount			Recovery	=	101.18%	
62) 4-Bromofluorobenzene	12.38	95	165291	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	

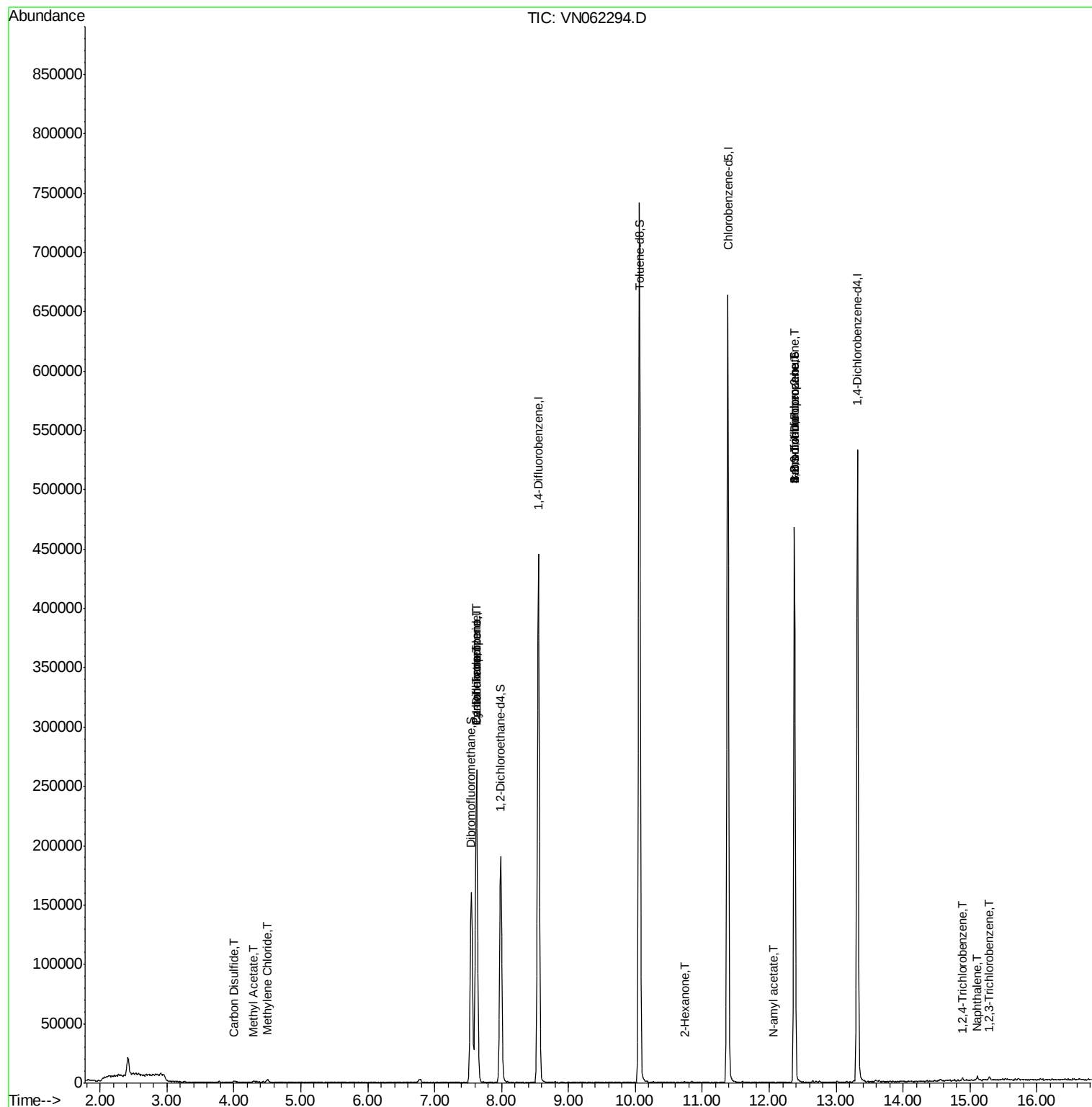
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	370	Below Cal	#	41
16) Acetone	3.79	43	443	Below Cal	#	40
17) Carbon Disulfide	4.01	76	1466	0.273	ug/l #	75
18) Methyl Acetate	4.28	43	673	0.302	ug/l #	46
20) Methylene Chloride	4.50	84	1602	0.407	ug/l	97
31) Cyclohexane	7.62	56	5124	1.323	ug/l #	4
36) 1,1-Dichloropropene	7.63	75	18058	4.554	ug/l #	47
38) Carbon Tetrachloride	7.63	117	20759	5.553	ug/l #	16
59) 2-Hexanone	10.73	43	482	0.213	ug/l #	21
71) Bromoform	12.37	173	1048	0.511	ug/l #	1
74) N-amyl acetate	12.06	43	364	3.430	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	85514	26.348	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	85514	76.947	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.89	180	662	0.336	ug/l #	73
95) Naphthalene	15.11	128	3397	4.471	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.29	180	996	0.494	ug/l #	76

(#) = 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: VN062294.D

Acq: 1 Jul 2020 16:06

Instrument :

MSVOA_N

ClientSampleId :

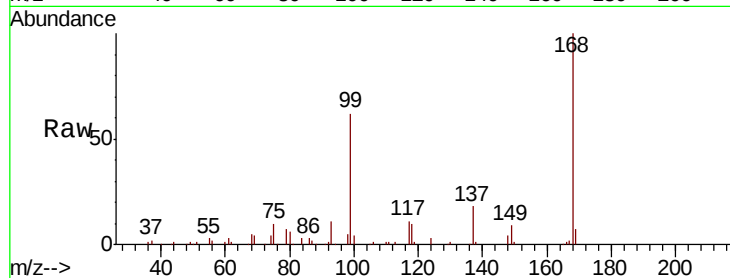
BP-MW180-TB-20200625

Tot Ion:168 Resp: 199824

Ion Ratio Lower Upper

168 100

99 61.7 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

80000

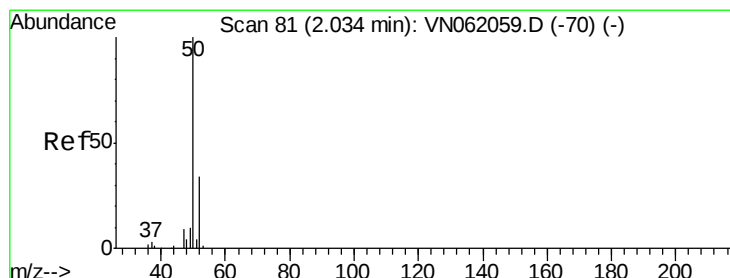
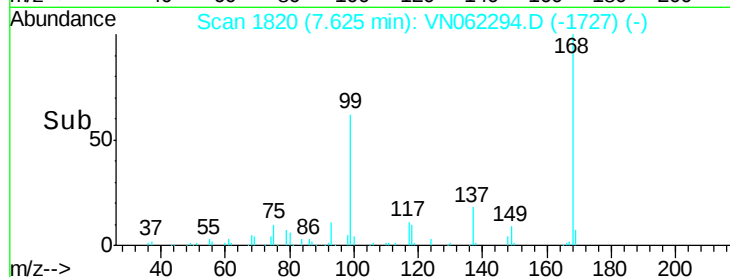
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 84

Delta R.T. 0.01 min

Lab File: VN062294.D

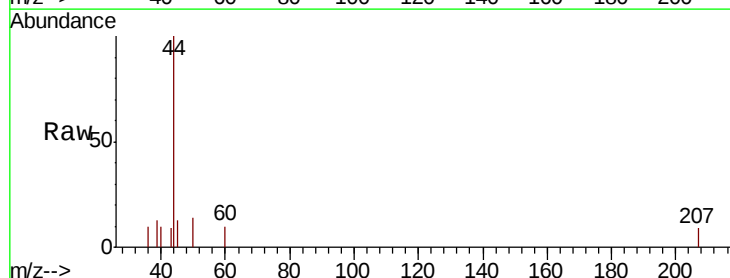
Acq: 1 Jul 2020 16:06

Tgt Ion: 50 Resp: 370

Ion Ratio Lower Upper

50 100

52 0.0 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

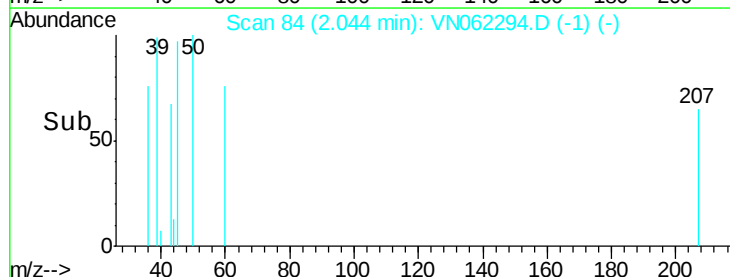
300

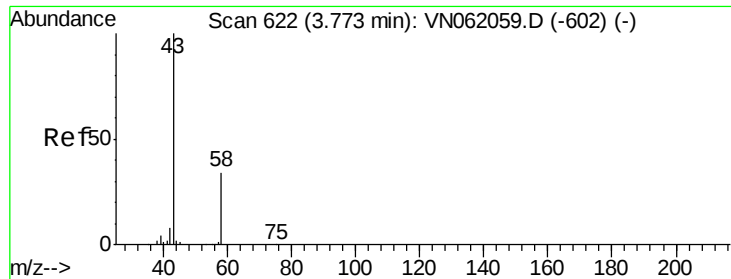
200

100

0

Time--> 2.02 2.04 2.06

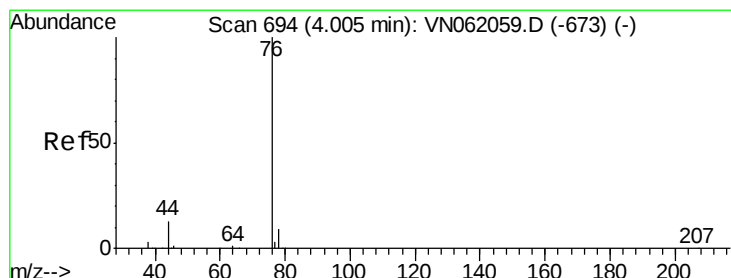
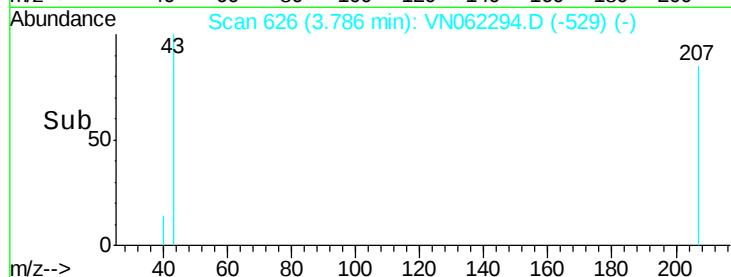
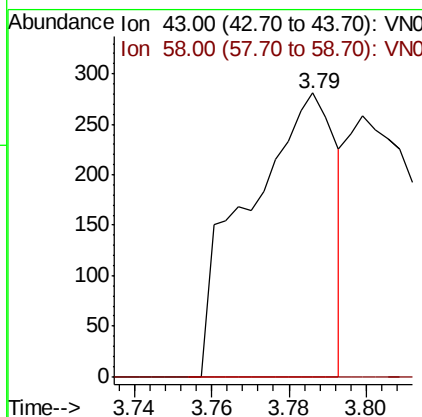
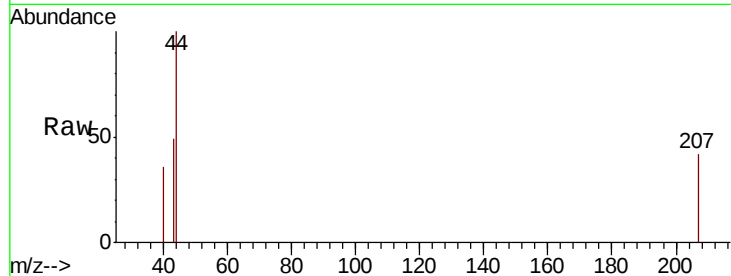




#16
Acetone
Concen: Below Cal
RT: 3.79 min Scan# 626
Delta R.T. 0.01 min
Lab File: VN062294.D
Acq: 1 Jul 2020 16:06

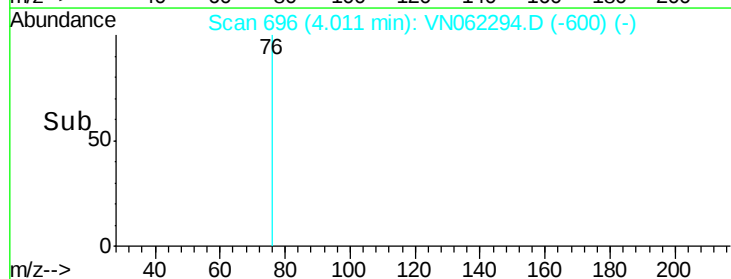
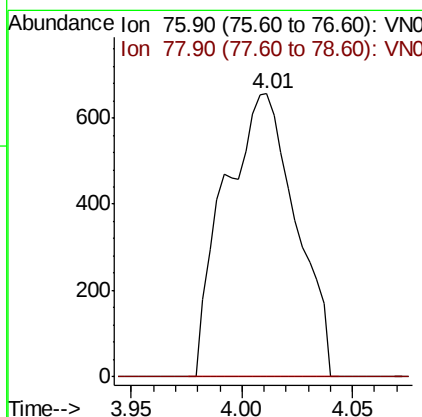
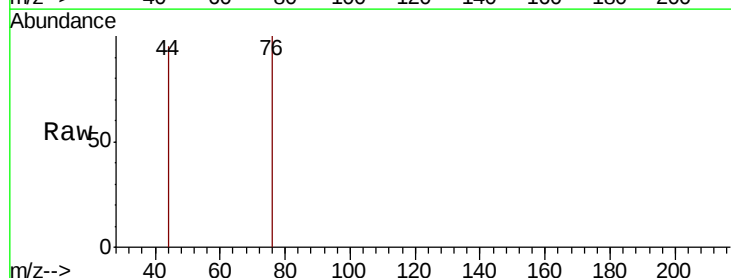
Instrument :
MSVOA_N
ClientSampleId :
BP-MW180-TB-20200625

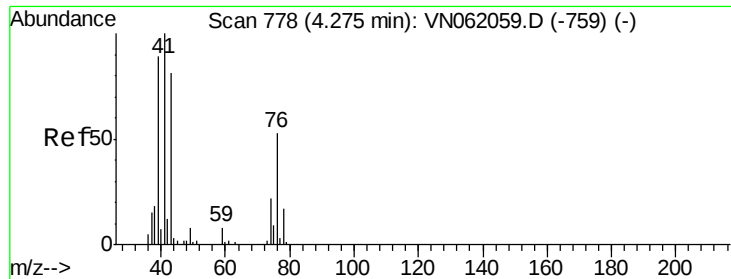
Tot Ion: 43 Resp: 443
Ion Ratio Lower Upper
43 100
58 0.0 27.5 41.3#



#17
Carbon Disulfide
Concen: 0.273 ug/l
RT: 4.01 min Scan# 696
Delta R.T. 0.01 min
Lab File: VN062294.D
Acq: 1 Jul 2020 16:06

Tgt Ion: 76 Resp: 1466
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

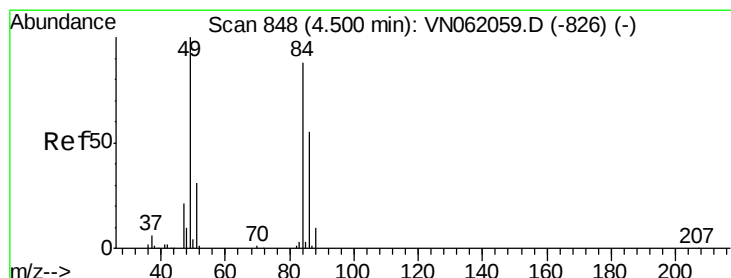
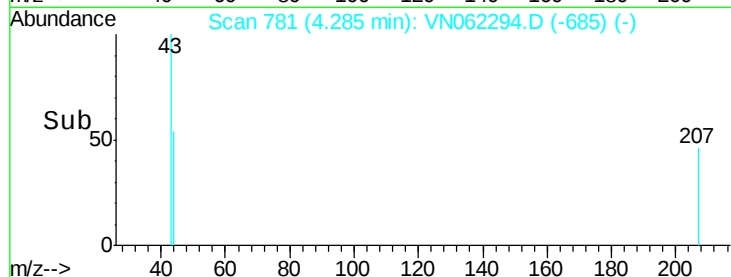
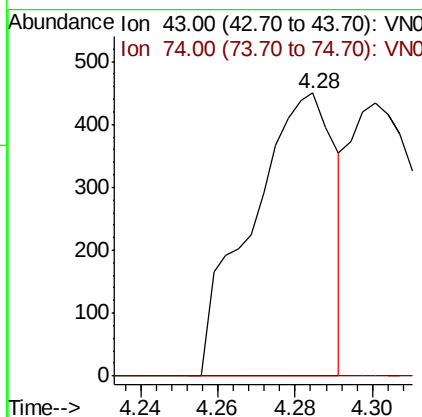
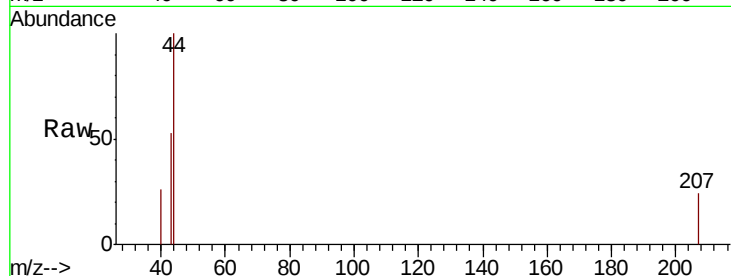




#18
Methyl Acetate
Concen: 0.302 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.01 min
Lab File: VN062294.D
Acq: 1 Jul 2020 16:06

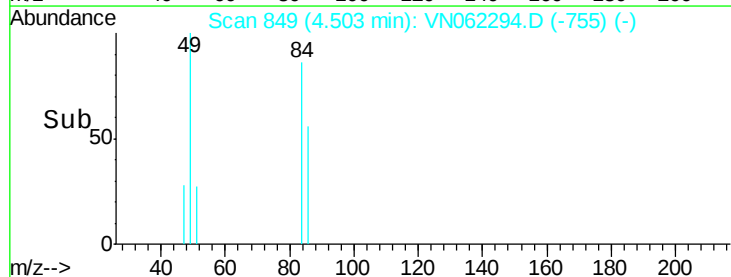
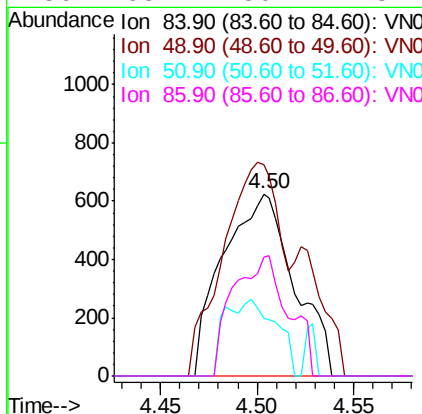
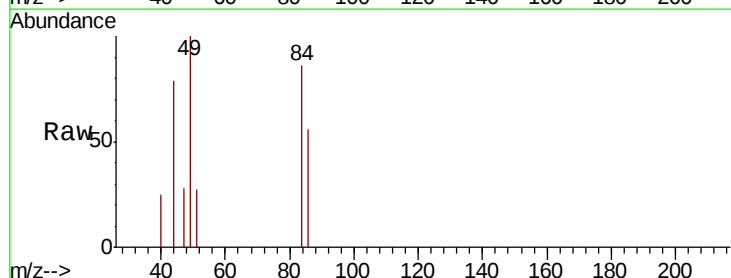
Instrument :
MSVOA_N
ClientSampleId :
BP-MW180-TB-20200625

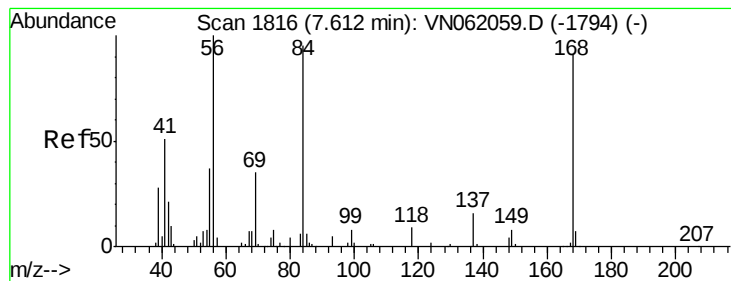
Tot Ion: 43 Resp: 673
Ion Ratio Lower Upper
43 100
74 0.0 22.9 34.3#



#20
Methylene Chloride
Concen: 0.407 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062294.D
Acq: 1 Jul 2020 16:06

Tgt Ion: 84 Resp: 1602
Ion Ratio Lower Upper
84 100
49 115.7 90.6 136.0
51 31.5 27.8 41.8
86 65.2 50.1 75.1





#31

Cvclohexane

Concen: 1.323 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN062294.D

Acq: 1 Jul 2020 16:06

Instrument :

MSVOA_N

ClientSampleId :

BP-MW180-TB-20200625

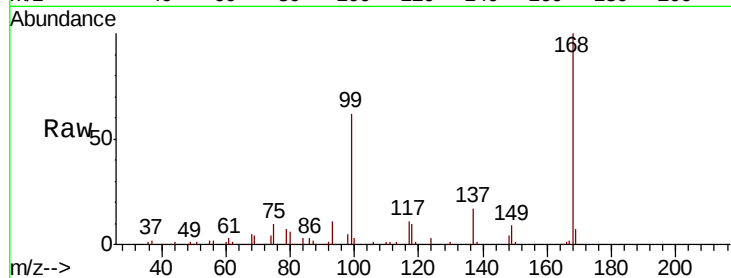
Tot Ion: 56 Resp: 5124

Ion Ratio Lower Upper

56 100

69 175.7 28.0 42.0#

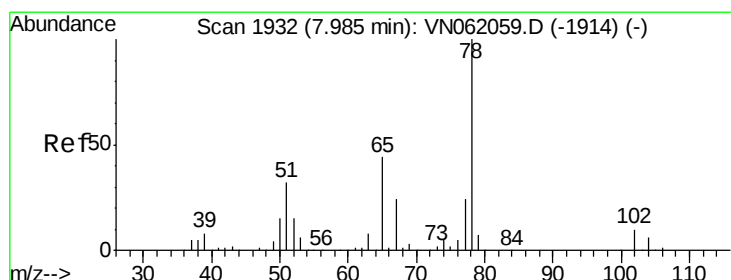
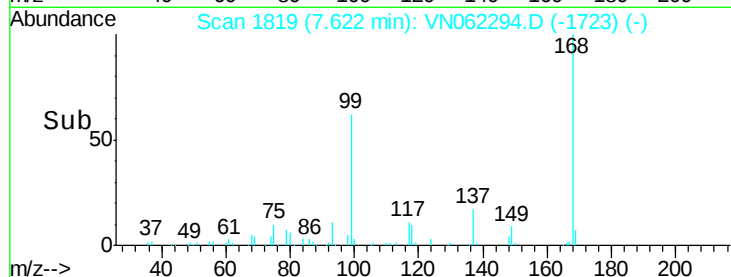
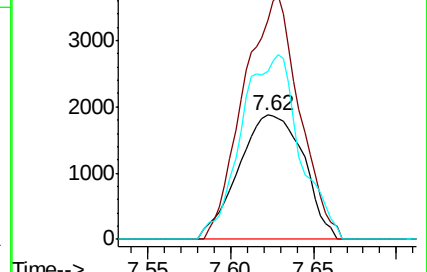
84 135.4 76.1 114.1#



Abundance Ion 56.00 (55.70 to 56.70): VN062294.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN062294.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN062294.D (-1723) (-)



#33

1,2-Dichloroethane-d4

Concen: 56.795 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. 0.00 min

Lab File: VN062294.D

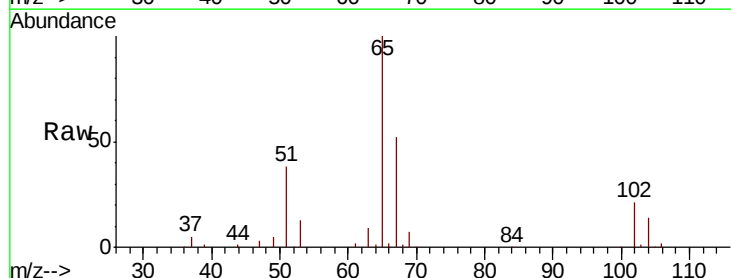
Acq: 1 Jul 2020 16:06

Tgt Ion: 65 Resp: 159265

Ion Ratio Lower Upper

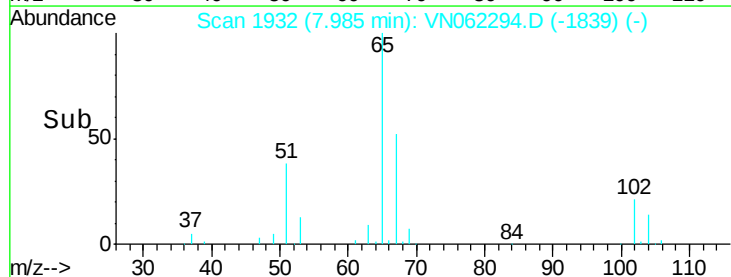
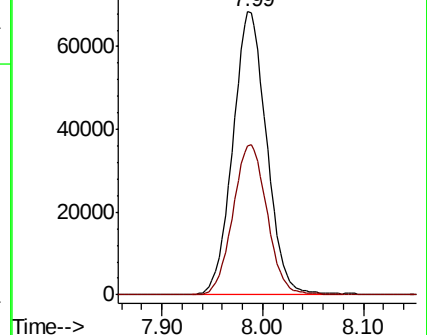
65 100

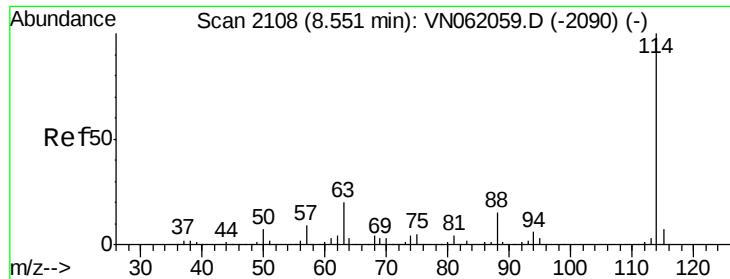
67 53.5 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN062294.D (-1839) (-)

Ion 66.90 (66.60 to 67.60): VN062294.D (-1839) (-)

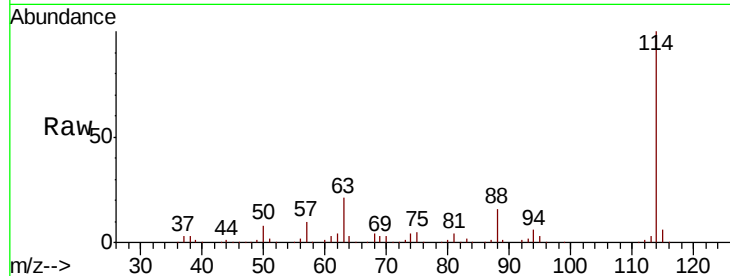




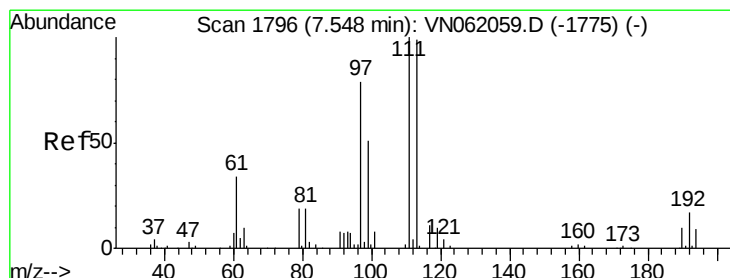
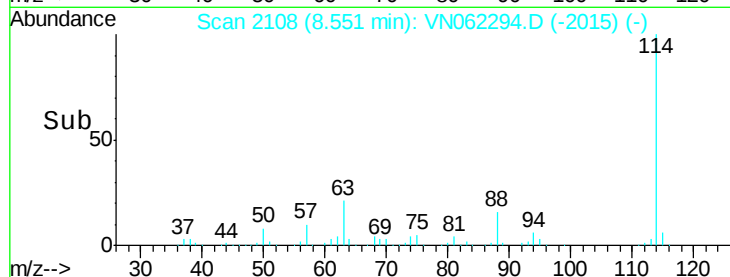
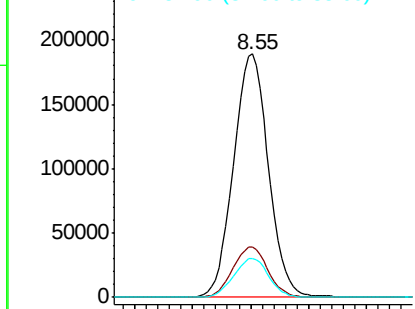
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062294.D
 Acq: 1 Jul 2020 16:06

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MW180-TB-20200625

Tot Ion:114 Resp: 394464
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 39.2
 88 16.1 0.0 30.8

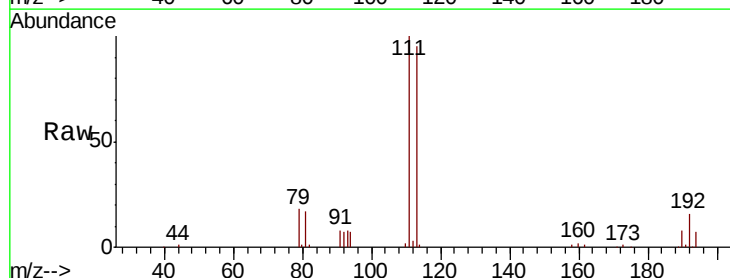


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

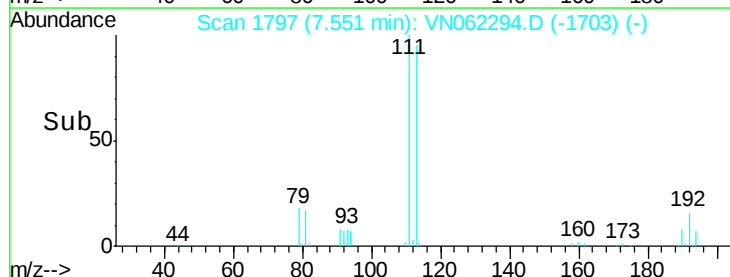
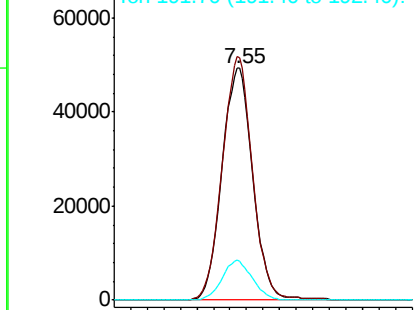


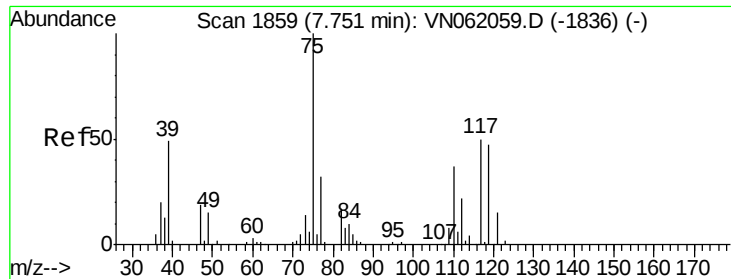
#35
 Dibromofluoromethane
 Concen: 50.349 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062294.D
 Acq: 1 Jul 2020 16:06

Tgt Ion:113 Resp: 127418
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.2 123.4
 192 16.6 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

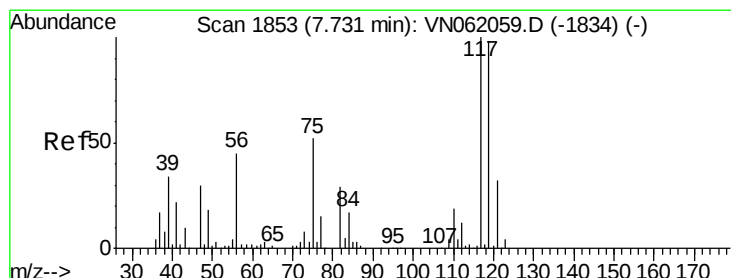
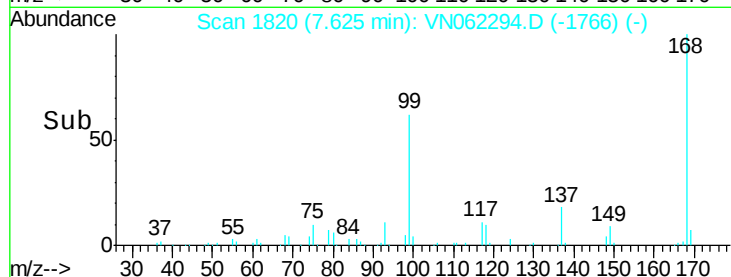
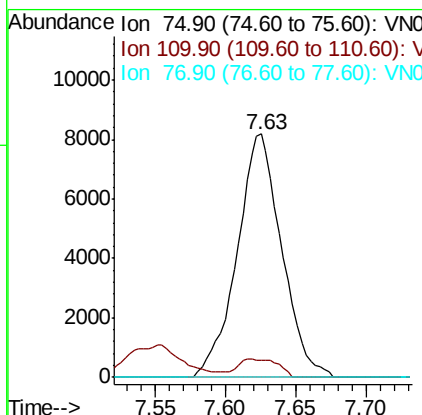
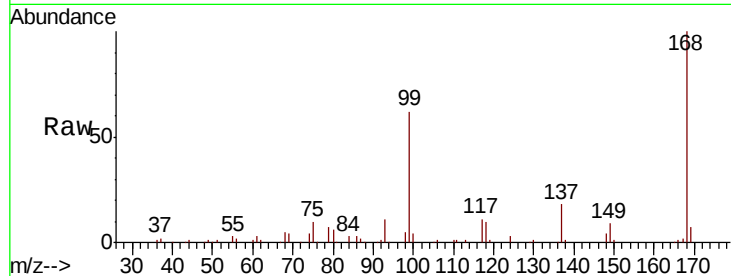




#36
 1,1-Dichloropropene
 Concen: 4.554 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062294.D
 Acq: 1 Jul 2020 16:06

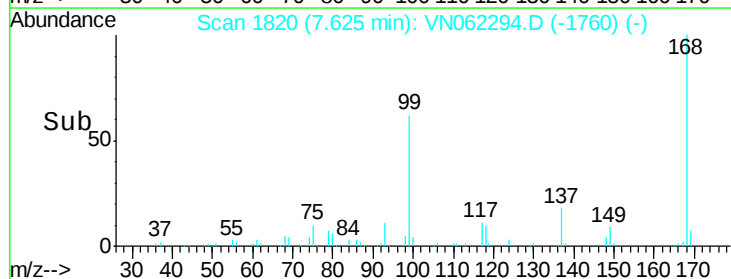
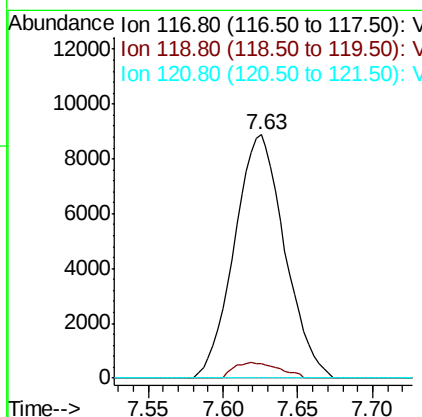
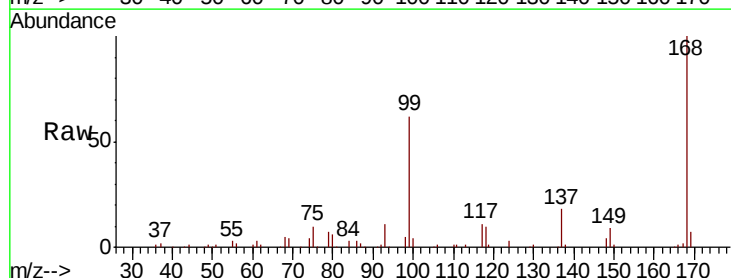
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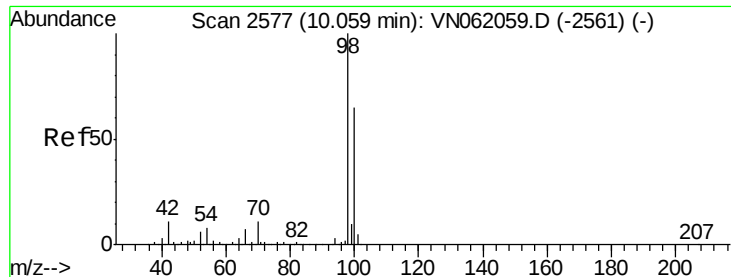
Tot Ion	75	Resp	18058
Ion Ratio	100	Lower	Upper
75	100		
110	6.8	17.9	53.8#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 5.553 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN062294.D
 Acq: 1 Jul 2020 16:06

Tgt Ion	117	Resp	20759
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	5.8	78.2	117.2#
121	0.0	25.8	38.6#





#50

Toluene-d8

Concen: 50.591 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062294.D

Acq: 1 Jul 2020 16:06

Instrument :

MSVOA_N

ClientSampleId :

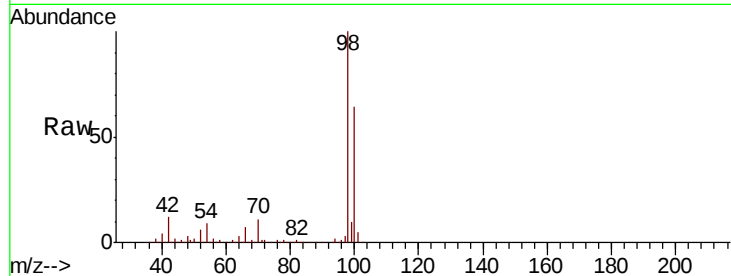
BP-MW180-TB-20200625

Tot Ion: 98 Resp: 511774

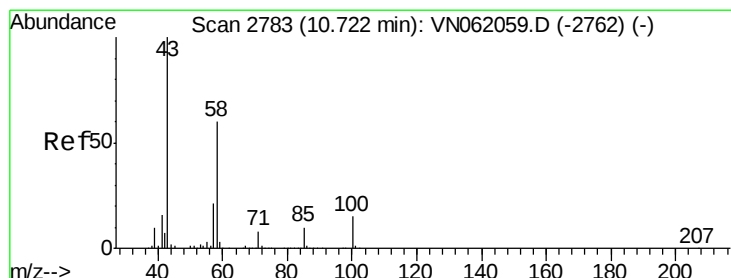
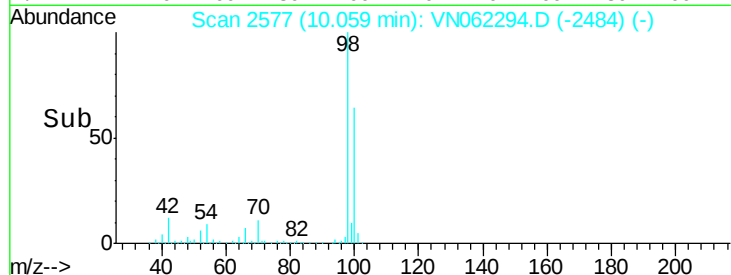
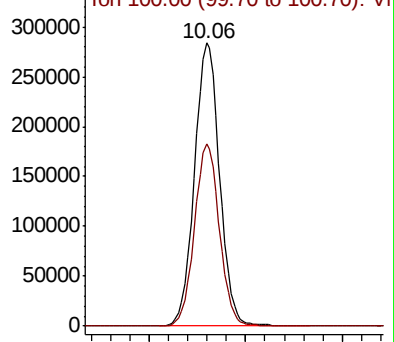
Ion Ratio Lower Upper

98 100

100 63.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN062059.D (-2561) (-)



#59

2-Hexanone

Concen: 0.213 ug/l

RT: 10.73 min Scan# 2787

Delta R.T. 0.01 min

Lab File: VN062294.D

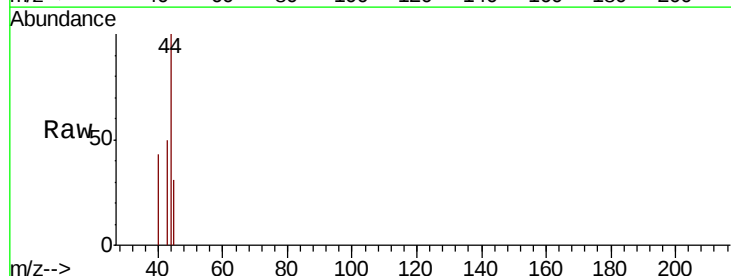
Acq: 1 Jul 2020 16:06

Tgt Ion: 43 Resp: 482

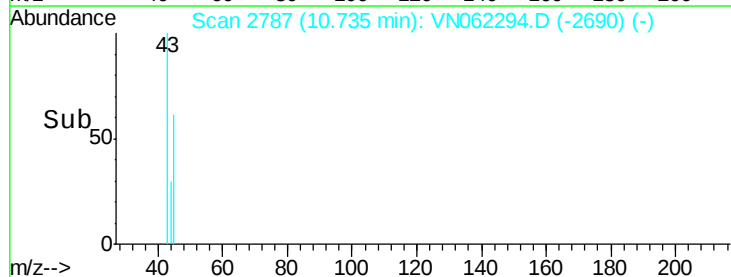
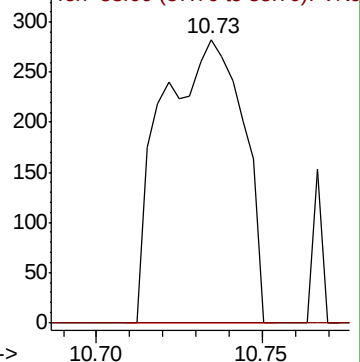
Ion Ratio Lower Upper

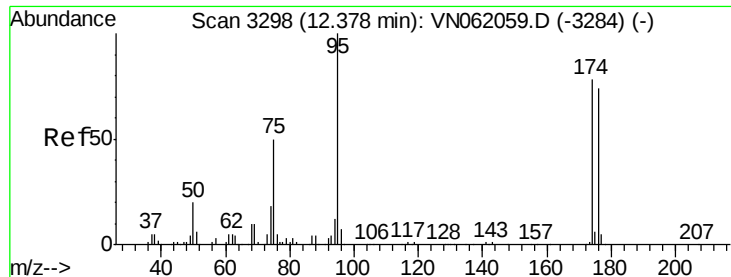
43 100

58 0.0 29.5 88.5#



Abundance Ion 43.00 (42.70 to 43.70): VN062059.D (-2762) (-)

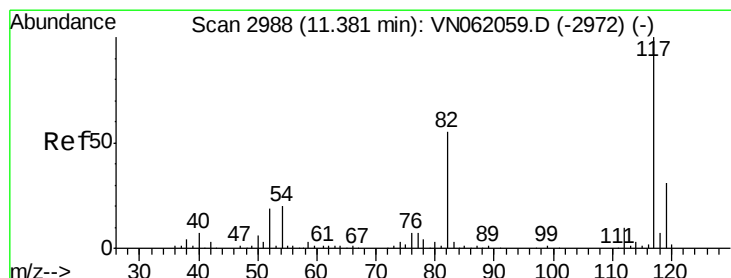
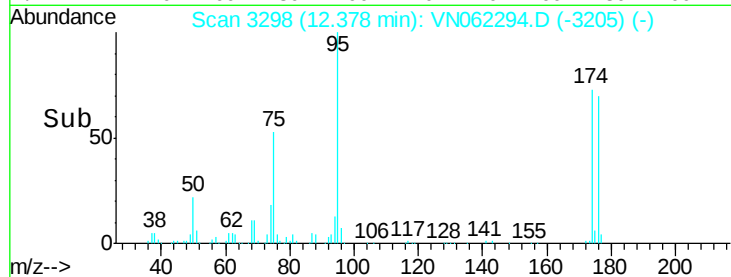
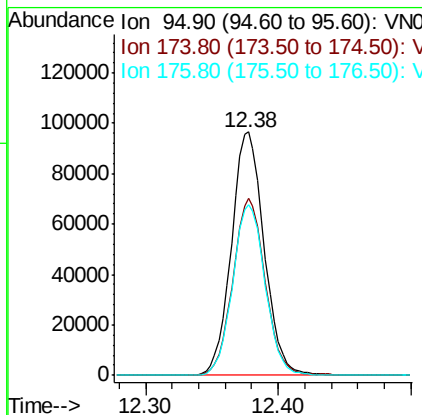
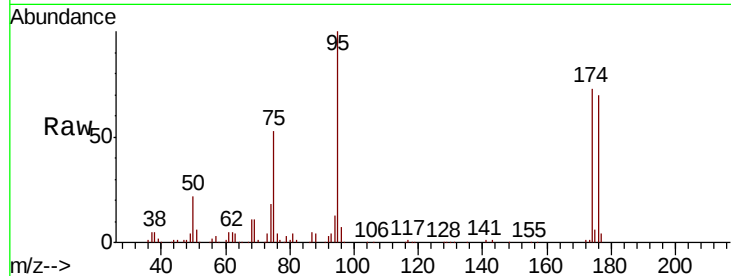




#62
4-Bromofluorobenzene
Concen: 48.362 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN062294.D
Acq: 1 Jul 2020 16:06

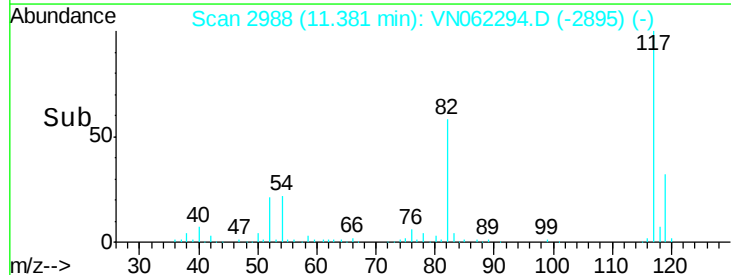
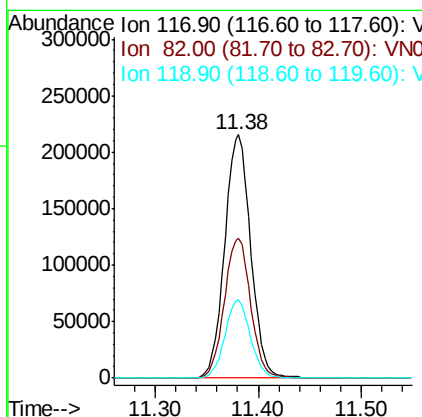
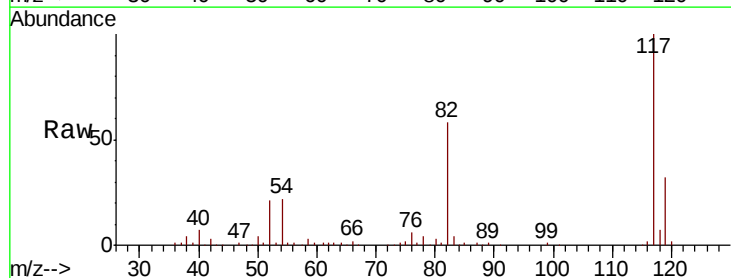
Instrument :
MSVOA_N
ClientSampleId :
BP-MW180-TB-20200625

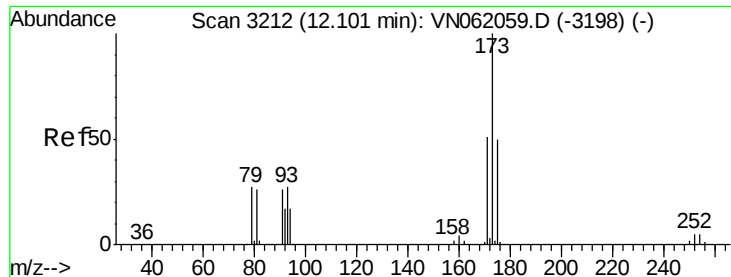
Tot Ion: 95 Resp: 165291
Ion Ratio Lower Upper
95 100
174 71.6 0.0 154.8
176 69.6 0.0 147.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062294.D
Acq: 1 Jul 2020 16:06

Tgt Ion: 117 Resp: 379536
Ion Ratio Lower Upper
117 100
82 57.7 43.8 65.8
119 32.0 25.2 37.8





#71

Bromoform

Concen: 0.511 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.27 min

Lab File: VN062294.D

Acq: 1 Jul 2020 16:06

Instrument :

MSVOA_N

ClientSampleId :

BP-MW180-TB-20200625

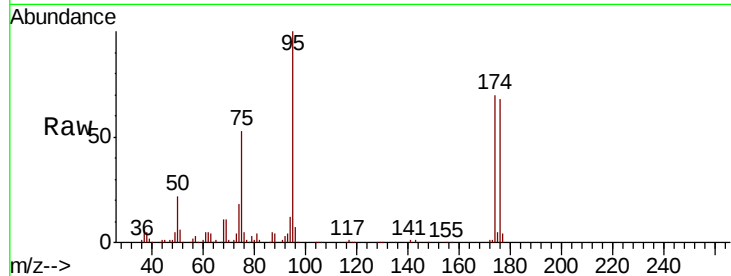
Tot Ion:173 Resp: 1048

Ion Ratio Lower Upper

173 100

175 727.2 24.7 74.1#

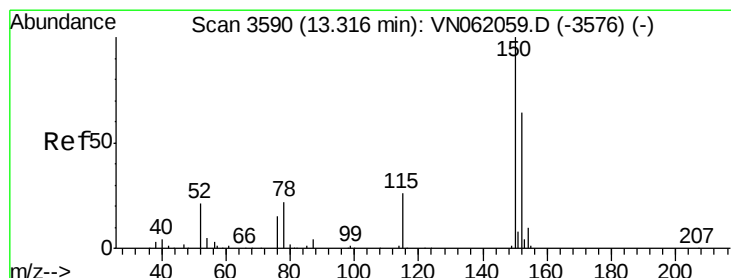
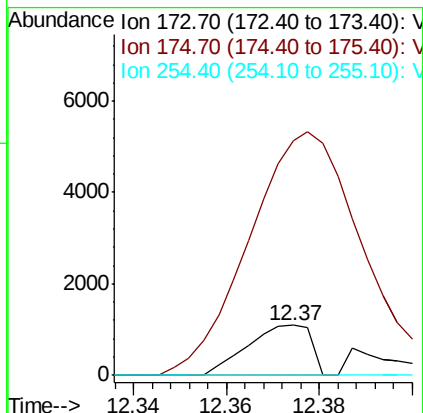
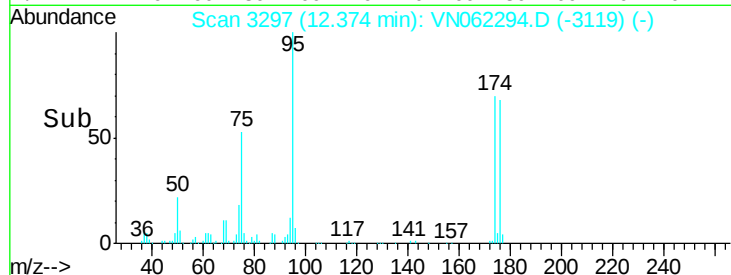
254 0.0 0.0 0.0



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: VN062294.D

Acq: 1 Jul 2020 16:06

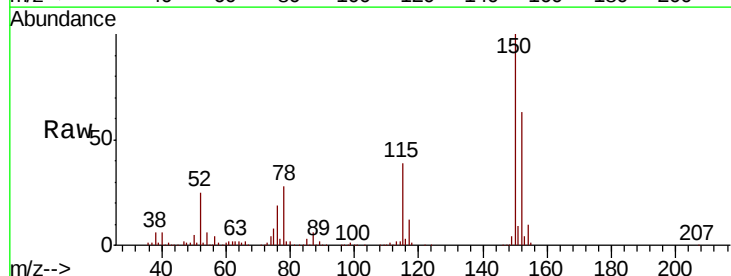
Tgt Ion:152 Resp: 137868

Ion Ratio Lower Upper

152 100

115 60.4 29.5 88.5

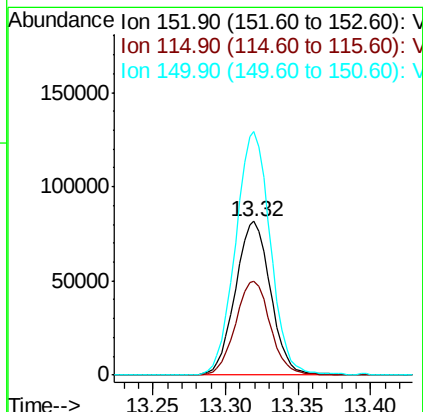
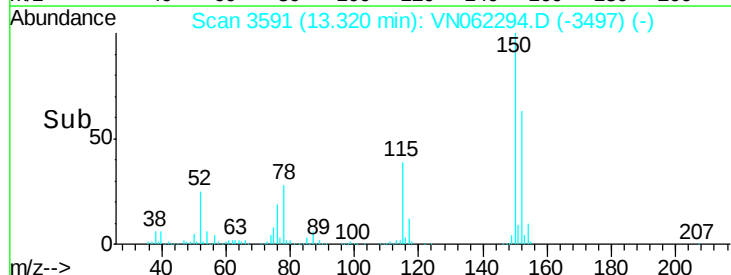
150 157.1 0.0 351.4

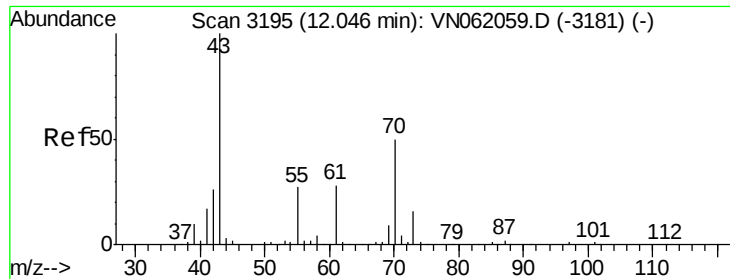


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 3.430 ug/l

RT: 12.06 min Scan# 3198

Delta R.T. 0.01 min

Lab File: VN062294.D

Acq: 1 Jul 2020 16:06

Instrument :

MSVOA_N

ClientSampleId :

BP-MW180-TB-20200625

Tot Ion: 43 Resp: 364

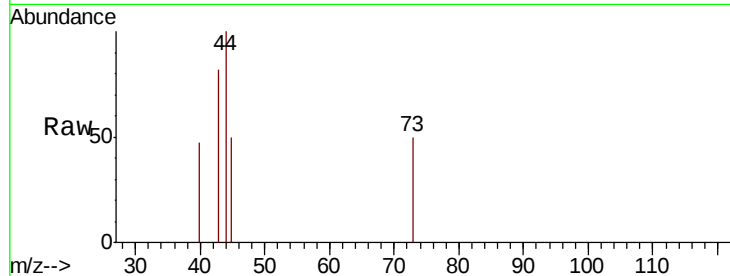
Ion Ratio Lower Upper

43 100

70 0.0 39.4 59.2#

55 0.0 21.7 32.5#

61 0.0 21.3 31.9#

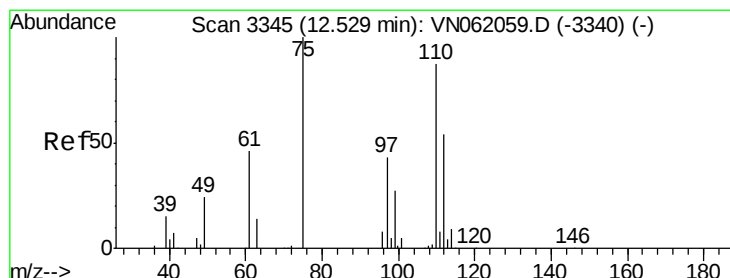
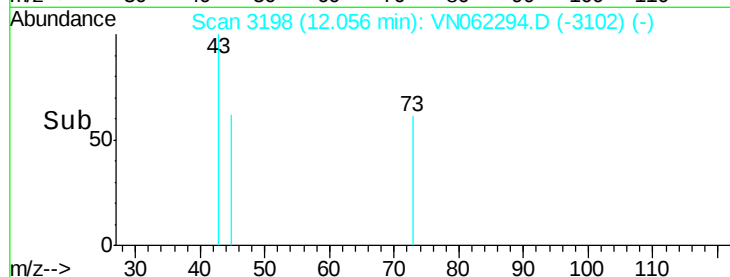
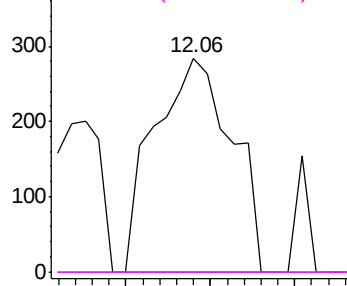


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 26.348 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062294.D

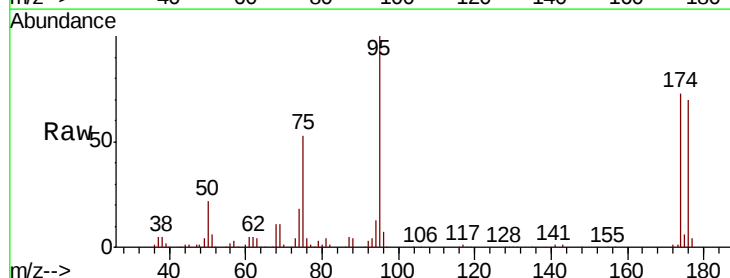
Acq: 1 Jul 2020 16:06

Tgt Ion: 75 Resp: 85514

Ion Ratio Lower Upper

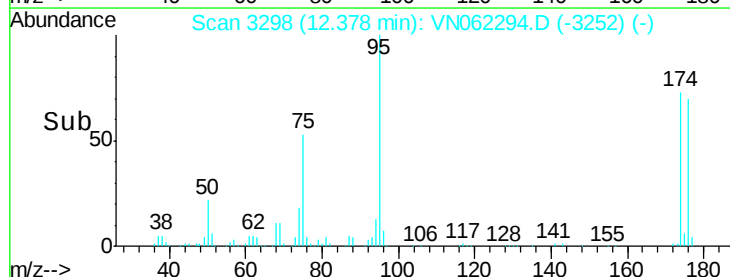
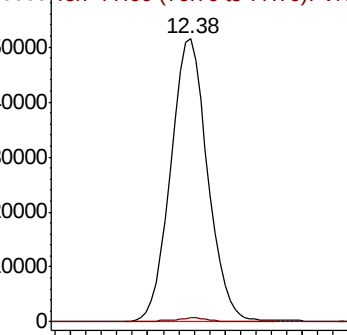
75 100

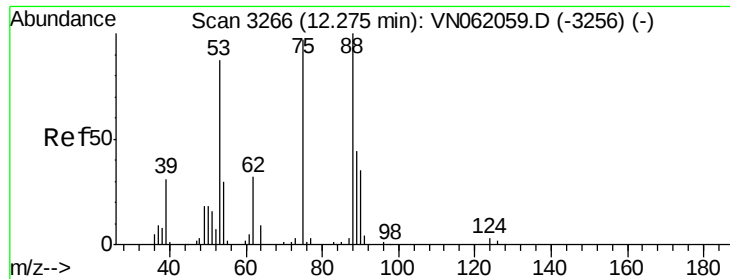
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 76.947 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062294.D

Acq: 1 Jul 2020 16:06

Instrument :

MSVOA_N

ClientSampleId :

BP-MW180-TB-20200625

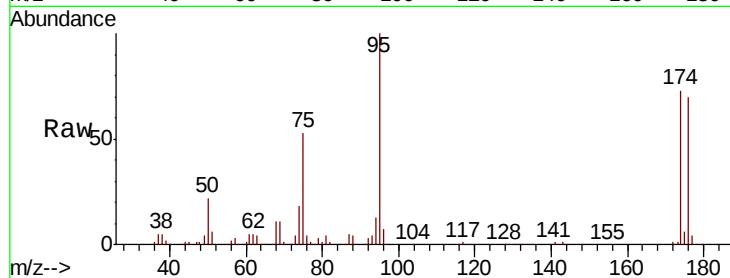
Tot Ion: 75 Resp: 85514

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

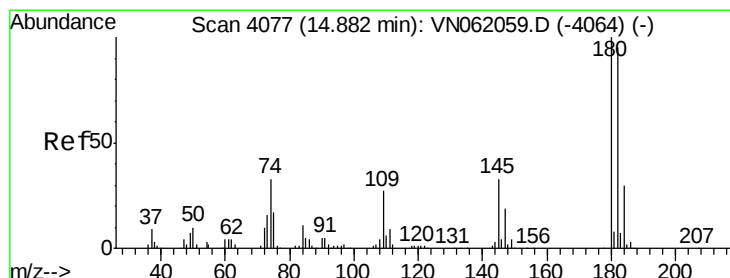
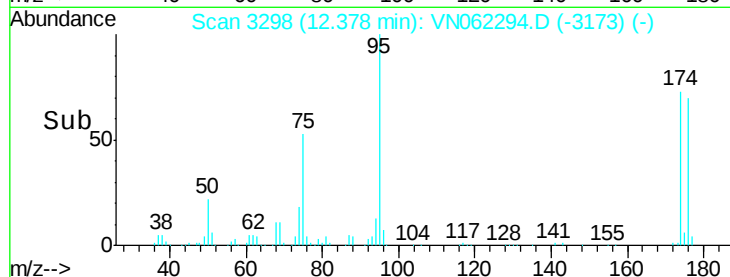
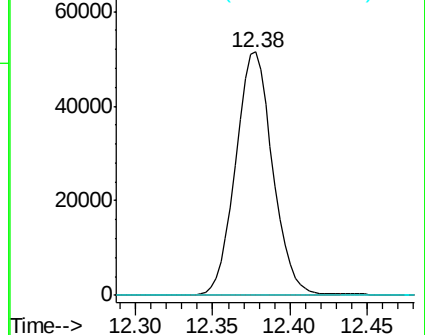
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN062294.D (-3173) (-)

Ion 53.00 (52.70 to 53.70): VN062294.D (-3173) (-)

Ion 88.90 (88.60 to 89.60): VN062294.D (-3173) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.336 ug/l

RT: 14.89 min Scan# 4079

Delta R.T. 0.01 min

Lab File: VN062294.D

Acq: 1 Jul 2020 16:06

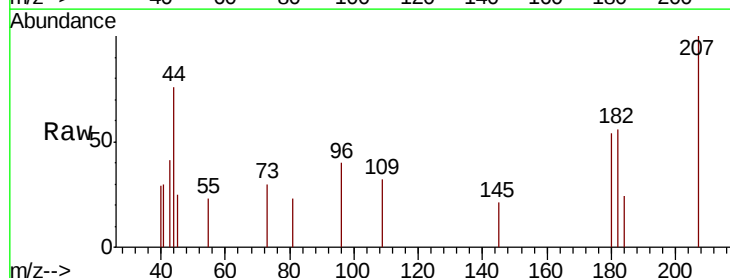
Tgt Ion: 180 Resp: 662

Ion Ratio Lower Upper

180 100

182 73.9 48.0 144.2

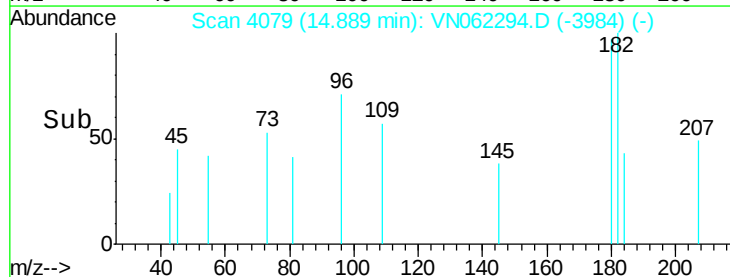
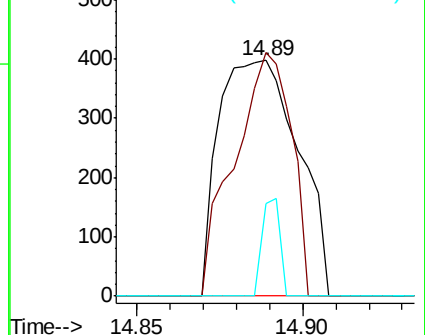
145 9.4 16.0 48.0#

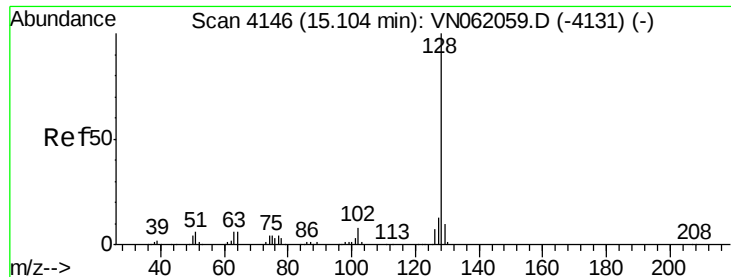


Abundance Ion 179.80 (179.50 to 180.50): VN062294.D (-3984) (-)

Ion 181.80 (181.50 to 182.50): VN062294.D (-3984) (-)

Ion 144.80 (144.50 to 145.50): VN062294.D (-3984) (-)

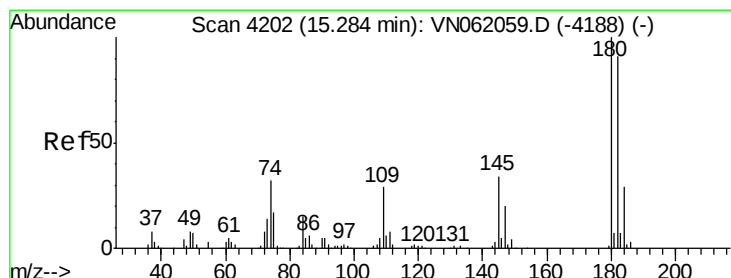
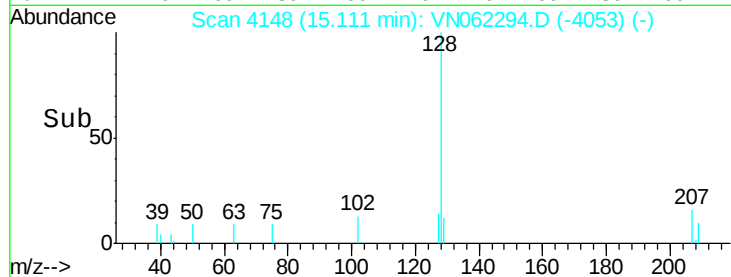
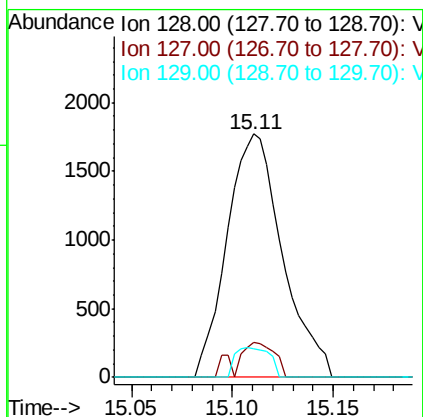
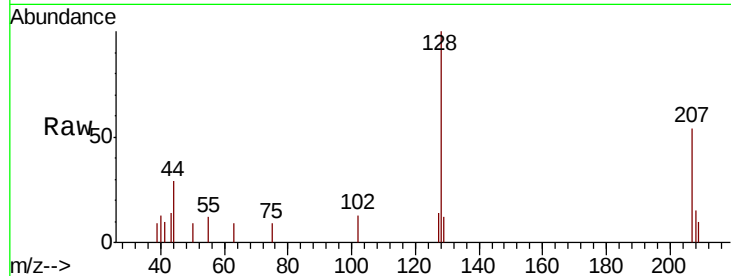




#95
Naphthalene
Concen: 4.471 ug/l
RT: 15.11 min Scan# 4148
Delta R.T. 0.01 min
Lab File: VN062294.D
Acq: 1 Jul 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
BP-MW180-TB-20200625

Tot Ion:128 Resp: 3397
Ion Ratio Lower Upper
128 100
127 8.2 10.5 15.7#
129 7.6 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.494 ug/l
RT: 15.29 min Scan# 4203
Delta R.T. 0.00 min
Lab File: VN062294.D
Acq: 1 Jul 2020 16:06

Tgt Ion:180 Resp: 996
Ion Ratio Lower Upper
180 100
182 76.3 46.8 140.4
145 9.5 16.4 49.2#

