

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070120\
 Data File : VN062301.D
 Acq On : 1 Jul 2020 18:55
 Operator : JC/MD
 Sample : L3192-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Jul 02 06:56:13 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	179417	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	352271	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	335344	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	109780	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	143569	57.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.04%	
35) Dibromofluoromethane	7.55	113	113700	50.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.62%	
50) Toluene-d8	10.06	98	450287	49.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.68%	
62) 4-Bromofluorobenzene	12.38	95	136652	44.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.54%	

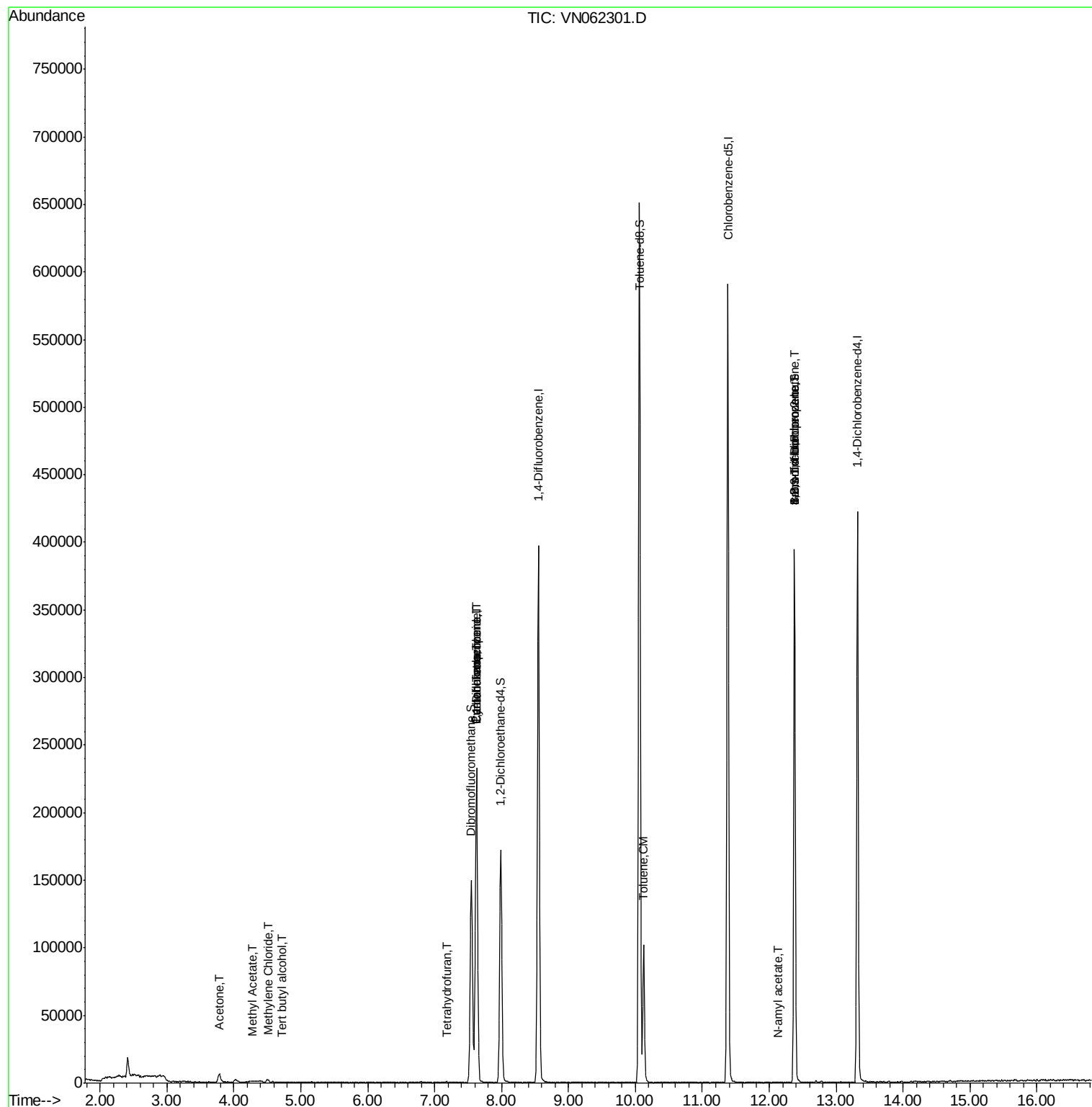
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	646	Below Cal	#	85
11) Tert butyl alcohol	4.73	59	133	0.368	ug/l #	72
16) Acetone	3.78	43	11196	10.282	ug/l	97
18) Methyl Acetate	4.28	43	723	0.361	ug/l #	46
20) Methylene Chloride	4.51	84	1796	0.563	ug/l #	85
29) Tetrahydrofuran	7.18	42	545	0.676	ug/l #	40
31) Cyclohexane	7.63	56	4784	1.375	ug/l #	19
36) 1,1-Dichloropropene	7.63	75	16282	4.598	ug/l #	45
38) Carbon Tetrachloride	7.63	117	18210	5.455	ug/l #	16
52) Toluene	10.12	92	44393	6.742	ug/l	98
71) Bromoform	12.38	173	1365	0.754	ug/l #	1
74) N-amyl acetate	12.14	43	123	3.380	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	72667	28.119	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	72667	82.117	ug/l #	13

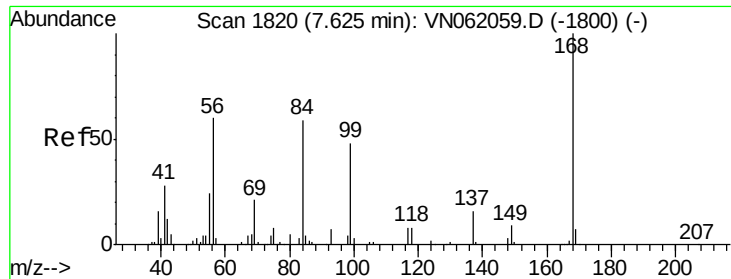
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN070120\
Data File : VN062301.D
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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: VN062301.D

Acq: 1 Jul 2020 18:55

Instrument :

MSVOA_N

ClientSampleId :

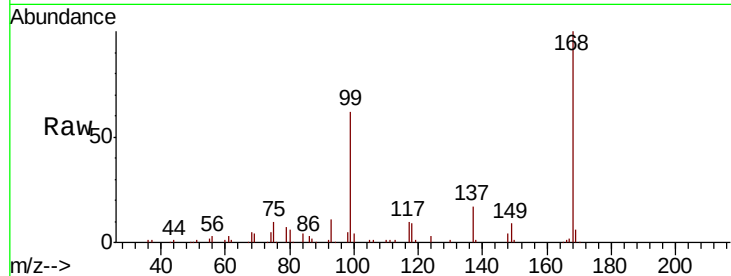
BP-MW180-EB-20200630

Tot Ion:168 Resp: 179417

Ion Ratio Lower Upper

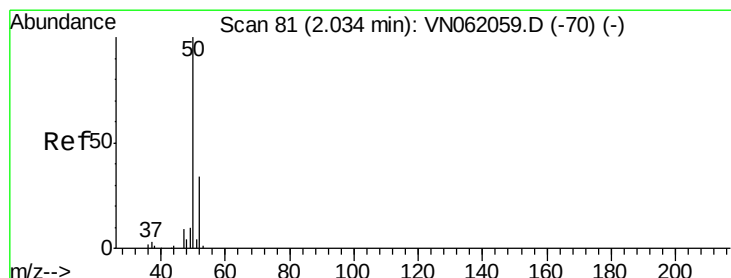
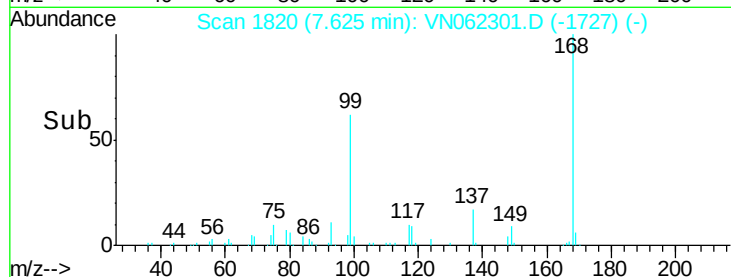
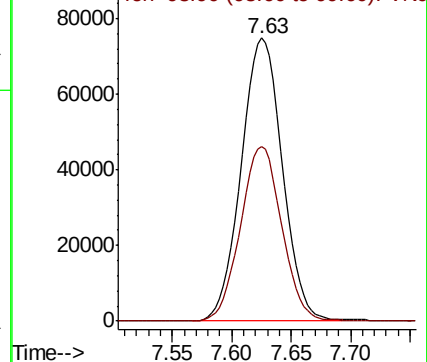
168 100

99 61.6 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN062301.D

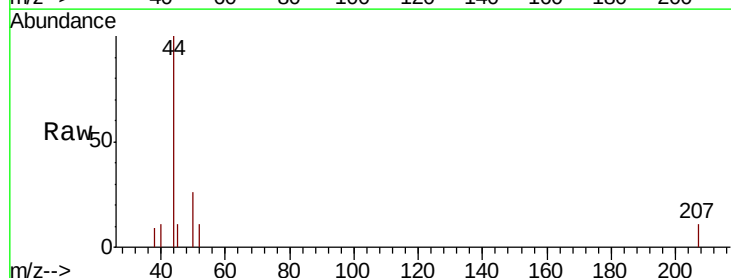
Acq: 1 Jul 2020 18:55

Tgt Ion: 50 Resp: 646

Ion Ratio Lower Upper

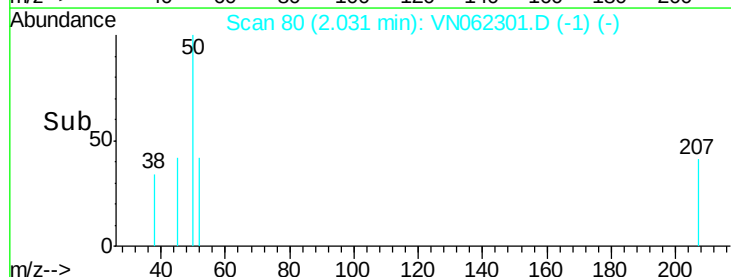
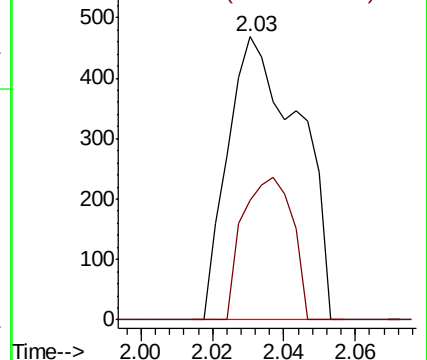
50 100

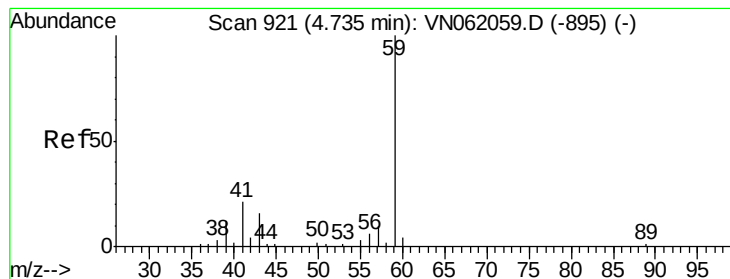
52 42.1 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



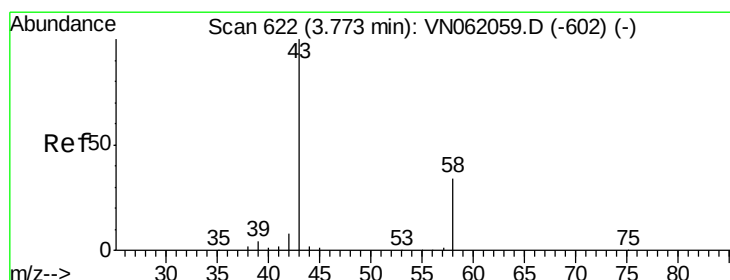
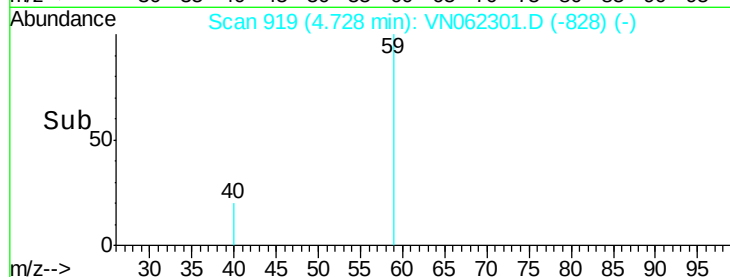
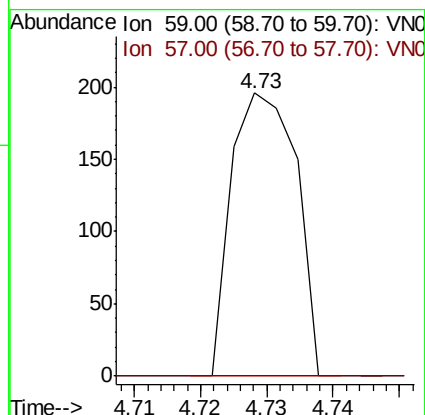
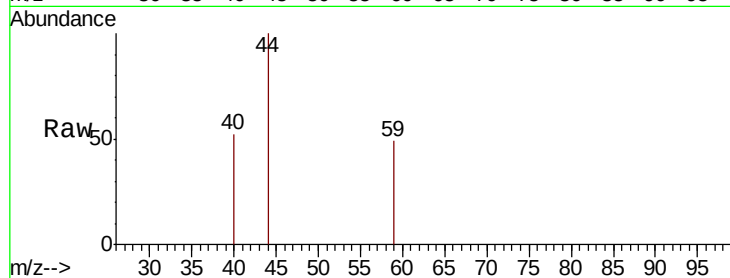


#11

Tert butyl alcohol
 Concen: 0.368 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VN062301.D
 Acq: 1 Jul 2020 18:55

Instrument :
 MSVOA_N
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 BP-MW180-EB-20200630

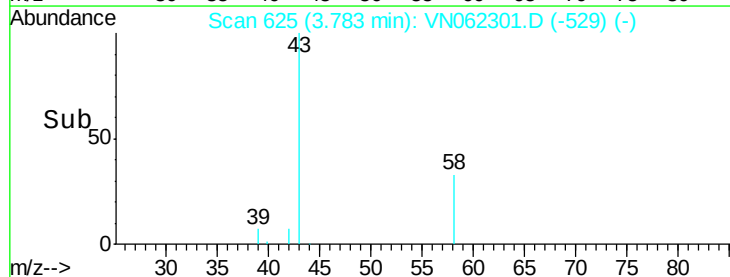
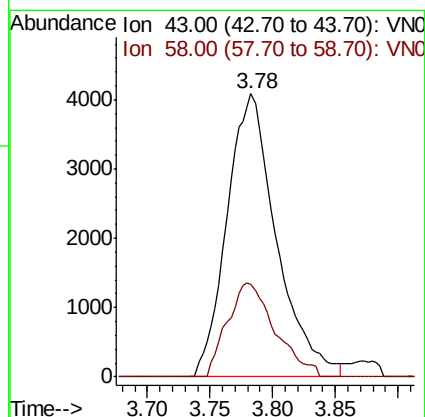
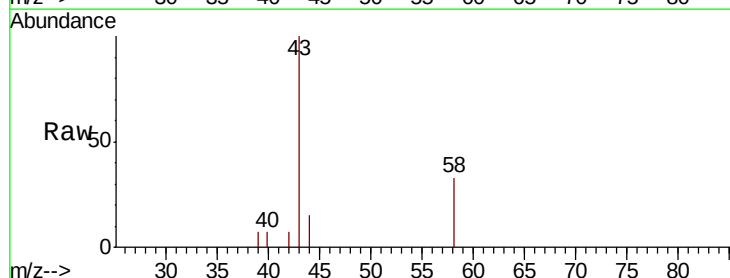
Tot Ion: 59 Resp: 133
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

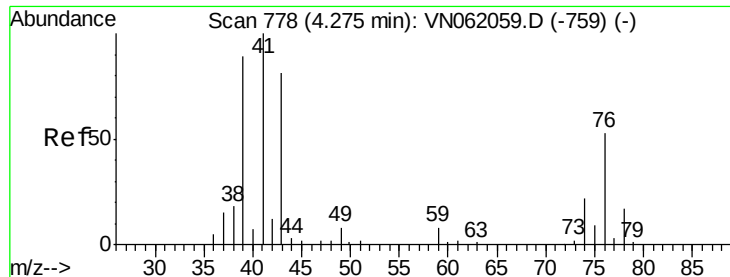


#16

Acetone
 Concen: 10.282 ug/l
 RT: 3.78 min Scan# 625
 Delta R.T. 0.01 min
 Lab File: VN062301.D
 Acq: 1 Jul 2020 18:55

Tgt Ion: 43 Resp: 11196
 Ion Ratio Lower Upper
 43 100
 58 32.9 27.5 41.3

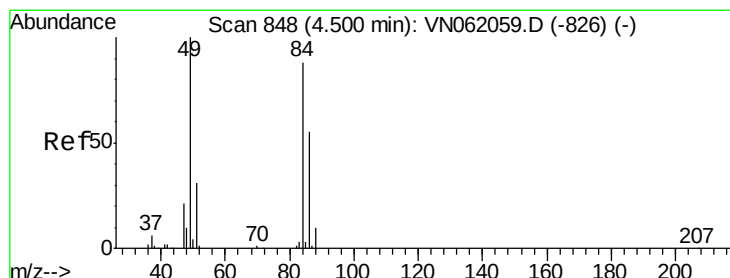
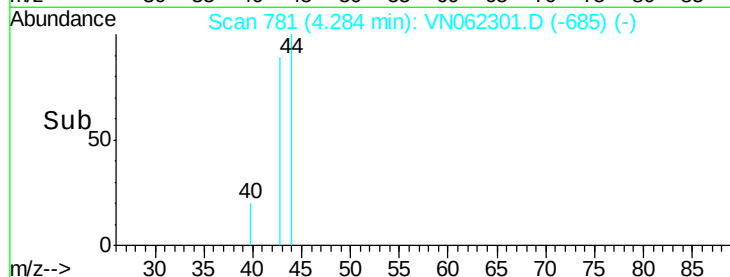
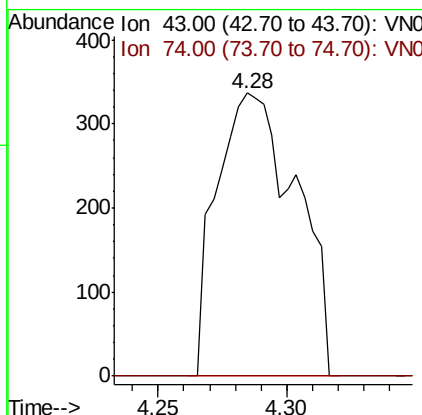
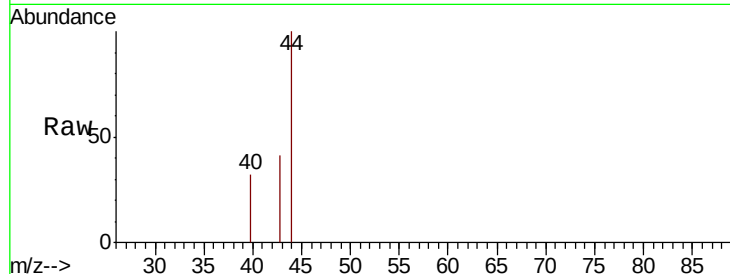




#18
Methyl Acetate
Concen: 0.361 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.01 min
Lab File: VN062301.D
Acq: 1 Jul 2020 18:55

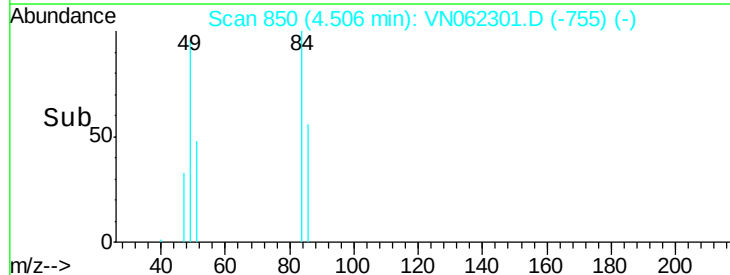
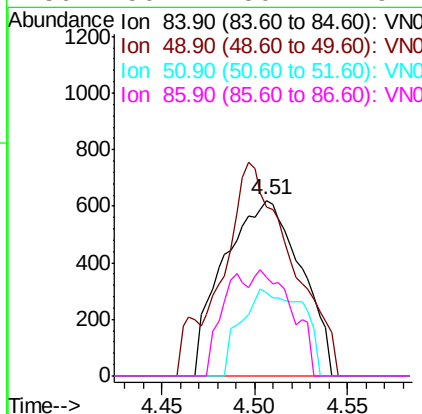
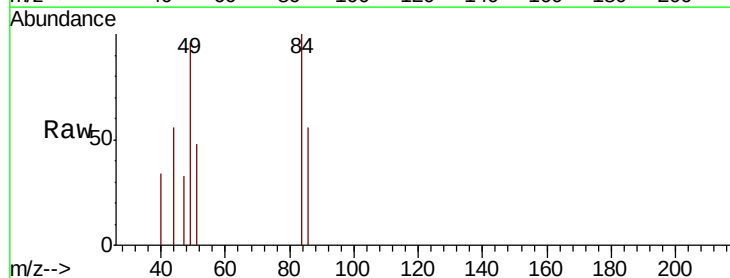
Instrument :
MSVOA_N
ClientSampleId :
BP-MW180-EB-20200630

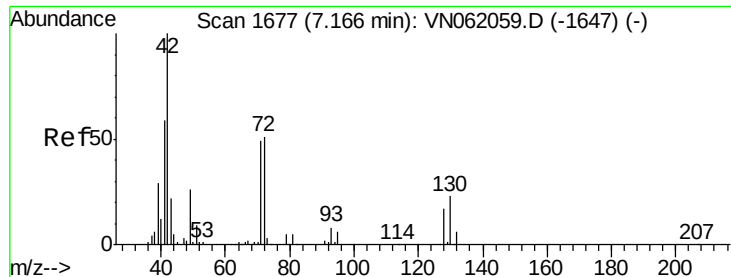
Tot Ion: 43 Resp: 723
Ion Ratio Lower Upper
43 100
74 0.0 22.9 34.3#



#20
Methylene Chloride
Concen: 0.563 ug/l
RT: 4.51 min Scan# 850
Delta R.T. 0.01 min
Lab File: VN062301.D
Acq: 1 Jul 2020 18:55

Tgt Ion: 84 Resp: 1796
Ion Ratio Lower Upper
84 100
49 96.1 90.6 136.0
51 47.7 27.8 41.8#
86 56.4 50.1 75.1

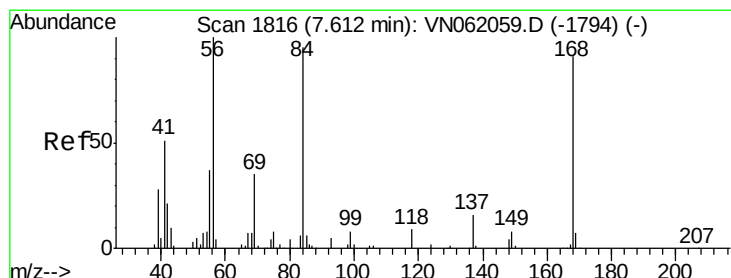
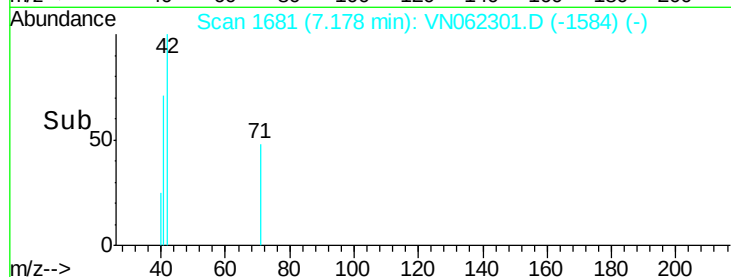
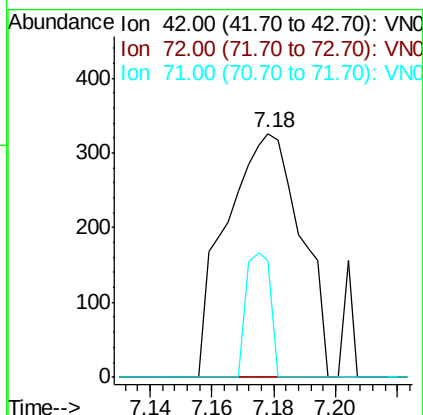
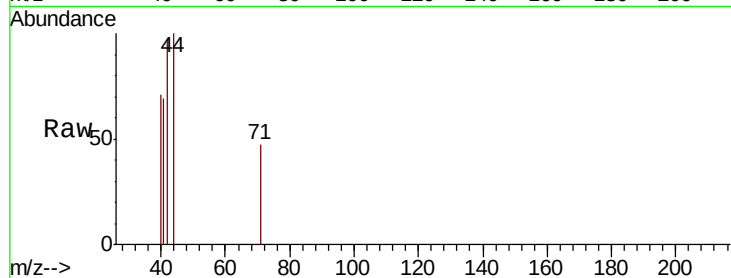




#29
Tetrahydrofuran
Concen: 0.676 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN062301.D
Acq: 1 Jul 2020 18:55

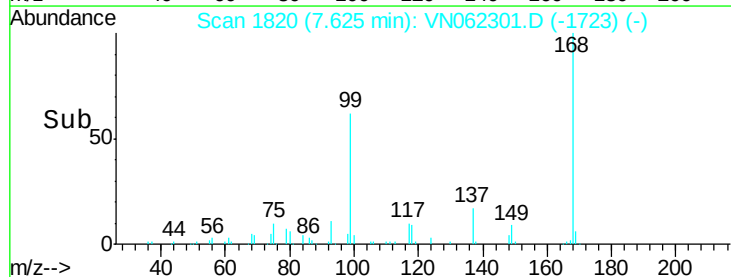
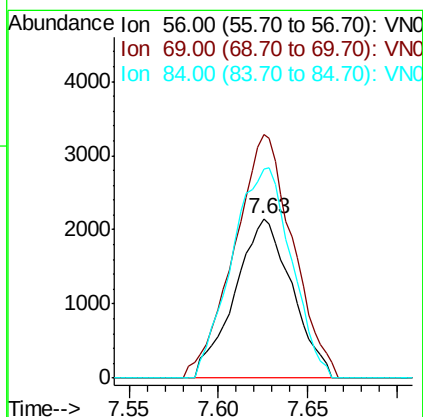
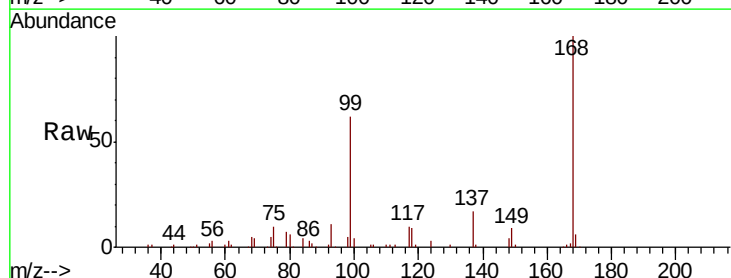
Instrument :
MSVOA_N
ClientSampleId :
BP-MW180-EB-20200630

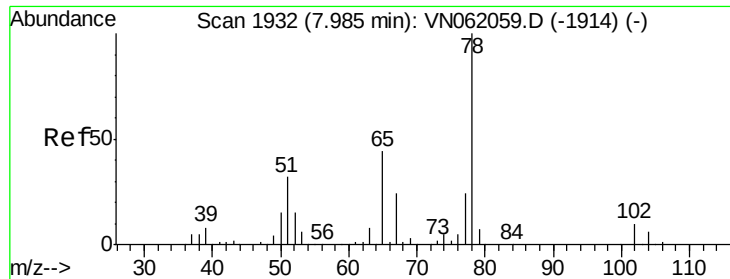
Tot Ion: 42 Resp: 545
Ion Ratio Lower Upper
42 100
72 0.0 41.1 61.7#
71 16.9 38.2 57.4#



#31
Cyclohexane
Concen: 1.375 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN062301.D
Acq: 1 Jul 2020 18:55

Tgt Ion: 56 Resp: 4784
Ion Ratio Lower Upper
56 100
69 152.8 28.0 42.0#
84 130.8 76.1 114.1#

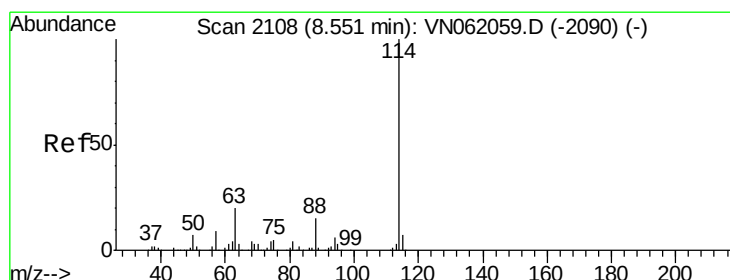
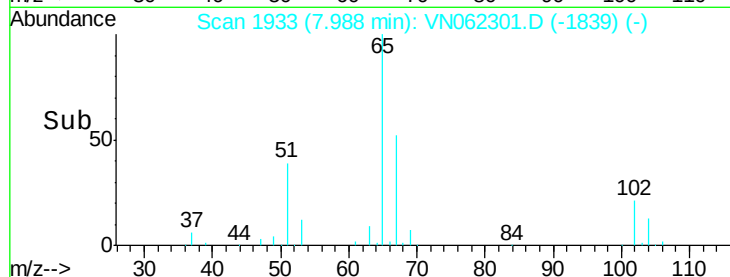
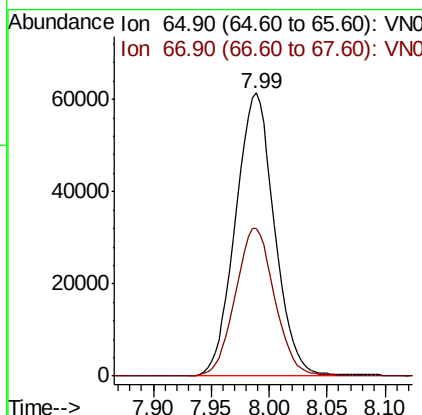
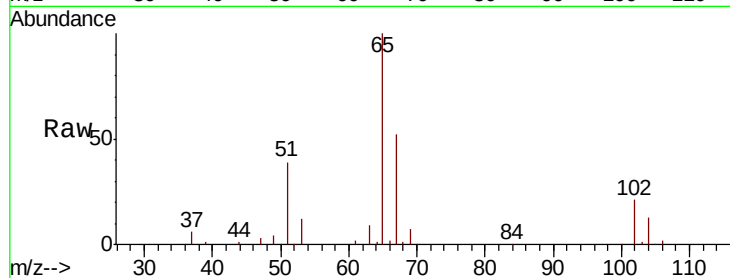




#33
 1,2-Dichloroethane-d4
 Concen: 57.021 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062301.D
 Acq: 1 Jul 2020 18:55

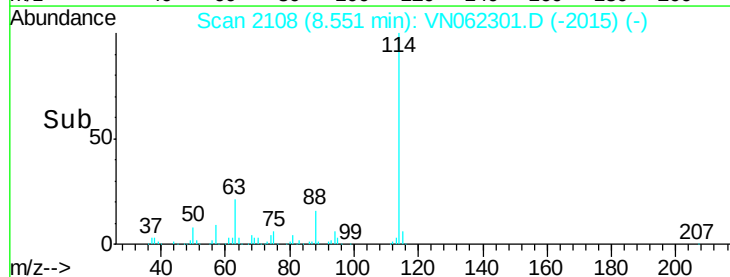
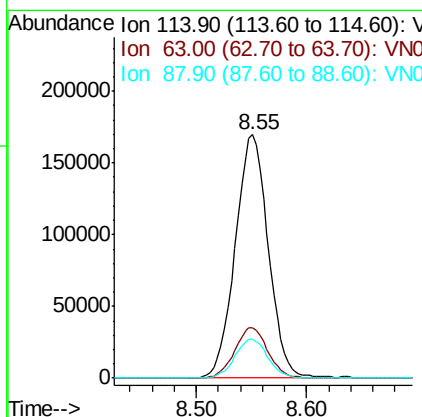
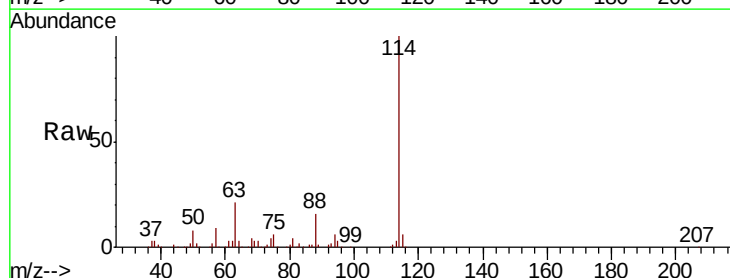
Instrument :
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 ClientSampleId :
 BP-MW180-EB-20200630

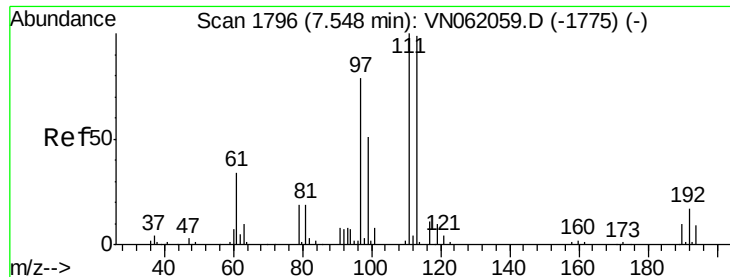
Tot Ion: 65 Resp: 143569
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062301.D
 Acq: 1 Jul 2020 18:55

Tgt Ion: 114 Resp: 352271
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 39.2
 88 15.8 0.0 30.8

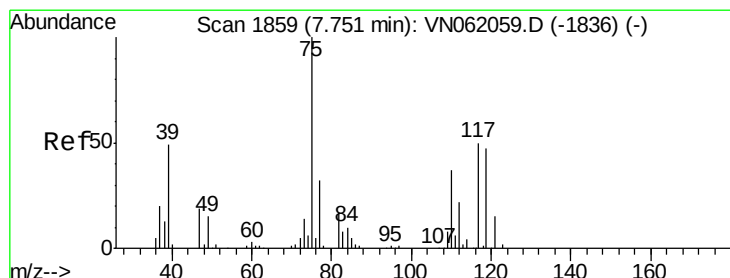
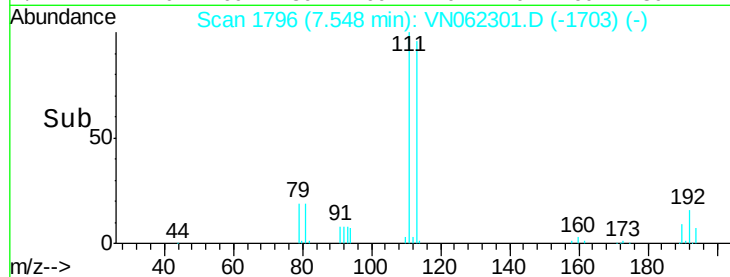
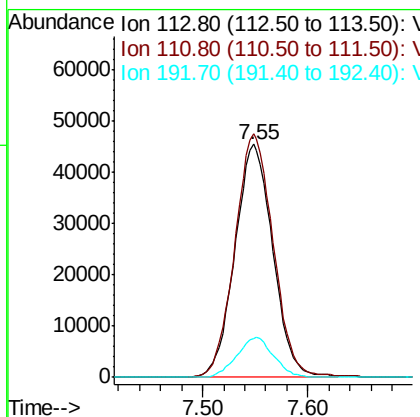
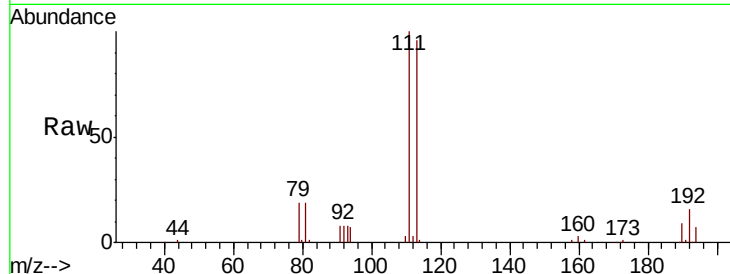




#35
 Dibromofluoromethane
 Concen: 50.310 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062301.D
 Acq: 1 Jul 2020 18:55

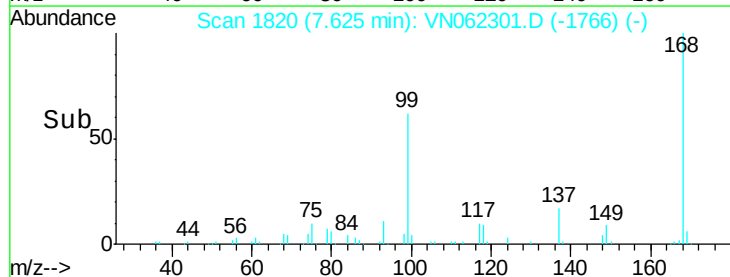
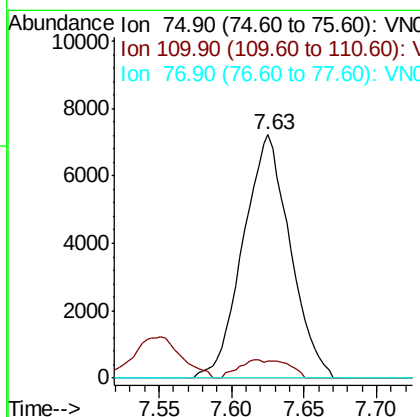
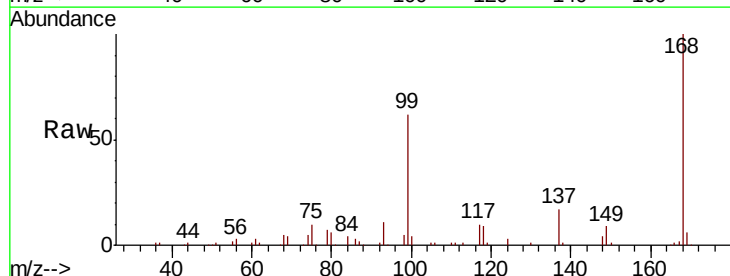
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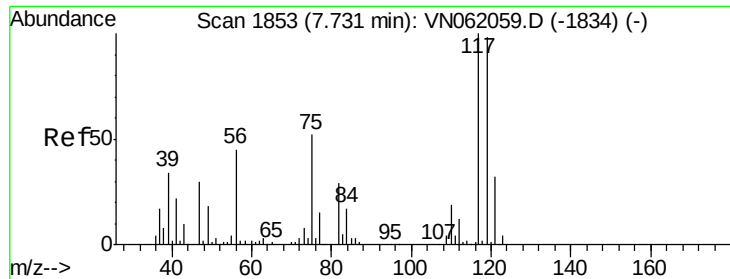
Tot Ion	Ratio	Lower	Upper
113	100		
111	105.2	82.2	123.4
192	16.5	14.0	21.0



#36
 1,1-Dichloropropene
 Concen: 4.598 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062301.D
 Acq: 1 Jul 2020 18:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	4.0	17.9	53.8#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 5.455 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062301.D

Acq: 1 Jul 2020 18:55

Instrument :

MSVOA_N

ClientSampleId :

BP-MW180-EB-20200630

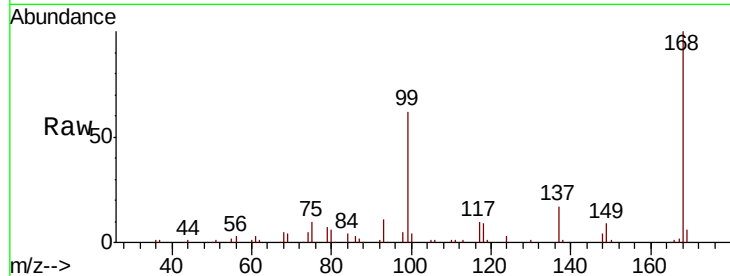
Tot Ion: 117 Resp: 18210

Ion Ratio Lower Upper

117 100

119 6.0 78.2 117.2#

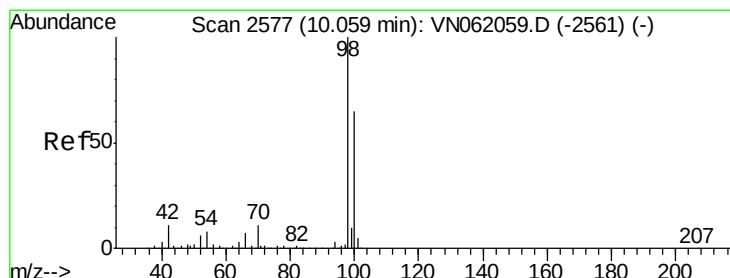
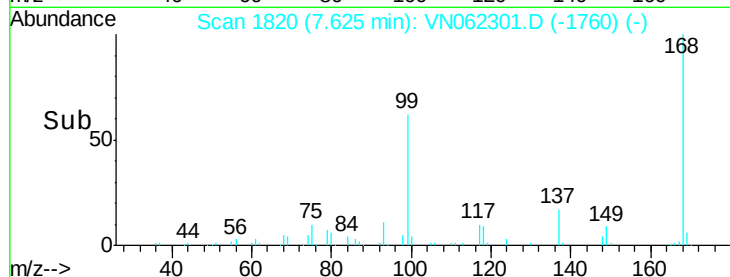
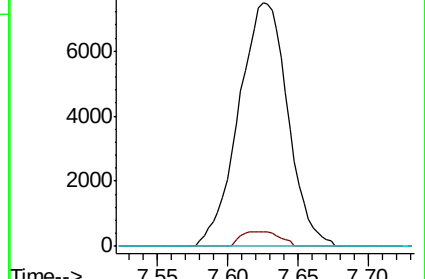
121 0.0 25.8 38.6#



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: 49.844 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062301.D

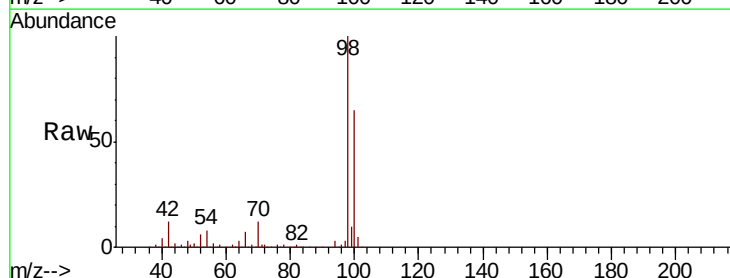
Acq: 1 Jul 2020 18:55

Tgt Ion: 98 Resp: 450287

Ion Ratio Lower Upper

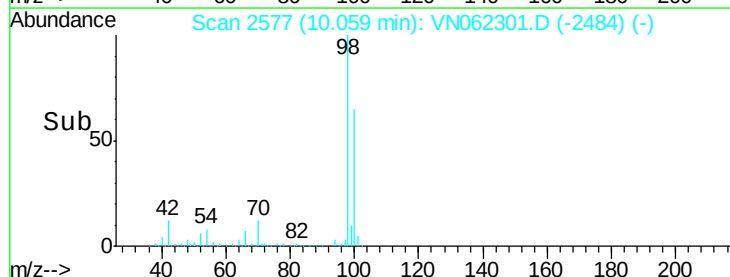
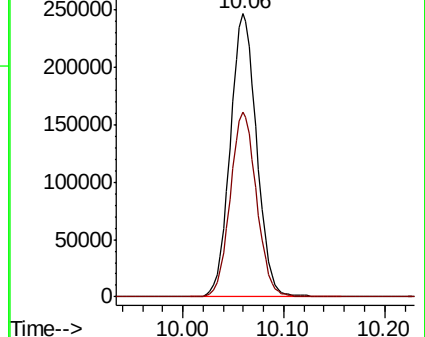
98 100

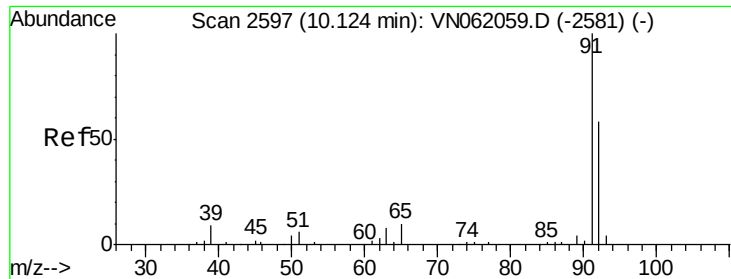
100 65.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#52

Toluene

Concen: 6.742 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062301.D

Acq: 1 Jul 2020 18:55

Instrument :

MSVOA_N

ClientSampleId :

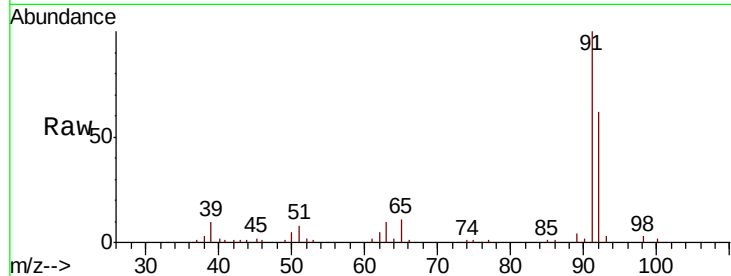
BP-MW180-EB-20200630

Tot Ion: 92 Resp: 44393

Ion Ratio Lower Upper

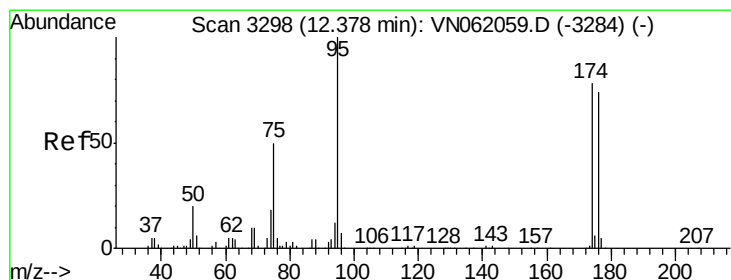
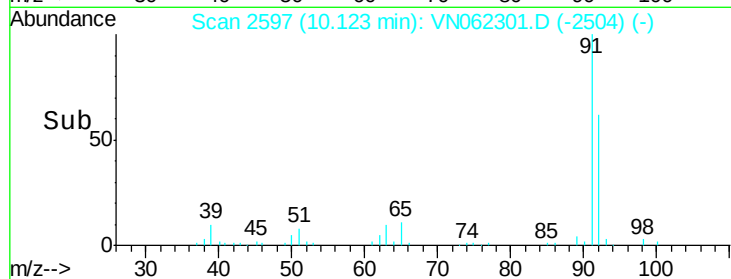
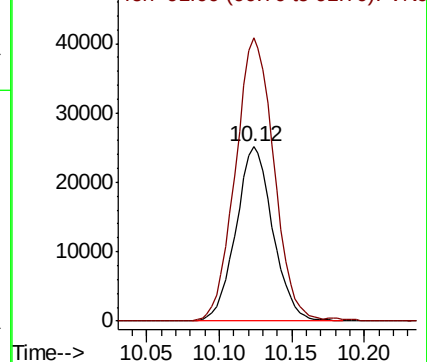
92 100

91 169.6 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#62

4-Bromofluorobenzene

Concen: 44.772 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062301.D

Acq: 1 Jul 2020 18:55

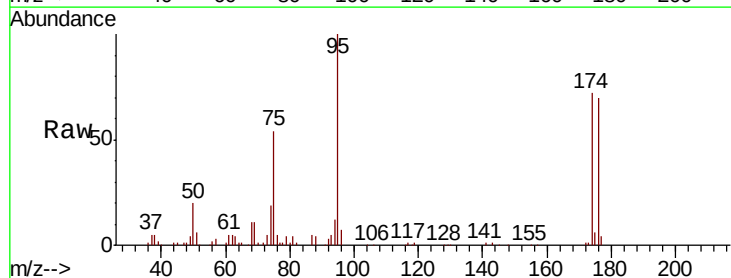
Tgt Ion: 95 Resp: 136652

Ion Ratio Lower Upper

95 100

174 72.1 0.0 154.8

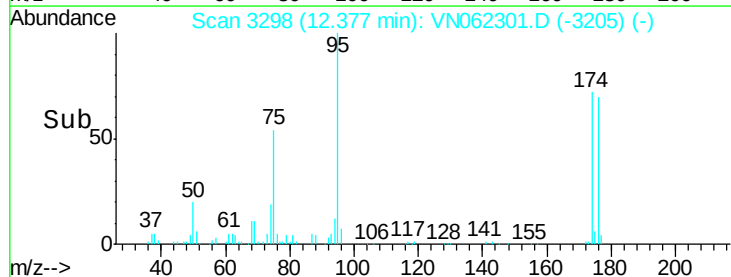
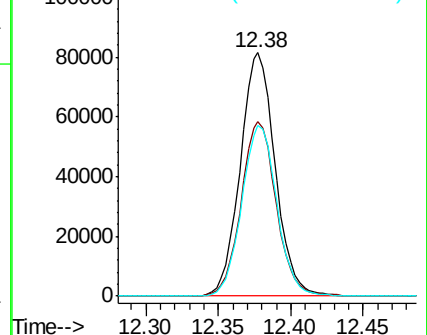
176 70.3 0.0 147.4

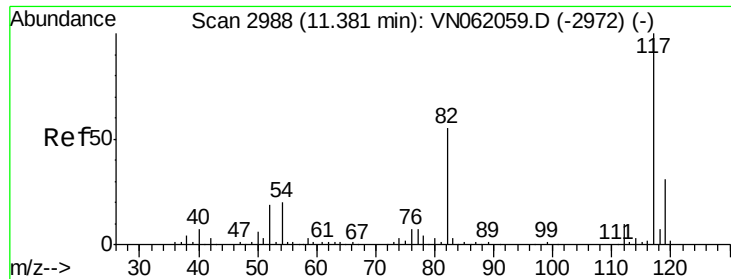


Abundance Ion 94.90 (94.60 to 95.60): VN0

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: VN062301.D

Acq: 1 Jul 2020 18:55

Instrument :

MSVOA_N

ClientSampleId :

BP-MW180-EB-20200630

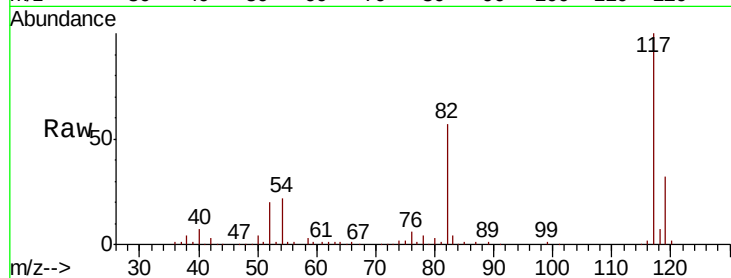
Tot Ion:117 Resp: 335344

Ion Ratio Lower Upper

117 100

82 57.4 43.8 65.8

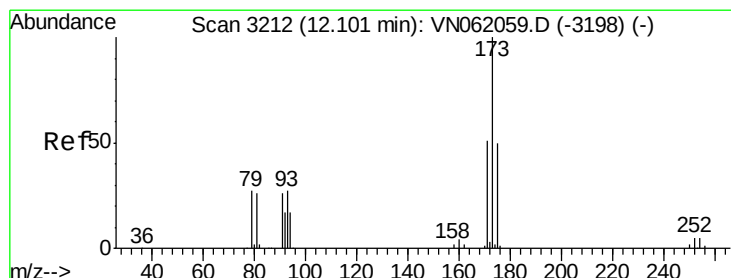
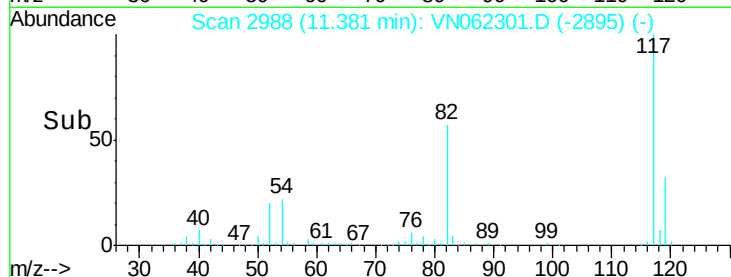
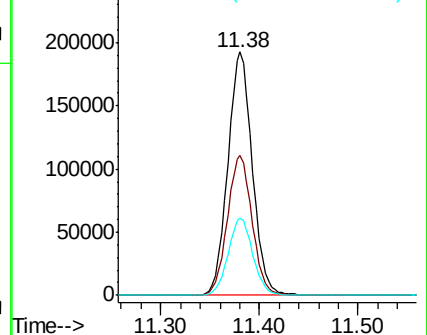
119 31.7 25.2 37.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 0.754 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN062301.D

Acq: 1 Jul 2020 18:55

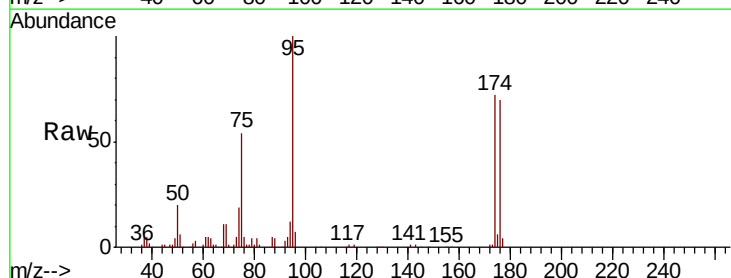
Tgt Ion:173 Resp: 1365

Ion Ratio Lower Upper

173 100

175 469.4 24.7 74.1#

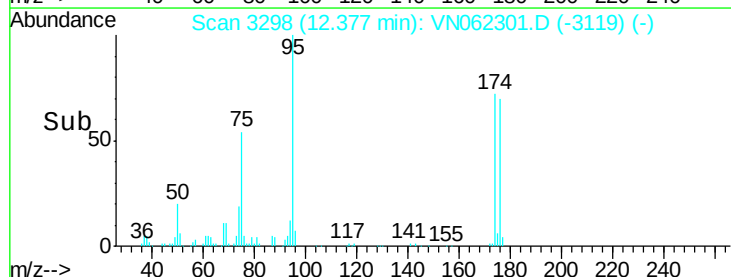
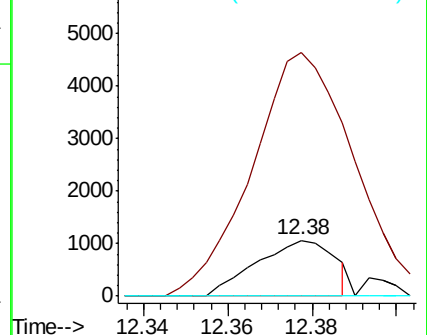
254 0.0 0.0 0.0

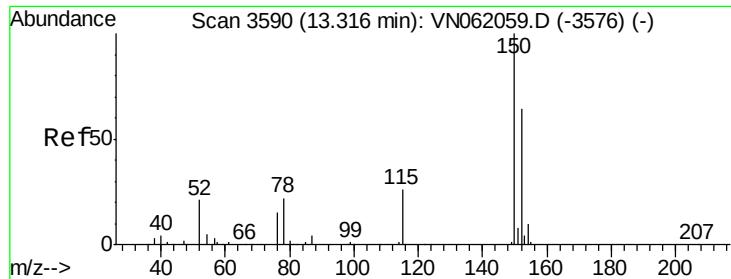


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

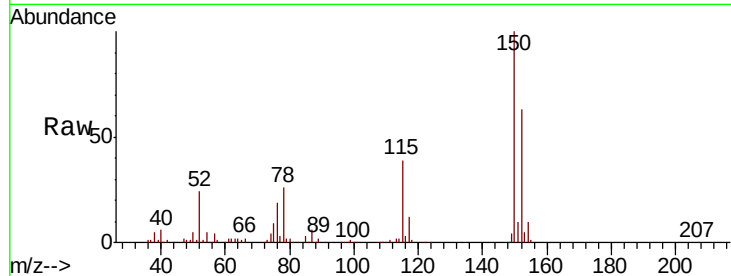




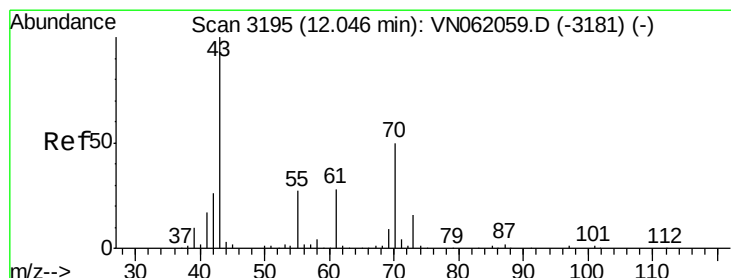
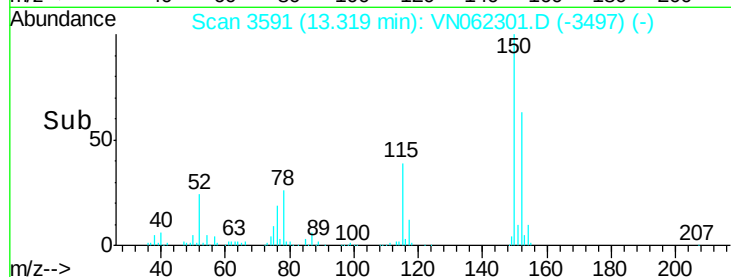
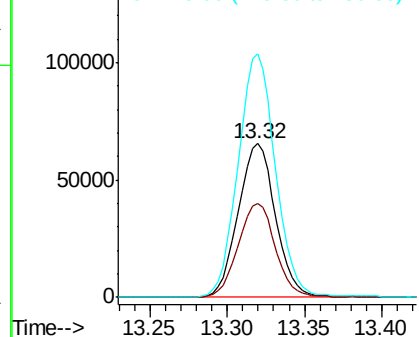
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.32 min Scan# 3591
 Delta R.T. 0.00 min
 Lab File: VN062301.D
 Acq: 1 Jul 2020 18:55

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

Tot Ion:152 Resp: 109780
 Ion Ratio Lower Upper
 152 100
 115 61.1 29.5 88.5
 150 159.0 0.0 351.4

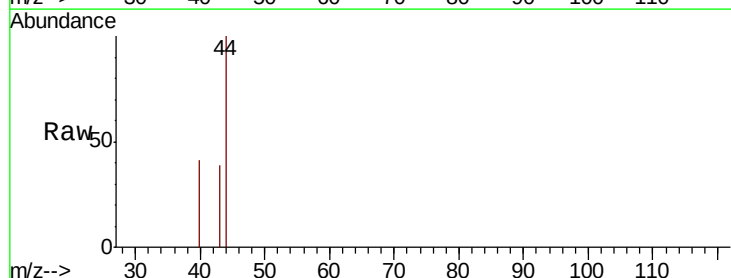


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

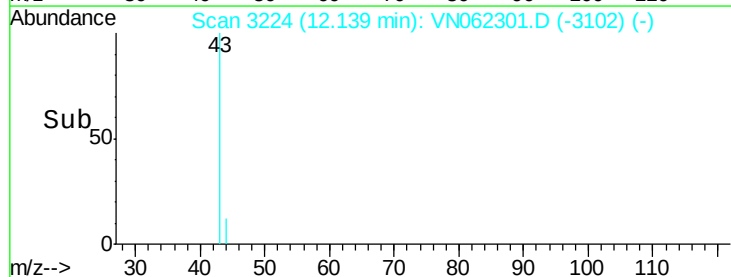
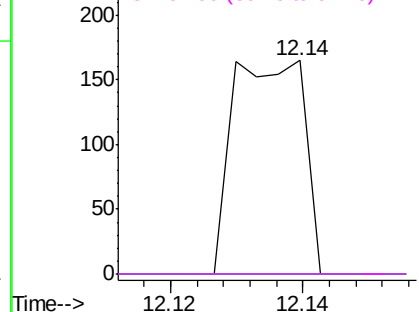


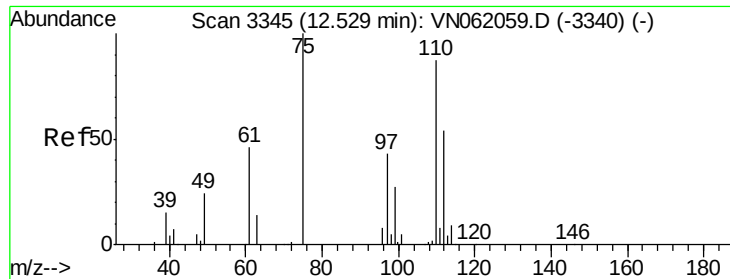
#74
 N-ethyl acetate
 Concen: 3.380 ug/l
 RT: 12.14 min Scan# 3224
 Delta R.T. 0.09 min
 Lab File: VN062301.D
 Acq: 1 Jul 2020 18:55

Tgt Ion: 43 Resp: 123
 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): VN
 Ion 70.00 (69.70 to 70.70): VN
 Ion 55.00 (54.70 to 55.70): VN
 Ion 61.00 (60.70 to 61.70): VN





#76

1,2,3-Trichloropropane

Concen: 28.119 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062301.D

Acq: 1 Jul 2020 18:55

Instrument :

MSVOA_N

ClientSampleId :

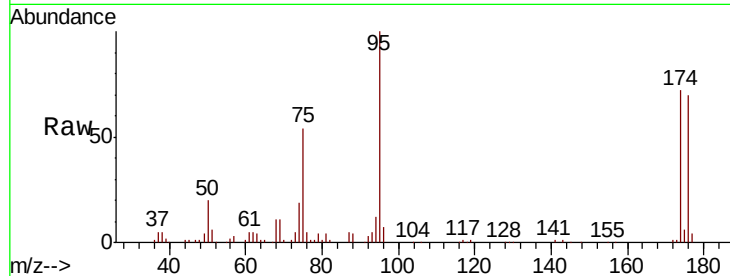
BP-MW180-EB-20200630

Tot Ion: 75 Resp: 72667

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN062301.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN062301.D (-3252) (-)

12.38

40000

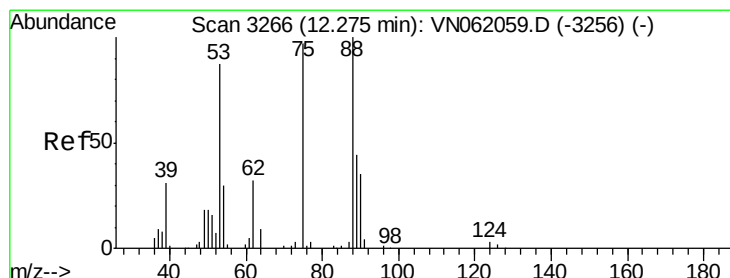
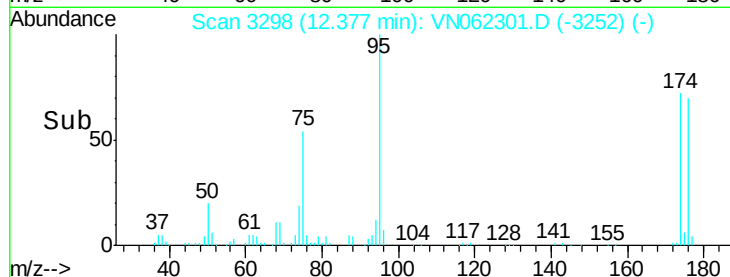
30000

20000

10000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 82.117 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062301.D

Acq: 1 Jul 2020 18:55

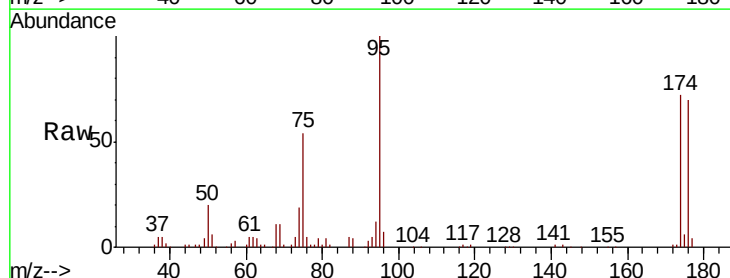
Tgt Ion: 75 Resp: 72667

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): VN062301.D (-3173) (-)

Ion 53.00 (52.70 to 53.70): VN062301.D (-3173) (-)

Ion 88.90 (88.60 to 89.60): VN062301.D (-3173) (-)

12.38

60000

50000

40000

30000

20000

10000

0

Time-->

