

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082120\
 Data File : VN063080.D
 Acq On : 21 Aug 2020 15:03
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Aug 22 01:22:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	153733	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	259923	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	270286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	105512	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	100549	55.19	ug/l	0.00
Spiked Amount			Recovery	=	110.38%	
35) Dibromofluoromethane	7.55	113	87971	51.94	ug/l	0.00
Spiked Amount			Recovery	=	103.88%	
50) Toluene-d8	10.06	98	331818	51.01	ug/l	0.00
Spiked Amount			Recovery	=	102.02%	
62) 4-Bromofluorobenzene	12.38	95	118829	51.76	ug/l	0.00
Spiked Amount			Recovery	=	103.52%	

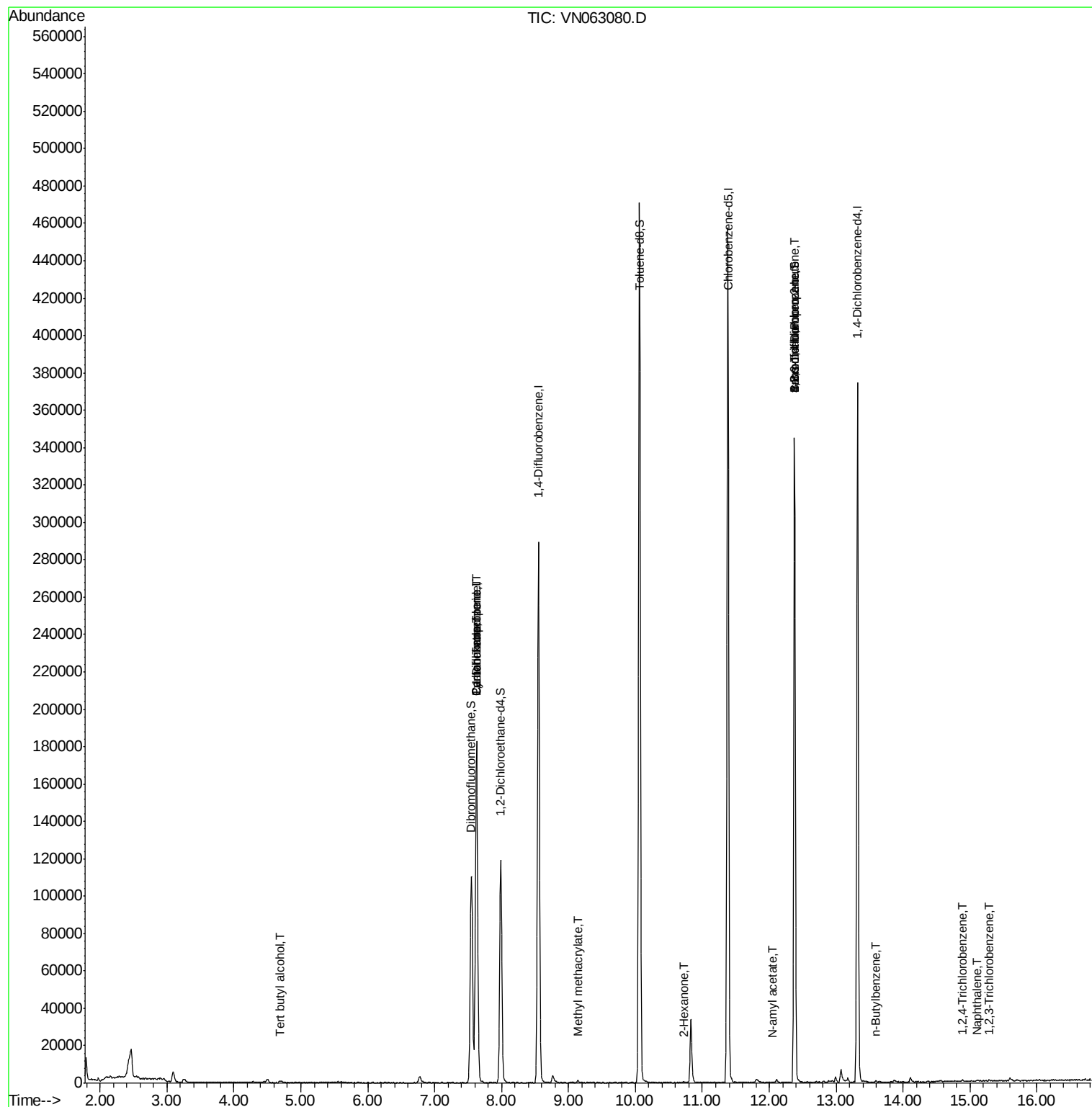
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.69	59	690	2.674	ug/l #	74
16) Acetone	3.79	43	367	Below Cal	#	40
20) Methylene Chloride	4.51	84	1067	Below Cal		92
31) Cyclohexane	7.63	56	2740	1.020	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	11241	4.907	ug/l #	47
38) Carbon Tetrachloride	7.63	117	14398	6.226	ug/l #	18
48) Methyl methacrylate	9.14	41	343	0.204	ug/l #	11
59) 2-Hexanone	10.73	43	465	0.297	ug/l #	23
71) Bromoform	12.38	173	1032	0.614	ug/l #	1
74) N-amyl acetate	12.05	43	549	0.212	ug/l #	43
76) 1,2,3-Trichloropropane	12.38	75	58344	28.448	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	58344	78.130	ug/l #	15
89) n-Butylbenzene	13.59	91	597	2.869	ug/l #	71
93) 1,2,4-Trichlorobenzene	14.89	180	321	4.705	ug/l #	82
95) Naphthalene	15.11	128	668	5.783	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.29	180	384	4.163	ug/l #	77

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN063080.D

Acq: 21 Aug 2020 15:03

Instrument :

MSVOA_N

ClientSampled :

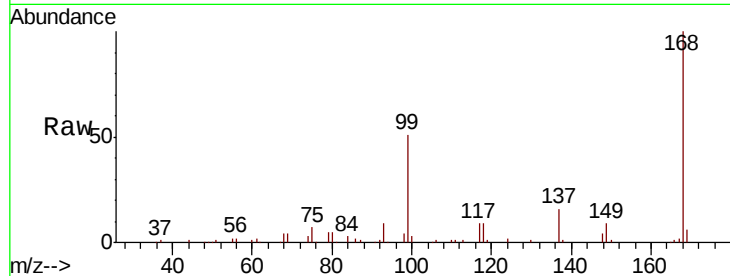
IBLK

Tot Ion:168 Resp: 153733

Ion Ratio Lower Upper

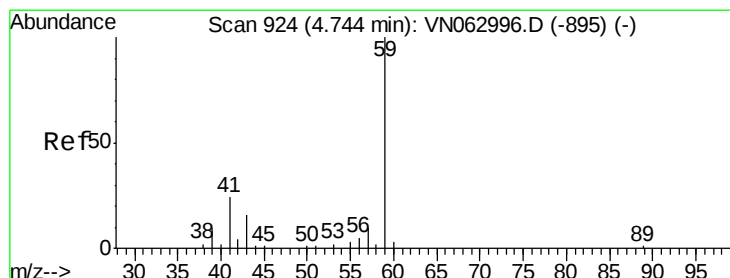
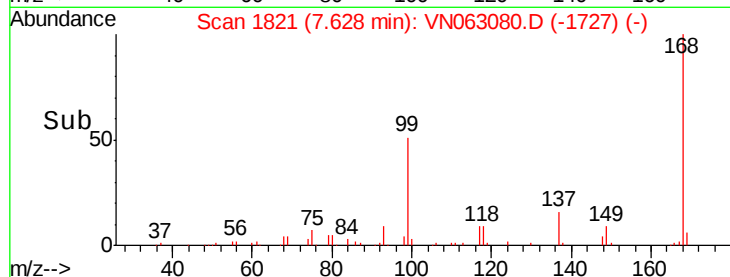
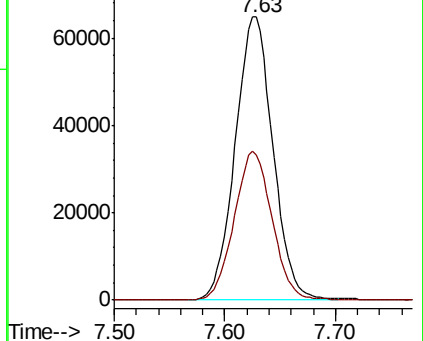
168 100

99 51.4 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#11

Tert butyl alcohol

Concen: 2.674 ug/l

RT: 4.69 min Scan# 908

Delta R.T. -0.05 min

Lab File: VN063080.D

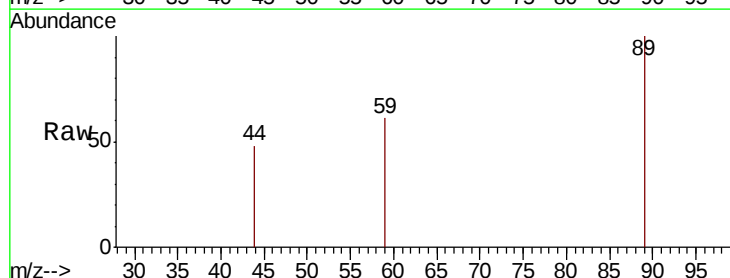
Acq: 21 Aug 2020 15:03

Tgt Ion: 59 Resp: 690

Ion Ratio Lower Upper

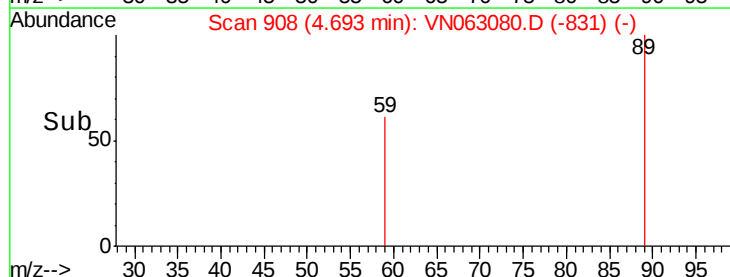
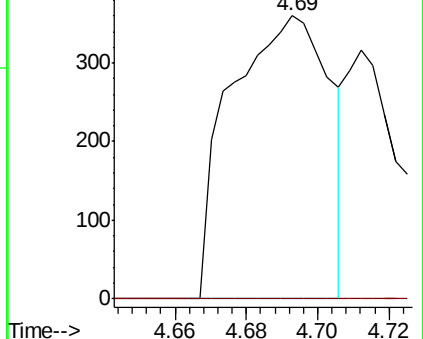
59 100

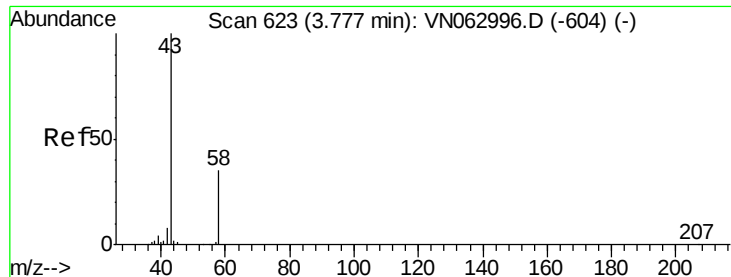
57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN063080.D

Acq: 21 Aug 2020 15:03

Instrument :

MSVOA_N

ClientSampleId :

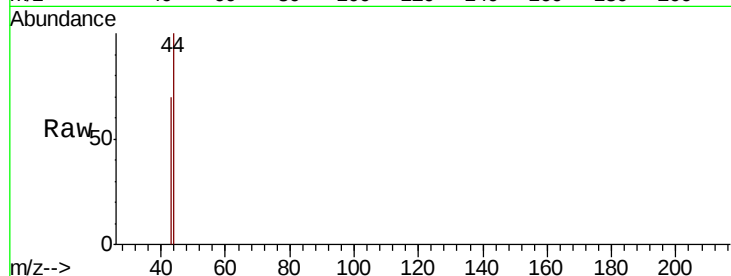
IBLK

Tot Ion: 43 Resp: 367

Ion Ratio Lower Upper

43 100

58 0.0 27.8 41.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.79

250

200

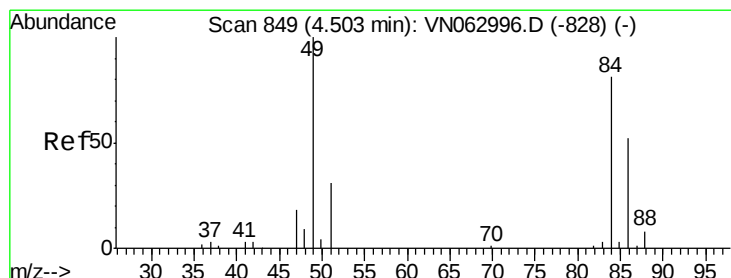
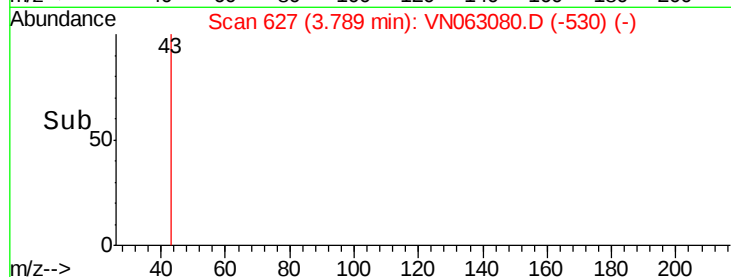
150

100

50

0

Time--> 3.76 3.78 3.80 3.82



#20

Methylene Chloride

Concen: Below Cal

RT: 4.51 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN063080.D

Acq: 21 Aug 2020 15:03

Tgt Ion: 84 Resp: 1067

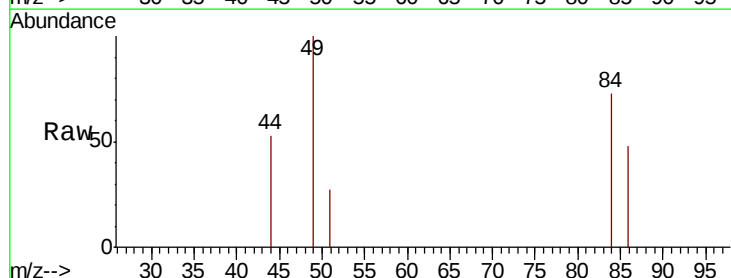
Ion Ratio Lower Upper

84 100

49 137.0 98.7 148.1

51 37.2 30.8 46.2

86 65.8 51.2 76.8



Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

800

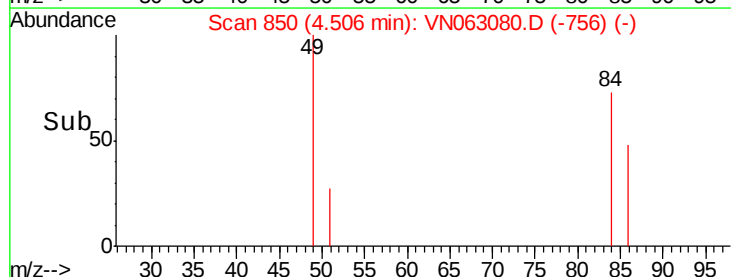
600

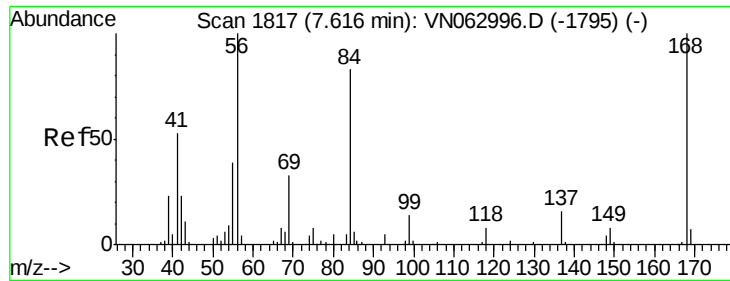
400

200

0

Time--> 4.45 4.50 4.55

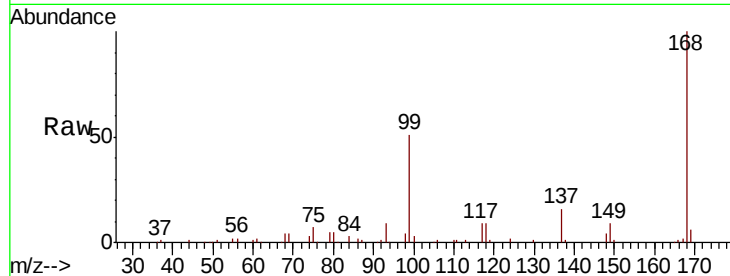




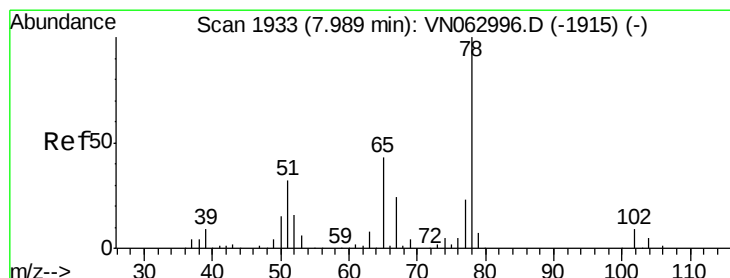
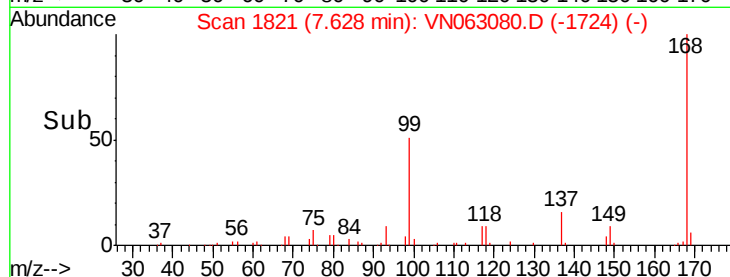
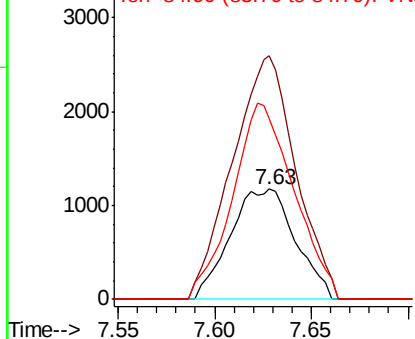
#31
Cyclohexane
Concen: 1.020 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.01 min
Lab File: VN063080.D
Acq: 21 Aug 2020 15:03

Instrument :
MSVOA_N
ClientSampled :
IBLK

Tot Ion: 56 Resp: 2740
Ion Ratio Lower Upper
56 100
69 220.9 26.6 40.0#
84 164.2 66.4 99.6#

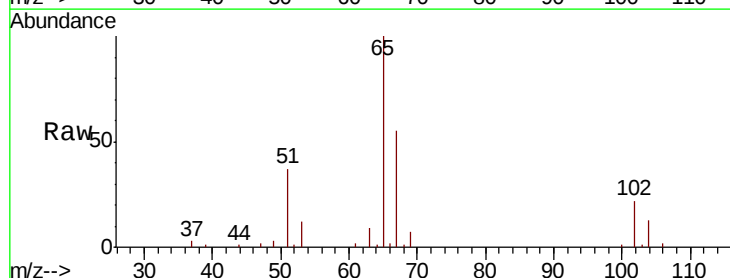


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

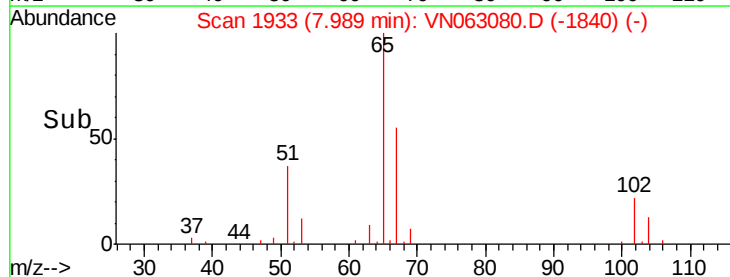
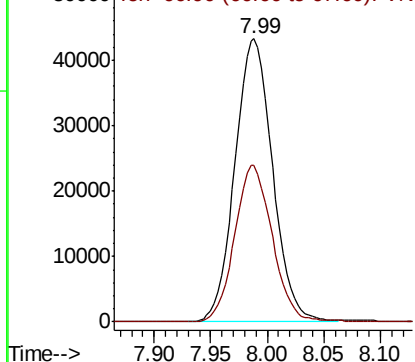


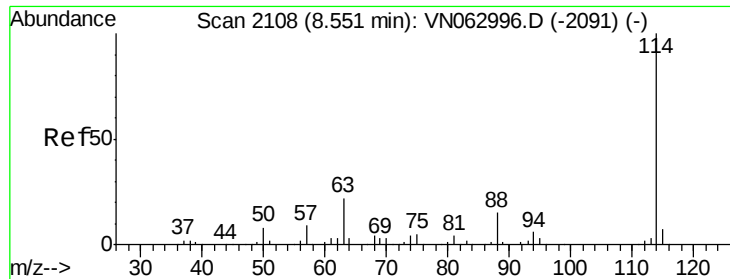
#33
1,2-Dichloroethane-d4
Concen: 55.185 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN063080.D
Acq: 21 Aug 2020 15:03

Tgt Ion: 65 Resp: 100549
Ion Ratio Lower Upper
65 100
67 55.1 0.0 112.0



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

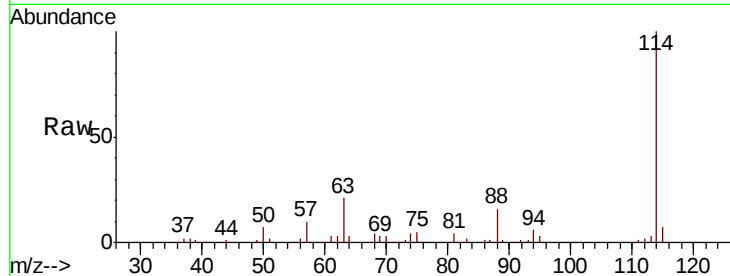




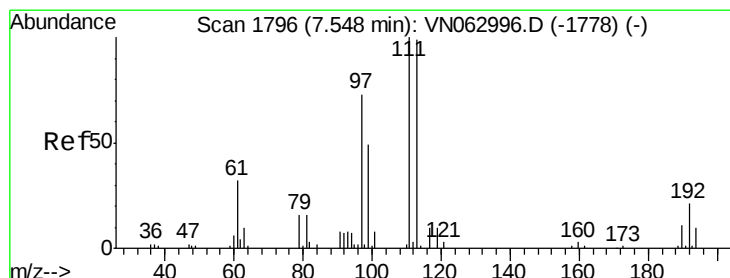
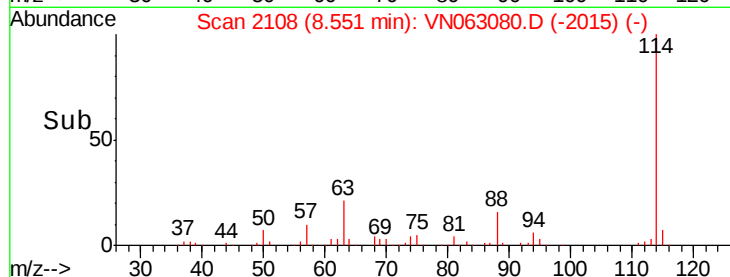
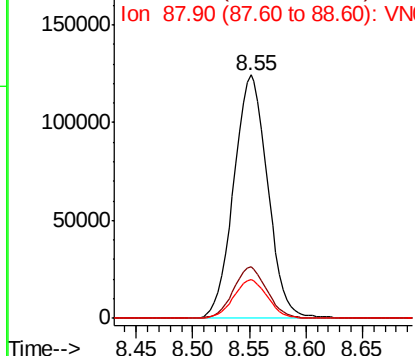
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. -0.00 min
Lab File: VN063080.D
Acq: 21 Aug 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tot Ion:114 Resp: 259923
Ion Ratio Lower Upper
114 100
63 21.2 0.0 43.2
88 15.7 0.0 30.6

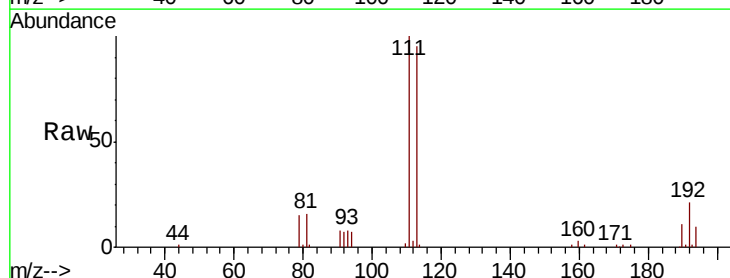


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

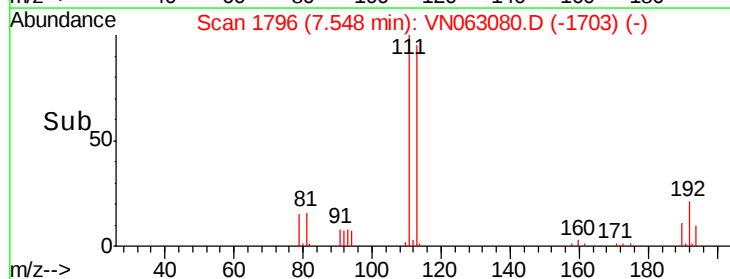
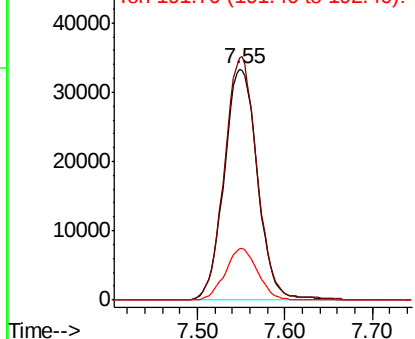


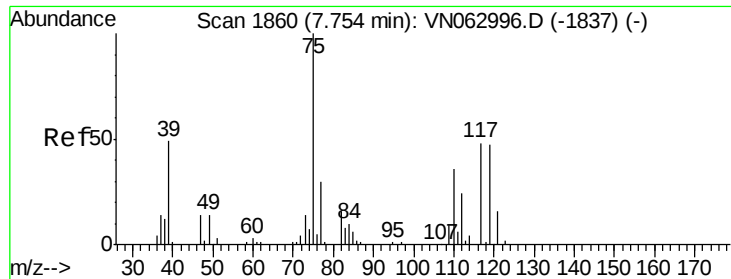
#35
Dibromofluoromethane
Concen: 51.942 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN063080.D
Acq: 21 Aug 2020 15:03

Tgt Ion:113 Resp: 87971
Ion Ratio Lower Upper
113 100
111 102.9 81.7 122.5
192 21.8 17.5 26.3



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

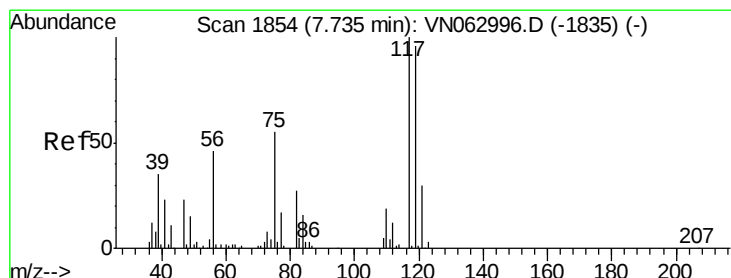
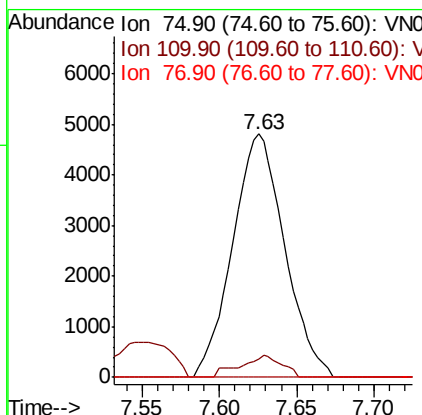
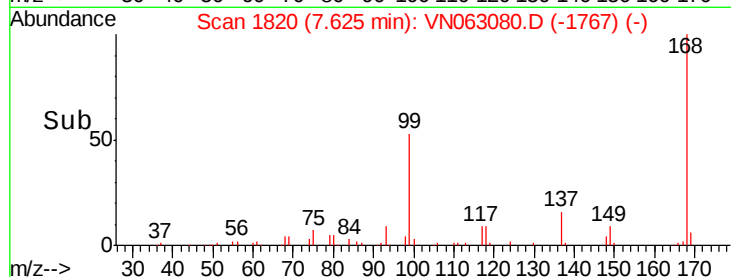
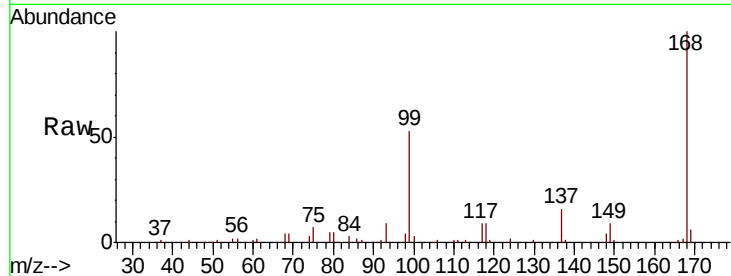




#36
 1,1-Dichloropropene
 Concen: 4.907 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN063080.D
 Acq: 21 Aug 2020 15:03

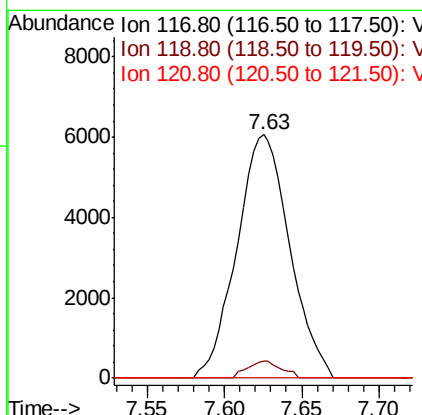
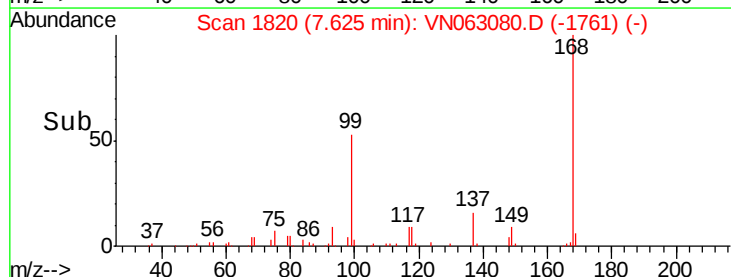
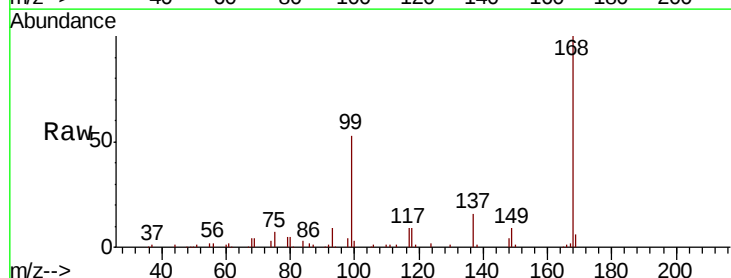
Instrument :
 MSVOA_N
 ClientSampled :
 IBLK

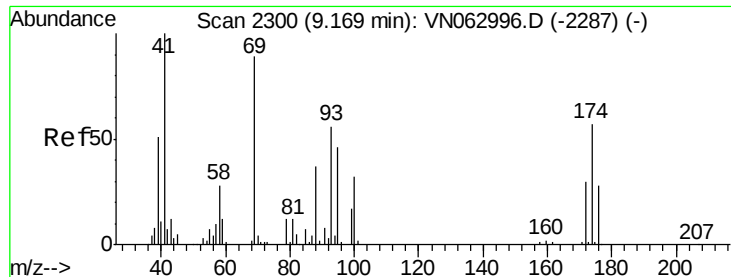
Tot Ion: 75 Resp: 11241
 Ion Ratio Lower Upper
 75 100
 110 5.9 17.5 52.6#
 77 0.0 24.2 36.4#



#38
 Carbon Tetrachloride
 Concen: 6.226 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN063080.D
 Acq: 21 Aug 2020 15:03

Tgt Ion: 117 Resp: 14398
 Ion Ratio Lower Upper
 117 100
 119 7.2 76.2 114.4#
 121 0.0 24.2 36.2#





#48

Methvl methacrylate

Concen: 0.204 ug/l

RT: 9.14 min Scan# 2291

Delta R.T. -0.03 min

Lab File: VN063080.D

Acq: 21 Aug 2020 15:03

Instrument :

MSVOA_N

ClientSampled :

IBLK

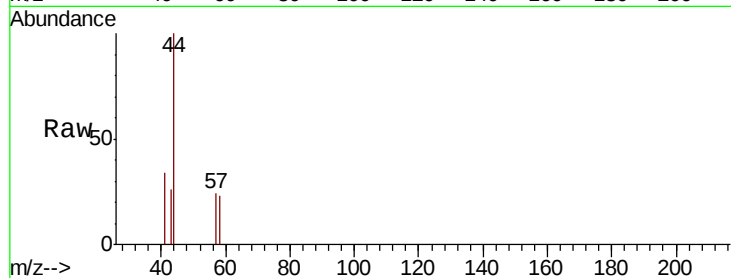
Tot Ion: 41 Resp: 343

Ion Ratio Lower Upper

41 100

69 0.0 74.2 111.4#

39 0.0 42.5 63.7#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.14

250

200

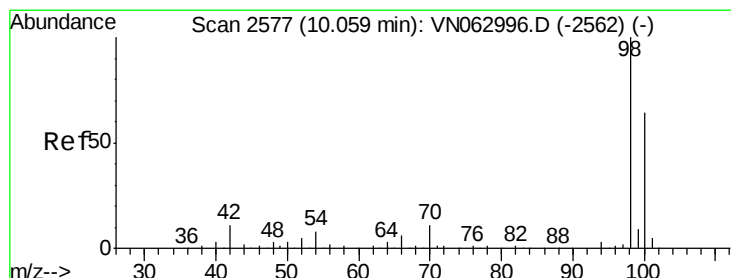
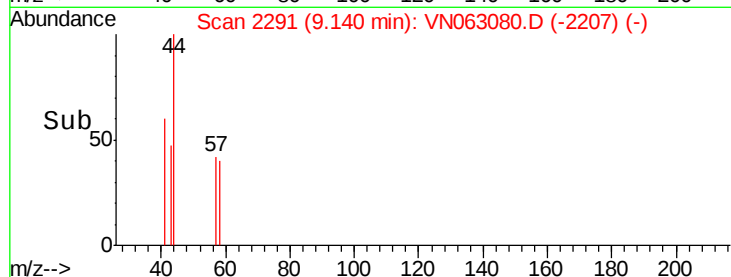
150

100

50

0

Time--> 9.10 9.12 9.14 9.16



#50

Toluene-d8

Concen: 51.007 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.00 min

Lab File: VN063080.D

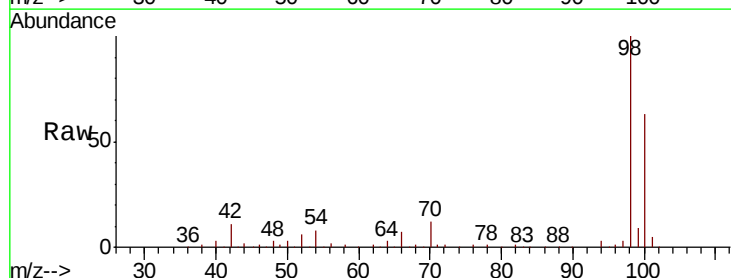
Acq: 21 Aug 2020 15:03

Tgt Ion: 98 Resp: 331818

Ion Ratio Lower Upper

98 100

100 62.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

10.06

200000

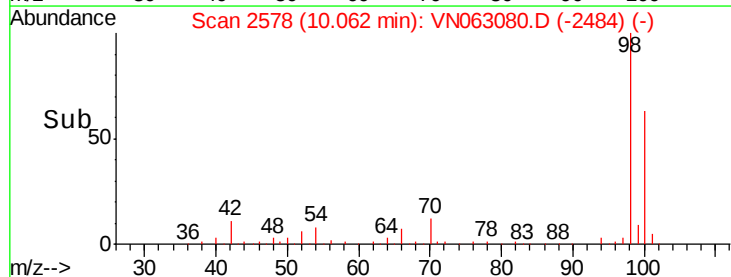
150000

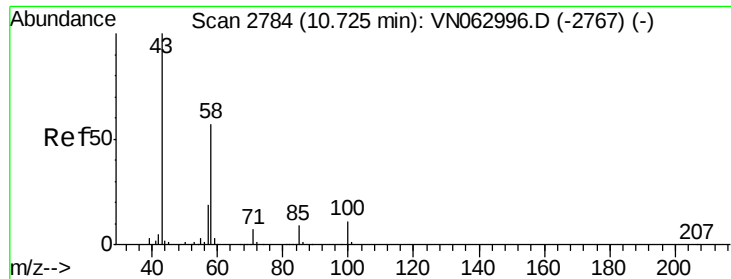
100000

50000

0

Time--> 10.00 10.10 10.20

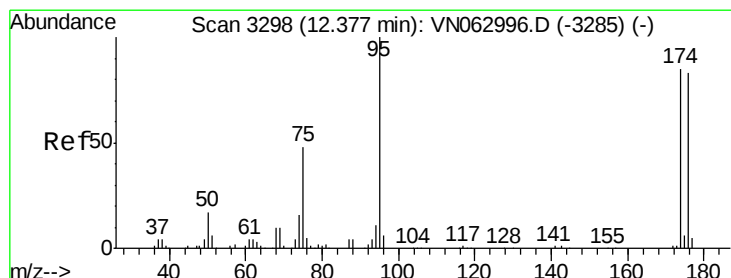
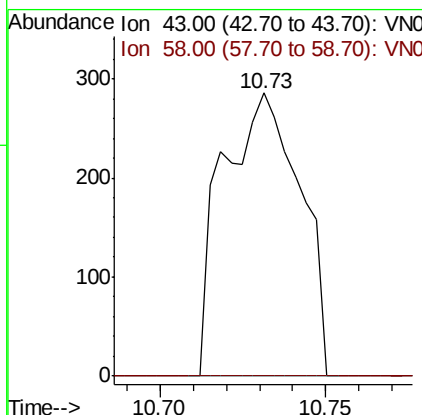
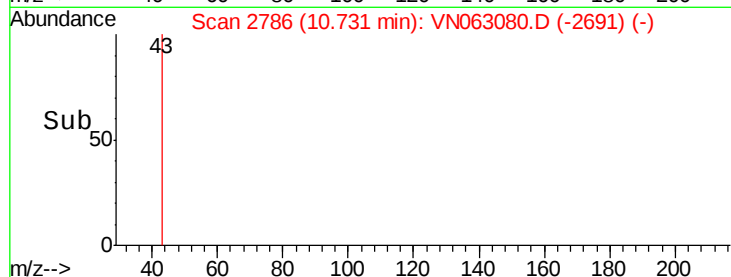
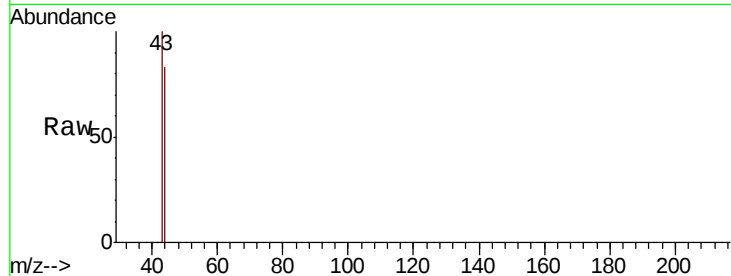




#59
2-Hexanone
Concen: 0.297 ug/l
RT: 10.73 min Scan# 2786
Delta R.T. 0.01 min
Lab File: VN063080.D
Acq: 21 Aug 2020 15:03

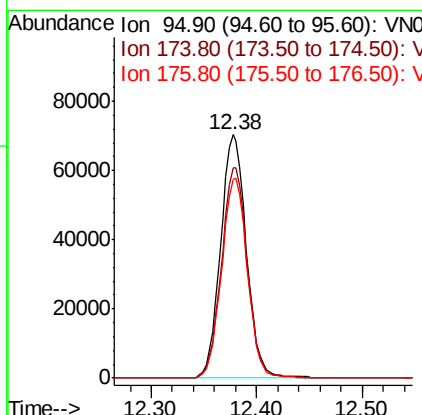
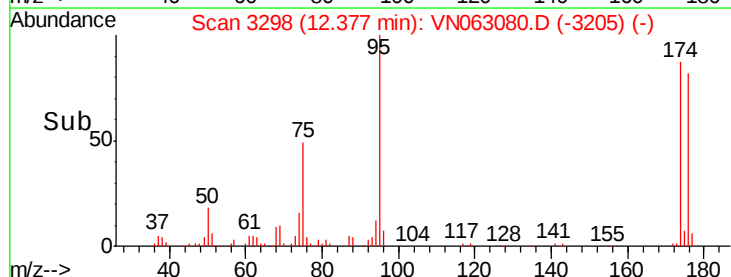
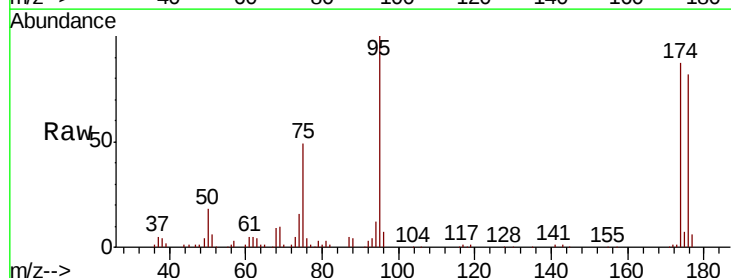
Instrument :
MSVOA_N
ClientSampled :
IBLK

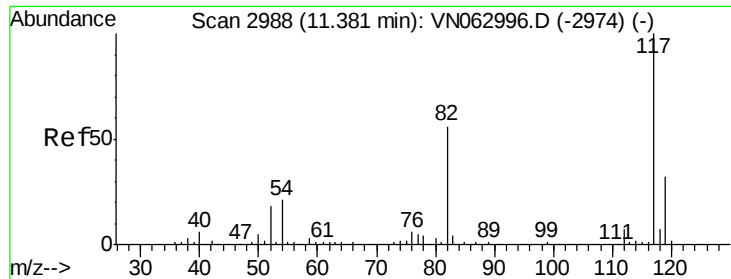
Tot Ion: 43 Resp: 465
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 51.763 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN063080.D
Acq: 21 Aug 2020 15:03

Tgt Ion: 95 Resp: 118829
Ion Ratio Lower Upper
95 100
174 87.2 0.0 170.8
176 82.1 0.0 164.8

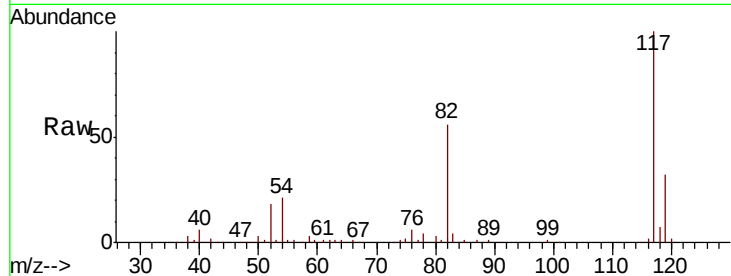




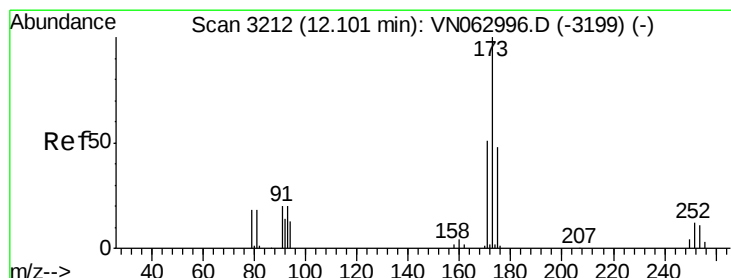
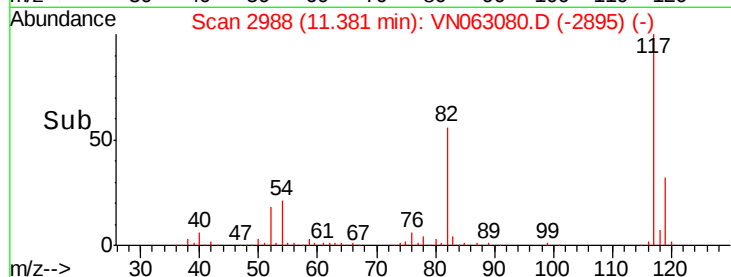
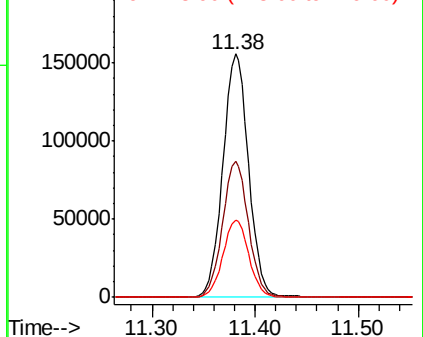
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN063080.D
Acq: 21 Aug 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tot Ion:117 Resp: 270286
Ion Ratio Lower Upper
117 100
82 56.0 44.5 66.7
119 31.7 25.5 38.3

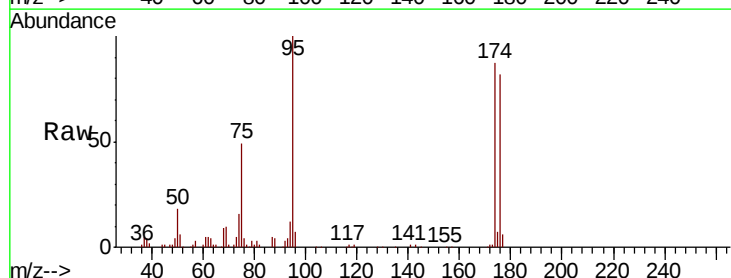


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

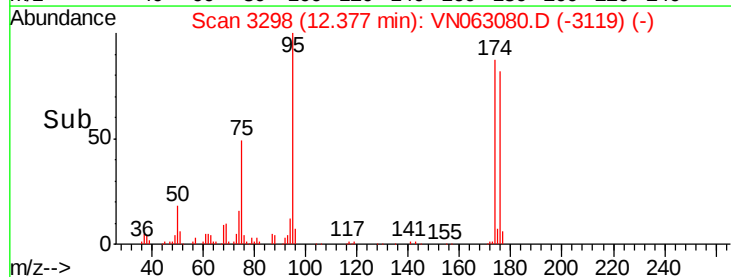
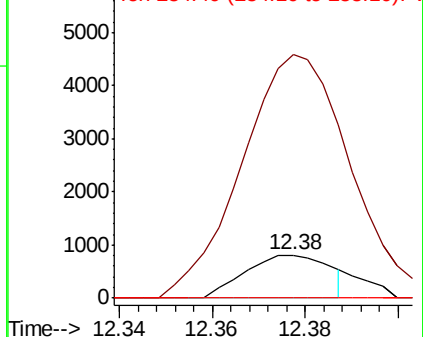


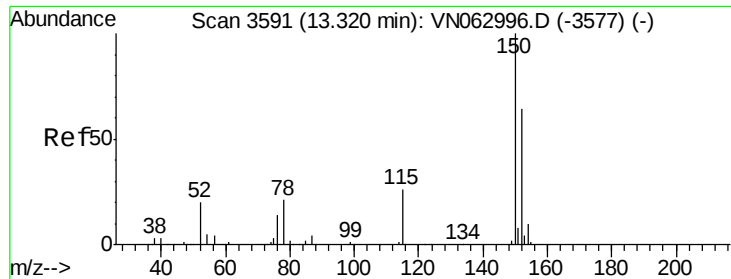
#71
Bromoform
Concen: 0.614 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN063080.D
Acq: 21 Aug 2020 15:03

Tgt Ion:173 Resp: 1032
Ion Ratio Lower Upper
173 100
175 603.9 24.3 72.8#
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): 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: VN063080.D

Acq: 21 Aug 2020 15:03

Instrument :

MSVOA_N

ClientSampleId :

IBLK

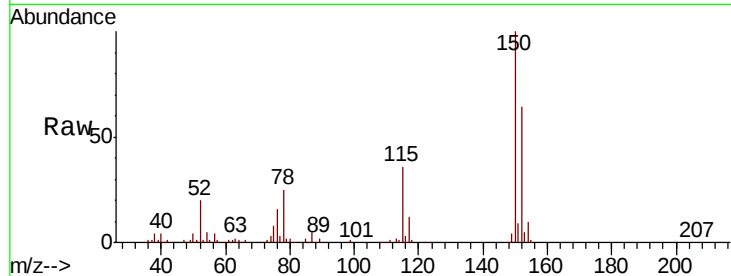
Tot Ion:152 Resp: 105512

Ion Ratio Lower Upper

152 100

115 56.0 28.7 86.3

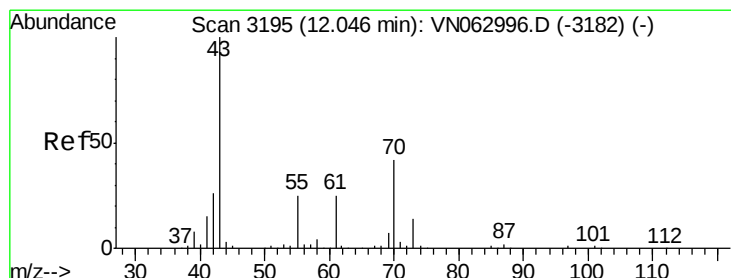
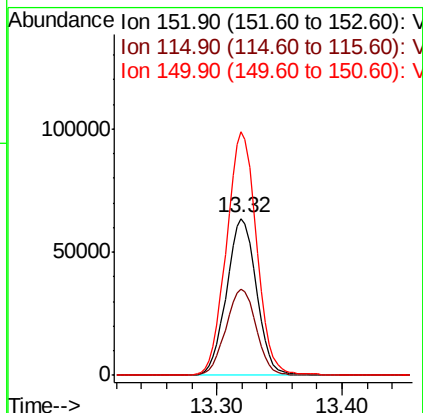
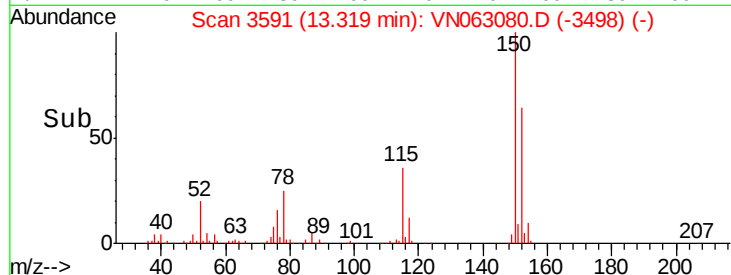
150 156.0 0.0 348.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 0.212 ug/l

RT: 12.05 min Scan# 3196

Delta R.T. 0.00 min

Lab File: VN063080.D

Acq: 21 Aug 2020 15:03

Tgt Ion: 43 Resp: 549

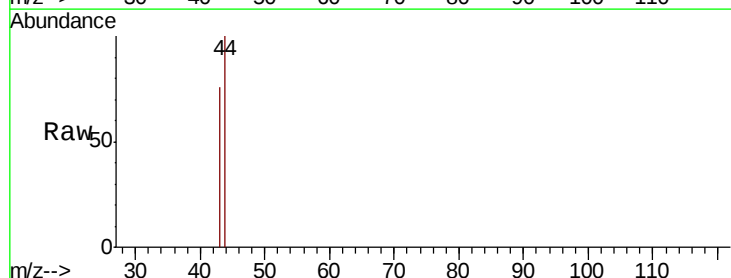
Ion Ratio Lower Upper

43 100

70 0.0 33.4 50.0#

55 0.0 20.2 30.2#

61 0.0 19.9 29.9#

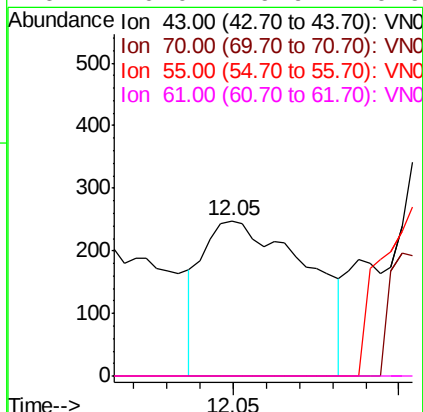
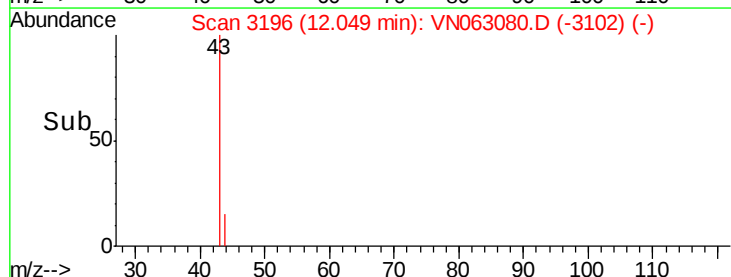


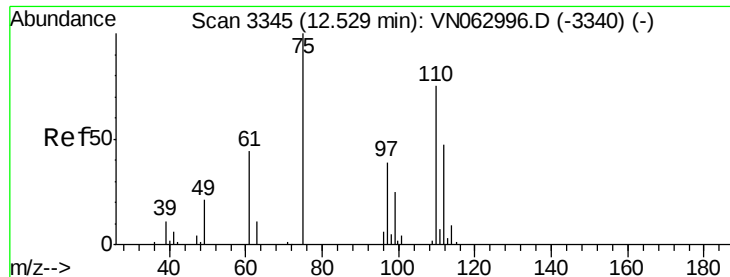
Abundance Ion 43.00 (42.70 to 43.70): V

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: 28.448 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN063080.D

Acq: 21 Aug 2020 15:03

Instrument :

MSVOA_N

ClientSampled :

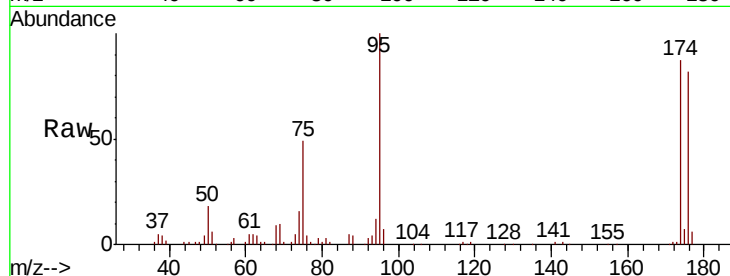
IBLK

Tot Ion: 75 Resp: 58344

Ion Ratio Lower Upper

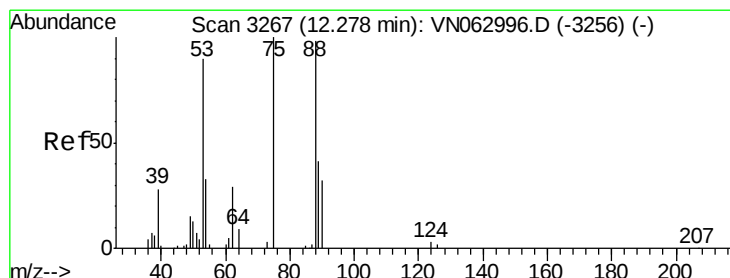
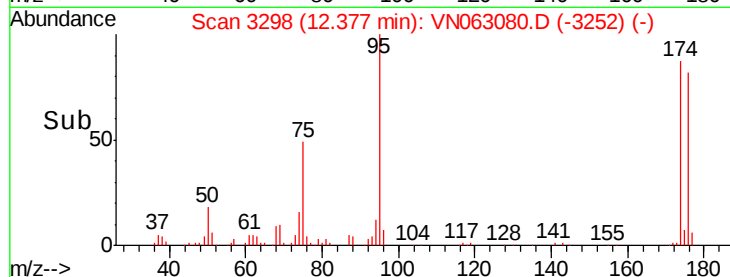
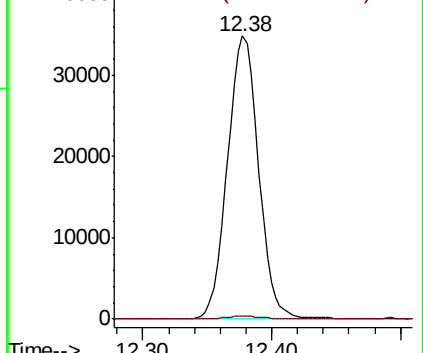
75 100

77 1.1 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: 78.130 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN063080.D

Acq: 21 Aug 2020 15:03

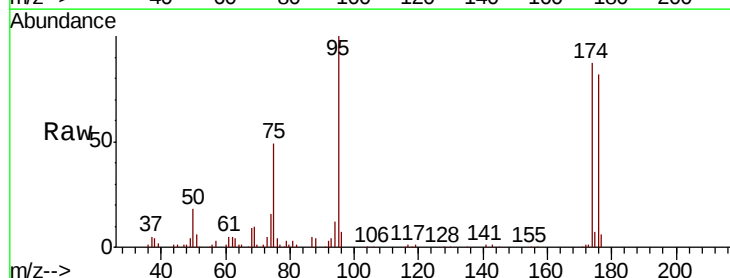
Tgt Ion: 75 Resp: 58344

Ion Ratio Lower Upper

75 100

53 0.0 69.2 103.8#

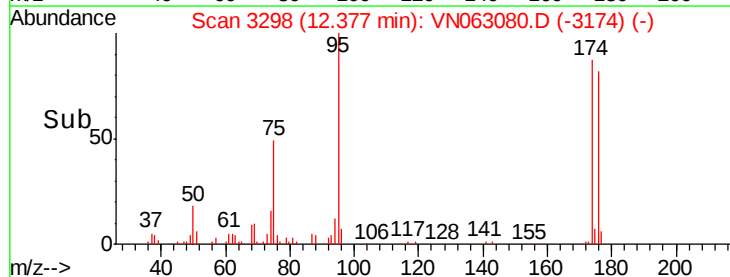
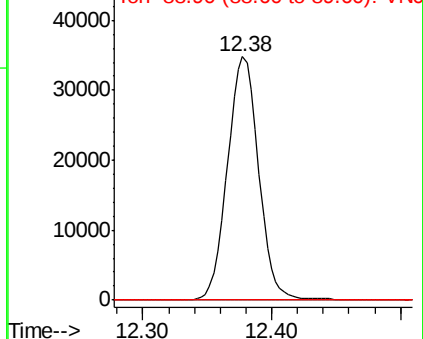
89 0.0 34.2 51.4#

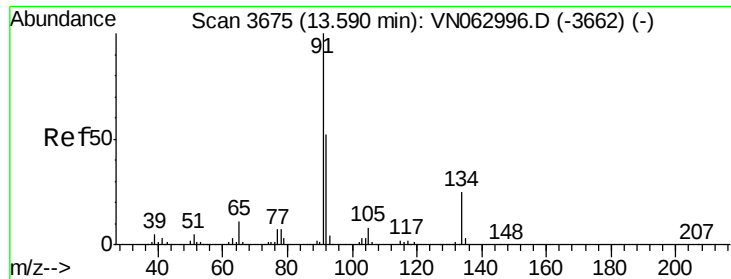


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

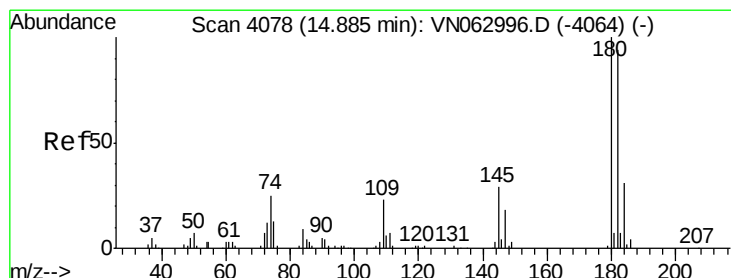
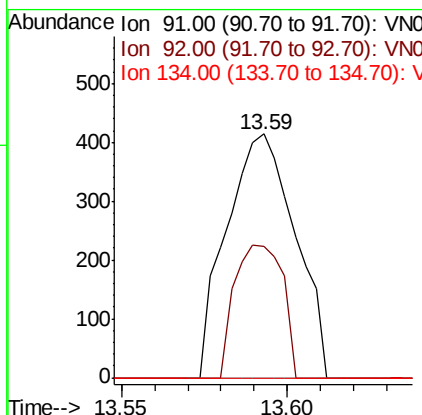
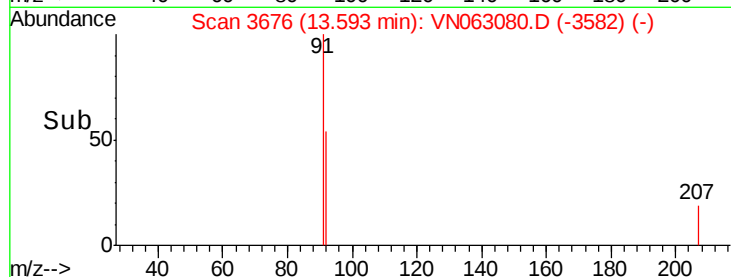
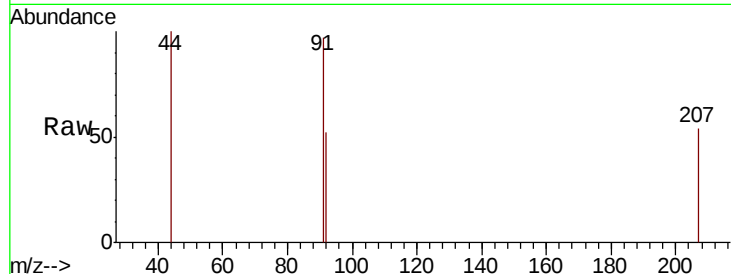




#89
n-Butylbenzene
Concen: 2.869 ug/l
RT: 13.59 min Scan# 3676
Delta R.T. 0.00 min
Lab File: VN063080.D
Acq: 21 Aug 2020 15:03

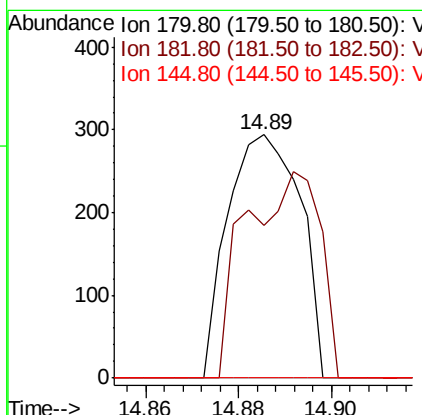
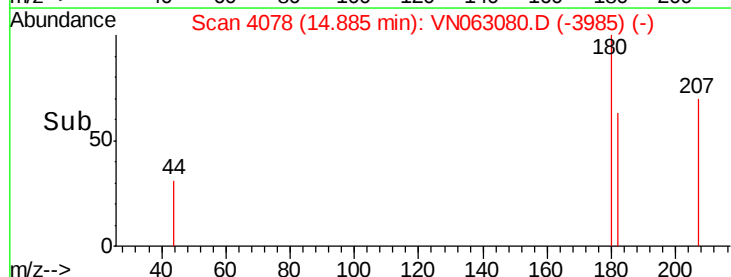
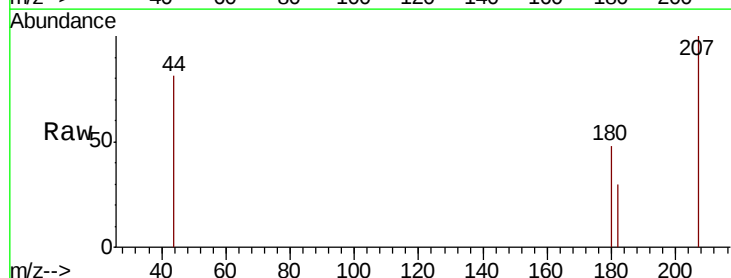
Instrument :
MSVOA_N
ClientSampled :
IBLK

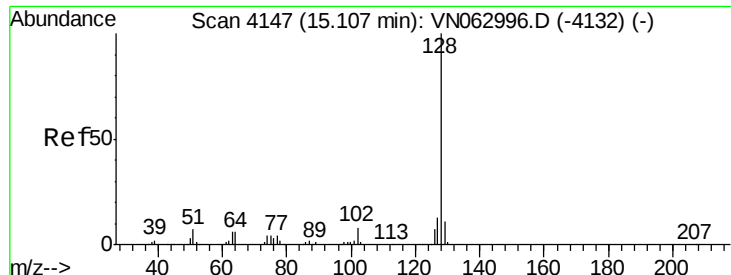
Tot Ion: 91 Resp: 597
Ion Ratio Lower Upper
91 100
92 37.9 25.9 77.6
134 0.0 12.4 37.0#



#93
1,2,4-Trichlorobenzene
Concen: 4.705 ug/l
RT: 14.89 min Scan# 4078
Delta R.T. 0.00 min
Lab File: VN063080.D
Acq: 21 Aug 2020 15:03

Tgt Ion: 180 Resp: 321
Ion Ratio Lower Upper
180 100
182 86.6 47.0 141.2
145 0.0 14.1 42.4#

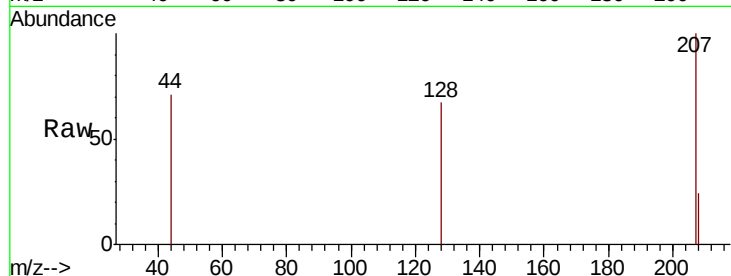




#95
Naphthalene
Concen: 5.783 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN063080.D
Acq: 21 Aug 2020 15:03

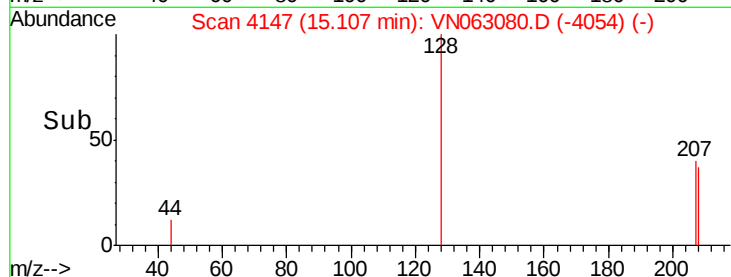
Instrument :
MSVOA_N
ClientSampled :
IBLK

Tot Ion:128 Resp: 668
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.9 13.3#

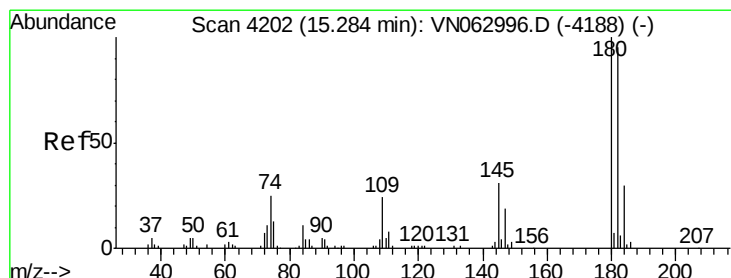


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

15.11

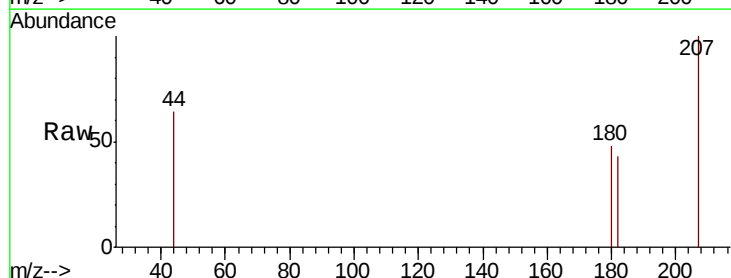


Time-->



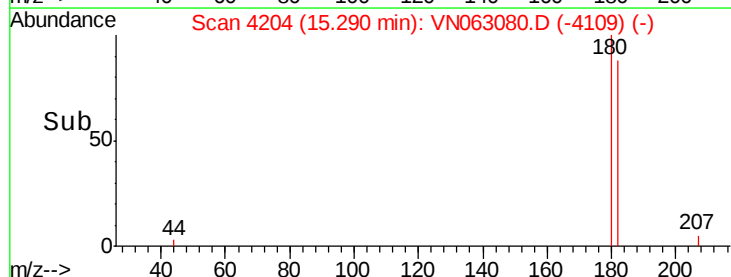
#96
1,2,3-Trichlorobenzene
Concen: 4.163 ug/l
RT: 15.29 min Scan# 4204
Delta R.T. 0.01 min
Lab File: VN063080.D
Acq: 21 Aug 2020 15:03

Tgt Ion:180 Resp: 384
Ion Ratio Lower Upper
180 100
182 106.0 47.3 141.9
145 0.0 15.6 46.7#



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

15.29



Time-->