

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081220\
 Data File : VN062896.D
 Acq On : 13 Aug 2020 7:59
 Operator : JC/MD
 Sample : L3648-13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BS-STOCK-7

Quant Time: Aug 13 08:22:43 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	130907	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	234322	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	240125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	95569	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	113629	52.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.98%	
35) Dibromofluoromethane	7.55	113	82213	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	
50) Toluene-d8	10.06	98	304990	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
62) 4-Bromofluorobenzene	12.38	95	116258	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	

Target Compounds

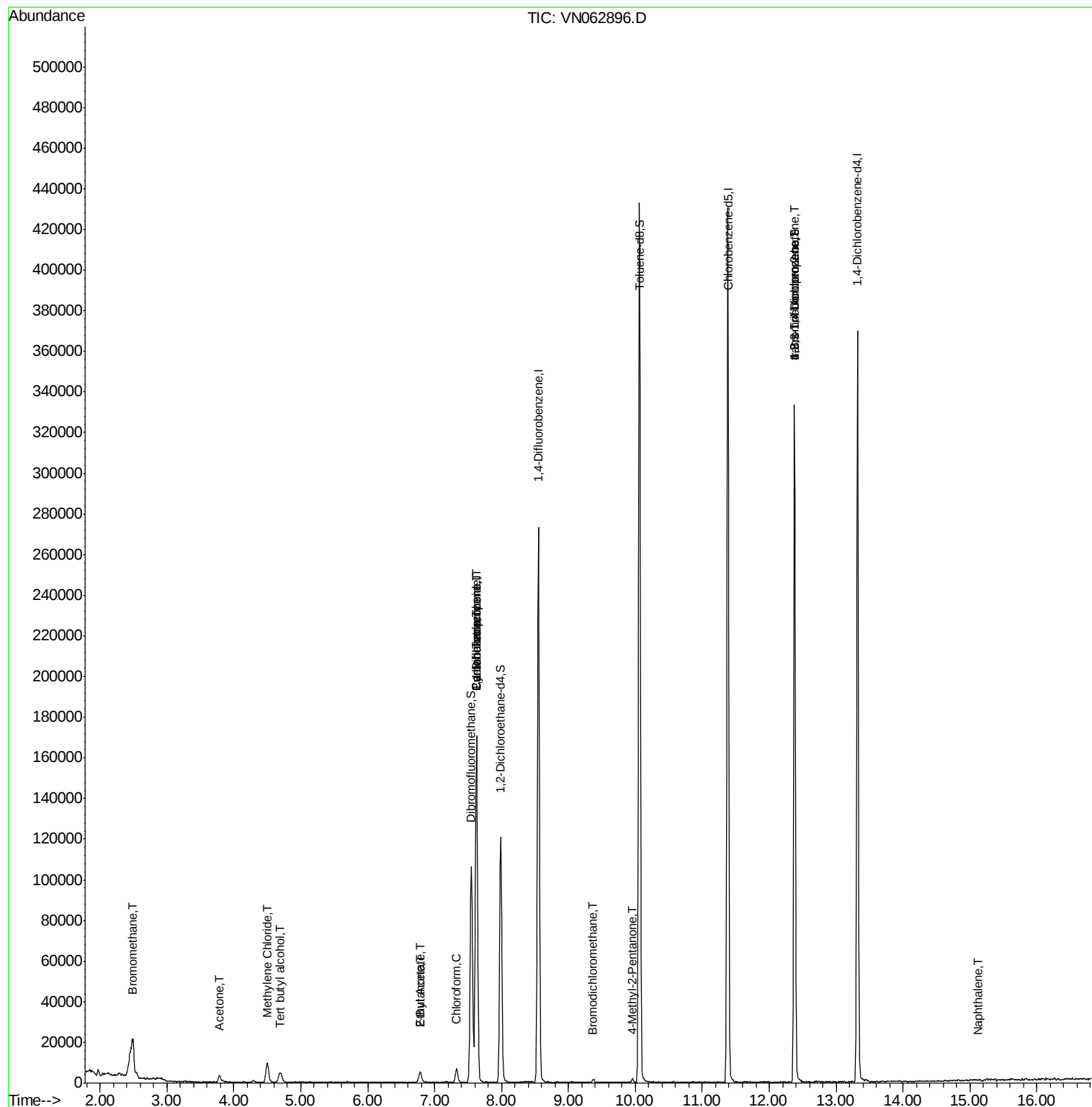
					Qvalue	
5) Bromomethane	2.49	94	245	0.223	ug/l #	69
11) Tert butyl alcohol	4.69	59	5323	15.003	ug/l #	72
16) Acetone	3.79	43	5575	7.127	ug/l	98
17) Carbon Disulfide	3.99	76	30	Below Cal	#	74
18) Methyl Acetate	4.28	43	2008	Below Cal	#	69
20) Methylene Chloride	4.50	84	7477	4.532	ug/l	94
25) 2-Butanone	6.80	43	1859	1.678	ug/l #	49
30) Chloroform	7.33	83	7946	2.615	ug/l	89
31) Cyclohexane	7.63	56	3021	1.151	ug/l #	2
36) 1,1-Dichloropropene	7.62	75	11143	4.884	ug/l #	52
37) Ethyl Acetate	6.80	43	1859	0.780	ug/l #	72
38) Carbon Tetrachloride	7.63	117	14386	5.331	ug/l #	14
47) Bromodichloromethane	9.36	83	810	0.299	ug/l #	88
51) 4-Methyl-2-Pentanone	9.95	43	1755	0.682	ug/l	88
76) 1,2,3-Trichloropropane	12.38	75	61843	23.994	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	61843	73.248	ug/l #	10
95) Naphthalene	15.11	128	271	3.765	ug/l #	68

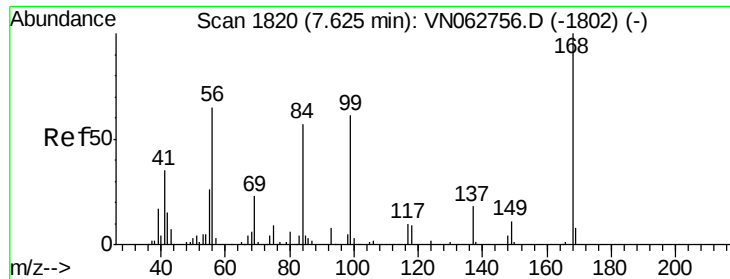
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062896.D

Acq: 13 Aug 2020 7:59

Instrument :

MSVOA_N

ClientSampleId :

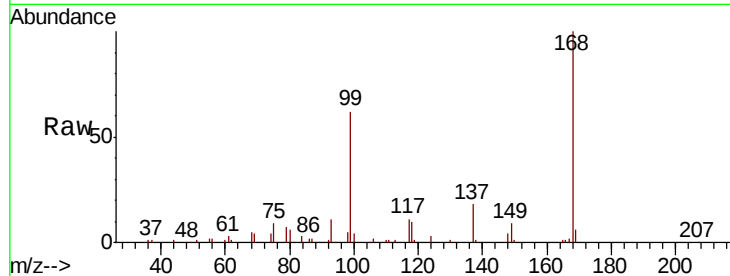
BS-STOCK-7

Tot Ion:168 Resp: 130907

Ion Ratio Lower Upper

168 100

99 61.9 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

50000

40000

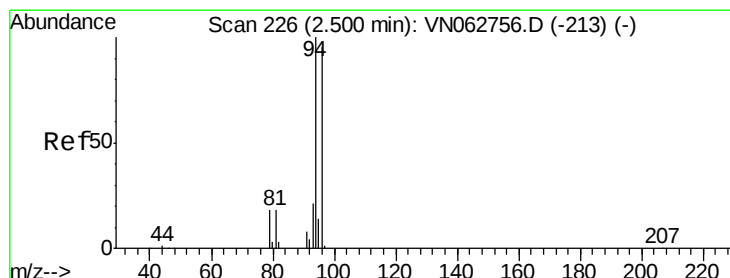
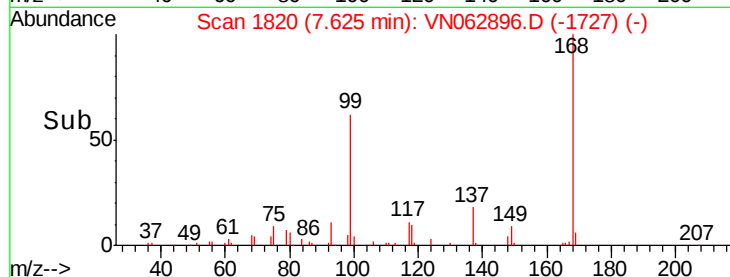
30000

20000

10000

0

Time--> 7.50 7.60 7.70



#5

Bromomethane

Concen: 0.223 ug/l

RT: 2.49 min Scan# 224

Delta R.T. -0.01 min

Lab File: VN062896.D

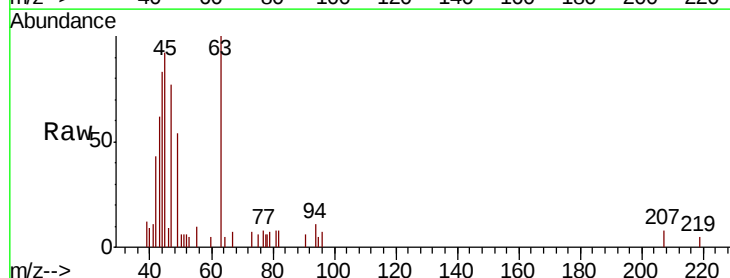
Acq: 13 Aug 2020 7:59

Tgt Ion: 94 Resp: 245

Ion Ratio Lower Upper

94 100

96 65.2 76.2 114.4#



Abundance Ion 93.90 (93.60 to 94.60): VN062756.D (-213) (-)

Ion 95.90 (95.60 to 96.60): VN062756.D (-213) (-)

2.49

400

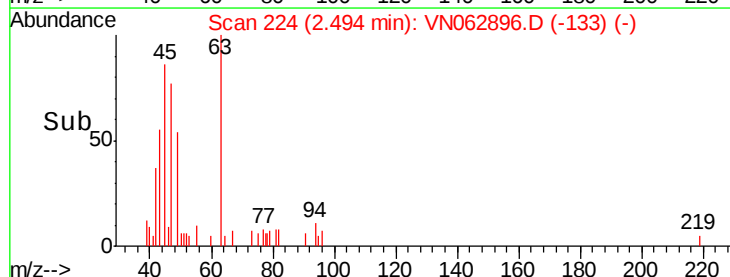
300

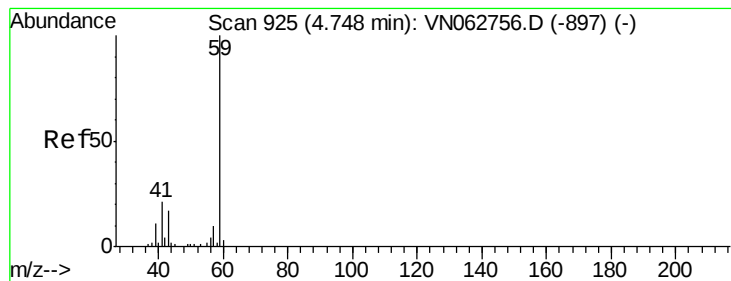
200

100

0

Time--> 2.48 2.49 2.50 2.51



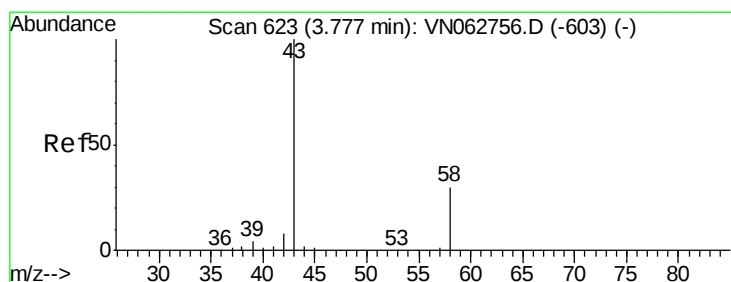
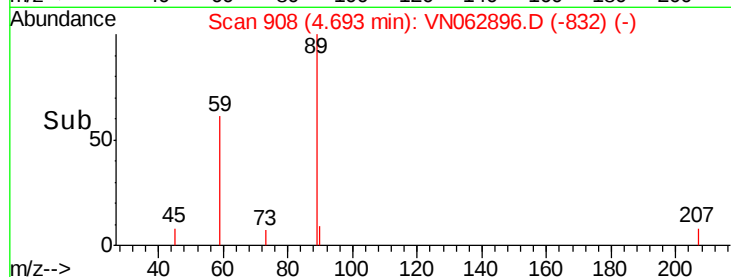
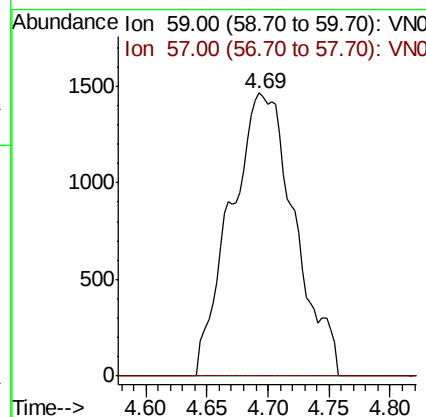
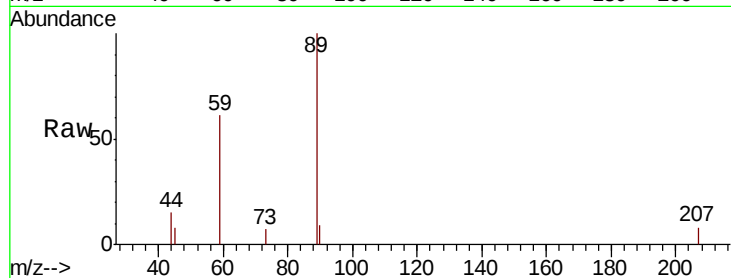


#11

Tert butyl alcohol
 Concen: 15.003 ug/l
 RT: 4.69 min Scan# 908
 Delta R.T. -0.05 min
 Lab File: VN062896.D
 Acq: 13 Aug 2020 7:59

Instrument :
 MSVOA_N
 ClientSampled :
 BS-STOCK-7

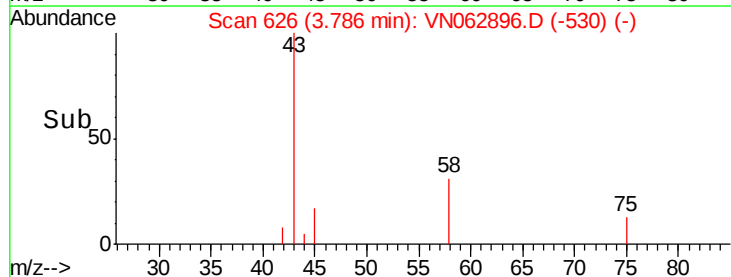
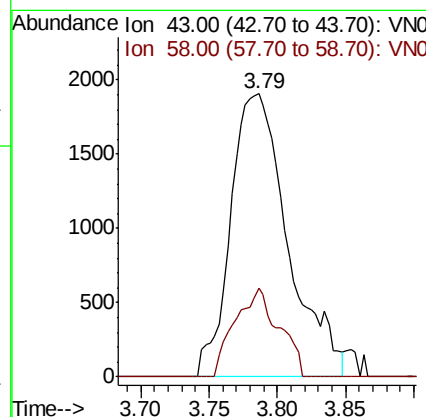
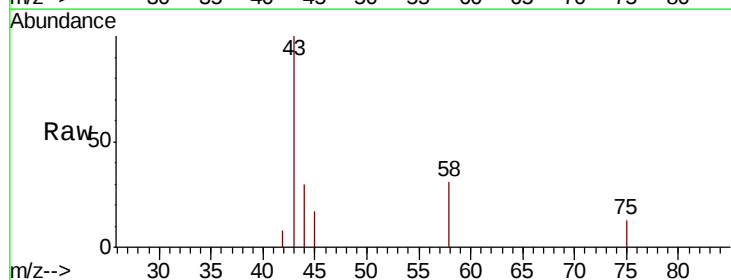
Tot Ion: 59 Resp: 5323
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

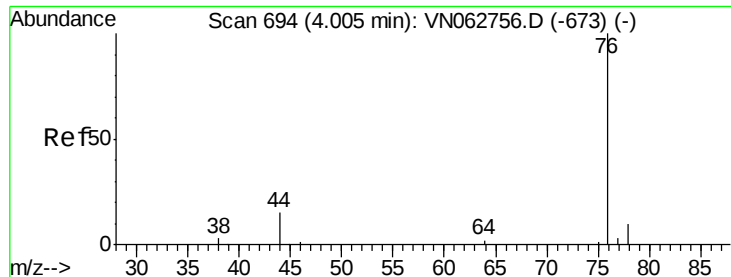


#16

Acetone
 Concen: 7.127 ug/l
 RT: 3.79 min Scan# 626
 Delta R.T. 0.01 min
 Lab File: VN062896.D
 Acq: 13 Aug 2020 7:59

Tgt Ion: 43 Resp: 5575
 Ion Ratio Lower Upper
 43 100
 58 31.4 24.1 36.1

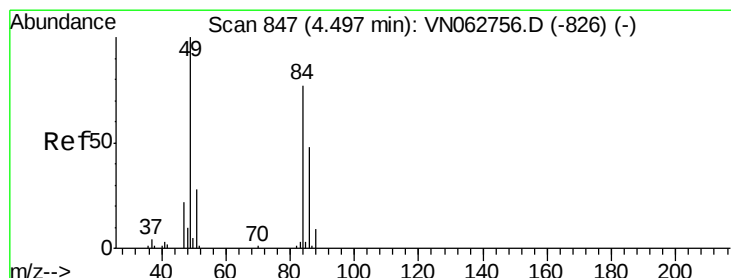
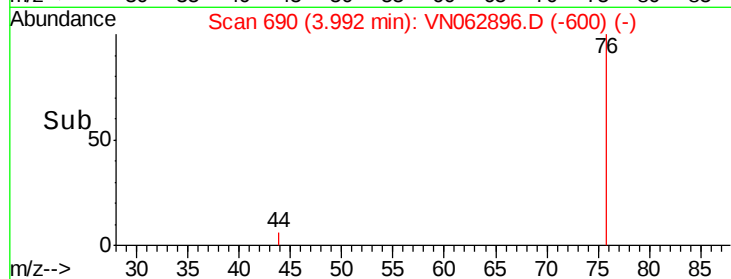
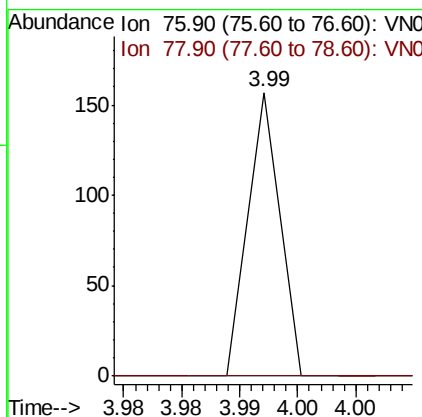
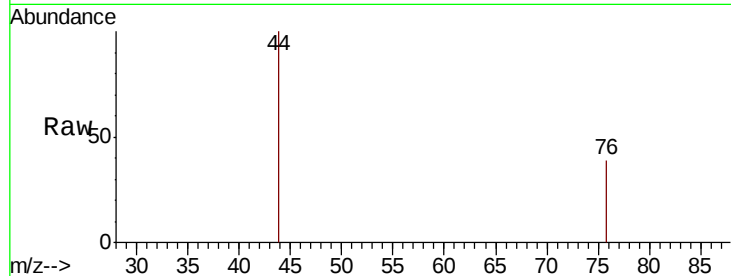




#17
Carbon Disulfide
Concen: Below Cal
RT: 3.99 min Scan# 690
Delta R.T. -0.01 min
Lab File: VN062896.D
Acq: 13 Aug 2020 7:59

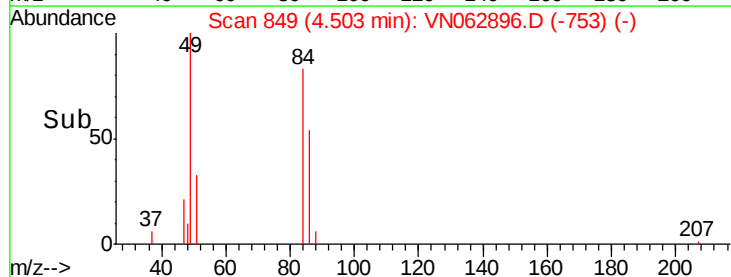
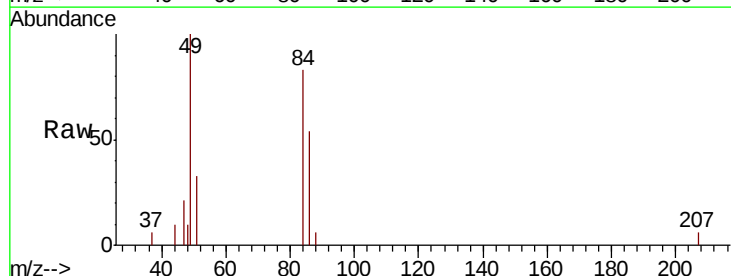
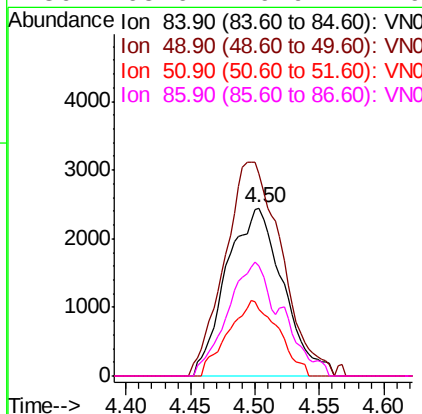
Instrument :
MSVOA_N
ClientSampleId :
BS-STOCK-7

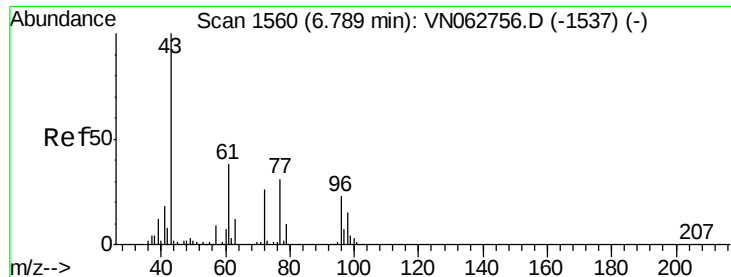
Tot Ion: 76 Resp: 30
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#



#20
Methylene Chloride
Concen: 4.532 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.01 min
Lab File: VN062896.D
Acq: 13 Aug 2020 7:59

Tgt Ion: 84 Resp: 7477
Ion Ratio Lower Upper
84 100
49 120.6 103.4 155.2
51 39.4 29.3 43.9
86 65.6 49.9 74.9





#25

2-Butanone

Concen: 1.678 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.01 min

Lab File: VN062896.D

Acq: 13 Aug 2020 7:59

Instrument :

MSVOA_N

ClientSampled :

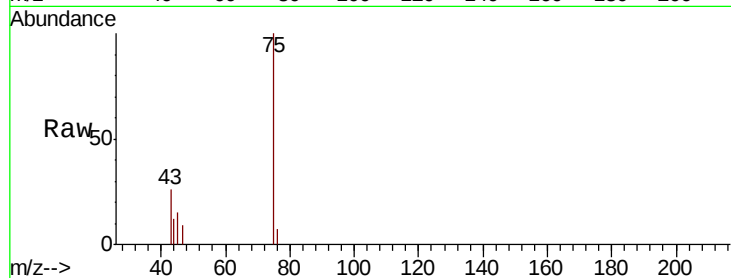
BS-STOCK-7

Tot Ion: 43 Resp: 1859

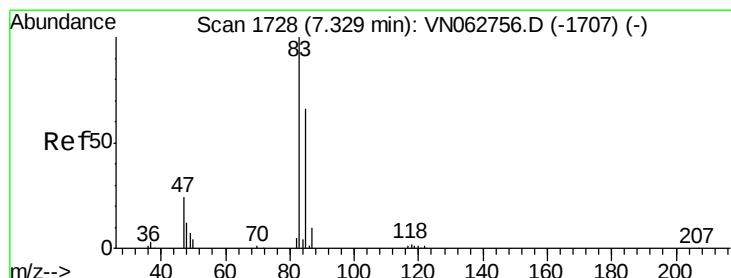
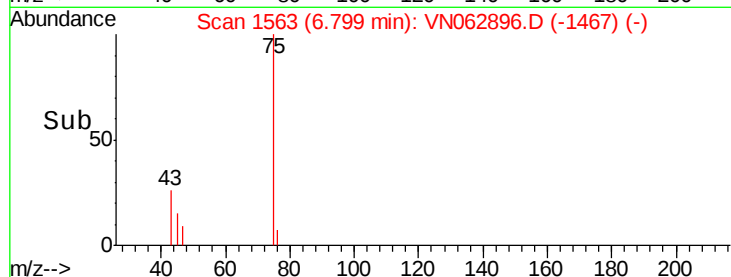
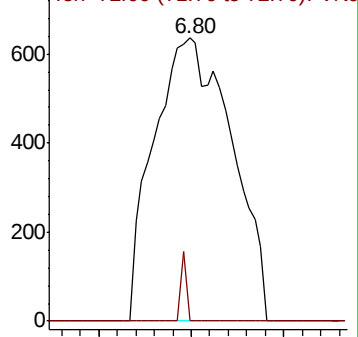
Ion Ratio Lower Upper

43 100

72 0.0 21.1 31.7#



Abundance Ion 43.00 (42.70 to 43.70): VN062896.D (-1563) (-)



#30

Chloroform

Concen: 2.615 ug/l

RT: 7.33 min Scan# 1729

Delta R.T. 0.00 min

Lab File: VN062896.D

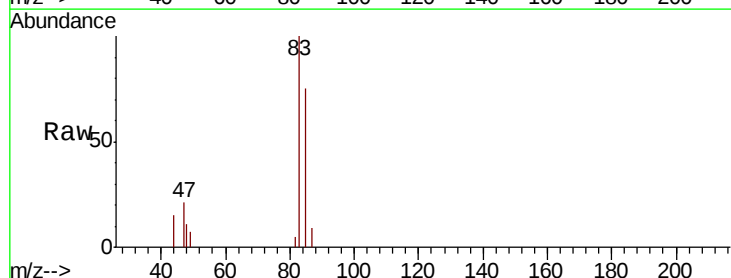
Acq: 13 Aug 2020 7:59

Tgt Ion: 83 Resp: 7946

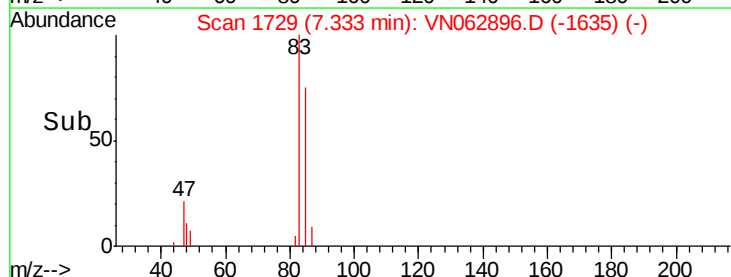
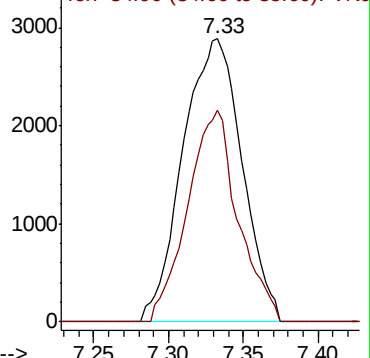
Ion Ratio Lower Upper

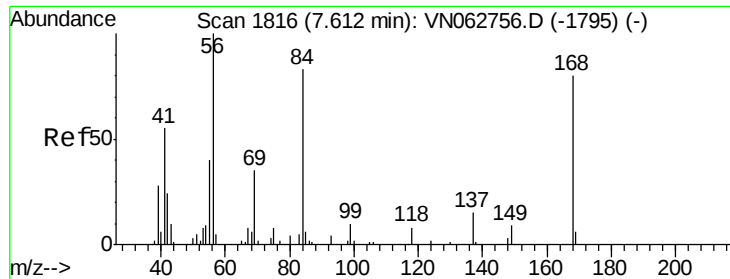
83 100

85 74.6 52.7 79.1



Abundance Ion 82.90 (82.60 to 83.60): VN062896.D (-1729) (-)

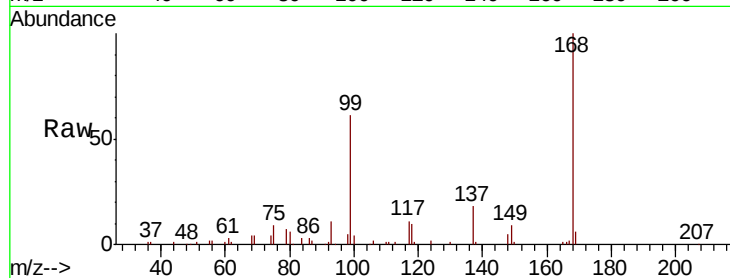




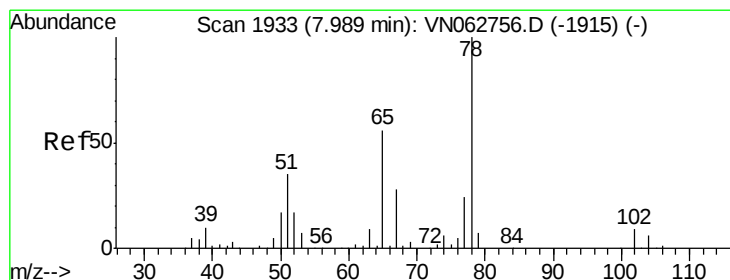
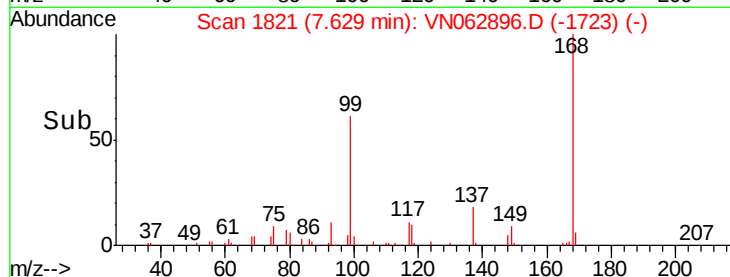
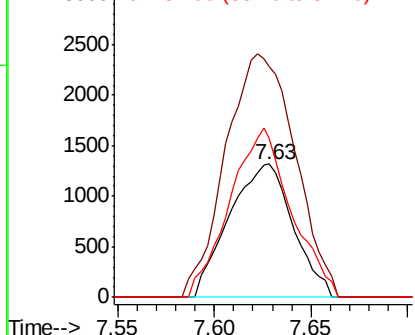
#31
Cyclohexane
Concen: 1.151 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.02 min
Lab File: VN062896.D
Acq: 13 Aug 2020 7:59

Instrument :
MSVOA_N
ClientSampled :
BS-STOCK-7

Tot Ion: 56 Resp: 3021
Ion Ratio Lower Upper
56 100
69 172.9 28.1 42.1#
84 119.8 66.8 100.2#

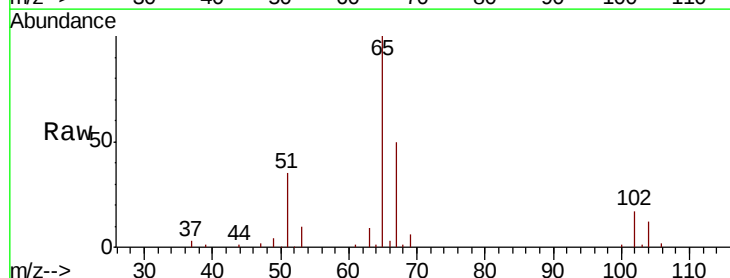


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

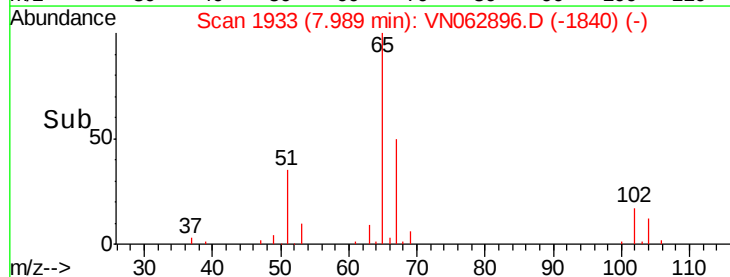
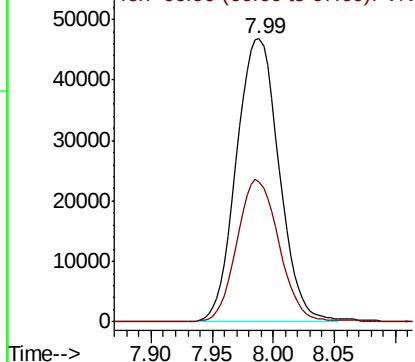


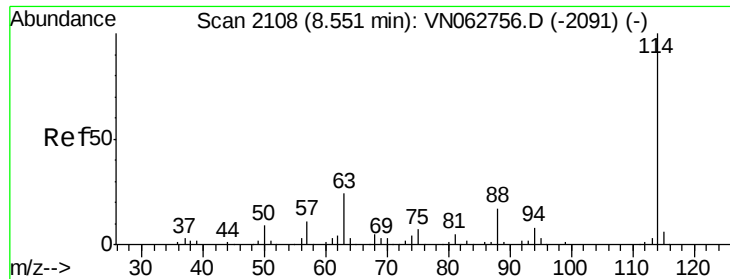
#33
1,2-Dichloroethane-d4
Concen: 52.490 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. 0.00 min
Lab File: VN062896.D
Acq: 13 Aug 2020 7:59

Tgt Ion: 65 Resp: 113629
Ion Ratio Lower Upper
65 100
67 49.5 0.0 101.4



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

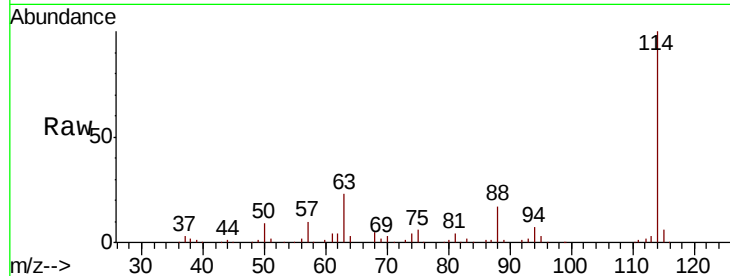




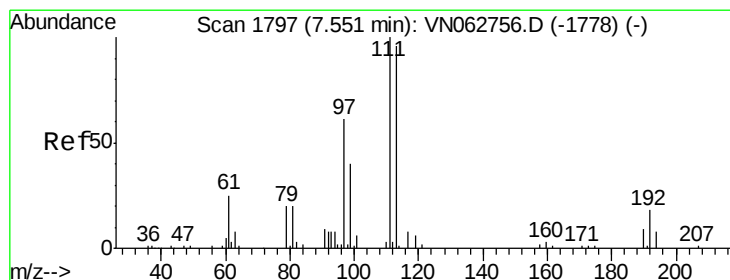
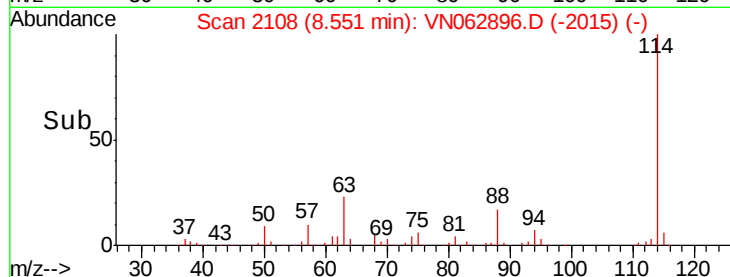
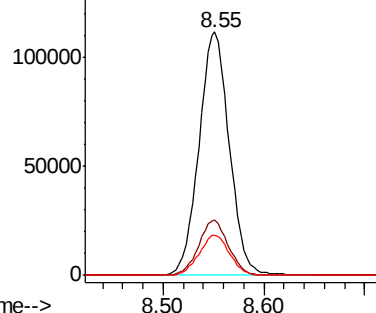
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062896.D
 Acq: 13 Aug 2020 7:59

Instrument :
 MSVOA_N
 ClientSampleId :
 BS-STOCK-7

Tot Ion:	114	Resp:	234322
Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	47.6
88	16.6	0.0	34.4

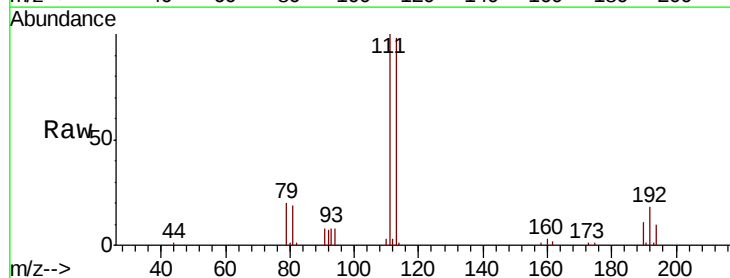


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

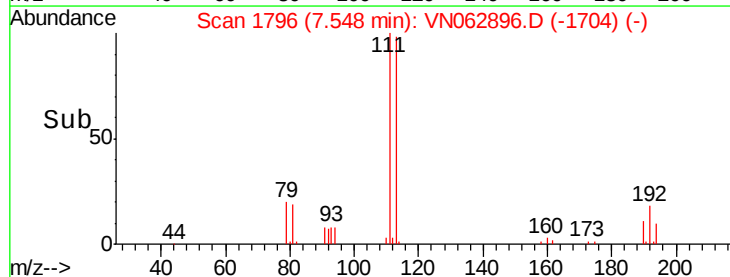
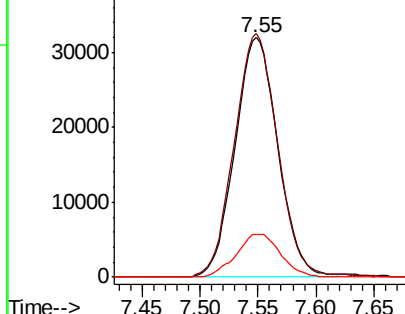


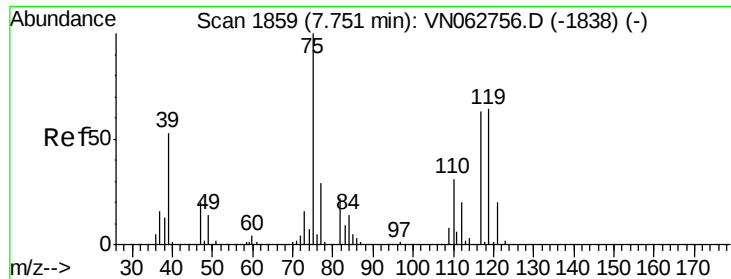
#35
 Dibromofluoromethane
 Concen: 51.290 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062896.D
 Acq: 13 Aug 2020 7:59

Tgt Ion:	113	Resp:	82213
Ion	Ratio	Lower	Upper
113	100		
111	102.8	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: 4.884 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.13 min

Lab File: VN062896.D

Acq: 13 Aug 2020 7:59

Instrument :

MSVOA_N

ClientSampled :

BS-STOCK-7

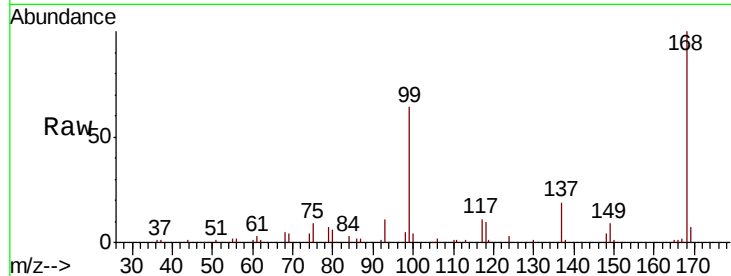
Tot Ion: 75 Resp: 11143

Ion Ratio Lower Upper

75 100

110 8.2 15.6 46.7#

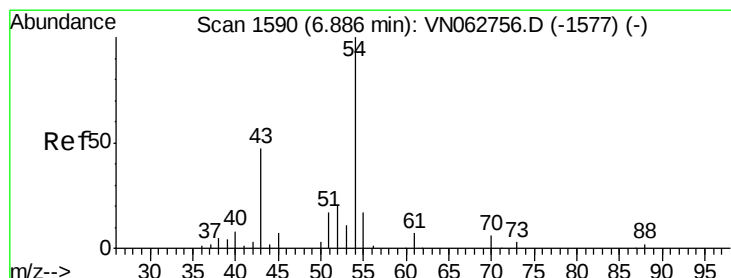
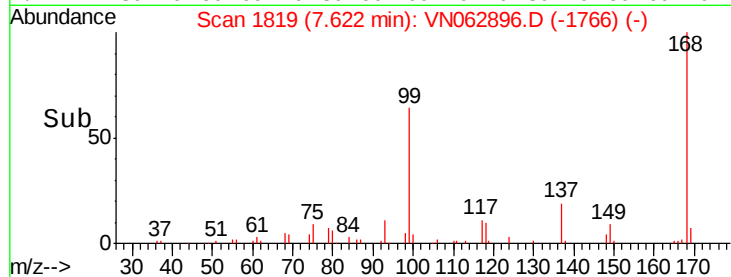
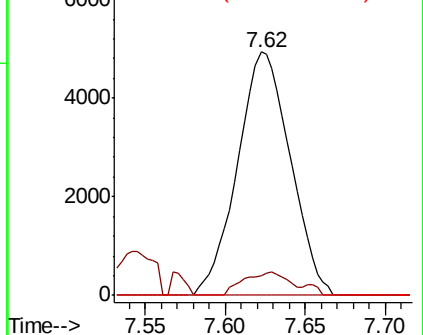
77 0.0 24.1 36.1#



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: 0.780 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.09 min

Lab File: VN062896.D

Acq: 13 Aug 2020 7:59

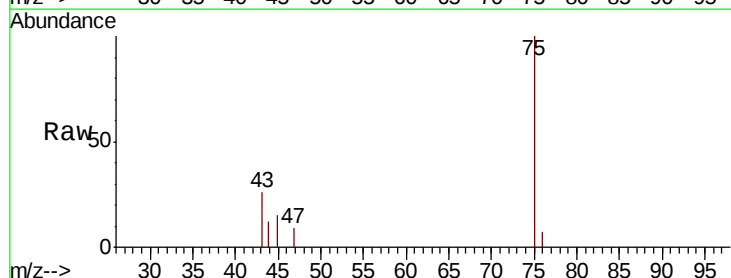
Tgt Ion: 43 Resp: 1859

Ion Ratio Lower Upper

43 100

61 3.2 12.1 18.1#

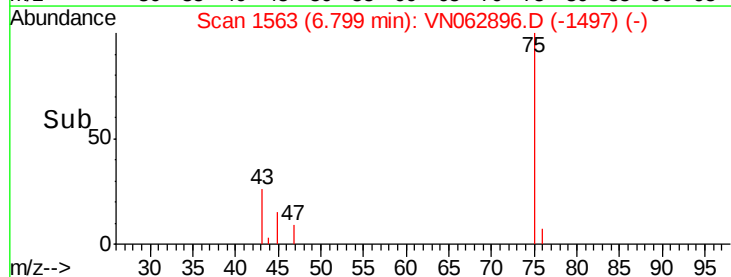
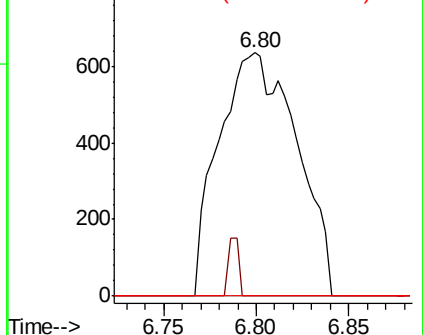
70 0.0 8.3 12.5#

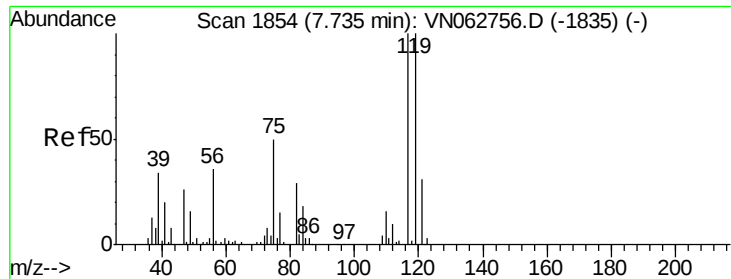


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0





#38

Carbon Tetrachloride

Concen: 5.331 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062896.D

Acq: 13 Aug 2020 7:59

Instrument :

MSVOA_N

ClientSampleId :

BS-STOCK-7

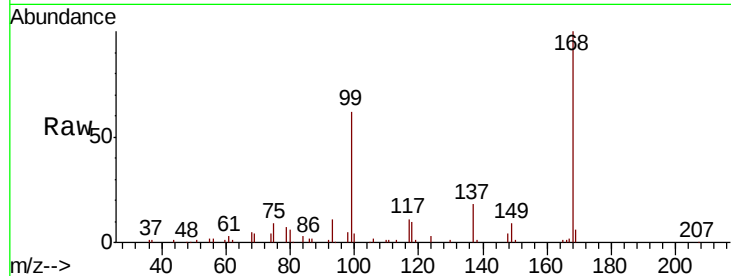
Tot Ion:117 Resp: 14386

Ion Ratio Lower Upper

117 100

119 5.1 79.4 119.2#

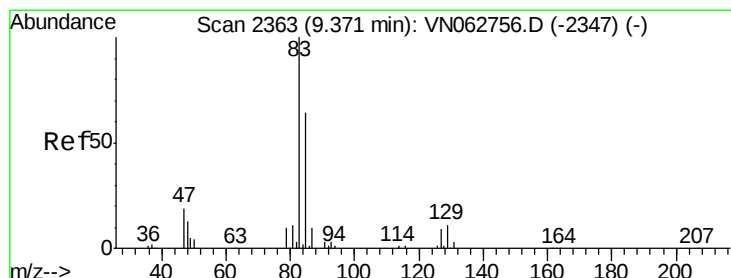
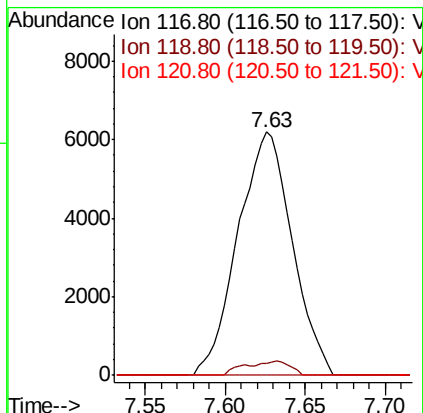
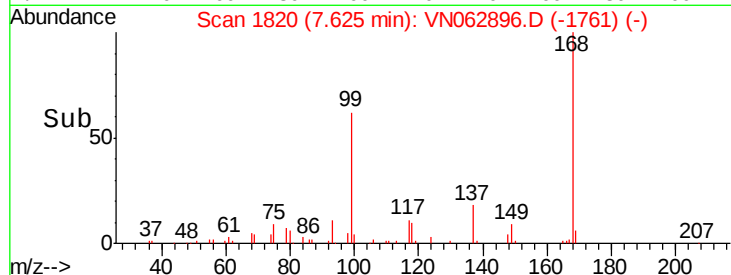
121 0.0 24.9 37.3#



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



#47

Bromodichloromethane

Concen: 0.299 ug/l

RT: 9.36 min Scan# 2361

Delta R.T. -0.01 min

Lab File: VN062896.D

Acq: 13 Aug 2020 7:59

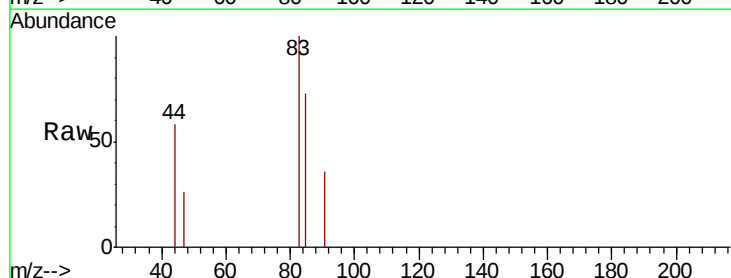
Tgt Ion: 83 Resp: 810

Ion Ratio Lower Upper

83 100

85 72.5 51.4 77.0

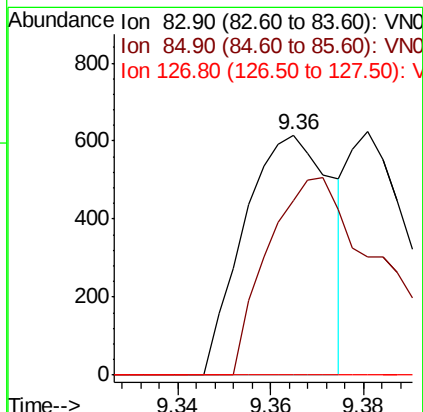
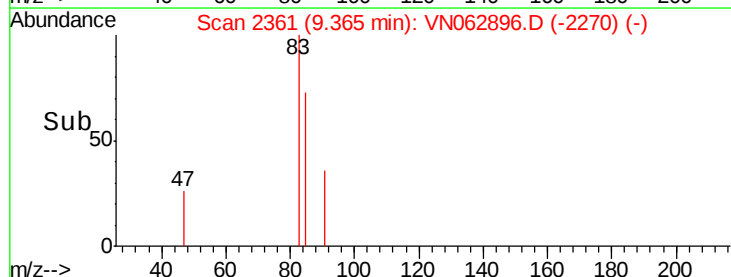
127 0.0 6.9 10.3#

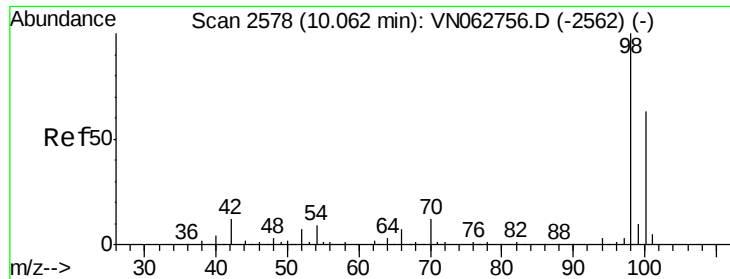


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 126.80 (126.50 to 127.50): V





#50

Toluene-d8

Concen: 48.737 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062896.D

Acq: 13 Aug 2020 7:59

Instrument :

MSVOA_N

ClientSampled :

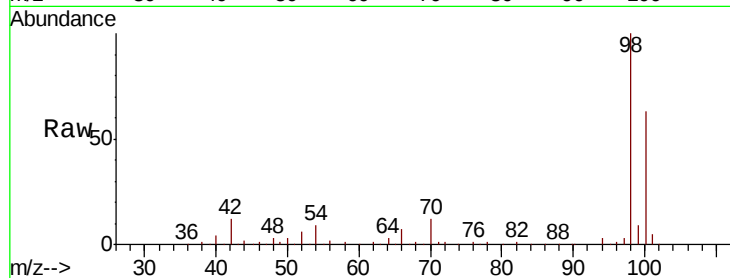
BS-STOCK-7

Tot Ion: 98 Resp: 304990

Ion Ratio Lower Upper

98 100

100 62.4 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN062756.D (-2562) (-)

Ion 100.00 (99.70 to 100.70): VN062756.D (-2562) (-)

10.06

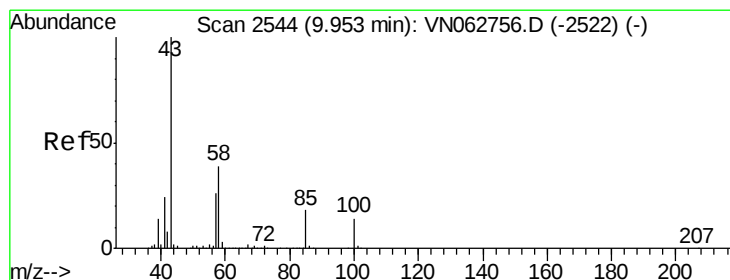
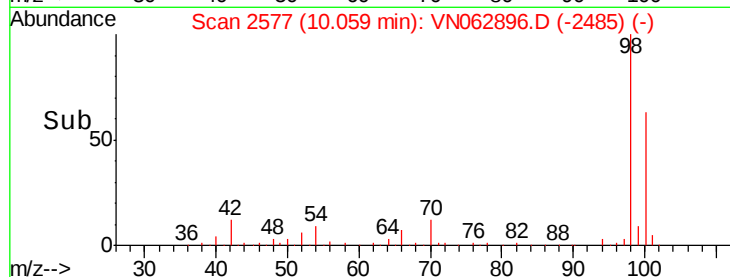
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.682 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN062896.D

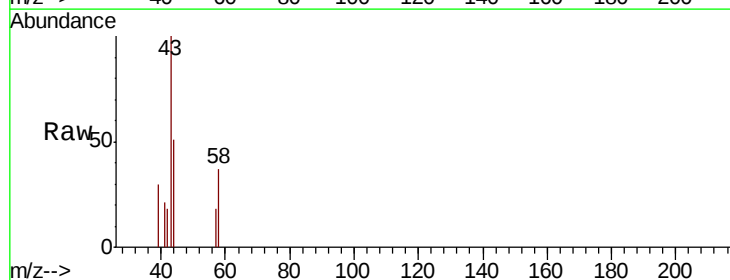
Acq: 13 Aug 2020 7:59

Tgt Ion: 43 Resp: 1755

Ion Ratio Lower Upper

43 100

58 31.4 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

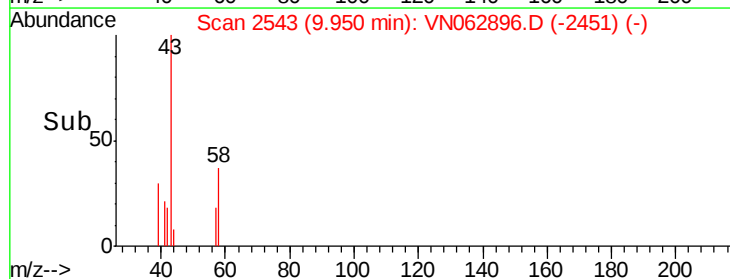
600

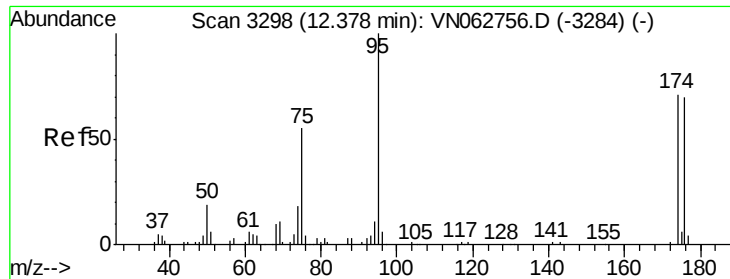
400

200

0

Time-->

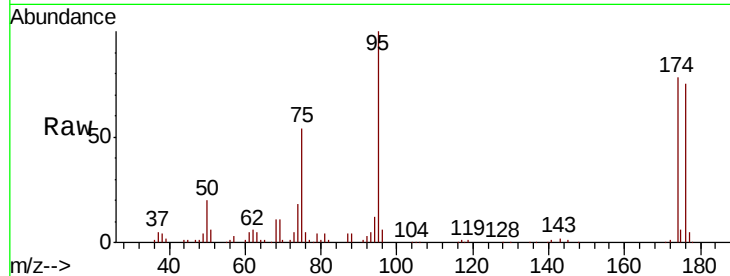




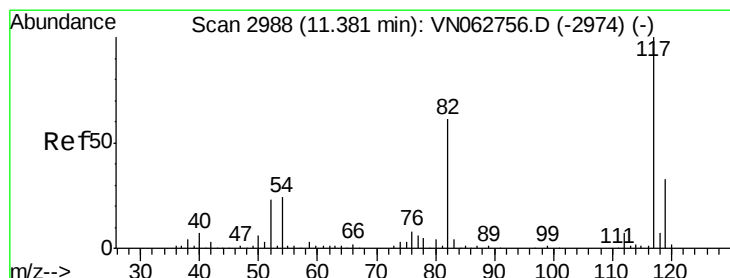
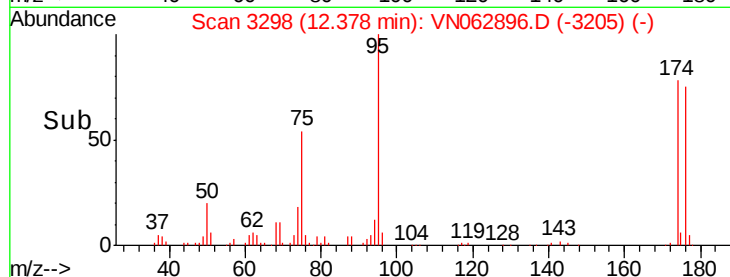
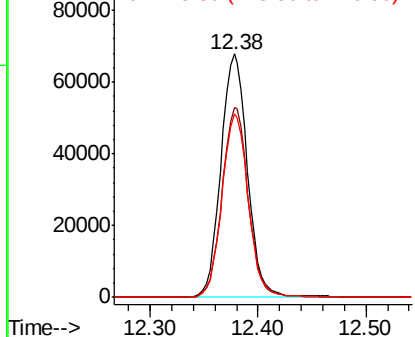
#62
 4-Bromofluorobenzene
 Concen: 49.161 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN062896.D
 Acq: 13 Aug 2020 7:59

Instrument :
 MSVOA_N
 ClientSampleId :
 BS-STOCK-7

Tot Ion: 95 Resp: 116258
 Ion Ratio Lower Upper
 95 100
 174 77.3 0.0 144.8
 176 74.6 0.0 142.2

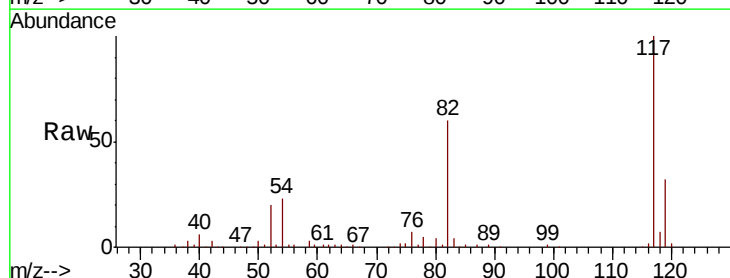


Abundance Ion 94.90 (94.60 to 95.60): VN062756.D (-3284) (-)
 Ion 173.80 (173.50 to 174.50): VN062756.D (-3284) (-)
 Ion 175.80 (175.50 to 176.50): VN062756.D (-3284) (-)

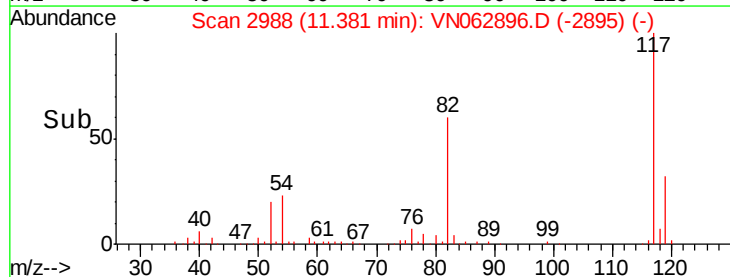
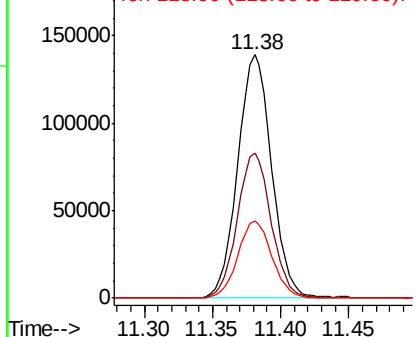


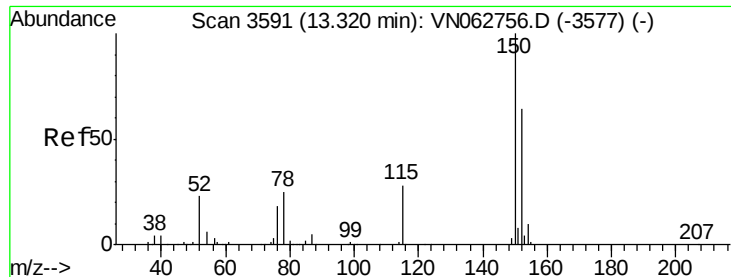
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.38 min Scan# 2988
 Delta R.T. 0.00 min
 Lab File: VN062896.D
 Acq: 13 Aug 2020 7:59

Tgt Ion: 117 Resp: 240125
 Ion Ratio Lower Upper
 117 100
 82 59.6 49.0 73.4
 119 31.8 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): VN062756.D (-2974) (-)
 Ion 82.00 (81.70 to 82.70): VN062756.D (-2974) (-)
 Ion 118.90 (118.60 to 119.60): VN062756.D (-2974) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062896.D

Acq: 13 Aug 2020 7:59

Instrument :

MSVOA_N

ClientSampleId :

BS-STOCK-7

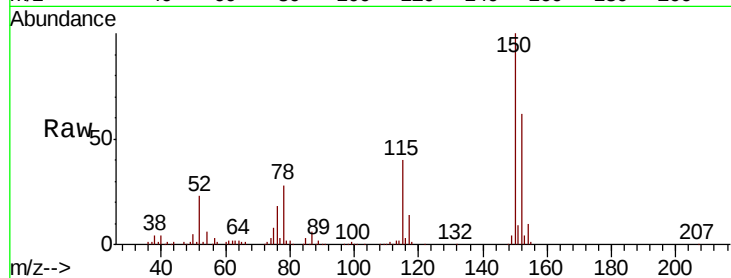
Tot Ion:152 Resp: 95569

Ion Ratio Lower Upper

152 100

115 64.4 31.6 94.8

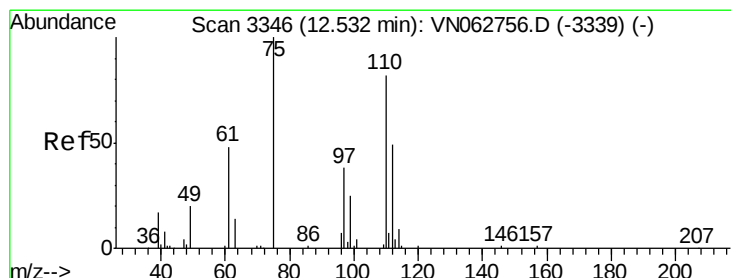
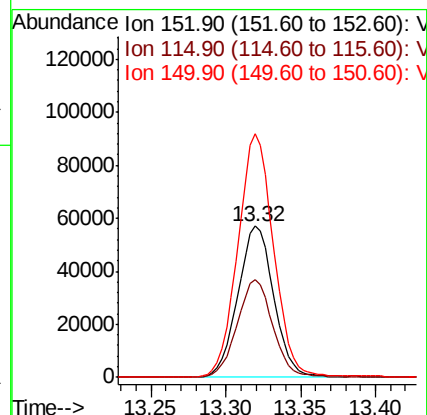
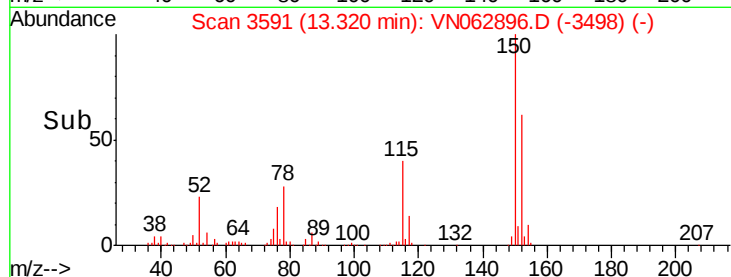
150 160.8 0.0 349.2



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: 23.994 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062896.D

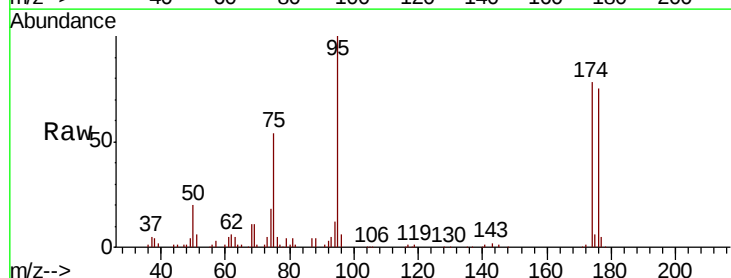
Acq: 13 Aug 2020 7:59

Tgt Ion: 75 Resp: 61843

Ion Ratio Lower Upper

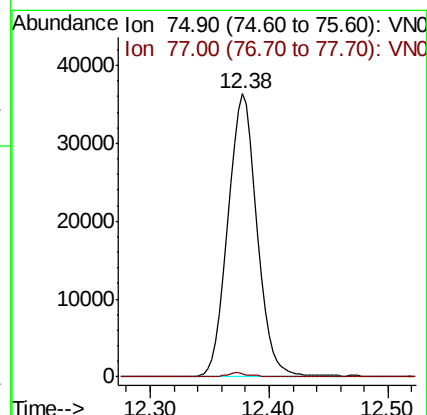
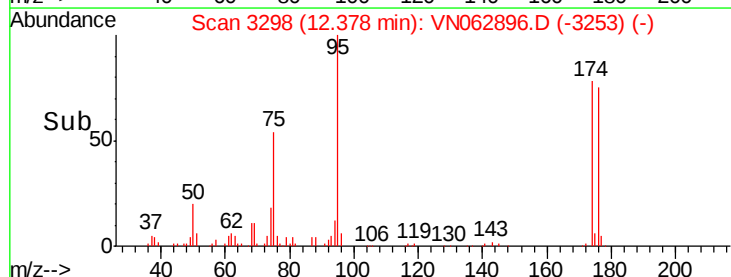
75 100

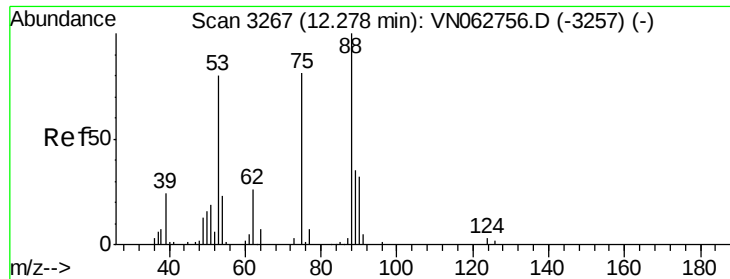
77 1.0 0.0 0.0#



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: 73.248 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062896.D

Acq: 13 Aug 2020 7:59

Instrument :

MSVOA_N

ClientSampleId :

BS-STOCK-7

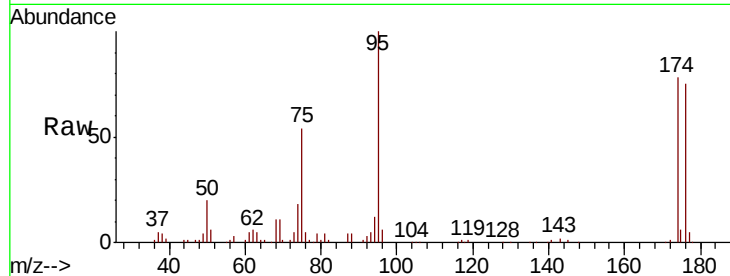
Tot Ion: 75 Resp: 61843

Ion Ratio Lower Upper

75 100

53 0.0 79.1 118.7#

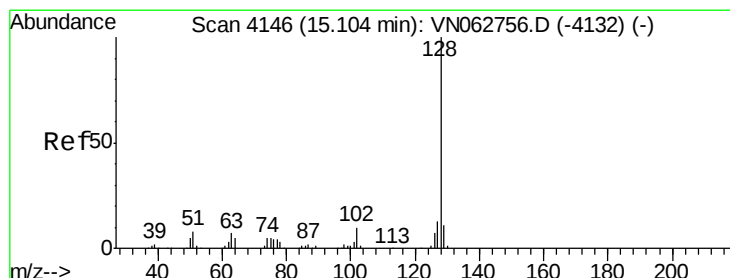
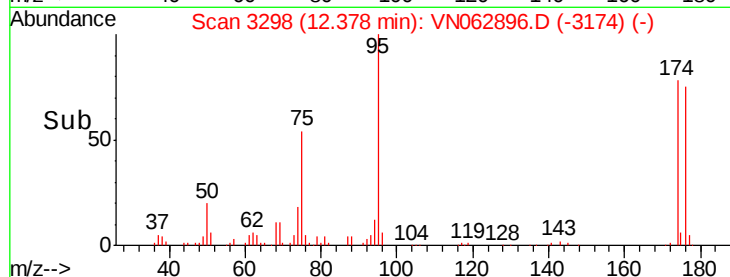
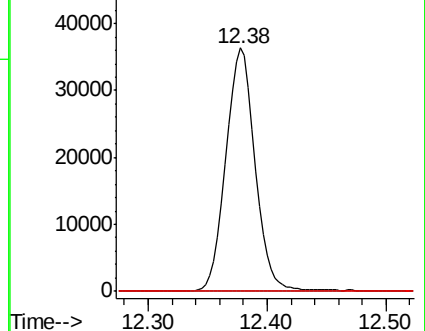
89 0.0 36.2 54.2#



Abundance Ion 74.90 (74.60 to 75.60): VN062756.D (-3257) (-)

Ion 53.00 (52.70 to 53.70): VN062756.D (-3257) (-)

Ion 88.90 (88.60 to 89.60): VN062756.D (-3257) (-)



#95

Naphthalene

Concen: 3.765 ug/l

RT: 15.11 min Scan# 4148

Delta R.T. 0.01 min

Lab File: VN062896.D

Acq: 13 Aug 2020 7:59

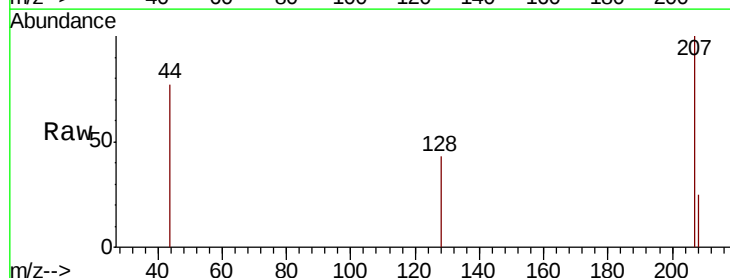
Tgt Ion: 128 Resp: 271

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): VN062756.D (-4132) (-)

Ion 127.00 (126.70 to 127.70): VN062756.D (-4132) (-)

Ion 129.00 (128.70 to 129.70): VN062756.D (-4132) (-)

