

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081220\
 Data File : VN062897.D
 Acq On : 13 Aug 2020 8:23
 Operator : JC/MD
 Sample : L3648-15
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BS-STOCK-8

Quant Time: Aug 13 08:42:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	138746	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	251512	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	255922	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	103866	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	119269	51.98	ug/l	0.00
Spiked Amount			Recovery	=	103.96%	
35) Dibromofluoromethane	7.55	113	87286	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	
50) Toluene-d8	10.06	98	327117	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	
62) 4-Bromofluorobenzene	12.38	95	124168	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	

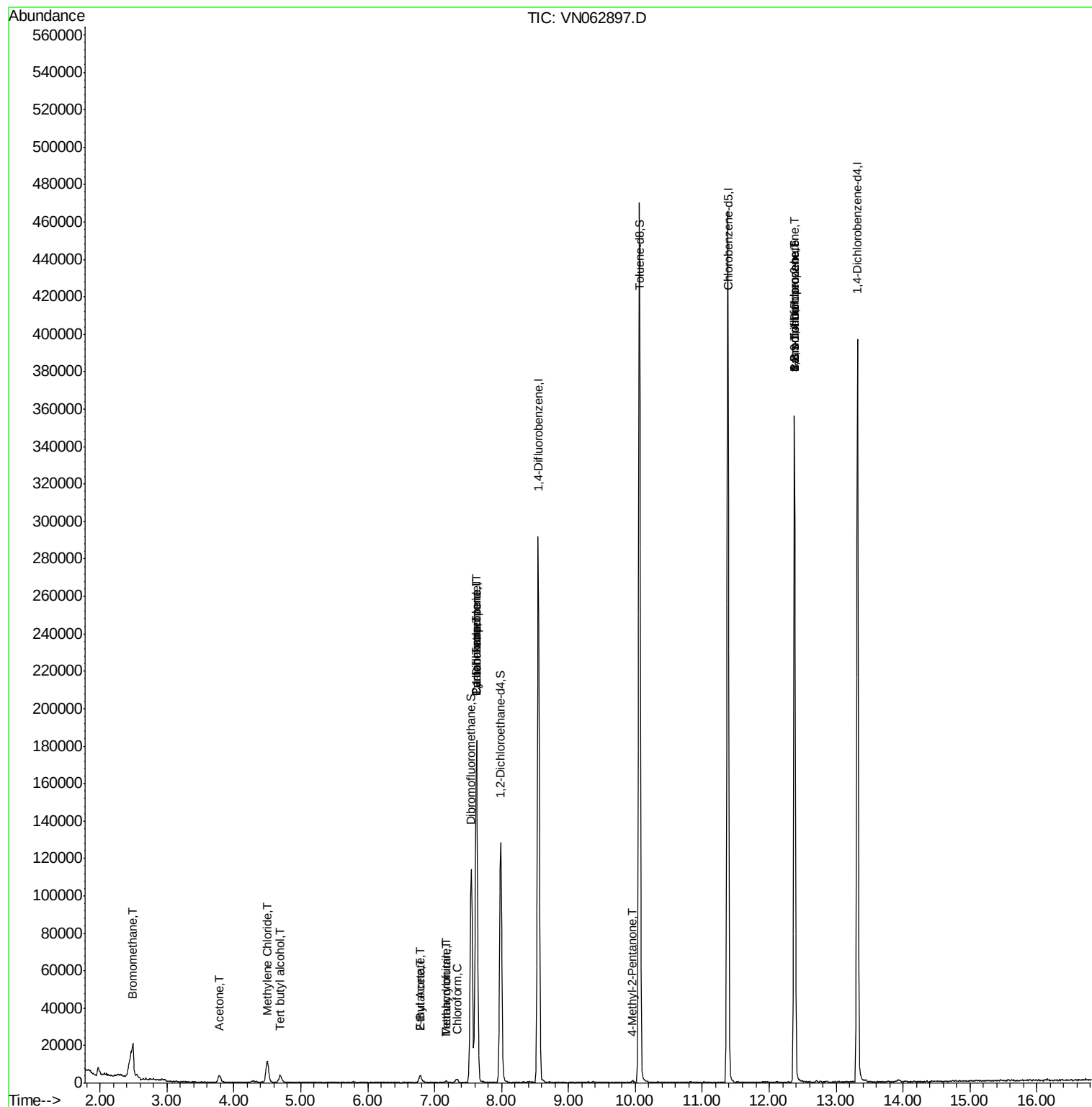
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.49	94	309	0.265	ug/l #	41
11) Tert butyl alcohol	4.70	59	3944	10.488	ug/l #	72
16) Acetone	3.78	43	5746	6.931	ug/l	96
18) Methyl Acetate	4.27	43	788	Below Cal	#	52
20) Methylene Chloride	4.50	84	9258	5.424	ug/l	89
25) 2-Butanone	6.80	43	876	0.746	ug/l #	49
29) Tetrahydrofuran	7.18	42	446	0.585	ug/l #	33
30) Chloroform	7.33	83	2256	0.701	ug/l	87
31) Cyclohexane	7.62	56	2931	1.054	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	11585	4.730	ug/l #	53
37) Ethyl Acetate	6.80	43	876	0.342	ug/l #	67
38) Carbon Tetrachloride	7.63	117	14894	5.142	ug/l #	14
41) Methacrylonitrile	7.17	41	468	0.405	ug/l #	30
51) 4-Methyl-2-Pentanone	9.96	43	1284	0.465	ug/l #	76
71) Bromoform	12.37	173	961	0.547	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	67131	23.966	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	67131	73.160	ug/l #	10

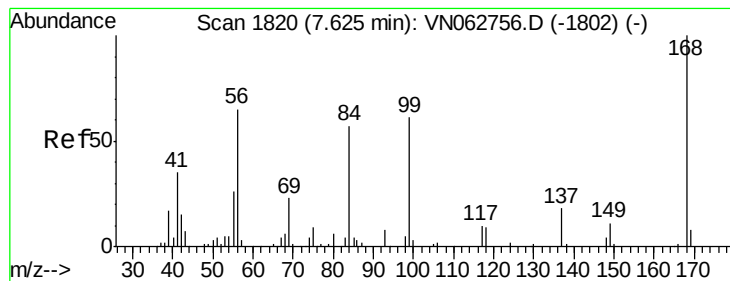
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081220\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062897.D

Acq: 13 Aug 2020 8:23

Instrument :

MSVOA_N

ClientSampleId :

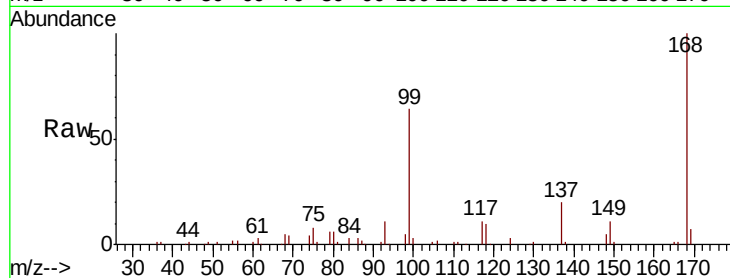
BS-STOCK-8

Tot Ion:168 Resp: 138746

Ion Ratio Lower Upper

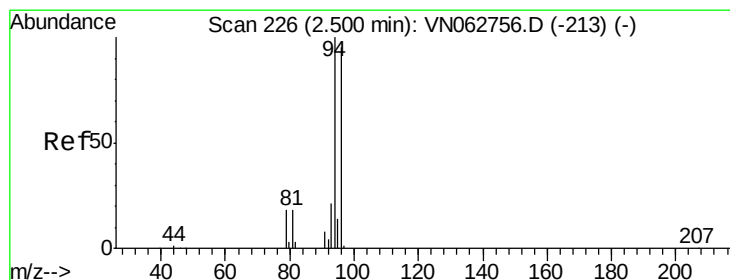
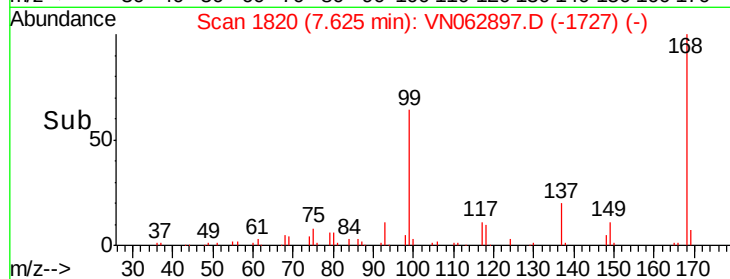
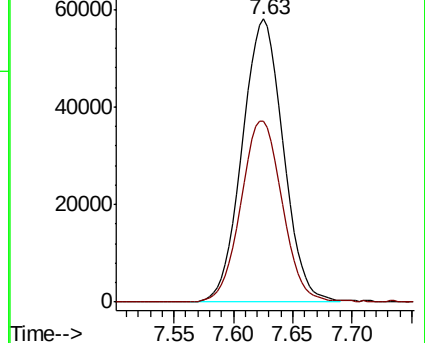
168 100

99 64.0 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#5

Bromomethane

Concen: 0.265 ug/l

RT: 2.49 min Scan# 223

Delta R.T. -0.01 min

Lab File: VN062897.D

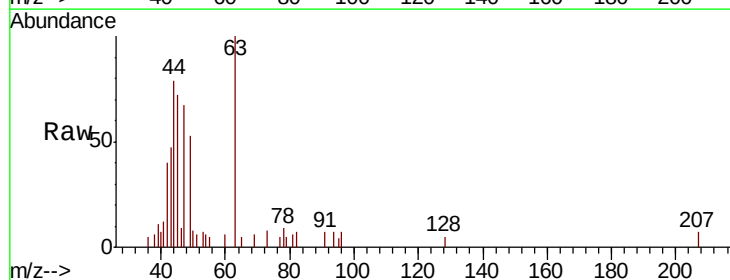
Acq: 13 Aug 2020 8:23

Tgt Ion: 94 Resp: 309

Ion Ratio Lower Upper

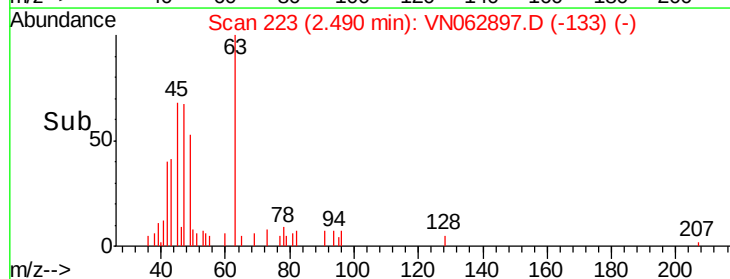
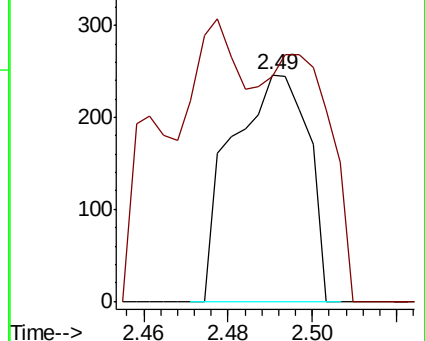
94 100

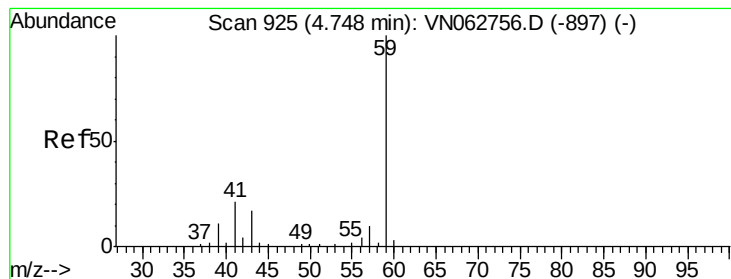
96 37.8 76.2 114.4#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO





#11

Tert butyl alcohol

Concen: 10.488 ug/l

RT: 4.70 min Scan# 910

Delta R.T. -0.05 min

Lab File: VN062897.D

Acq: 13 Aug 2020 8:23

Instrument :

MSVOA_N

ClientSampled :

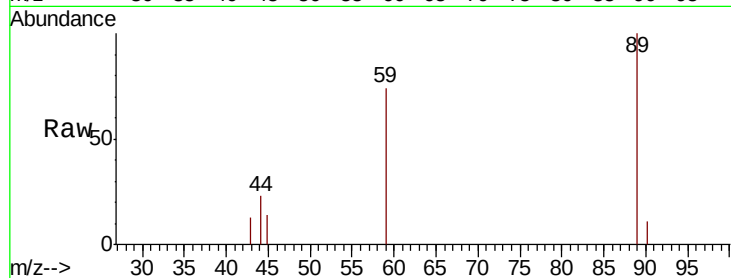
BS-STOCK-8

Tot Ion: 59 Resp: 3944

Ion Ratio Lower Upper

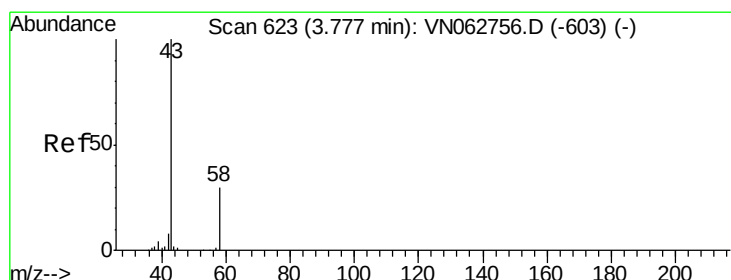
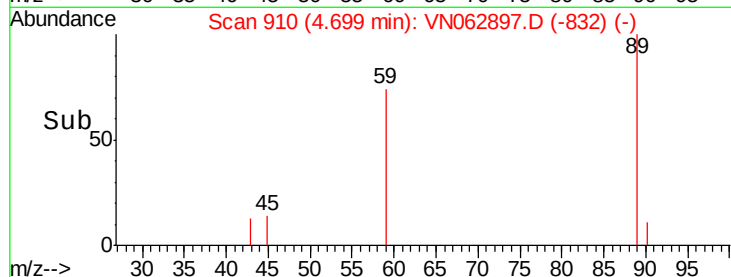
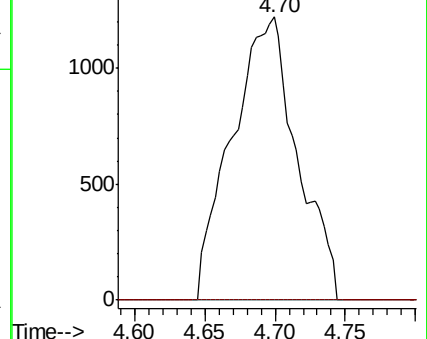
59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#16

Acetone

Concen: 6.931 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN062897.D

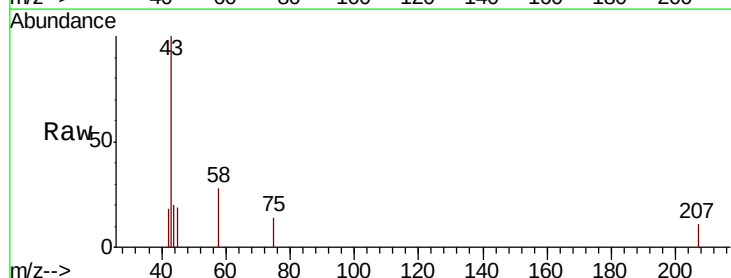
Acq: 13 Aug 2020 8:23

Tgt Ion: 43 Resp: 5746

Ion Ratio Lower Upper

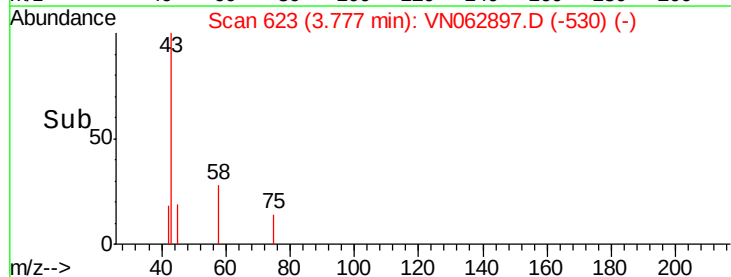
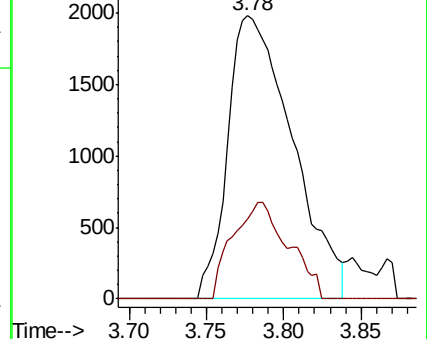
43 100

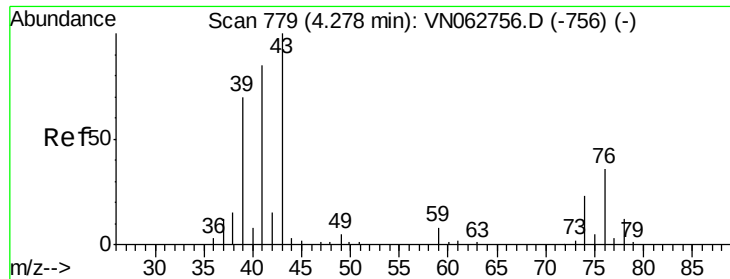
58 28.0 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

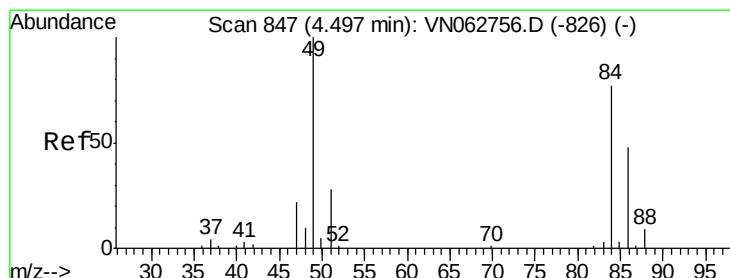
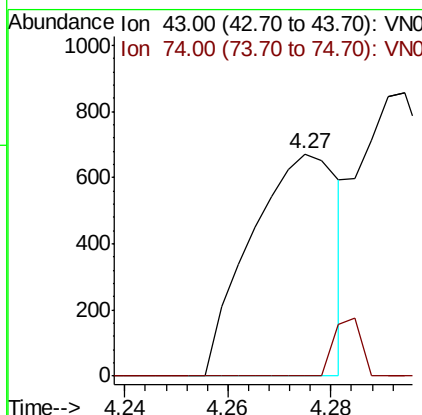
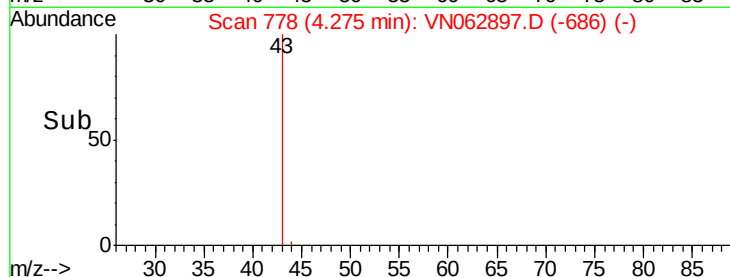
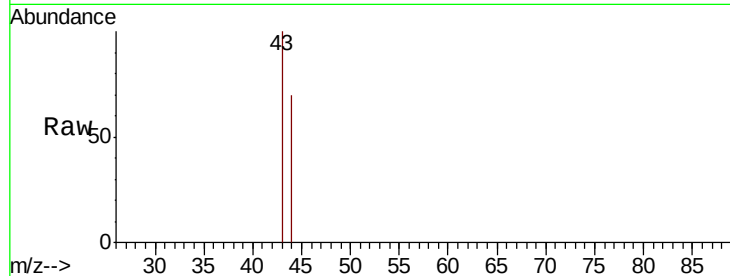




#18
Methyl Acetate
Concen: Below Cal
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN062897.D
Acq: 13 Aug 2020 8:23

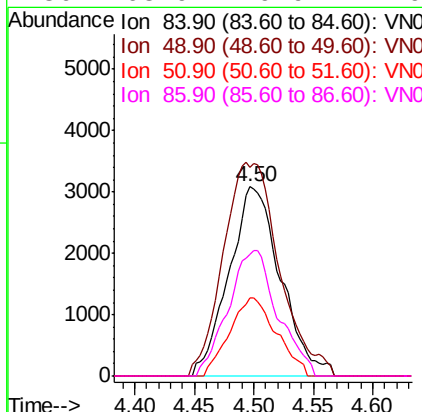
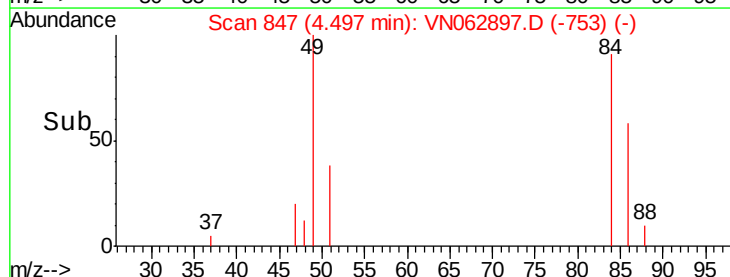
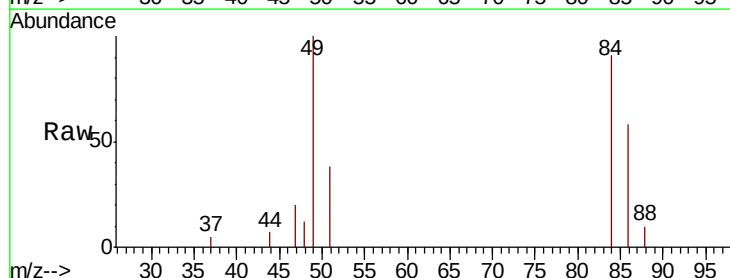
Instrument :
MSVOA_N
ClientSampleId :
BS-STOCK-8

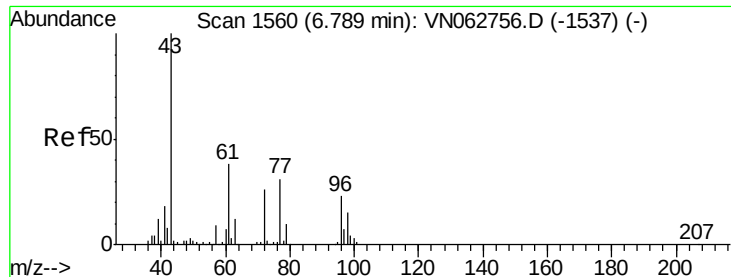
Tot Ion: 43 Resp: 788
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



#20
Methylene Chloride
Concen: 5.424 ug/l
RT: 4.50 min Scan# 847
Delta R.T. 0.00 min
Lab File: VN062897.D
Acq: 13 Aug 2020 8:23

Tgt Ion: 84 Resp: 9258
Ion Ratio Lower Upper
84 100
49 109.9 103.4 155.2
51 41.3 29.3 43.9
86 63.9 49.9 74.9





#25

2-Butanone

Concen: 0.746 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.01 min

Lab File: VN062897.D

Acq: 13 Aug 2020 8:23

Instrument :

MSVOA_N

ClientSampled :

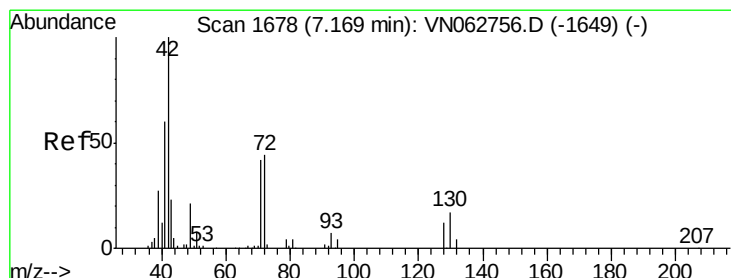
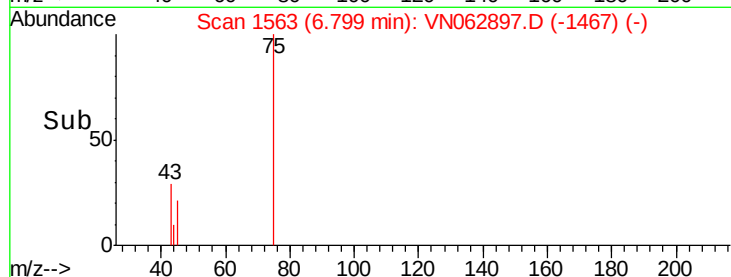
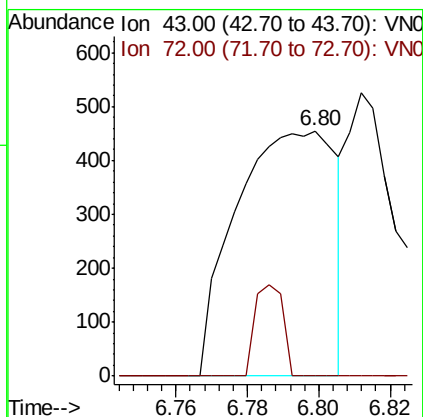
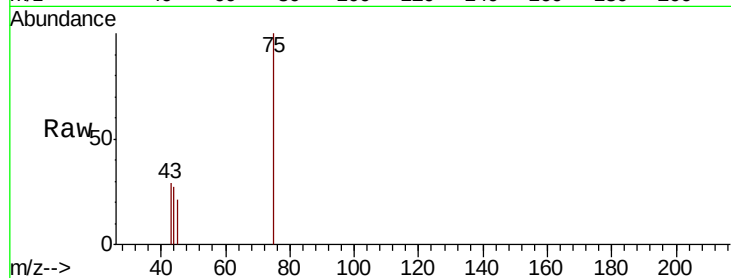
BS-STOCK-8

Tot Ion: 43 Resp: 876

Ion Ratio Lower Upper

43 100

72 0.0 21.1 31.7#



#29

Tetrahydrofuran

Concen: 0.585 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.01 min

Lab File: VN062897.D

Acq: 13 Aug 2020 8:23

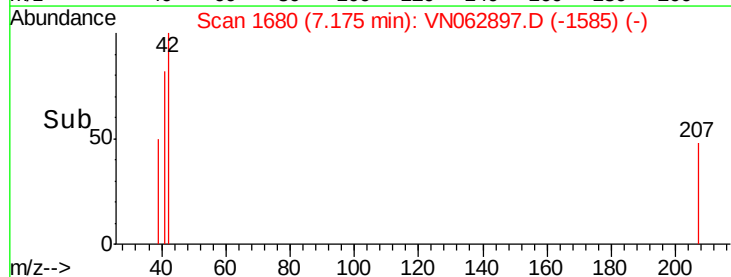
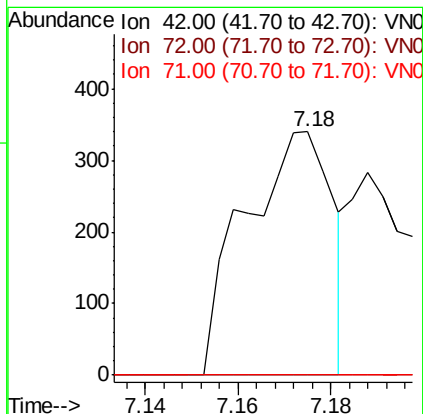
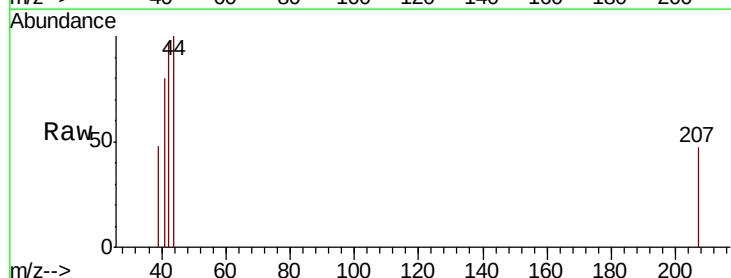
Tgt Ion: 42 Resp: 446

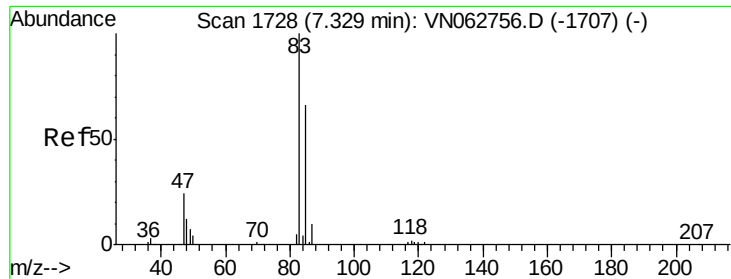
Ion Ratio Lower Upper

42 100

72 0.0 35.0 52.4#

71 0.0 33.2 49.8#

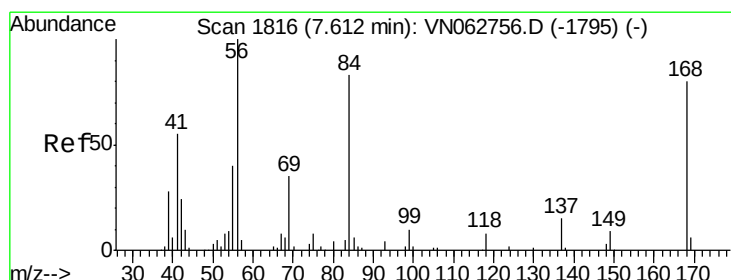
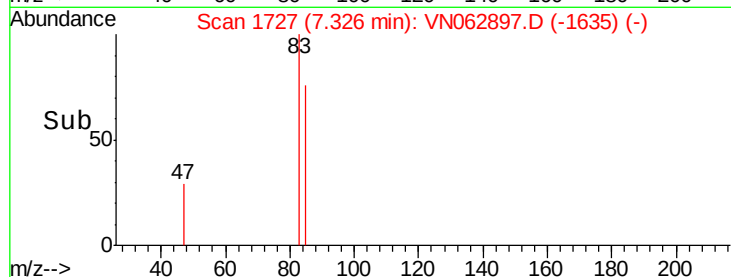
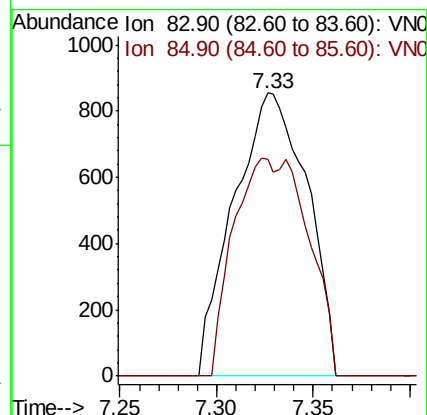
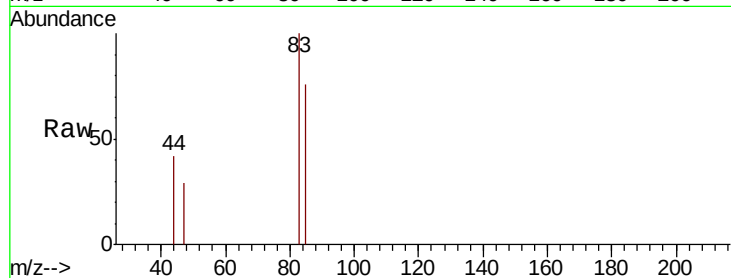




#30
Chloroform
Concen: 0.701 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062897.D
Acq: 13 Aug 2020 8:23

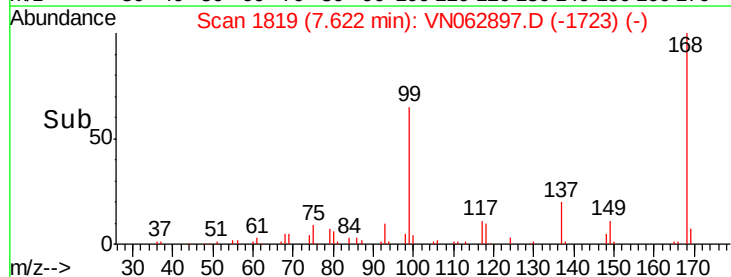
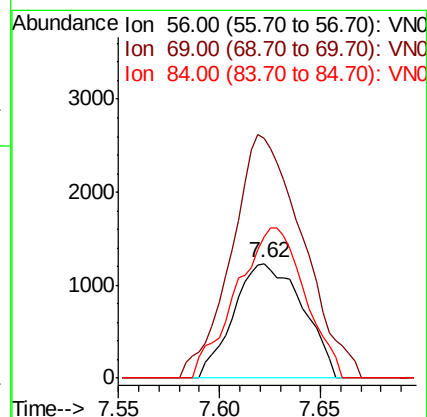
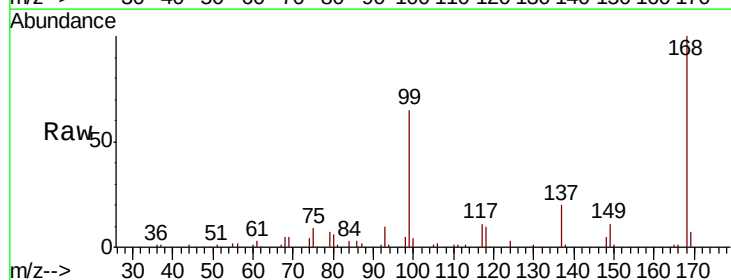
Instrument :
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ClientSampleId :
BS-STOCK-8

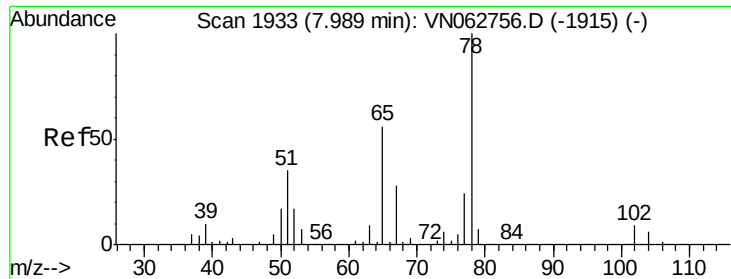
Tot Ion: 83 Resp: 2256
Ion Ratio Lower Upper
83 100
85 76.5 52.7 79.1



#31
Cyclohexane
Concen: 1.054 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN062897.D
Acq: 13 Aug 2020 8:23

Tgt Ion: 56 Resp: 2931
Ion Ratio Lower Upper
56 100
69 191.1 28.1 42.1#
84 123.2 66.8 100.2#

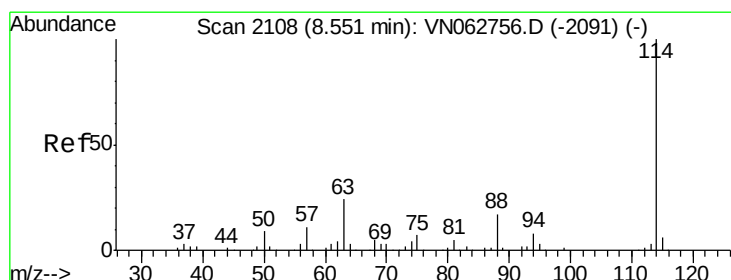
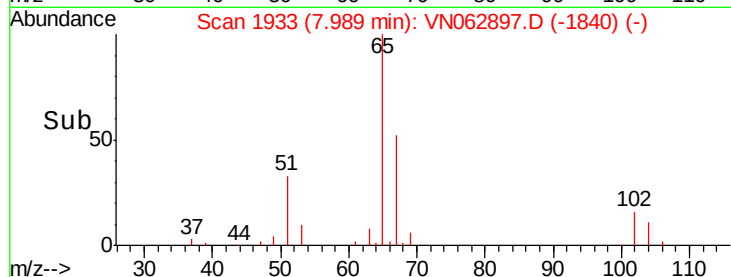
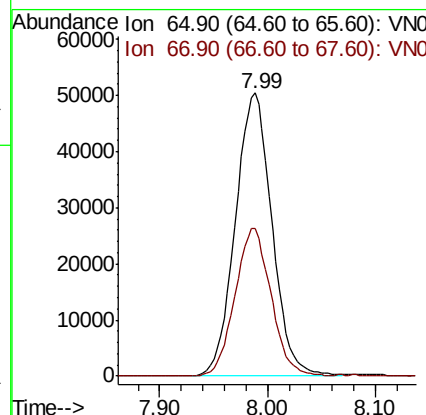
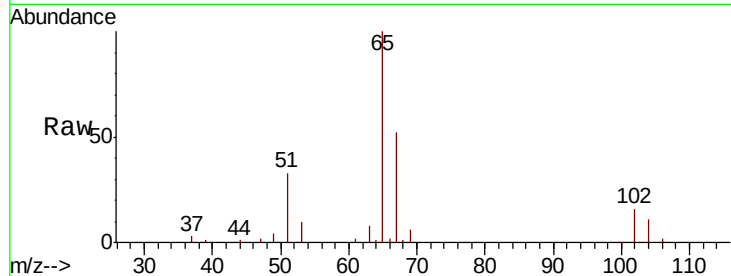




#33
 1,2-Dichloroethane-d4
 Concen: 51.982 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062897.D
 Acq: 13 Aug 2020 8:23

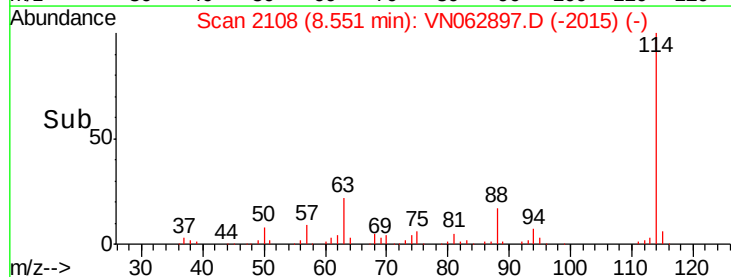
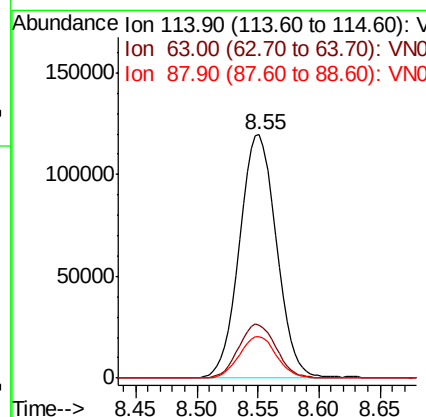
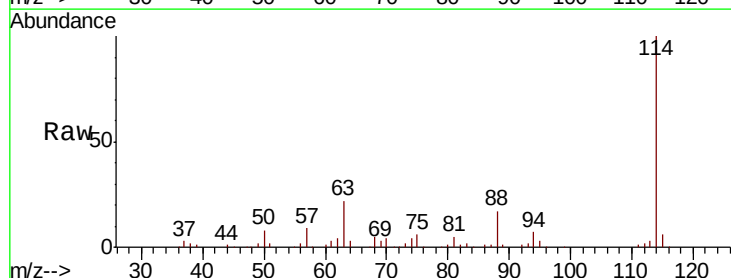
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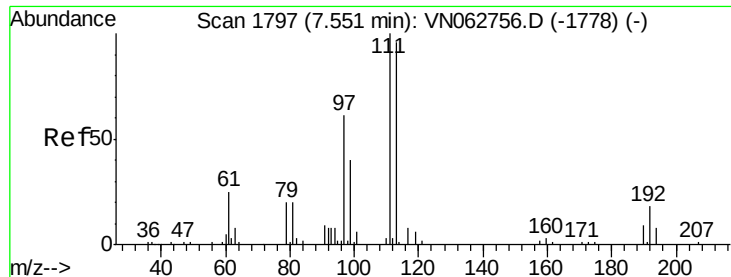
Tot Ion: 65 Resp: 119269
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062897.D
 Acq: 13 Aug 2020 8:23

Tgt Ion: 114 Resp: 251512
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 47.6
 88 17.1 0.0 34.4

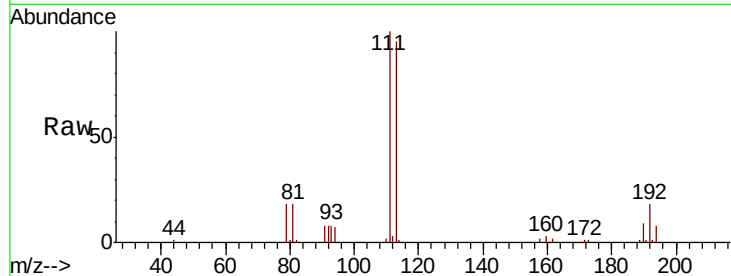




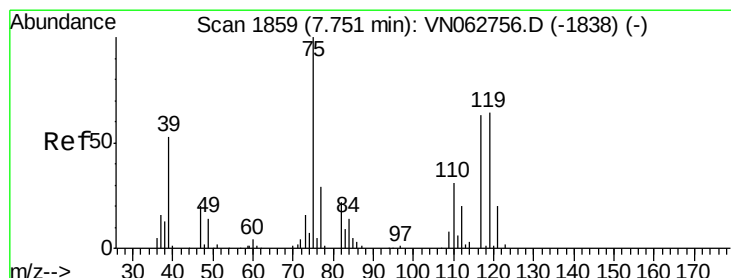
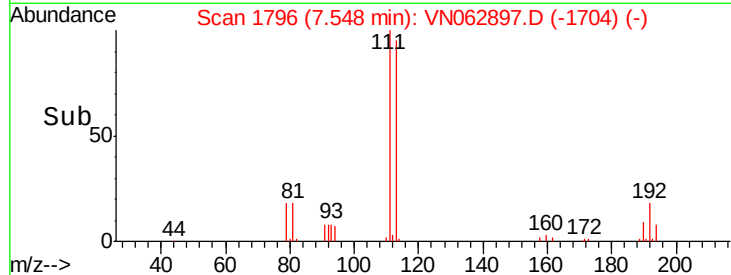
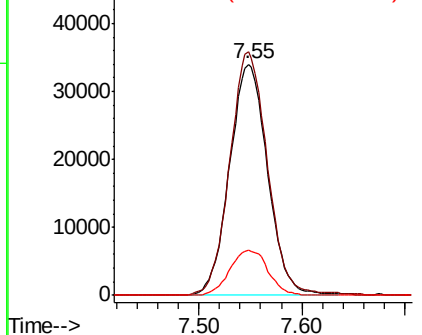
#35
 Dibromofluoromethane
 Concen: 50.733 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062897.D
 Acq: 13 Aug 2020 8:23

Instrument :
 MSVOA_N
 ClientSampleId :
 BS-STOCK-8

Tot Ion:113 Resp: 87286
 Ion Ratio Lower Upper
 113 100
 111 104.0 81.8 122.6
 192 19.4 15.0 22.4

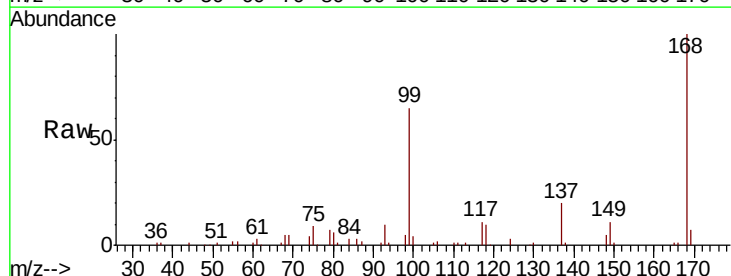


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

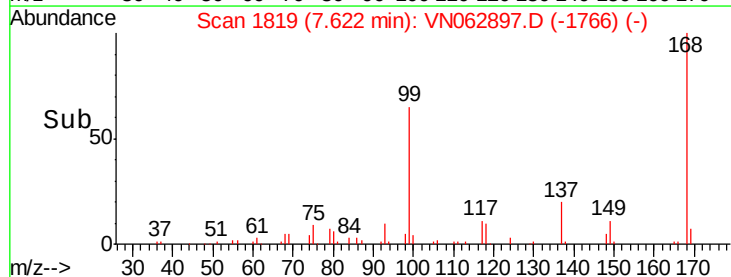
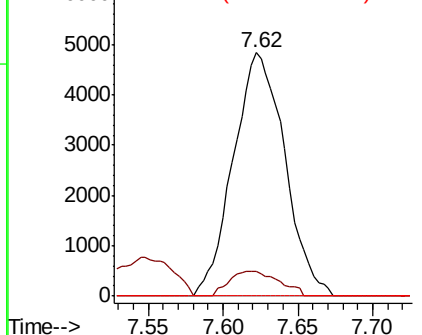


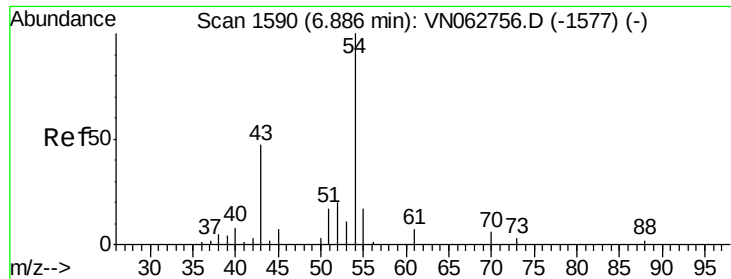
#36
 1,1-Dichloropropene
 Concen: 4.730 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN062897.D
 Acq: 13 Aug 2020 8:23

Tgt Ion: 75 Resp: 11585
 Ion Ratio Lower Upper
 75 100
 110 9.8 15.6 46.7#
 77 0.0 24.1 36.1#



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

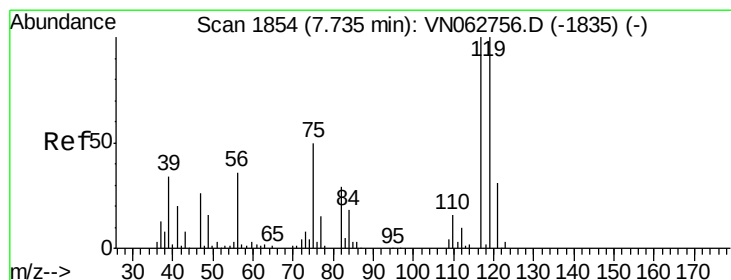
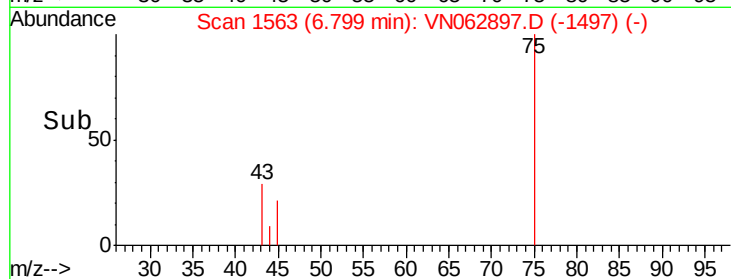
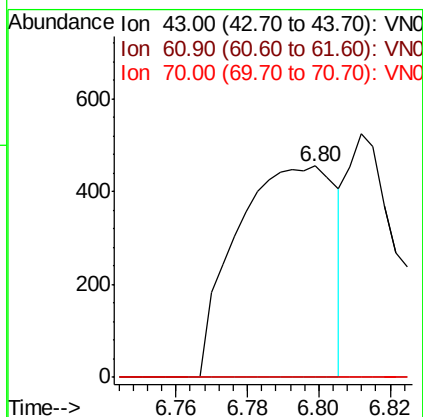
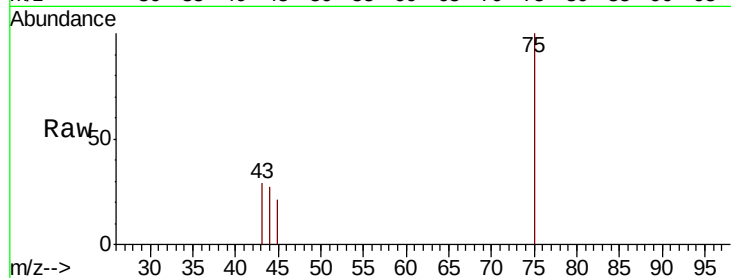




#37
Ethyl Acetate
Concen: 0.342 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. -0.09 min
Lab File: VN062897.D
Acq: 13 Aug 2020 8:23

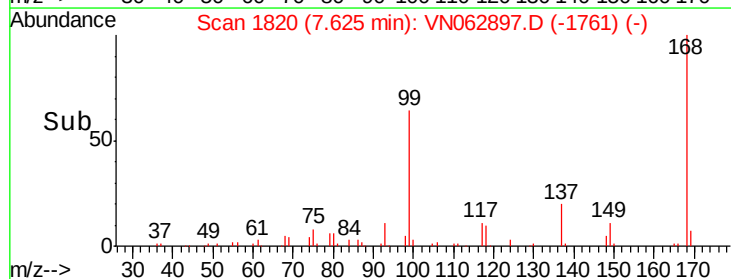
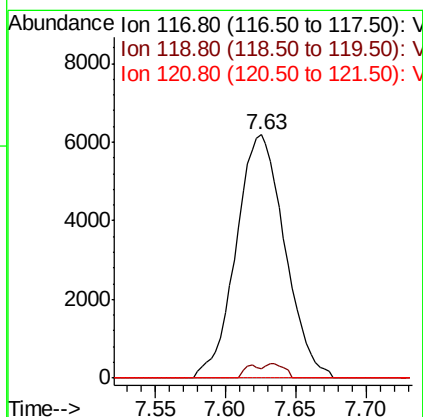
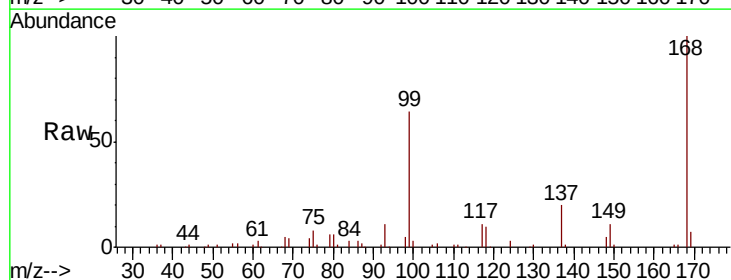
Instrument :
MSVOA_N
ClientSampleId :
BS-STOCK-8

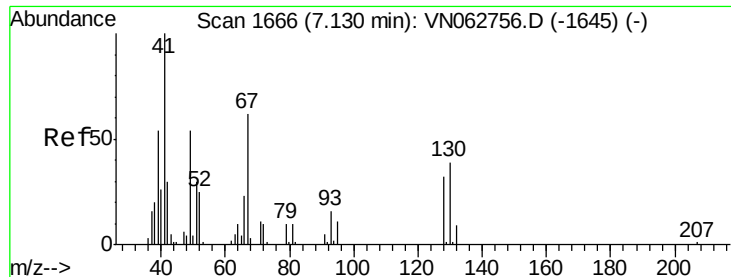
Tot Ion: 43 Resp: 876
Ion Ratio Lower Upper
43 100
61 0.0 12.1 18.1#
70 0.0 8.3 12.5#



#38
Carbon Tetrachloride
Concen: 5.142 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.11 min
Lab File: VN062897.D
Acq: 13 Aug 2020 8:23

Tgt Ion: 117 Resp: 14894
Ion Ratio Lower Upper
117 100
119 3.8 79.4 119.2#
121 0.0 24.9 37.3#

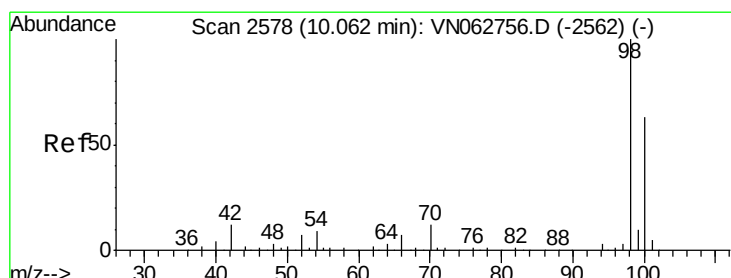
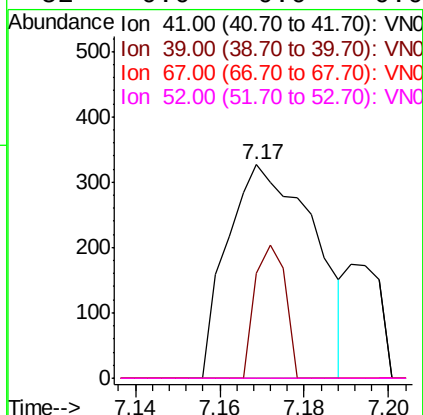
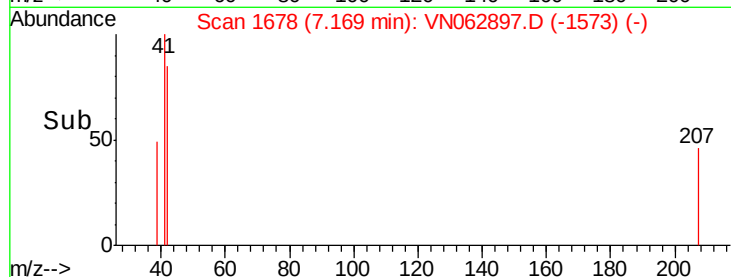
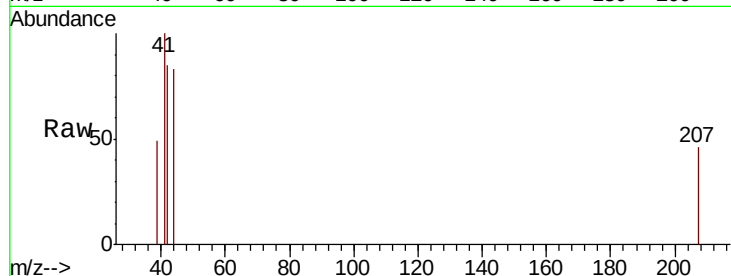




#41
Methacrylonitrile
Concen: 0.405 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.04 min
Lab File: VN062897.D
Acq: 13 Aug 2020 8:23

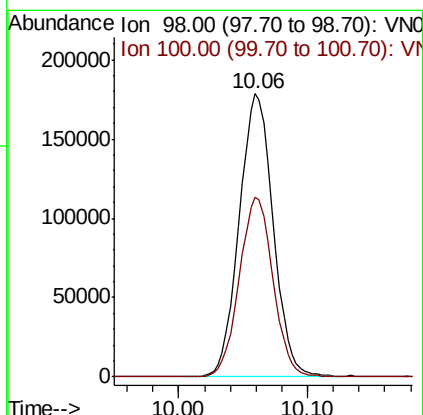
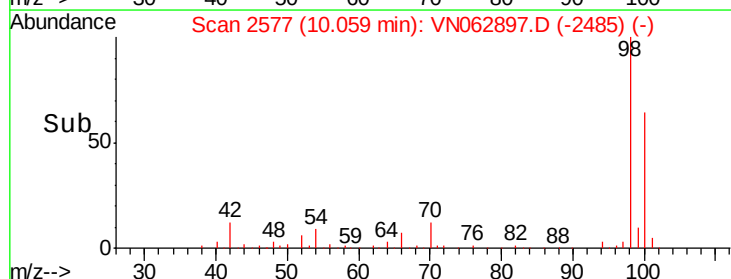
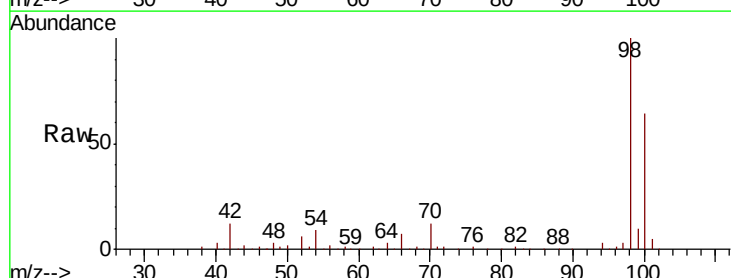
Instrument :
MSVOA_N
ClientSampled :
BS-STOCK-8

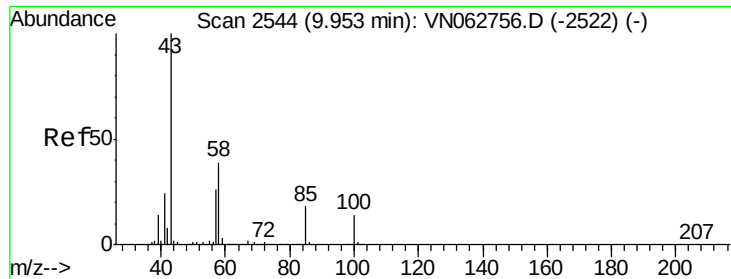
Tot Ion:	41	Resp:	468
Ion	Ratio	Lower	Upper
41	100		
39	22.0	69.4	104.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#50
Toluene-d8
Concen: 48.701 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062897.D
Acq: 13 Aug 2020 8:23

Tgt Ion:	98	Resp:	327117
Ion	Ratio	Lower	Upper
98	100		
100	63.1	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 0.465 ug/l

RT: 9.96 min Scan# 2547

Delta R.T. 0.01 min

Lab File: VN062897.D

Acq: 13 Aug 2020 8:23

Instrument :

MSVOA_N

ClientSampled :

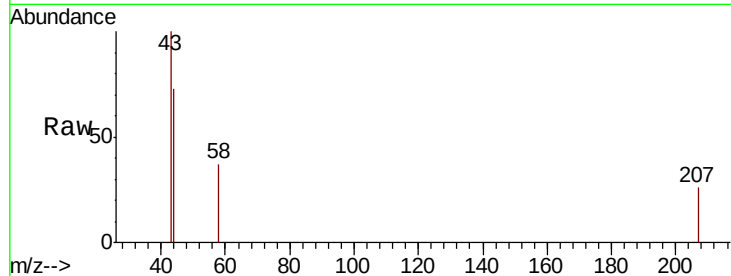
BS-STOCK-8

Tot Ion: 43 Resp: 1284

Ion Ratio Lower Upper

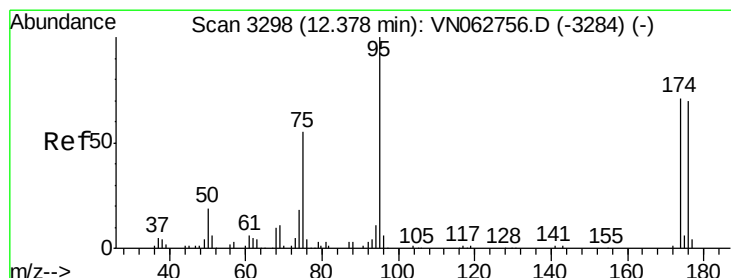
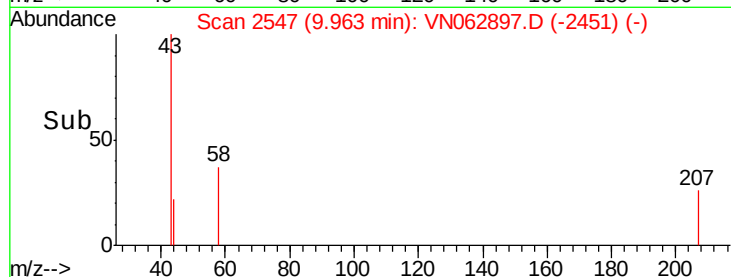
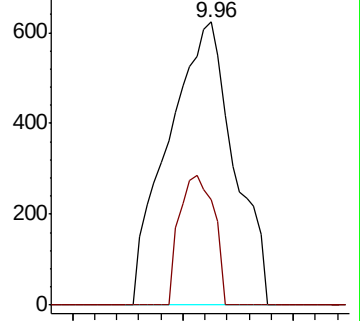
43 100

58 24.4 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 48.917 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062897.D

Acq: 13 Aug 2020 8:23

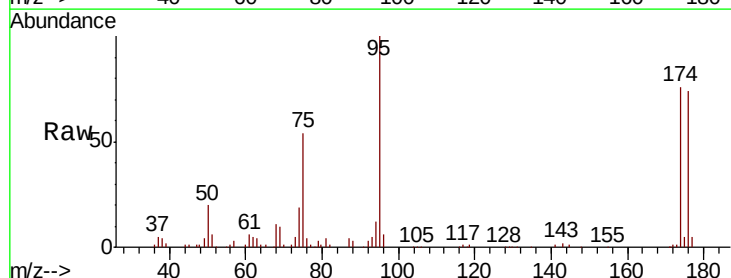
Tgt Ion: 95 Resp: 124168

Ion Ratio Lower Upper

95 100

174 77.4 0.0 144.8

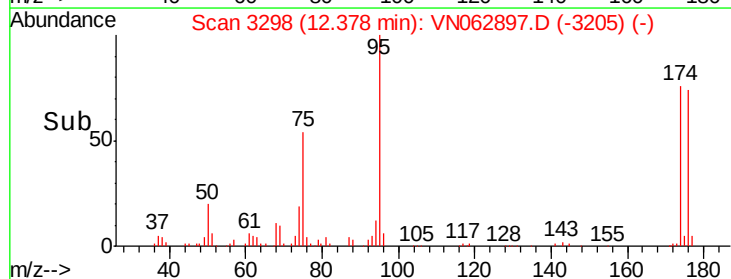
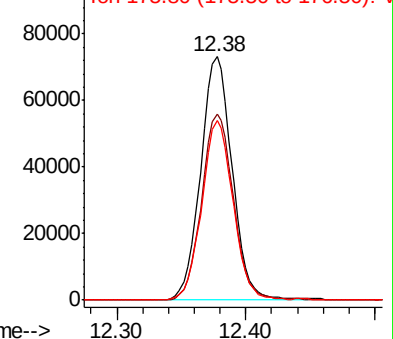
176 73.2 0.0 142.2

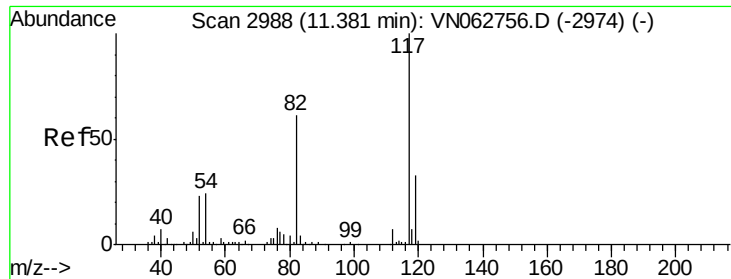


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

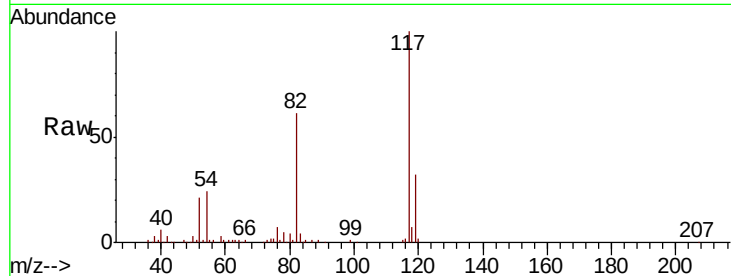




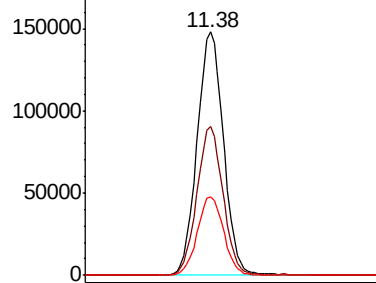
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062897.D
Acq: 13 Aug 2020 8:23

Instrument :
MSVOA_N
ClientSampleId :
BS-STOCK-8

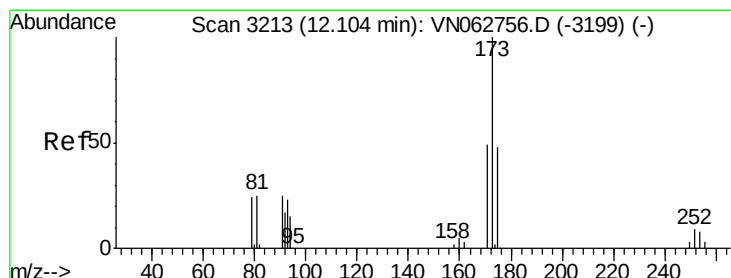
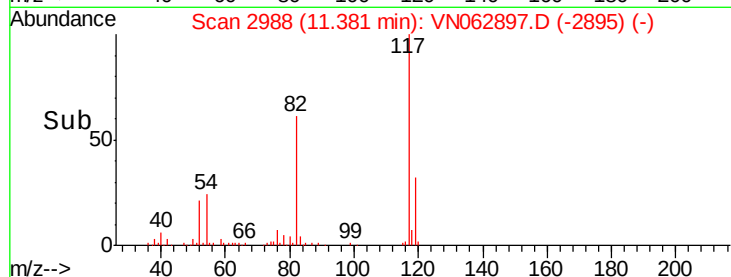
Tot Ion:117 Resp: 255922
Ion Ratio Lower Upper
117 100
82 61.0 49.0 73.4
119 32.5 26.2 39.2



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

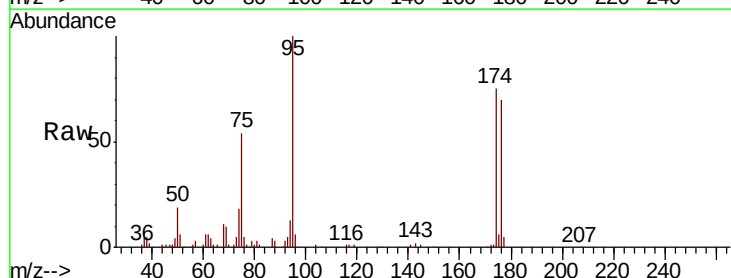


Time-->

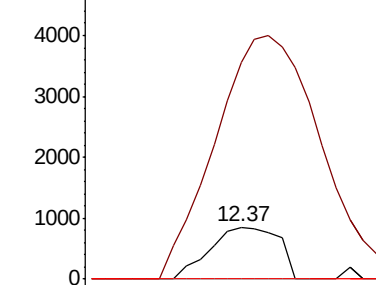


#71
Bromoform
Concen: 0.547 ug/l
RT: 12.37 min Scan# 3296
Delta R.T. 0.27 min
Lab File: VN062897.D
Acq: 13 Aug 2020 8:23

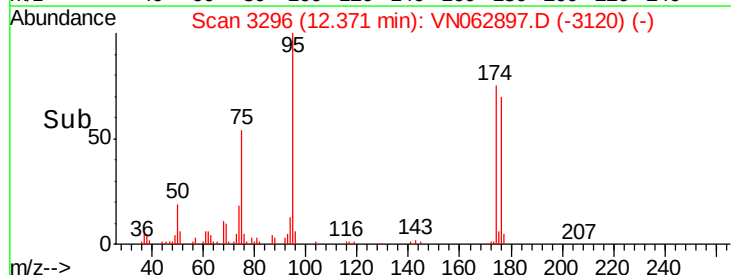
Tgt Ion:173 Resp: 961
Ion Ratio Lower Upper
173 100
175 644.1 24.0 72.0#
254 0.0 0.0 0.0

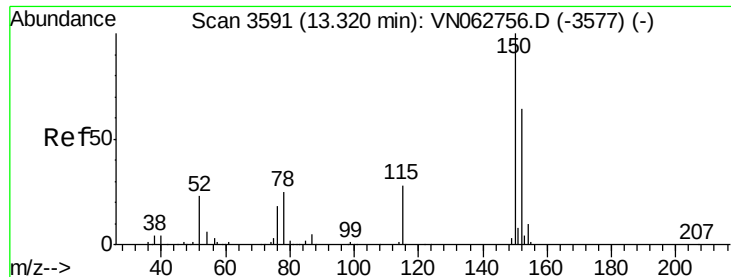


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062897.D

Acq: 13 Aug 2020 8:23

Instrument :

MSVOA_N

ClientSampled :

BS-STOCK-8

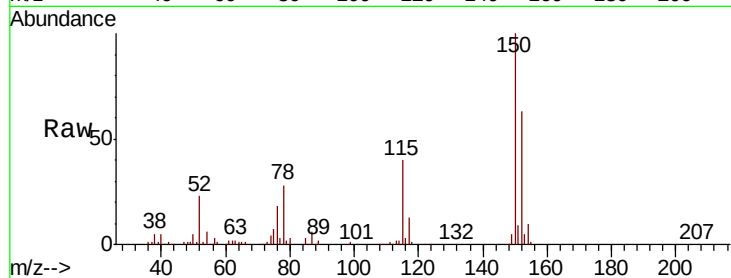
Tot Ion:152 Resp: 103866

Ion Ratio Lower Upper

152 100

115 63.5 31.6 94.8

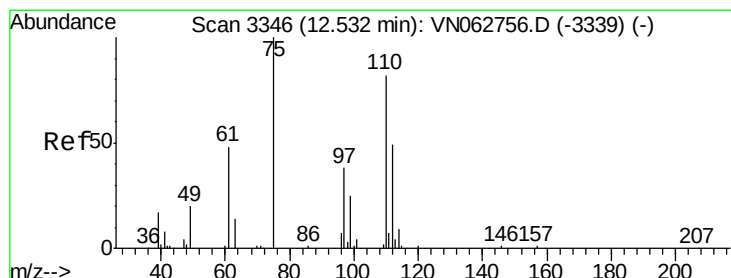
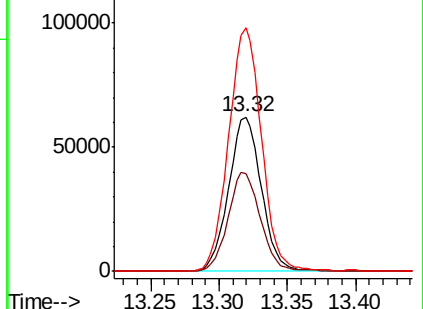
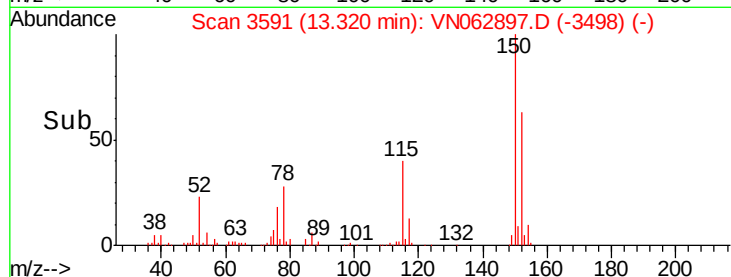
150 158.4 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 23.966 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062897.D

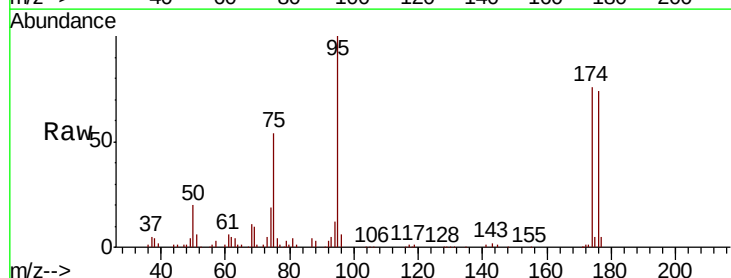
Acq: 13 Aug 2020 8:23

Tgt Ion: 75 Resp: 67131

Ion Ratio Lower Upper

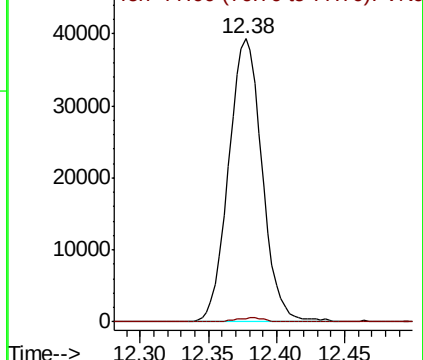
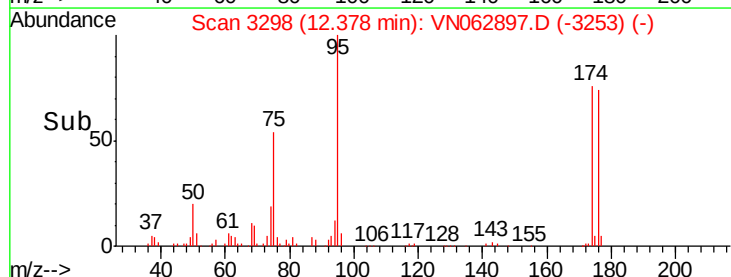
75 100

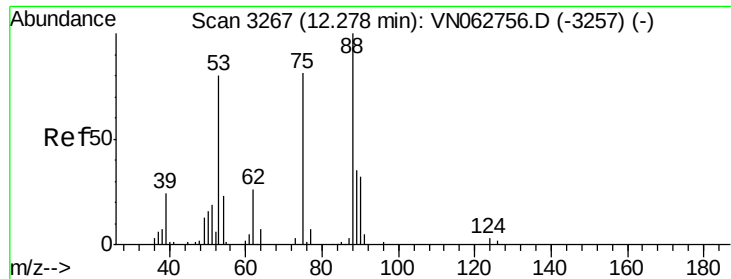
77 1.1 0.0 0.0#



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: 73.160 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062897.D

Acq: 13 Aug 2020 8:23

Instrument :

MSVOA_N

ClientSampleId :

BS-STOCK-8

Tot Ion: 75 Resp: 67131

Ion Ratio Lower Upper

75 100

53 0.0 79.1 118.7#

89 0.0 36.2 54.2#

