

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081220\
 Data File : VN062894.D
 Acq On : 13 Aug 2020 7:10
 Operator : JC/MD
 Sample : L3648-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BS-STOCK-5

Quant Time: Aug 13 07:47:48 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	146082	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	261675	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	267813	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	102051	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	124429	51.51	ug/l	0.00
Spiked Amount			Recovery	=	103.02%	
35) Dibromofluoromethane	7.55	113	91385	51.05	ug/l	0.00
Spiked Amount			Recovery	=	102.10%	
50) Toluene-d8	10.06	98	344437	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
62) 4-Bromofluorobenzene	12.38	95	125183	47.40	ug/l	0.00
Spiked Amount			Recovery	=	94.80%	

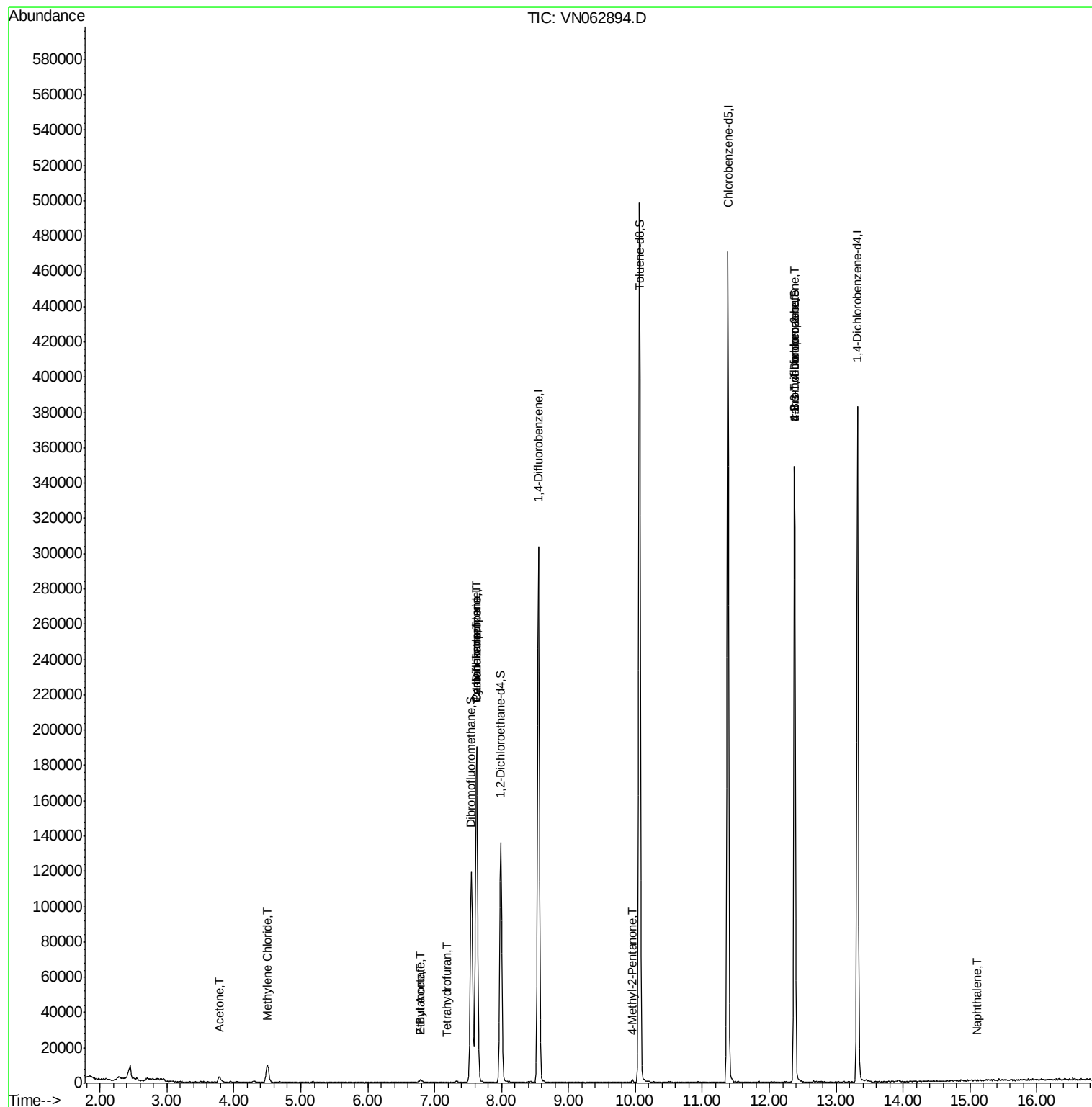
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	5803	6.648	ug/l	90
18) Methyl Acetate	4.29	43	1176	Below Cal	#	52
20) Methylene Chloride	4.49	84	4221	1.911	ug/l	89
25) 2-Butanone	6.80	43	1512	1.223	ug/l #	49
29) Tetrahydrofuran	7.17	42	383	0.477	ug/l #	39
31) Cyclohexane	7.63	56	3630	1.239	ug/l #	22
36) 1,1-Dichloropropene	7.63	75	12843	5.040	ug/l #	49
37) Ethyl Acetate	6.80	43	1512	0.568	ug/l #	67
38) Carbon Tetrachloride	7.63	117	15852	5.260	ug/l #	14
51) 4-Methyl-2-Pentanone	9.95	43	1446	0.503	ug/l #	55
76) 1,2,3-Trichloropropane	12.38	75	67448	24.507	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	67448	74.813	ug/l #	10
95) Naphthalene	15.11	128	176	3.743	ug/l #	68

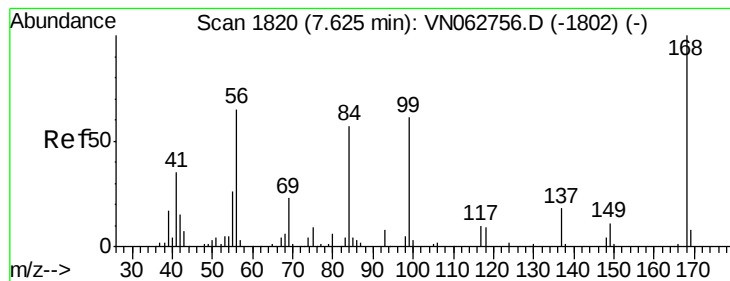
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081220\
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Acq On : 13 Aug 2020 7:10
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MSVOA_N
ClientSampleId :
BS-STOCK-5

Quant Time: Aug 13 07:47:48 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:26:42 2020
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: VN062894.D

Acq: 13 Aug 2020 7:10

Instrument :

MSVOA_N

ClientSampleId :

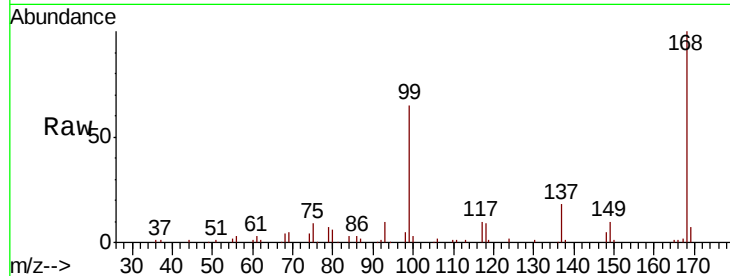
BS-STOCK-5

Tot Ion:168 Resp: 146082

Ion Ratio Lower Upper

168 100

99 64.9 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): VN062756.D (-1802) (-)

Ion 98.90 (98.60 to 99.60): VN062756.D (-1802) (-)

7.63

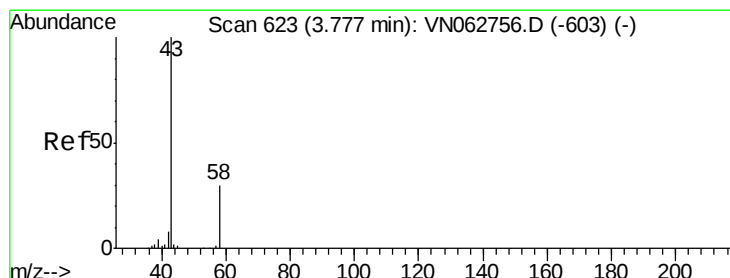
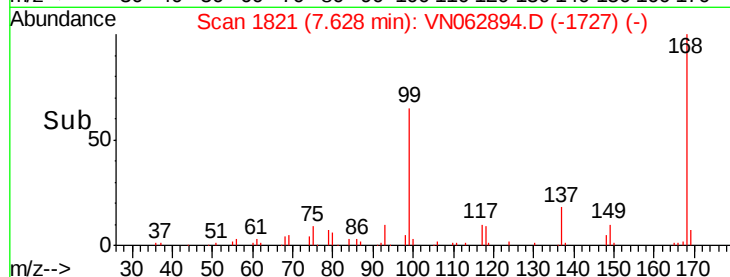
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 6.648 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN062894.D

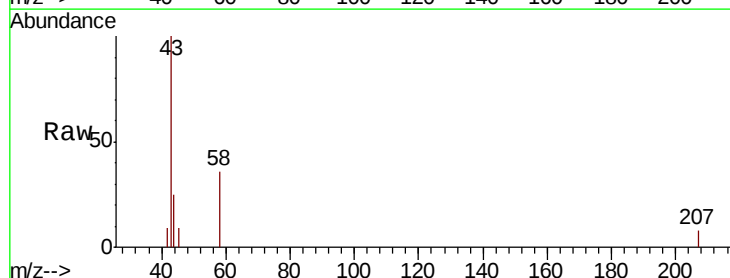
Acq: 13 Aug 2020 7:10

Tgt Ion: 43 Resp: 5803

Ion Ratio Lower Upper

43 100

58 35.7 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VN062756.D (-603) (-)

Ion 58.00 (57.70 to 58.70): VN062756.D (-603) (-)

3.78

2000

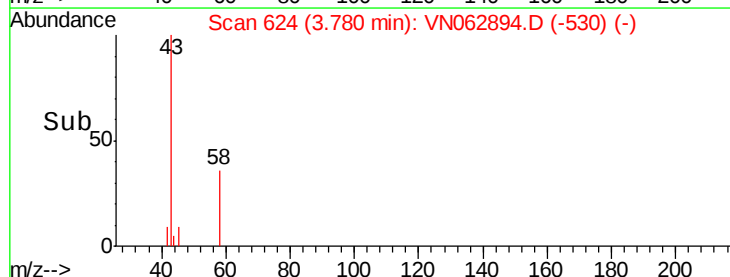
1500

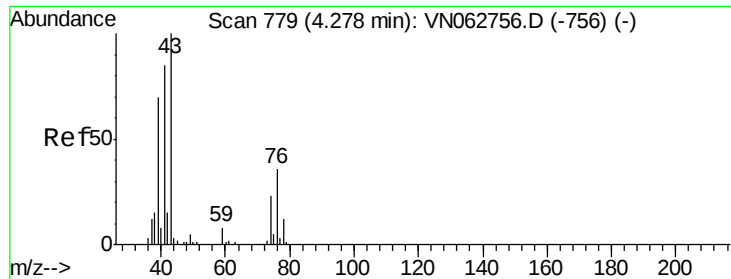
1000

500

0

Time-->

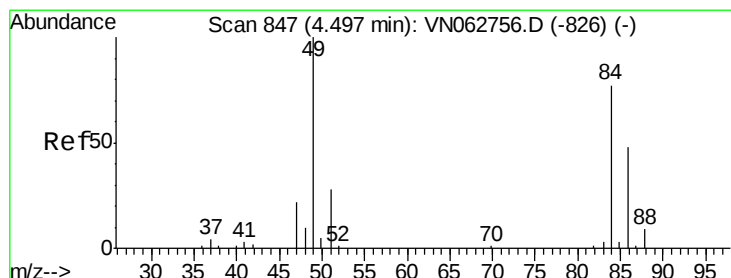
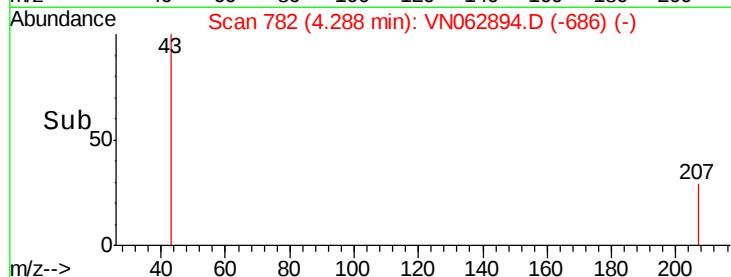
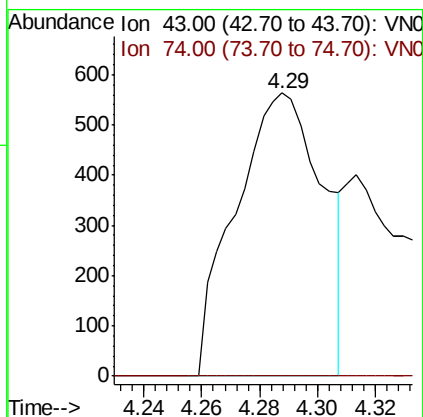
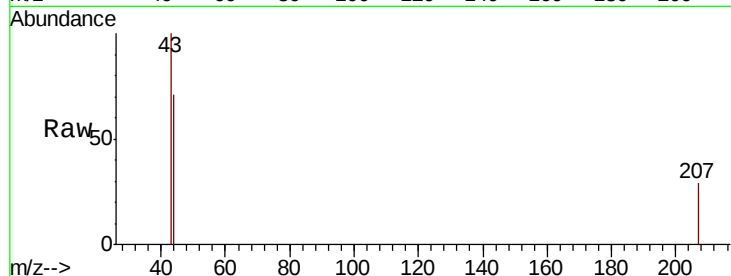




#18
Methyl Acetate
Concen: Below Cal
RT: 4.29 min Scan# 782
Delta R.T. 0.01 min
Lab File: VN062894.D
Acq: 13 Aug 2020 7:10

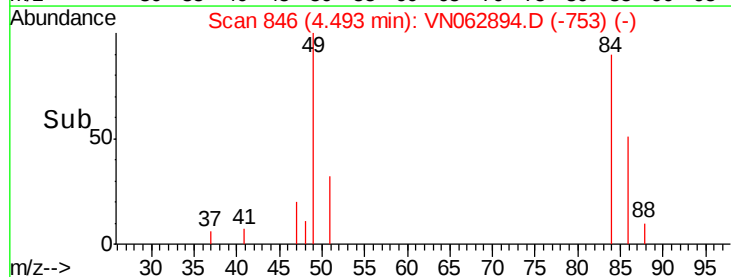
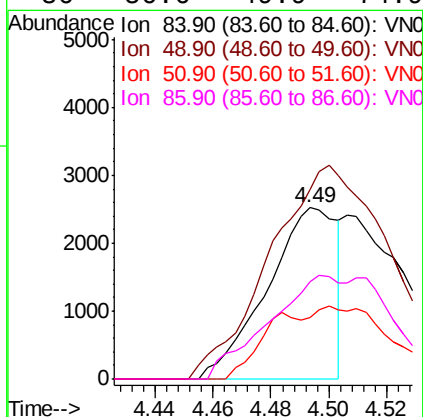
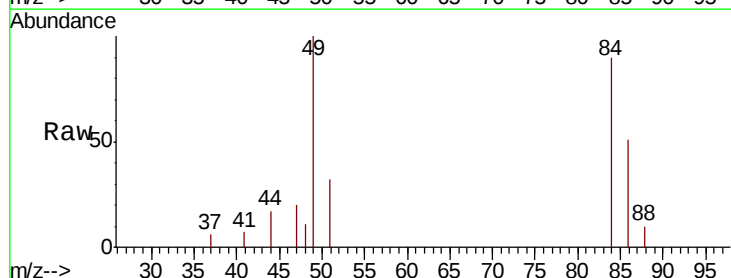
Instrument :
MSVOA_N
ClientSampled :
BS-STOCK-5

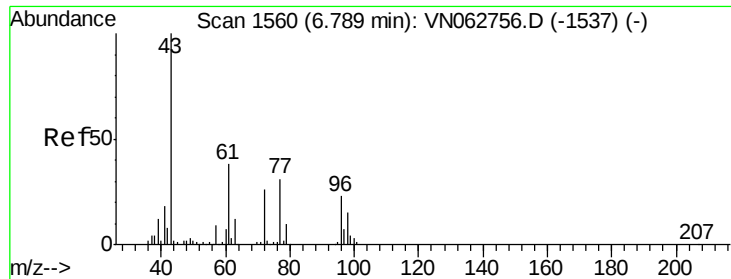
Tot Ion: 43 Resp: 1176
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



#20
Methylene Chloride
Concen: 1.911 ug/l
RT: 4.49 min Scan# 846
Delta R.T. -0.00 min
Lab File: VN062894.D
Acq: 13 Aug 2020 7:10

Tgt Ion: 84 Resp: 4221
Ion Ratio Lower Upper
84 100
49 111.1 103.4 155.2
51 35.8 29.3 43.9
86 56.6 49.9 74.9





#25

2-Butanone

Concen: 1.223 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.01 min

Lab File: VN062894.D

Acq: 13 Aug 2020 7:10

Instrument :

MSVOA_N

ClientSampleId :

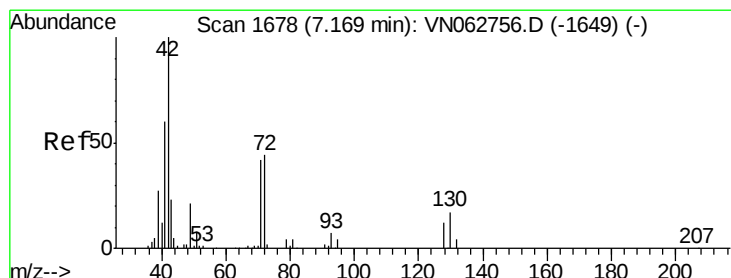
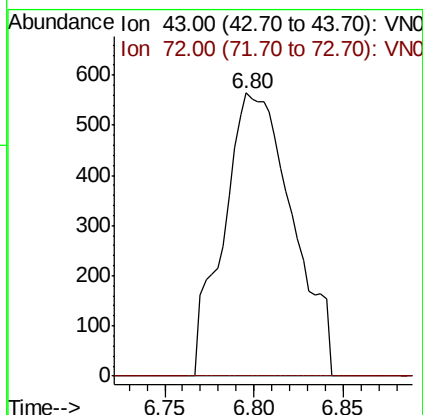
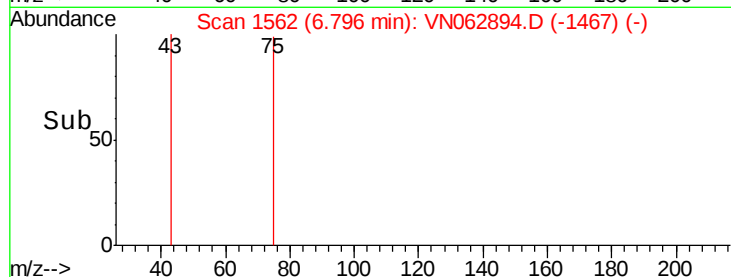
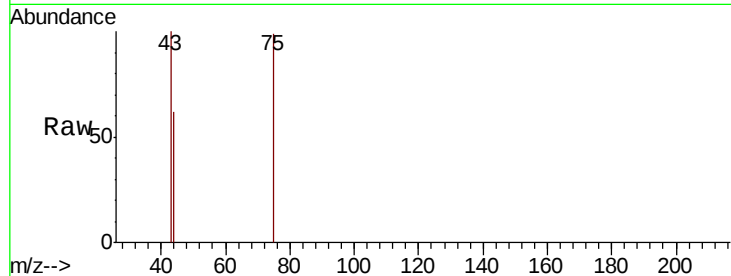
BS-STOCK-5

Tot Ion: 43 Resp: 1512

Ion Ratio Lower Upper

43 100

72 0.0 21.1 31.7#



#29

Tetrahydrofuran

Concen: 0.477 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN062894.D

Acq: 13 Aug 2020 7:10

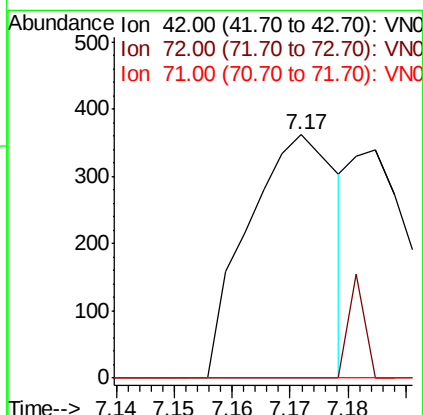
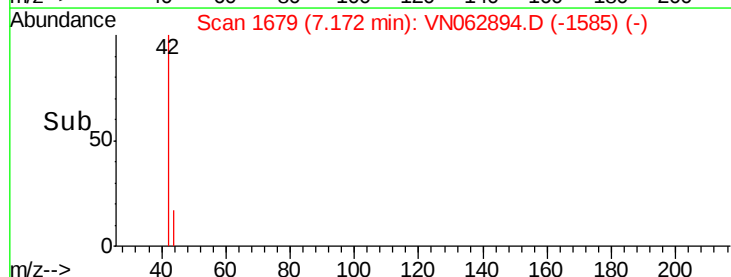
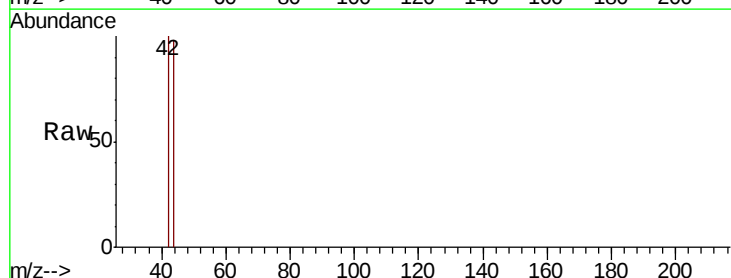
Tgt Ion: 42 Resp: 383

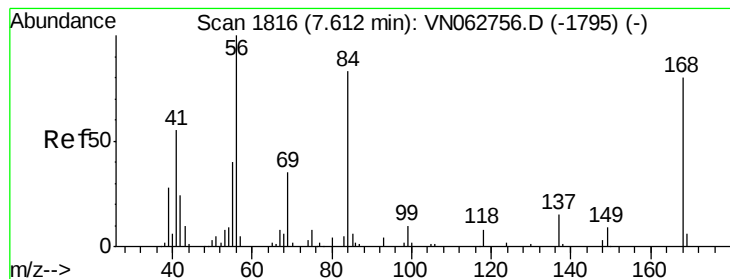
Ion Ratio Lower Upper

42 100

72 7.8 35.0 52.4#

71 0.0 33.2 49.8#





#31

Cyclohexane

Concen: 1.239 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN062894.D

Acq: 13 Aug 2020 7:10

Instrument :

MSVOA_N

ClientSampleId :

BS-STOCK-5

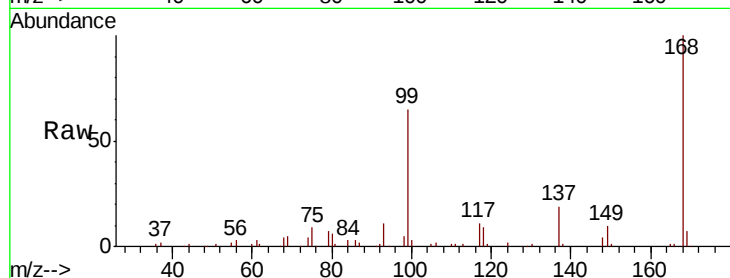
Tot Ion: 56 Resp: 3630

Ion Ratio Lower Upper

56 100

69 170.5 28.1 42.1#

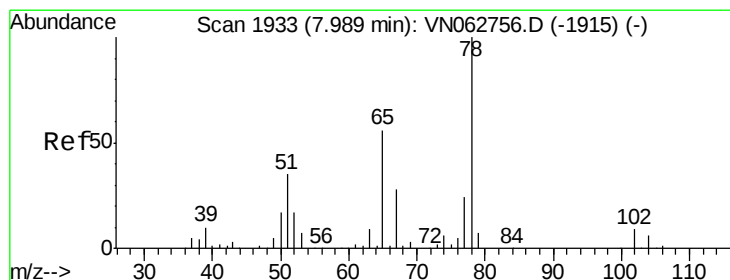
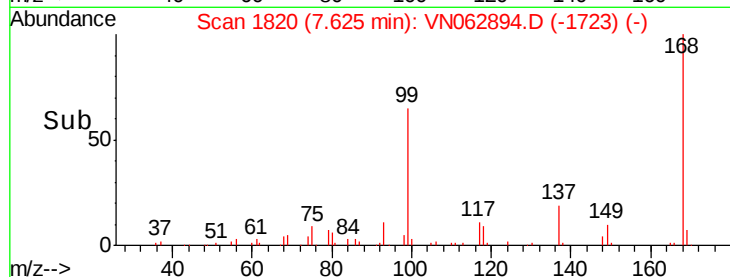
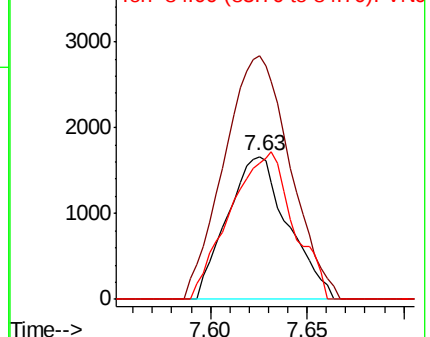
84 95.1 66.8 100.2



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: 51.508 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN062894.D

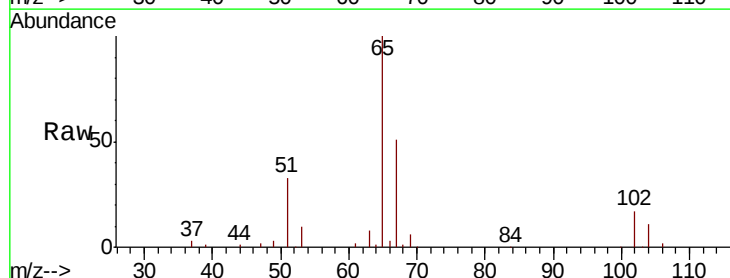
Acq: 13 Aug 2020 7:10

Tgt Ion: 65 Resp: 124429

Ion Ratio Lower Upper

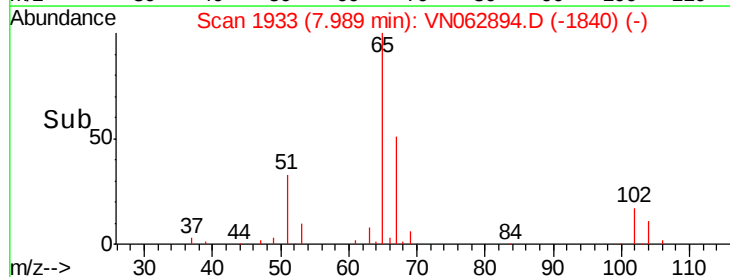
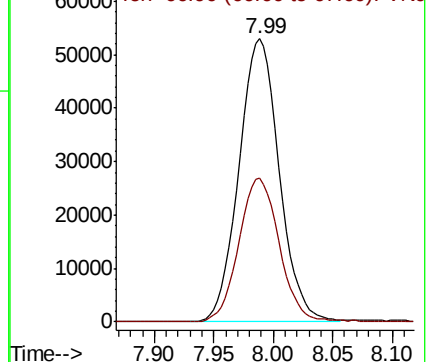
65 100

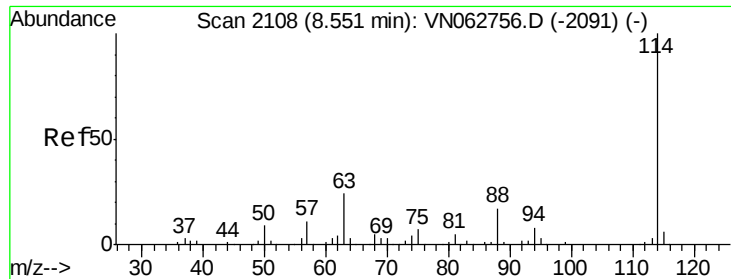
67 50.8 0.0 101.4



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: VN062894.D

Acq: 13 Aug 2020 7:10

Instrument :

MSVOA_N

ClientSampleId :

BS-STOCK-5

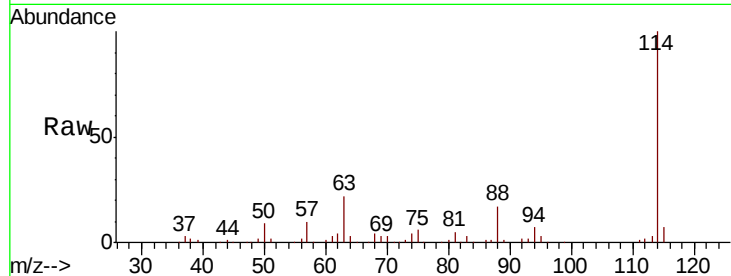
Tot Ion:114 Resp: 261675

Ion Ratio Lower Upper

114 100

63 22.4 0.0 47.6

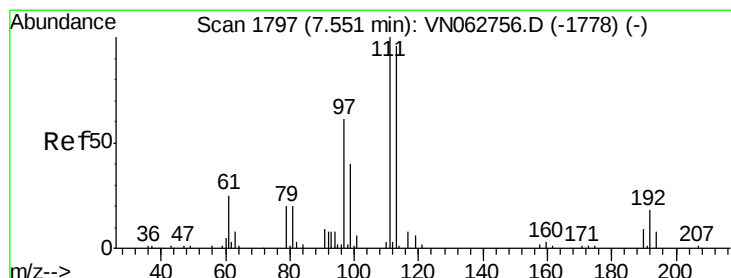
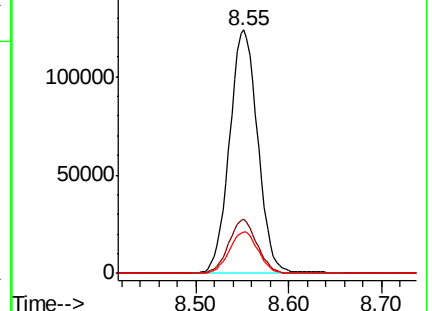
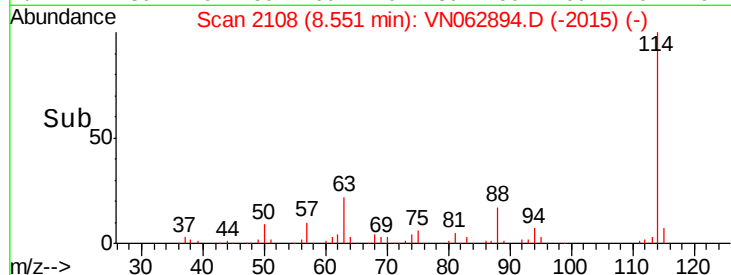
88 17.2 0.0 34.4



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: 51.053 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN062894.D

Acq: 13 Aug 2020 7:10

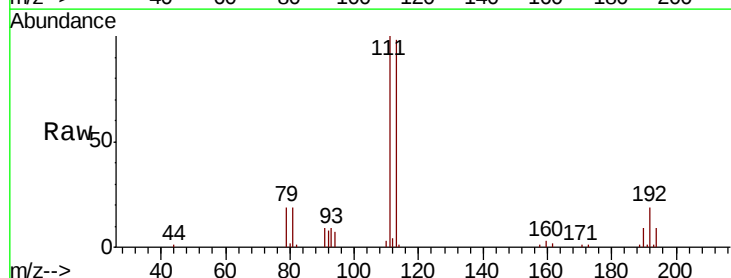
Tgt Ion:113 Resp: 91385

Ion Ratio Lower Upper

113 100

111 103.2 81.8 122.6

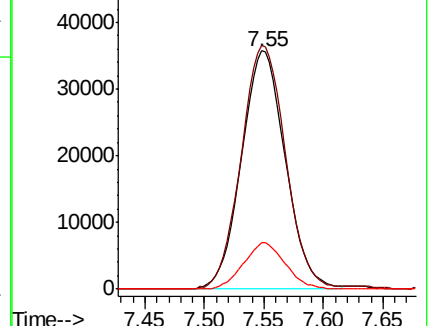
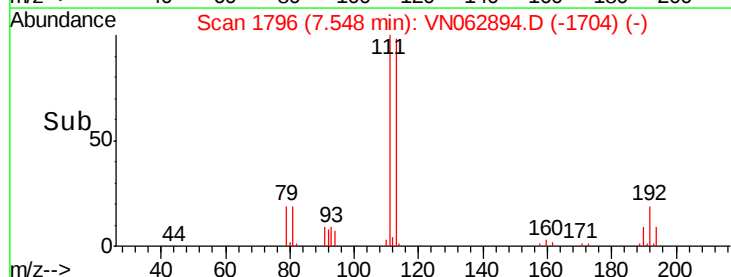
192 18.4 15.0 22.4

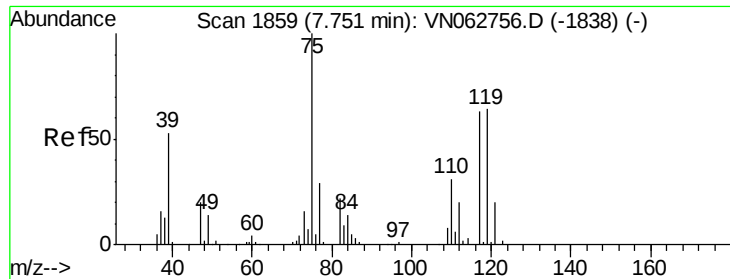


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.040 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.13 min

Lab File: VN062894.D

Acq: 13 Aug 2020 7:10

Instrument :

MSVOA_N

ClientSampled :

BS-STOCK-5

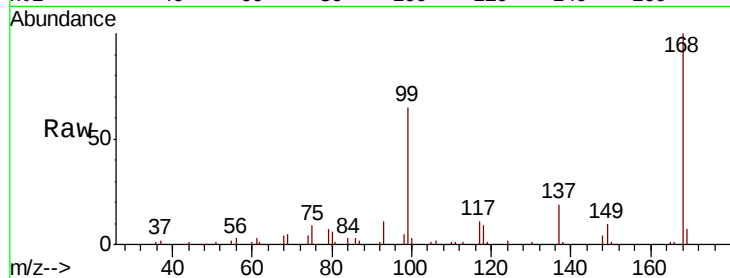
Tot Ion: 75 Resp: 12843

Ion Ratio Lower Upper

75 100

110 5.3 15.6 46.7#

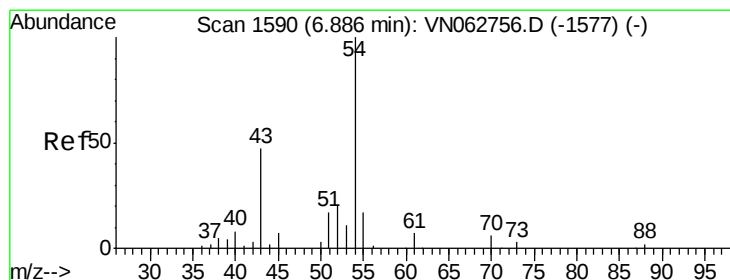
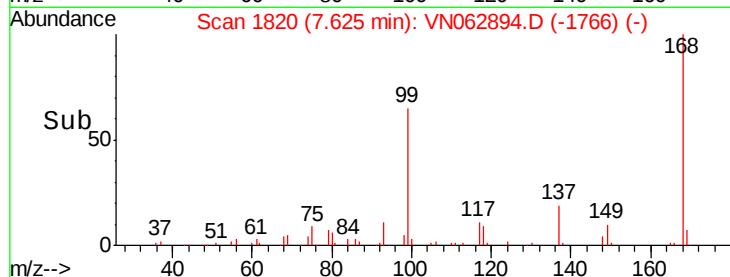
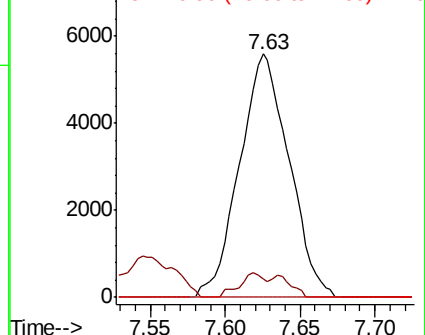
77 0.0 24.1 36.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#37

Ethyl Acetate

Concen: 0.568 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.09 min

Lab File: VN062894.D

Acq: 13 Aug 2020 7:10

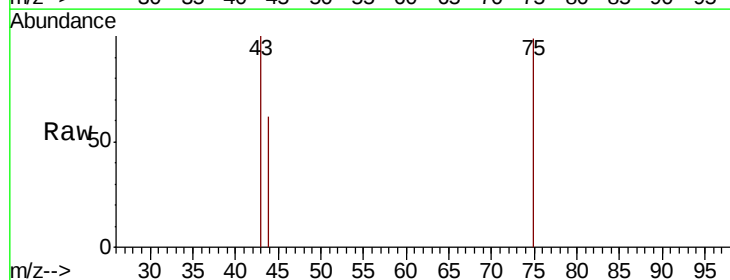
Tgt Ion: 43 Resp: 1512

Ion Ratio Lower Upper

43 100

61 0.0 12.1 18.1#

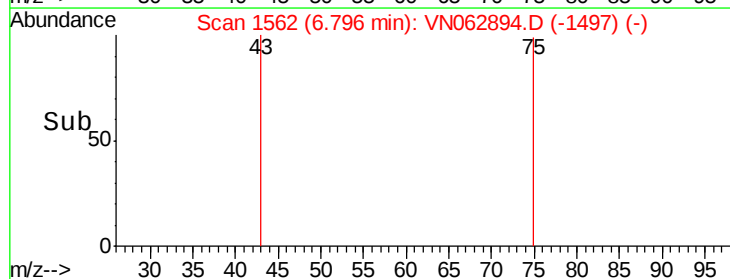
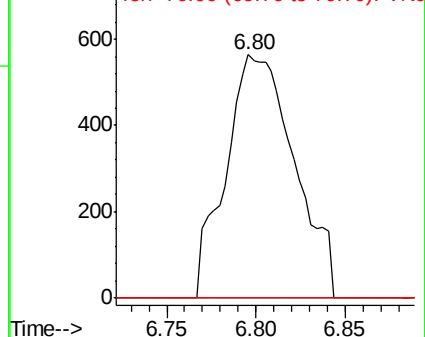
70 0.0 8.3 12.5#

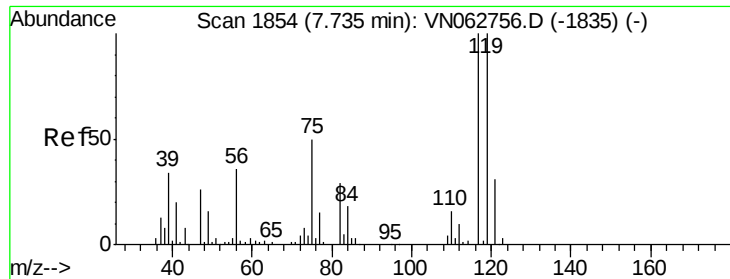


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0

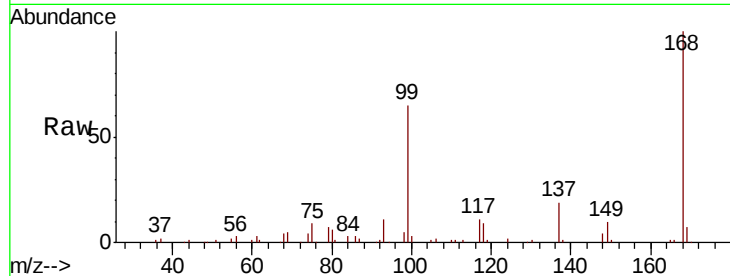




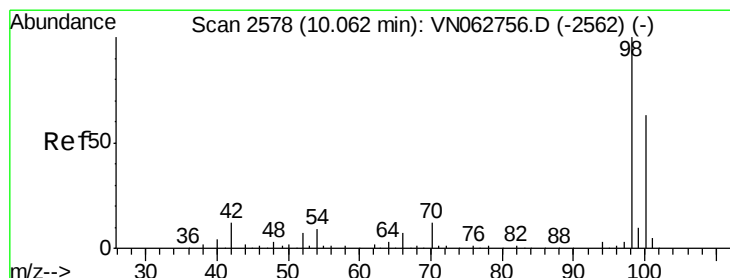
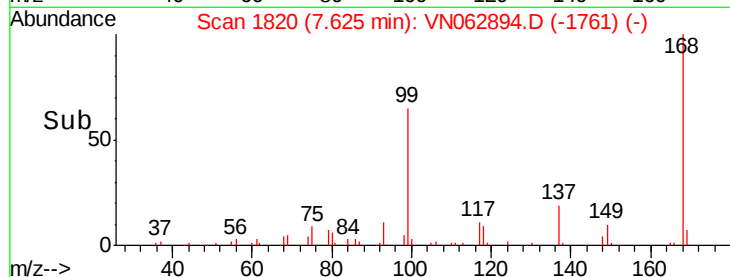
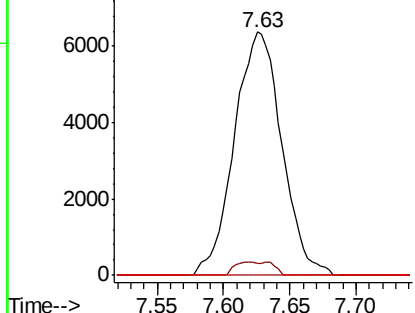
#38
Carbon Tetrachloride
Concen: 5.260 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.11 min
Lab File: VN062894.D
Acq: 13 Aug 2020 7:10

Instrument :
MSVOA_N
ClientSampleId :
BS-STOCK-5

Tot Ion:117 Resp: 15852
Ion Ratio Lower Upper
117 100
119 4.8 79.4 119.2#
121 0.0 24.9 37.3#

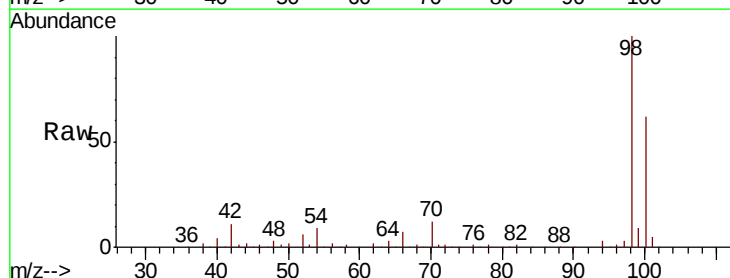


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

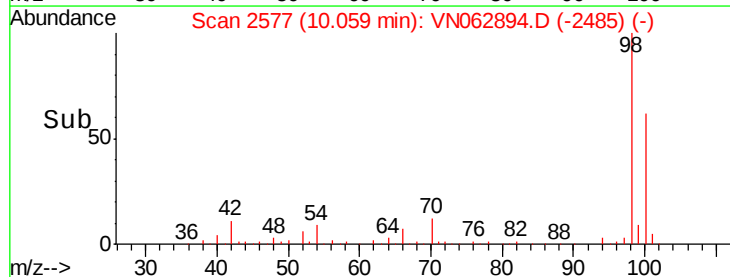
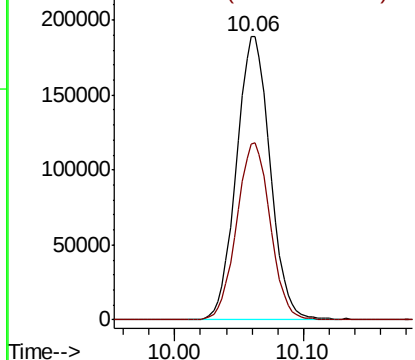


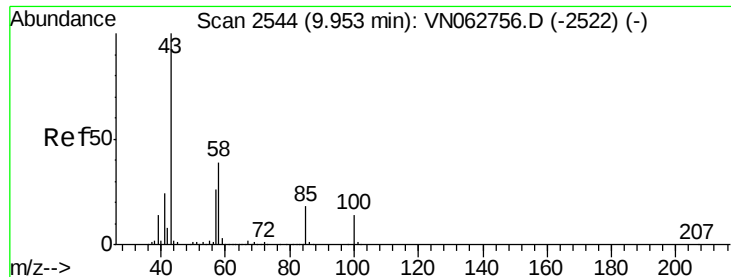
#50
Toluene-d8
Concen: 49.288 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062894.D
Acq: 13 Aug 2020 7:10

Tgt Ion: 98 Resp: 344437
Ion Ratio Lower Upper
98 100
100 62.4 50.9 76.3



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





#51

4-Methyl-2-Pentanone

Concen: 0.503 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062894.D

Acq: 13 Aug 2020 7:10

Instrument :

MSVOA_N

ClientSampleId :

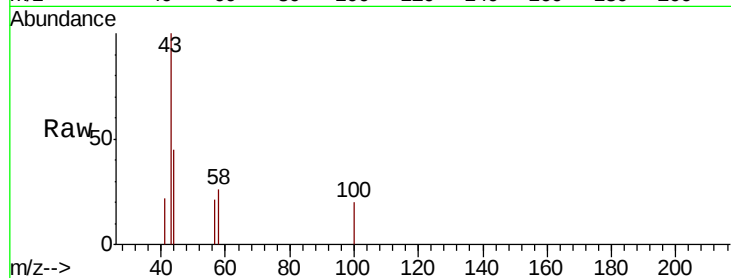
BS-STOCK-5

Tot Ion: 43 Resp: 1446

Ion Ratio Lower Upper

43 100

58 11.6 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VN062756.D (-2522) (-)

Ion 58.00 (57.70 to 58.70): VN062756.D (-2522) (-)

9.95

800

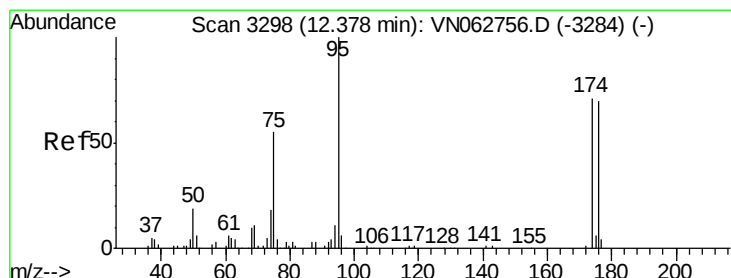
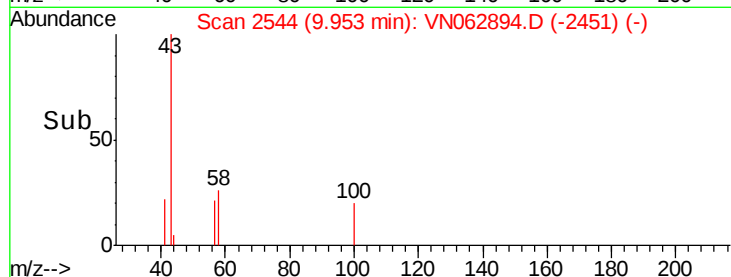
600

400

200

0

Time--> 9.90 9.95



#62

4-Bromofluorobenzene

Concen: 47.402 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062894.D

Acq: 13 Aug 2020 7:10

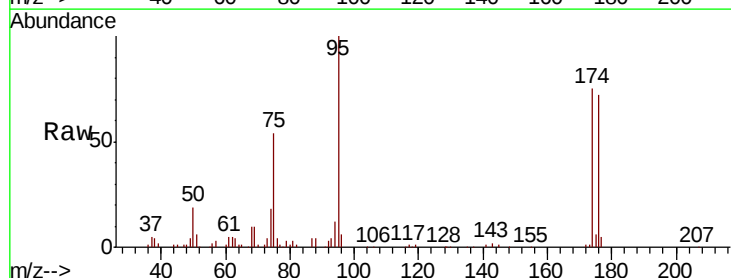
Tgt Ion: 95 Resp: 125183

Ion Ratio Lower Upper

95 100

174 75.7 0.0 144.8

176 72.9 0.0 142.2



Abundance Ion 94.90 (94.60 to 95.60): VN062756.D (-3284) (-)

Ion 173.80 (173.50 to 174.50): VN062756.D (-3284) (-)

Ion 175.80 (175.50 to 176.50): VN062756.D (-3284) (-)

12.38

80000

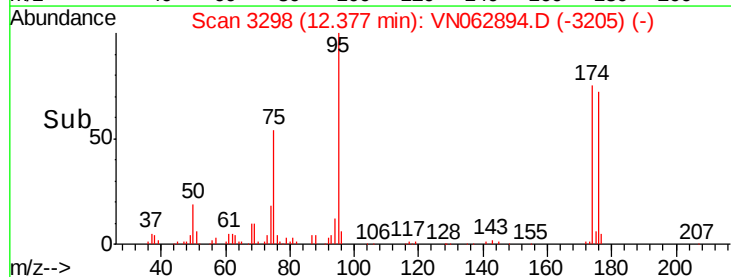
60000

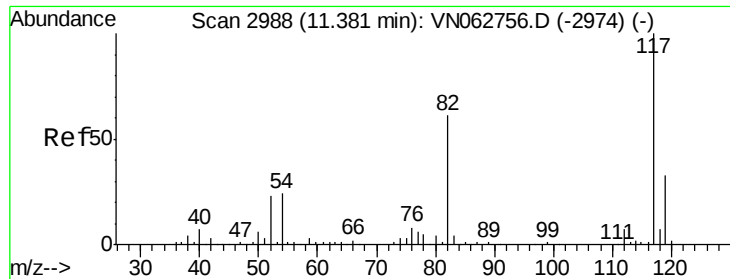
40000

20000

0

Time--> 12.30 12.40





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062894.D

Acq: 13 Aug 2020 7:10

Instrument :

MSVOA_N

ClientSampleId :

BS-STOCK-5

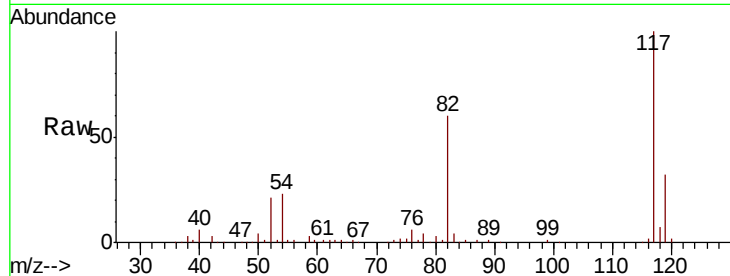
Tot Ion:117 Resp: 267813

Ion Ratio Lower Upper

117 100

82 60.4 49.0 73.4

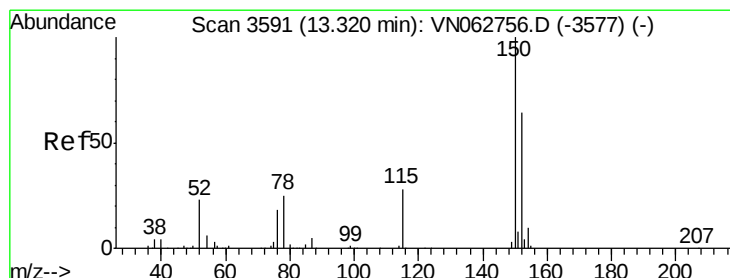
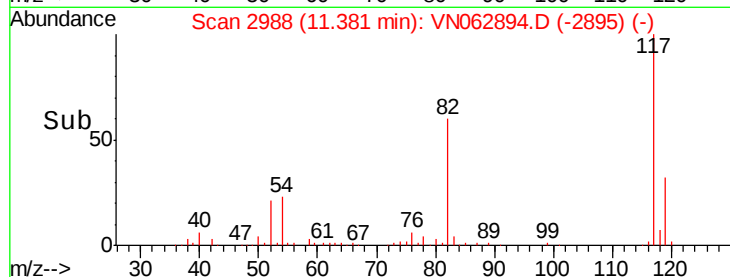
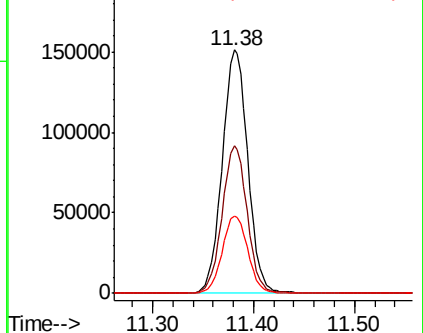
119 31.8 26.2 39.2



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN062894.D

Acq: 13 Aug 2020 7:10

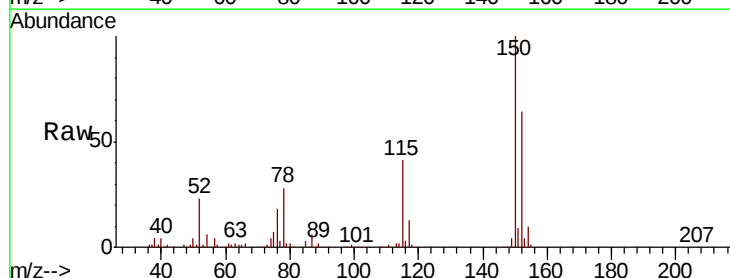
Tgt Ion:152 Resp: 102051

Ion Ratio Lower Upper

152 100

115 63.0 31.6 94.8

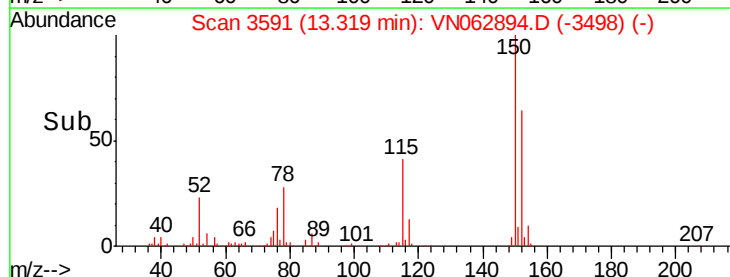
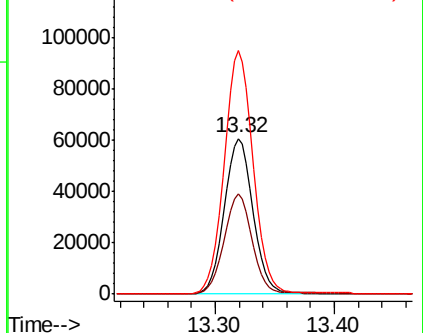
150 157.7 0.0 349.2

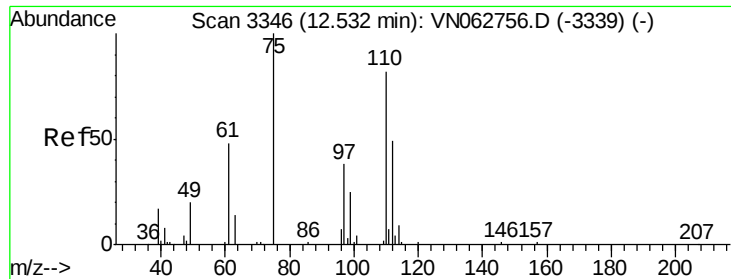


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

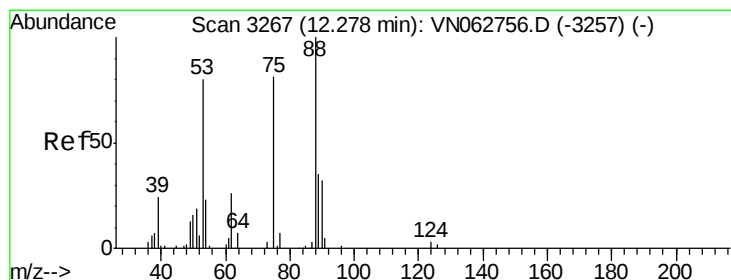
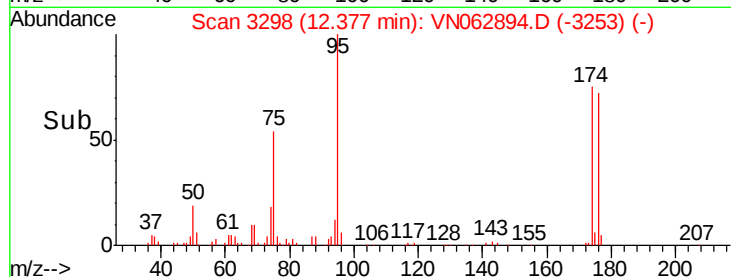
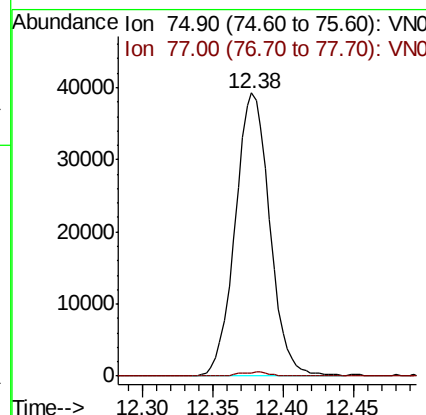
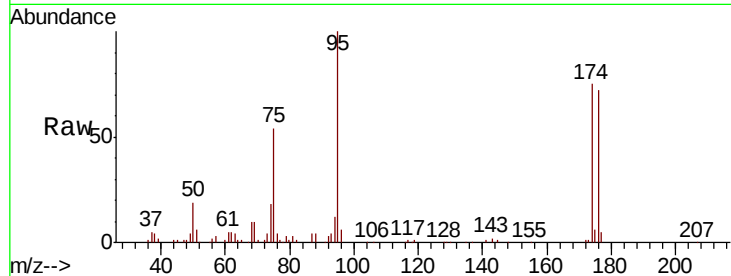




#76
 1,2,3-Trichloropropane
 Concen: 24.507 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062894.D
 Acq: 13 Aug 2020 7:10

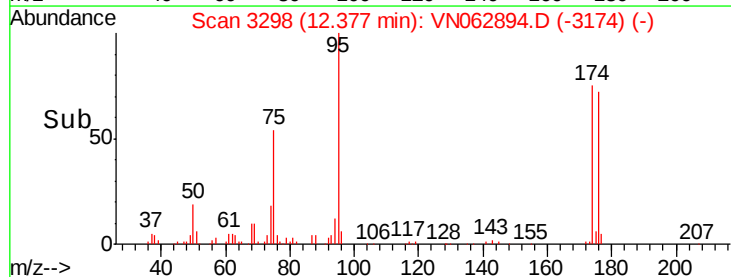
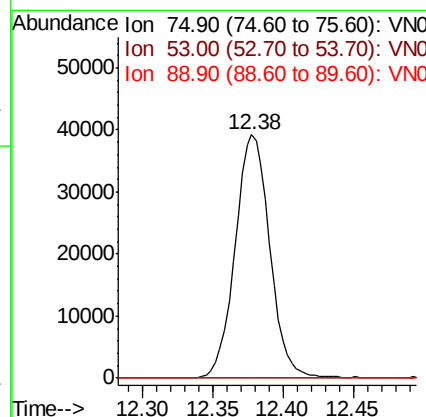
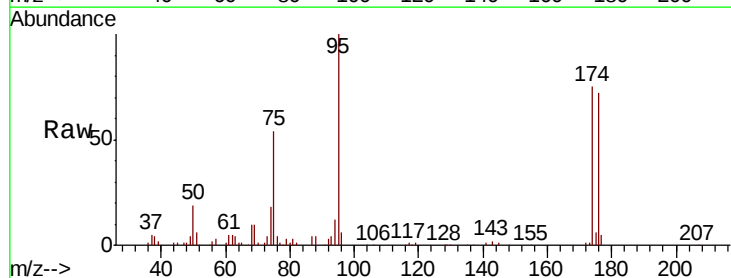
Instrument :
 MSVOA_N
 ClientSampleId :
 BS-STOCK-5

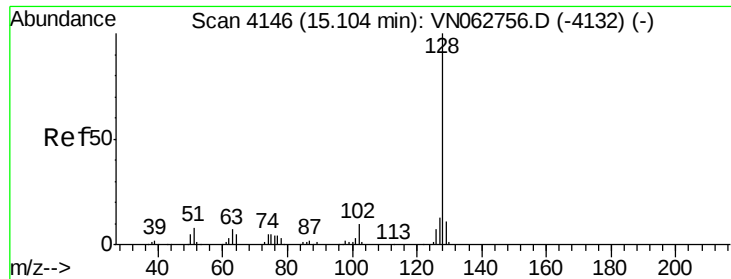
Tot Ion: 75 Resp: 67448
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.813 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062894.D
 Acq: 13 Aug 2020 7:10

Tgt Ion: 75 Resp: 67448
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.1 118.7#
 89 0.0 36.2 54.2#





#95

Naphthalene

Concen: 3.743 ug/l

RT: 15.11 min Scan# 4149

Delta R.T. 0.01 min

Lab File: VN062894.D

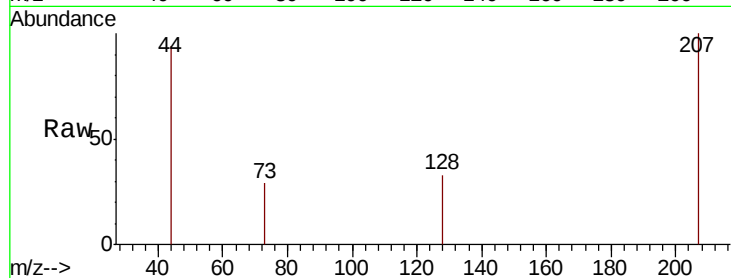
Acq: 13 Aug 2020 7:10

Instrument :

MSVOA_N

ClientSampleId :

BS-STOCK-5



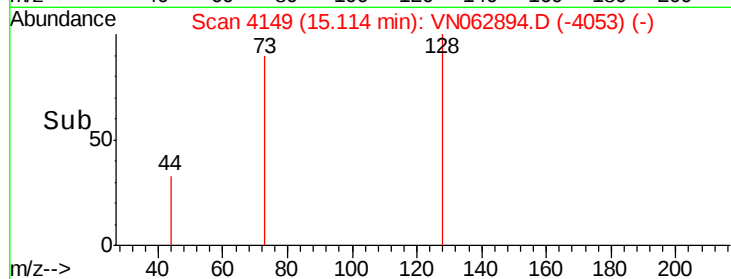
Tot Ion:128 Resp: 176

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

129 0.0 8.8 13.2#



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

250

200

150

100

50

0

15.10 15.11 15.12

Time-->