

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081220\
 Data File : VN062893.D
 Acq On : 13 Aug 2020 6:46
 Operator : JC/MD
 Sample : L3648-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BS-STOCK-4

Quant Time: Aug 13 07:47:34 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	120964	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	207242	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	215293	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	80919	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	105409	52.69	ug/l	0.00
Spiked Amount			Recovery	=	105.38%	
35) Dibromofluoromethane	7.55	113	74220	52.35	ug/l	0.00
Spiked Amount			Recovery	=	104.70%	
50) Toluene-d8	10.06	98	274759	49.64	ug/l	0.00
Spiked Amount			Recovery	=	99.28%	
62) 4-Bromofluorobenzene	12.38	95	100158	47.89	ug/l	0.00
Spiked Amount			Recovery	=	95.78%	

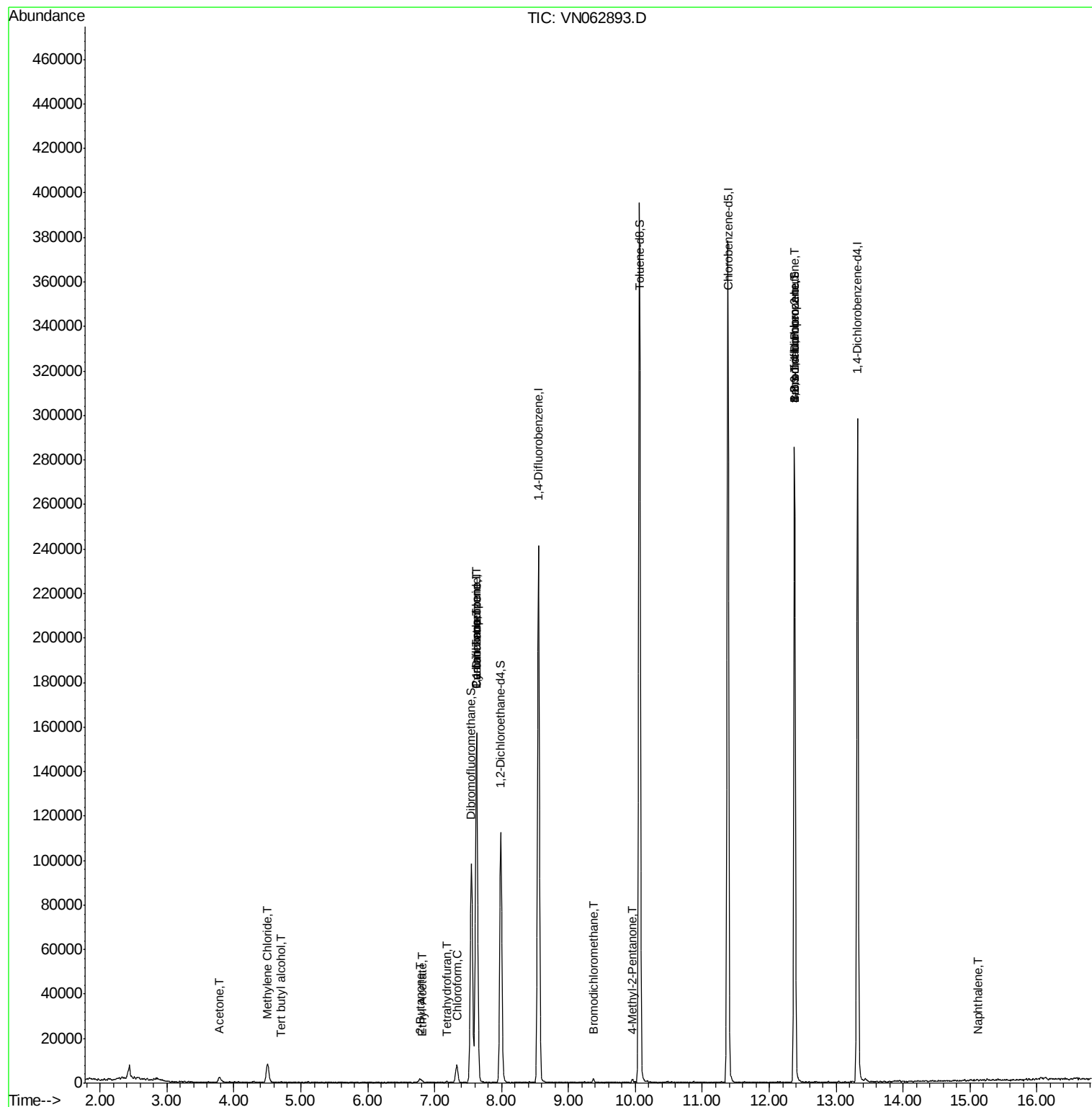
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.71	59	75	0.229	ug/l #	72
16) Acetone	3.78	43	4588	6.347	ug/l	99
17) Carbon Disulfide	4.01	76	30	Below Cal	#	74
18) Methyl Acetate	4.30	43	926	Below Cal	#	52
20) Methylene Chloride	4.50	84	6643	4.328	ug/l	90
25) 2-Butanone	6.80	43	835	0.816	ug/l #	49
29) Tetrahydrofuran	7.19	42	364	0.547	ug/l #	33
30) Chloroform	7.34	83	9396	3.346	ug/l	85
31) Cyclohexane	7.62	56	2923	1.205	ug/l #	40
36) 1,1-Dichloropropene	7.63	75	10065	4.988	ug/l #	52
37) Ethyl Acetate	6.83	43	501	0.238	ug/l #	67
38) Carbon Tetrachloride	7.63	117	12721	5.330	ug/l #	14
47) Bromodichloromethane	9.37	83	1661	0.693	ug/l #	94
51) 4-Methyl-2-Pentanone	9.95	43	1372	0.603	ug/l #	77
71) Bromoform	12.38	173	974	0.659	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	54000	24.745	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	54000	75.538	ug/l #	10
95) Naphthalene	15.12	128	451	3.820	ug/l #	68

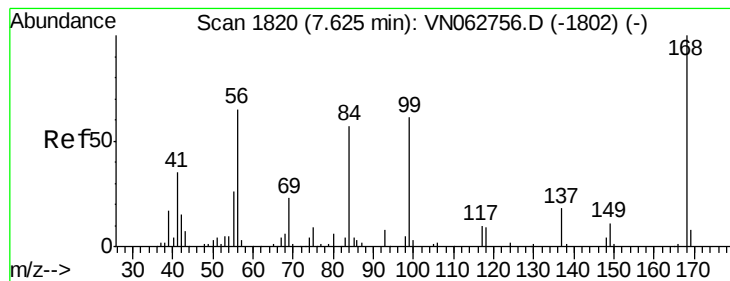
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081220\
Data File : VN062893.D
Acq On : 13 Aug 2020 6:46
Operator : JC/MD
Sample : L3648-07
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BS-STOCK-4

Quant Time: Aug 13 07:47:34 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# 1820

Delta R.T. -0.00 min

Lab File: VN062893.D

Acq: 13 Aug 2020 6:46

Instrument :

MSVOA_N

ClientSampleId :

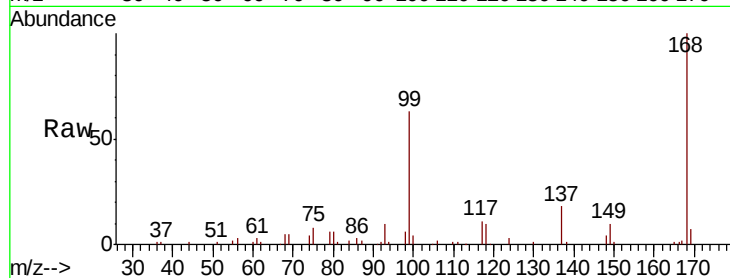
BS-STOCK-4

Tot Ion:168 Resp: 120964

Ion Ratio Lower Upper

168 100

99 62.8 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

50000

40000

30000

20000

10000

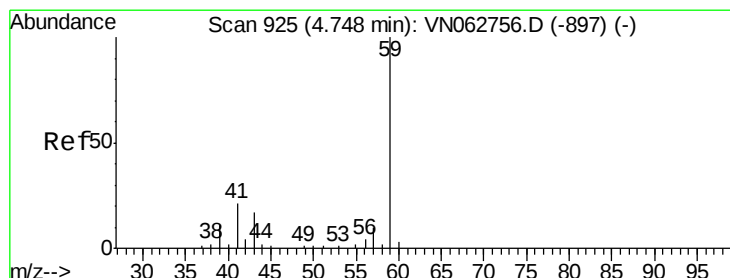
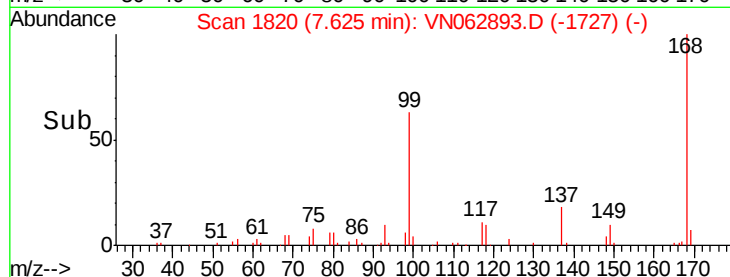
0

Time-->

7.50

7.60

7.70



#11

Tert butyl alcohol

Concen: 0.229 ug/l

RT: 4.71 min Scan# 913

Delta R.T. -0.04 min

Lab File: VN062893.D

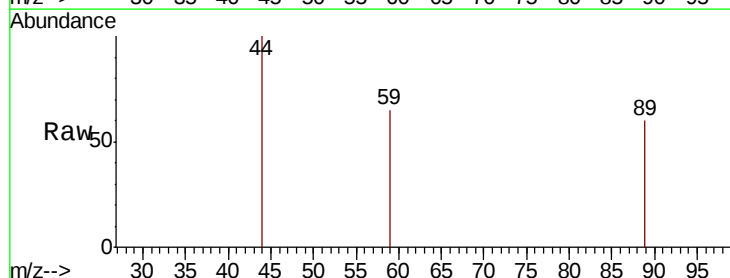
Acq: 13 Aug 2020 6:46

Tgt Ion: 59 Resp: 75

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.71

200

150

100

50

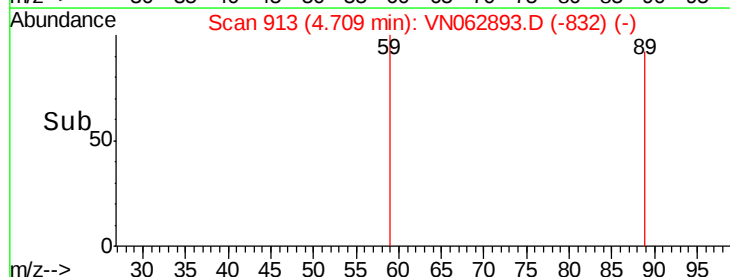
0

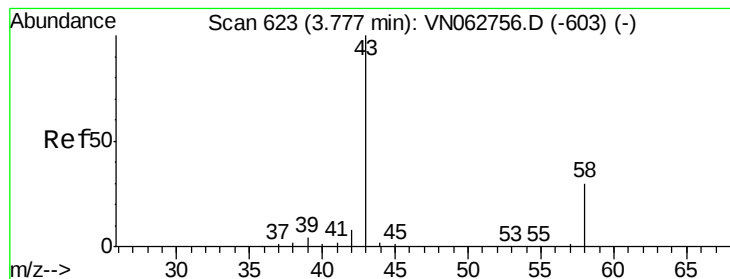
Time-->

4.70

4.71

4.72





#16

Acetone

Concen: 6.347 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN062893.D

Acq: 13 Aug 2020 6:46

Instrument :

MSVOA_N

ClientSampleId :

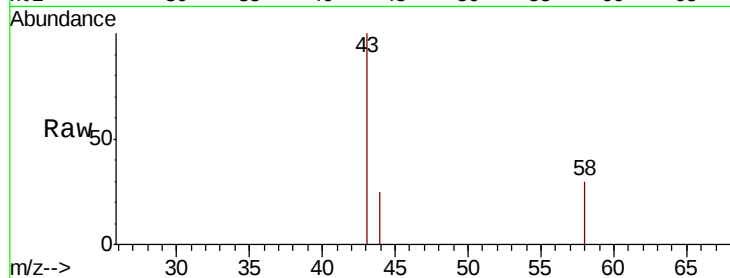
BS-STOCK-4

Tot Ion: 43 Resp: 4588

Ion Ratio Lower Upper

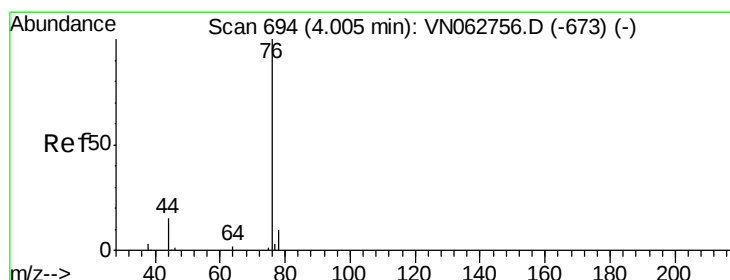
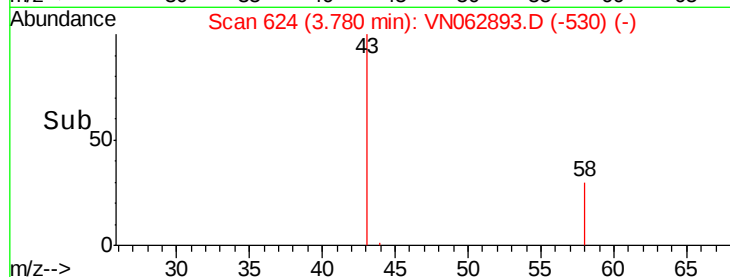
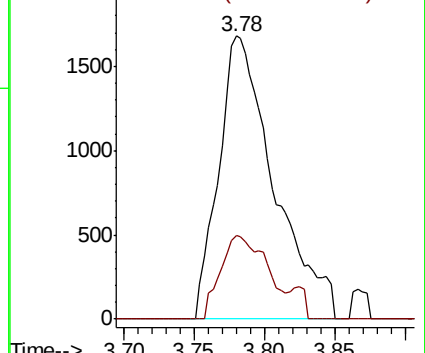
43 100

58 29.6 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) (-)



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.01 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN062893.D

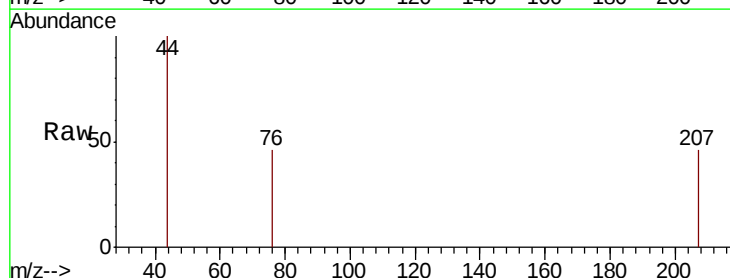
Acq: 13 Aug 2020 6:46

Tgt Ion: 76 Resp: 30

Ion Ratio Lower Upper

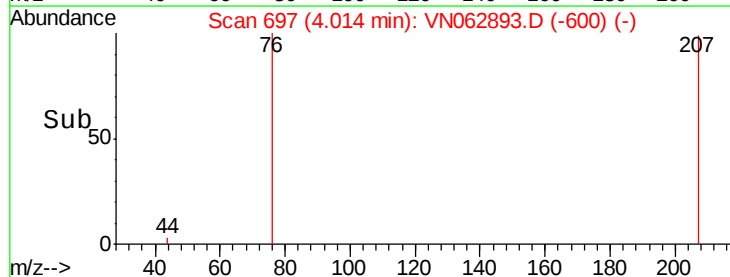
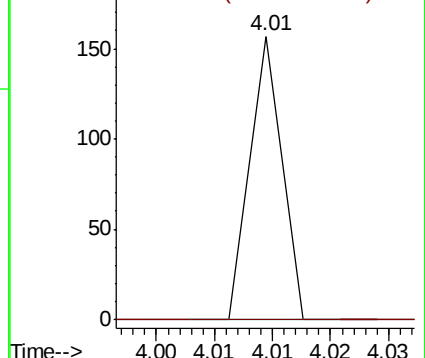
76 100

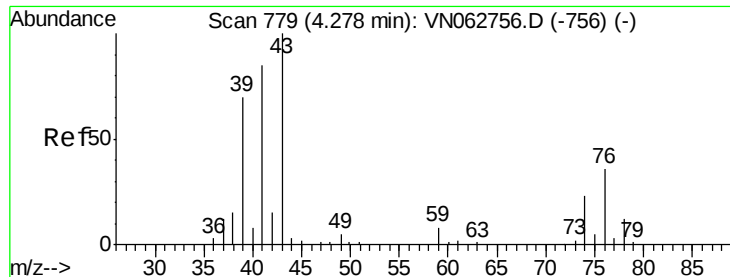
78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN062756.D (-673) (-)

Ion 77.90 (77.60 to 78.60): VN062756.D (-673) (-)

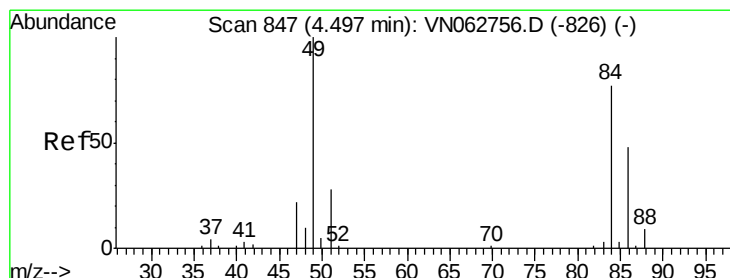
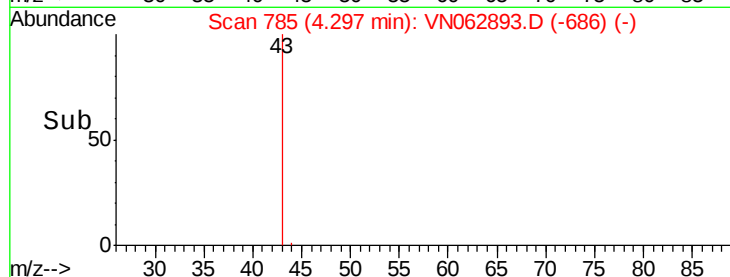
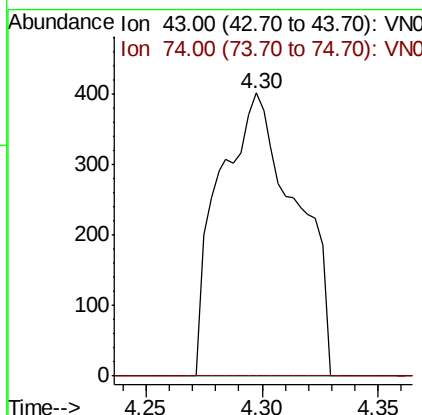
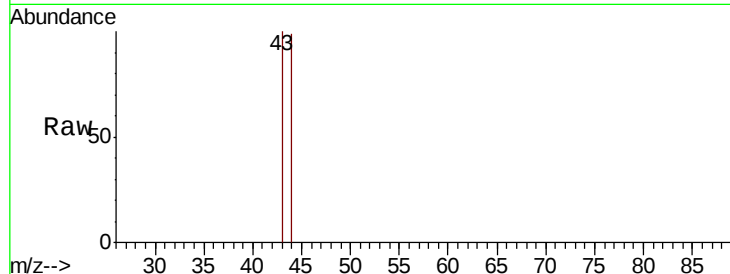




#18
Methvl Acetate
Concen: Below Cal
RT: 4.30 min Scan# 785
Delta R.T. 0.02 min
Lab File: VN062893.D
Acq: 13 Aug 2020 6:46

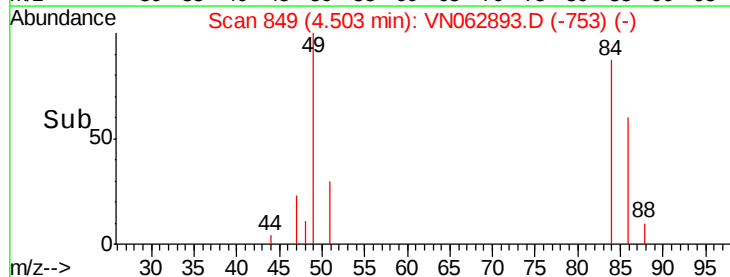
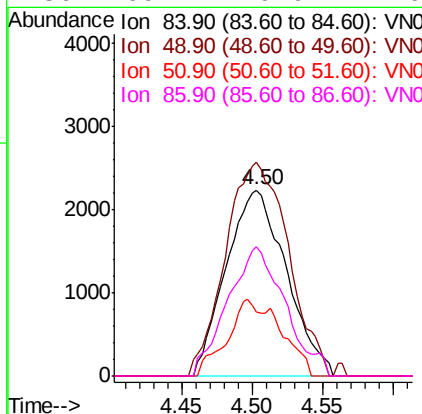
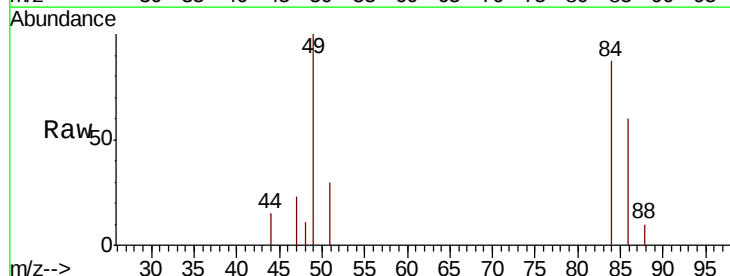
Instrument :
MSVOA_N
ClientSampled :
BS-STOCK-4

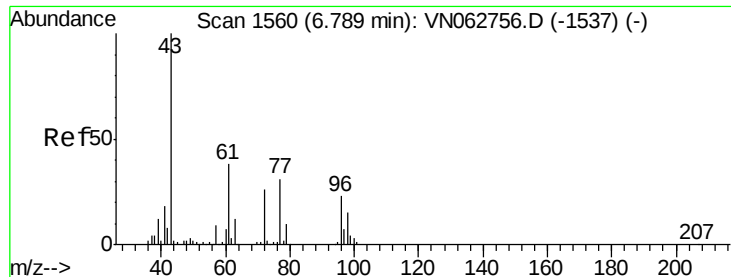
Tot Ion: 43 Resp: 926
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



#20
Methylene Chloride
Concen: 4.328 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.01 min
Lab File: VN062893.D
Acq: 13 Aug 2020 6:46

Tgt Ion: 84 Resp: 6643
Ion Ratio Lower Upper
84 100
49 114.7 103.4 155.2
51 34.4 29.3 43.9
86 69.1 49.9 74.9

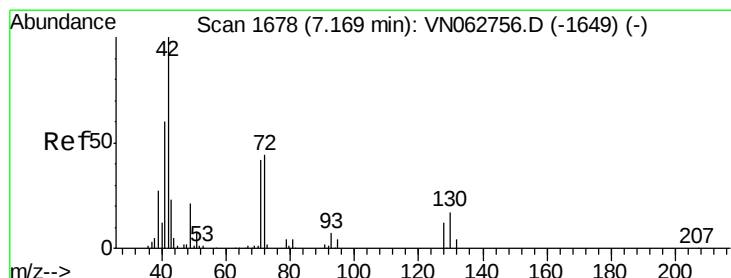
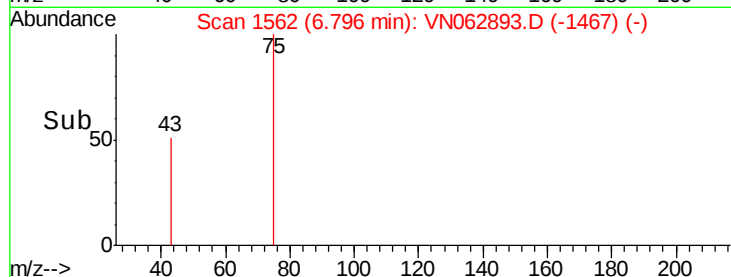
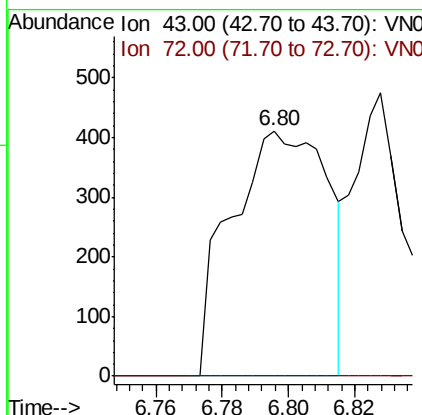
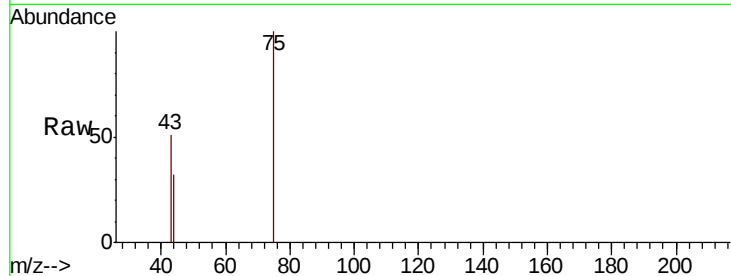




#25
2-Butanone
Concen: 0.816 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.01 min
Lab File: VN062893.D
Acq: 13 Aug 2020 6:46

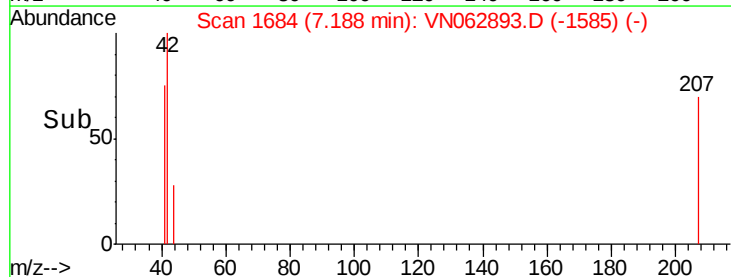
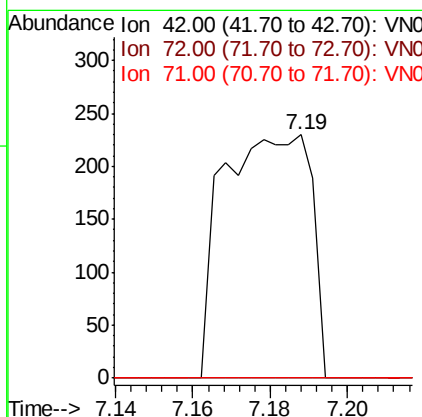
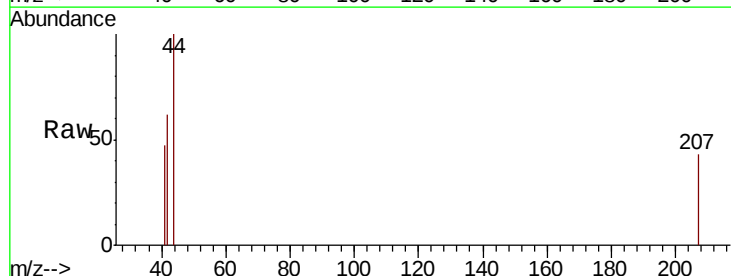
Instrument :
MSVOA_N
ClientSampled :
BS-STOCK-4

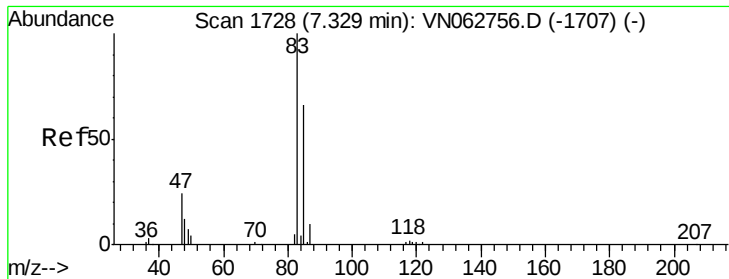
Tot Ion: 43 Resp: 835
Ion Ratio Lower Upper
43 100
72 0.0 21.1 31.7#



#29
Tetrahydrofuran
Concen: 0.547 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.02 min
Lab File: VN062893.D
Acq: 13 Aug 2020 6:46

Tgt Ion: 42 Resp: 364
Ion Ratio Lower Upper
42 100
72 0.0 35.0 52.4#
71 0.0 33.2 49.8#

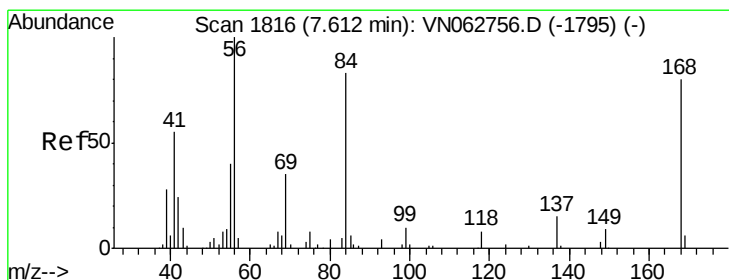
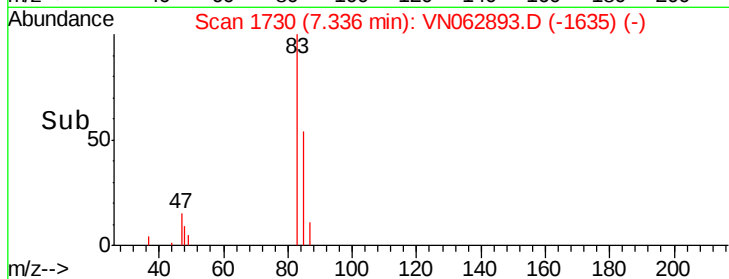
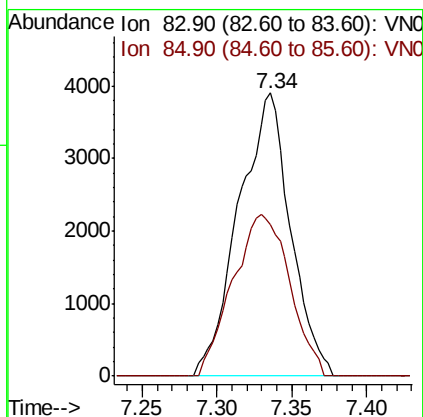
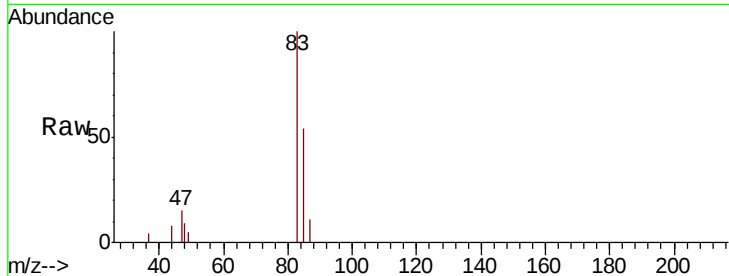




#30
Chloroform
Concen: 3.346 ug/l
RT: 7.34 min Scan# 1730
Delta R.T. 0.01 min
Lab File: VN062893.D
Acq: 13 Aug 2020 6:46

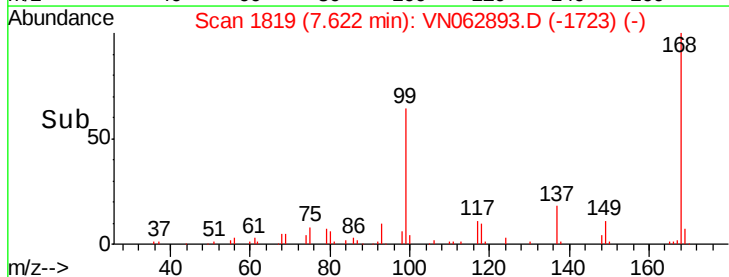
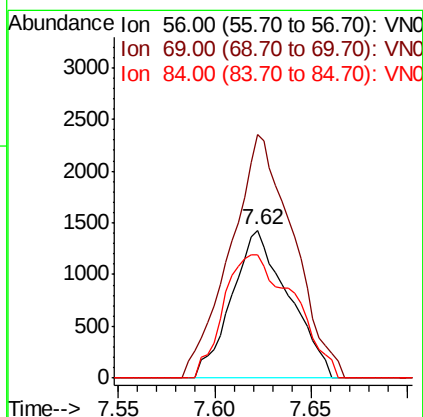
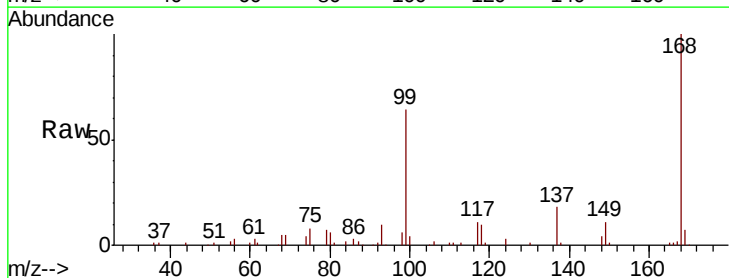
Instrument :
MSVOA_N
ClientSampleId :
BS-STOCK-4

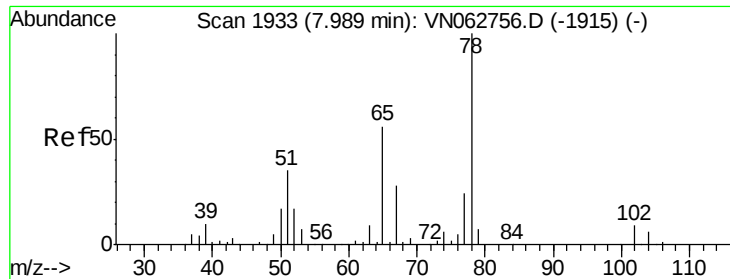
Tot Ion: 83 Resp: 9396
Ion Ratio Lower Upper
83 100
85 53.7 52.7 79.1



#31
Cyclohexane
Concen: 1.205 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN062893.D
Acq: 13 Aug 2020 6:46

Tgt Ion: 56 Resp: 2923
Ion Ratio Lower Upper
56 100
69 153.3 28.1 42.1#
84 83.1 66.8 100.2

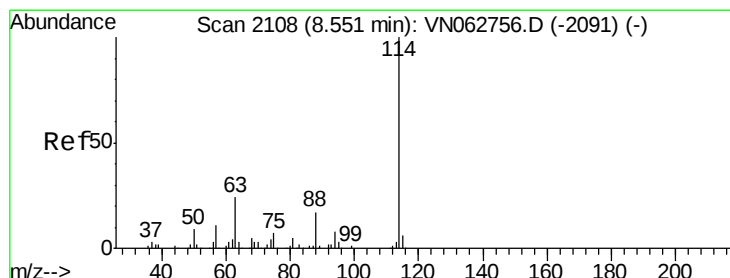
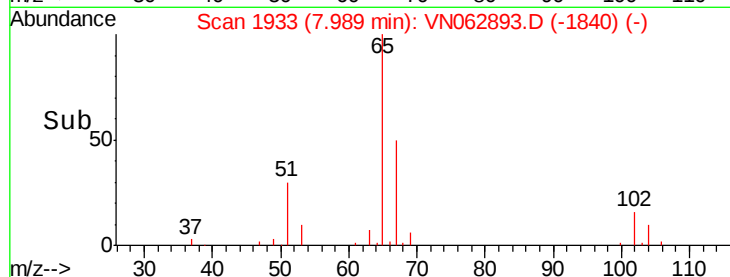
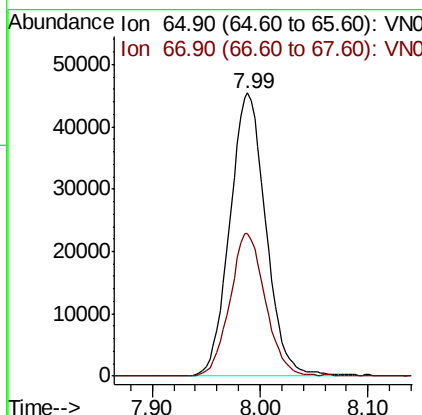
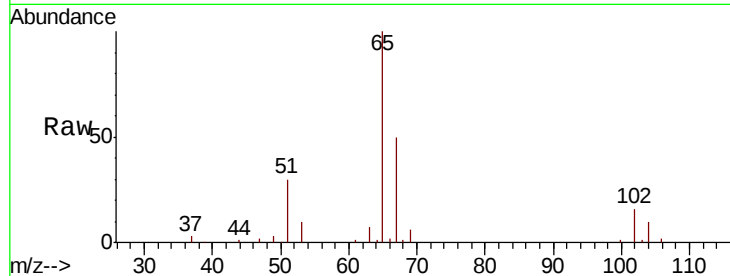




#33
 1,2-Dichloroethane-d4
 Concen: 52.695 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062893.D
 Acq: 13 Aug 2020 6:46

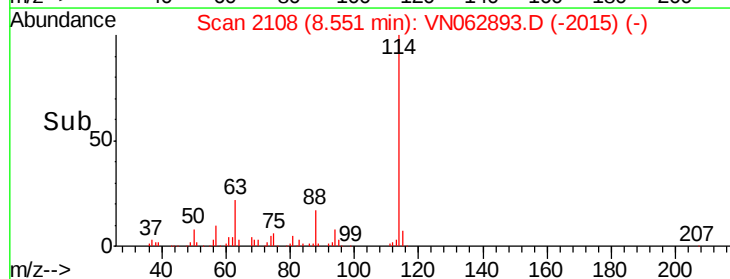
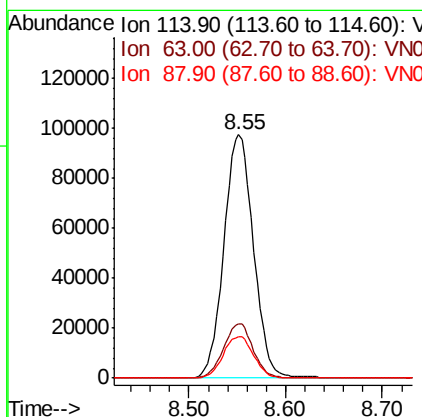
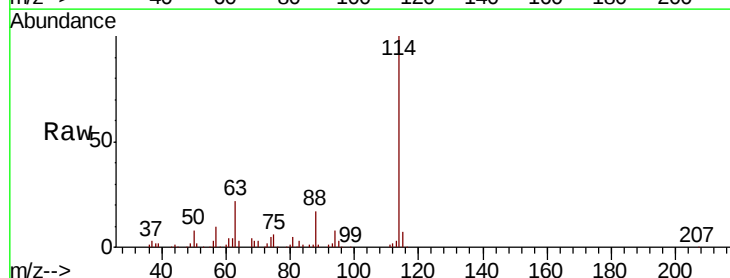
Instrument :
 MSVOA_N
 ClientSampleId :
 BS-STOCK-4

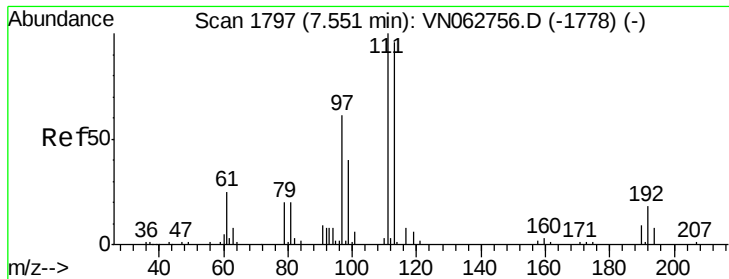
Tot Ion: 65 Resp: 105409
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062893.D
 Acq: 13 Aug 2020 6:46

Tgt Ion: 114 Resp: 207242
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 47.6
 88 17.0 0.0 34.4

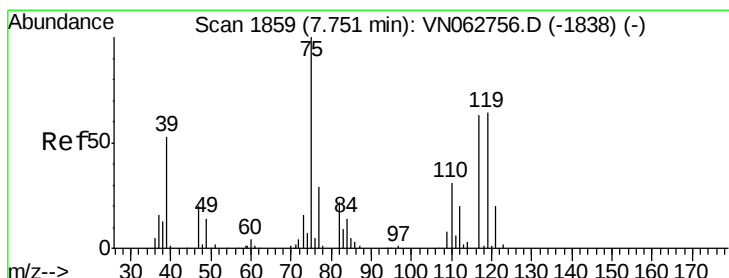
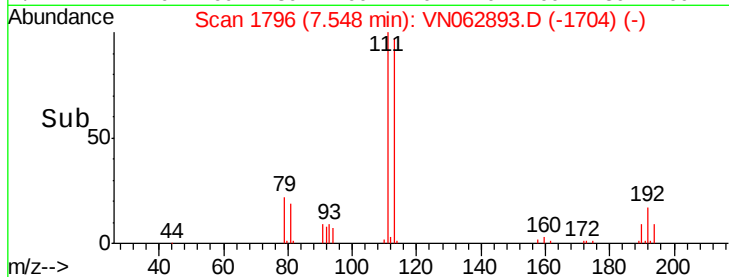
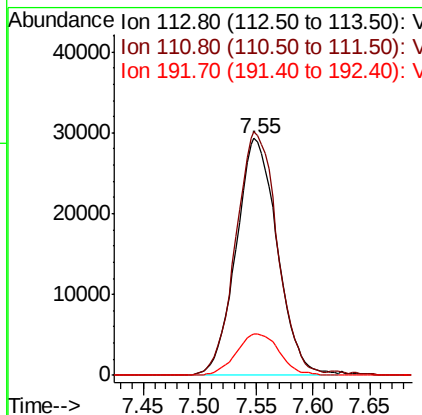
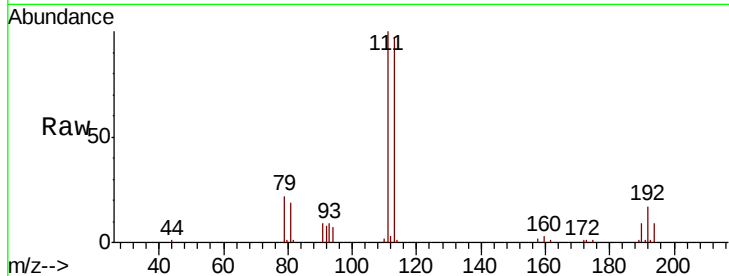




#35
Dibromofluoromethane
Concen: 52.354 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN062893.D
Acq: 13 Aug 2020 6:46

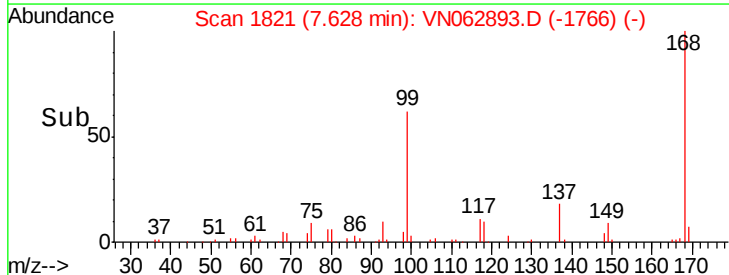
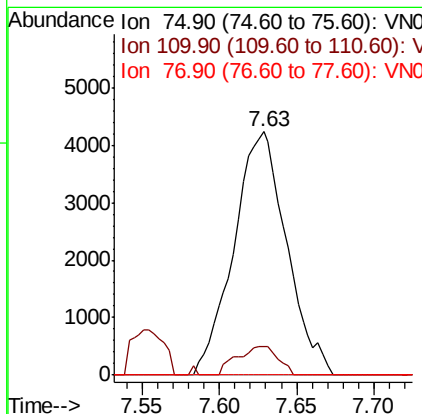
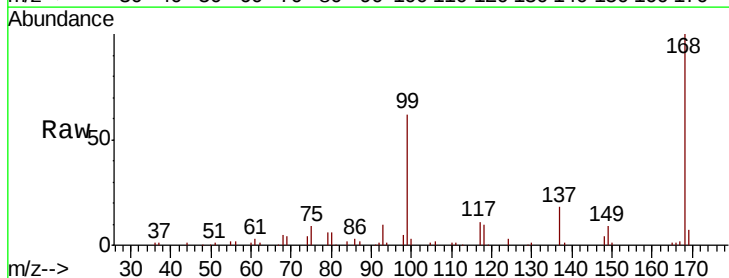
Instrument :
MSVOA_N
ClientSampleId :
BS-STOCK-4

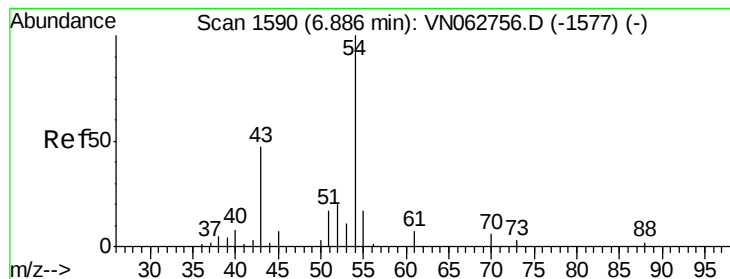
Tot Ion:113 Resp: 74220
Ion Ratio Lower Upper
113 100
111 103.8 81.8 122.6
192 18.3 15.0 22.4



#36
1,1-Dichloropropene
Concen: 4.988 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.12 min
Lab File: VN062893.D
Acq: 13 Aug 2020 6:46

Tgt Ion: 75 Resp: 10065
Ion Ratio Lower Upper
75 100
110 9.2 15.6 46.7#
77 0.0 24.1 36.1#





#37

Ethyl Acetate

Concen: 0.238 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.06 min

Lab File: VN062893.D

Acq: 13 Aug 2020 6:46

Instrument :

MSVOA_N

ClientSampled :

BS-STOCK-4

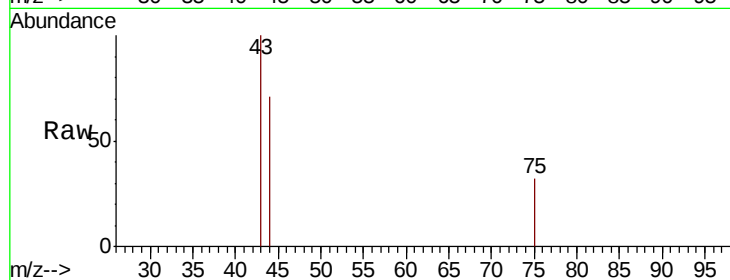
Tot Ion: 43 Resp: 501

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): VN062756.D (-1577) (-)

Ion 60.90 (60.60 to 61.60): VN062756.D (-1577) (-)

Ion 70.00 (69.70 to 70.70): VN062756.D (-1577) (-)

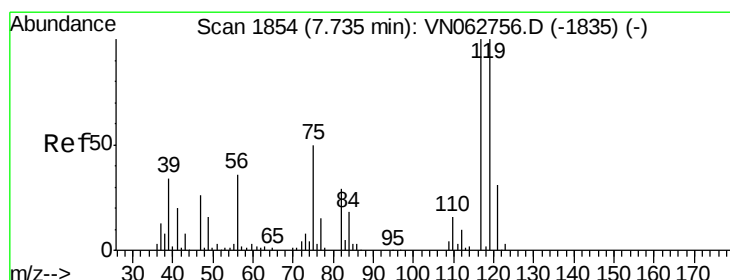
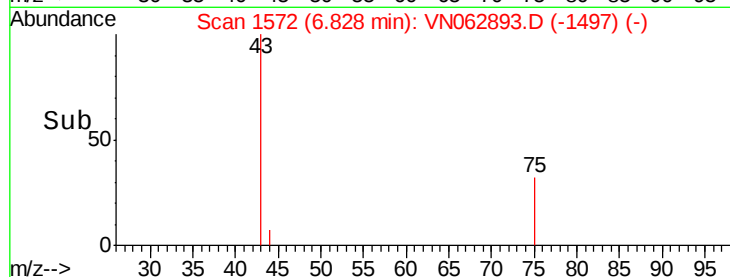
6.83

6.82

6.84

6.86

Time-->



#38

Carbon Tetrachloride

Concen: 5.330 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062893.D

Acq: 13 Aug 2020 6:46

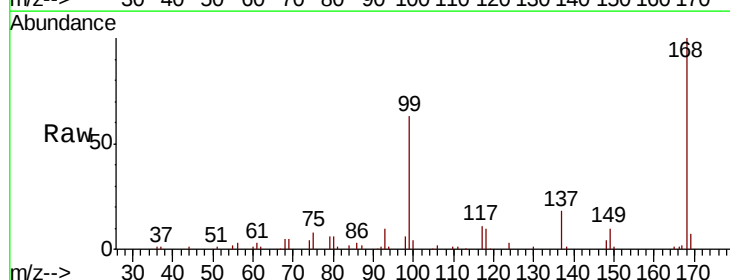
Tgt Ion: 117 Resp: 12721

Ion Ratio Lower Upper

117 100

119 4.1 79.4 119.2#

121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): VN062756.D (-1835) (-)

Ion 118.80 (118.50 to 119.50): VN062756.D (-1835) (-)

Ion 120.80 (120.50 to 121.50): VN062756.D (-1835) (-)

7.63

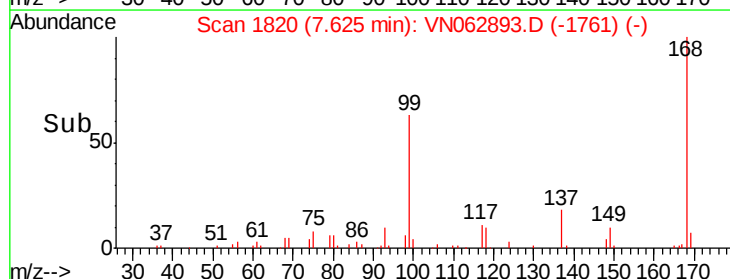
7.55

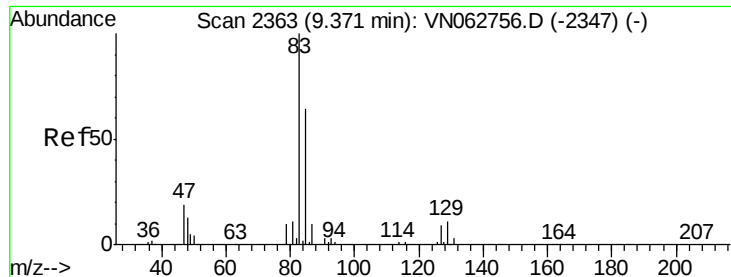
7.60

7.65

7.70

Time-->





#47

Bromodichloromethane

Concen: 0.693 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN062893.D

Acq: 13 Aug 2020 6:46

Instrument :

MSVOA_N

ClientSampleId :

BS-STOCK-4

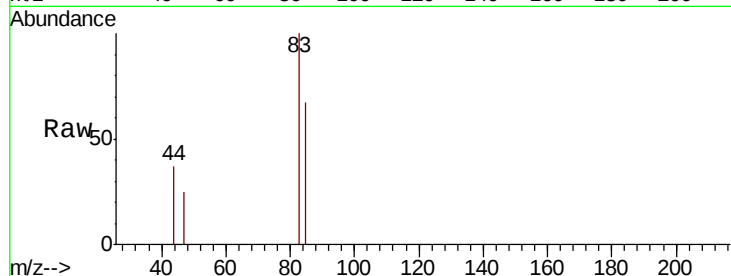
Tot Ion: 83 Resp: 1661

Ion Ratio Lower Upper

83 100

85 67.0 51.4 77.0

127 0.0 6.9 10.3#

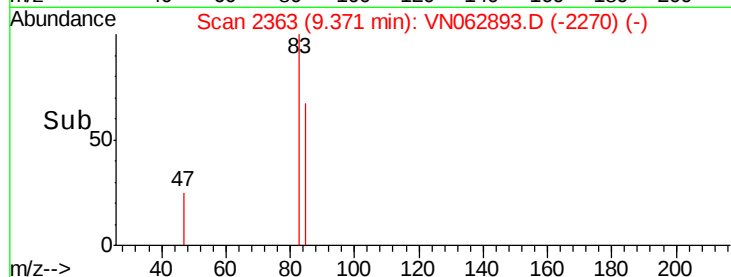


Abundance Ion 82.90 (82.60 to 83.60): VN062893.D (-2270) (-)

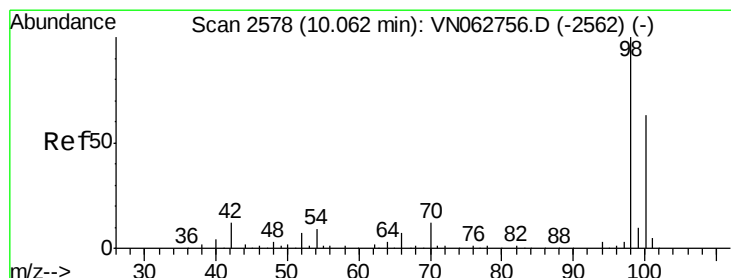
Ion 84.90 (84.60 to 85.60): VN062893.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN062893.D (-2270) (-)

Time-->



Time-->



#50

Toluene-d8

Concen: 49.644 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062893.D

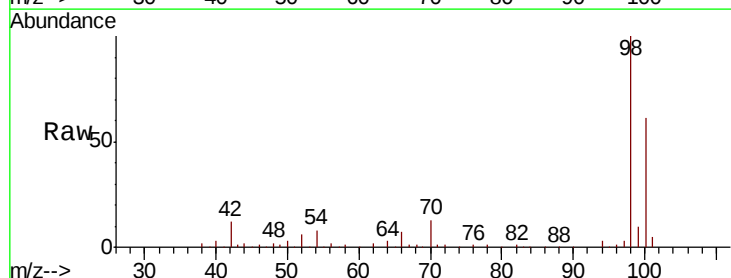
Acq: 13 Aug 2020 6:46

Tgt Ion: 98 Resp: 274759

Ion Ratio Lower Upper

98 100

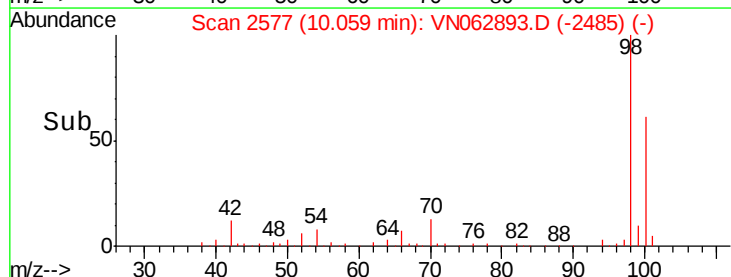
100 63.2 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN062893.D (-2485) (-)

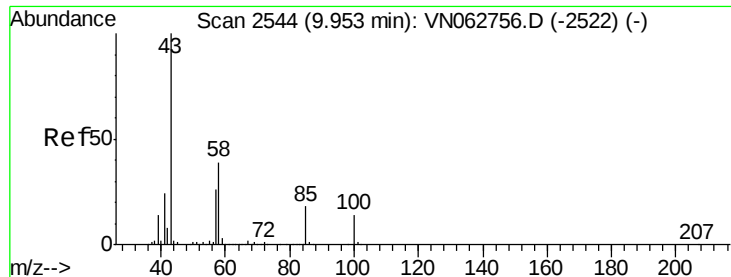
Ion 100.00 (99.70 to 100.70): VN062893.D (-2485) (-)

Time-->



Time-->

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.603 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062893.D

Acq: 13 Aug 2020 6:46

Instrument :

MSVOA_N

ClientSampled :

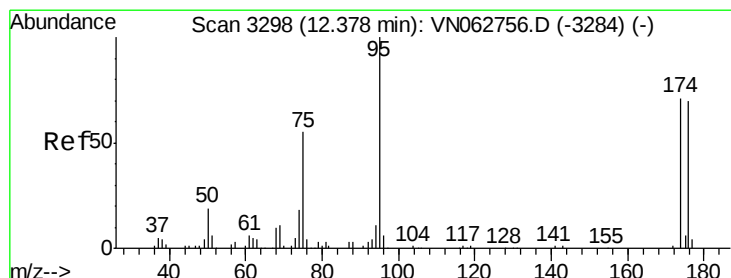
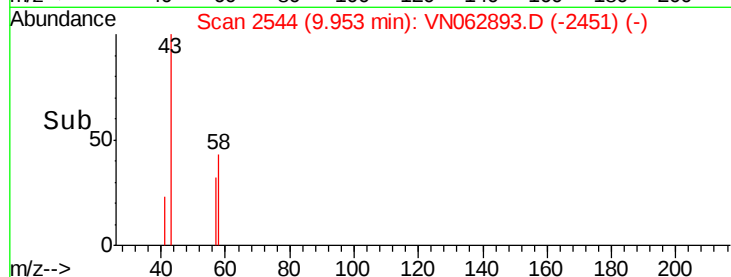
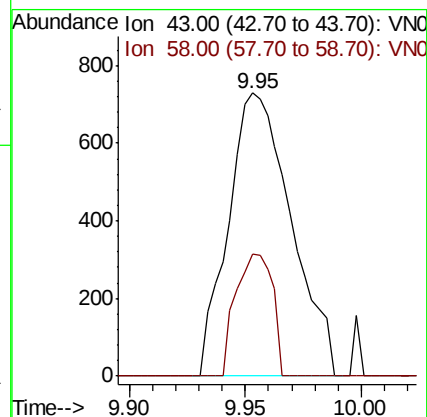
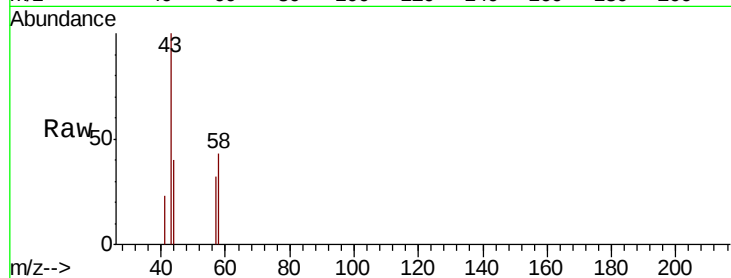
BS-STOCK-4

Tot Ion: 43 Resp: 1372

Ion Ratio Lower Upper

43 100

58 25.1 31.1 46.7#



#62

4-Bromofluorobenzene

Concen: 47.887 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062893.D

Acq: 13 Aug 2020 6:46

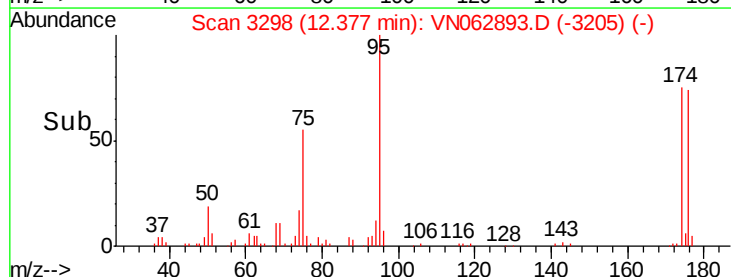
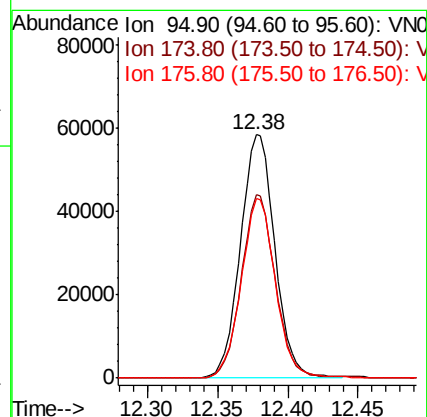
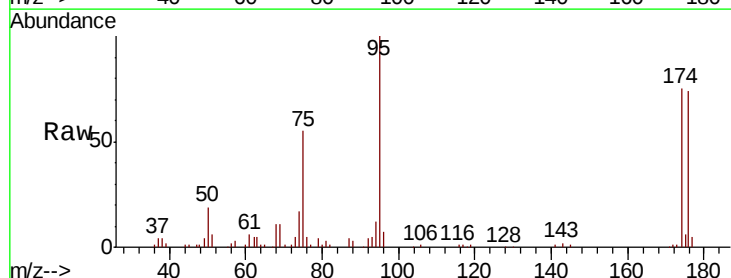
Tgt Ion: 95 Resp: 100158

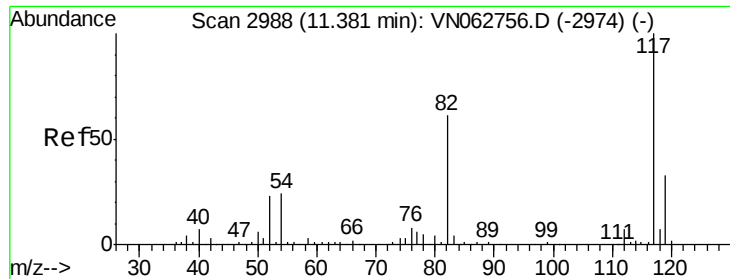
Ion Ratio Lower Upper

95 100

174 74.6 0.0 144.8

176 73.6 0.0 142.2

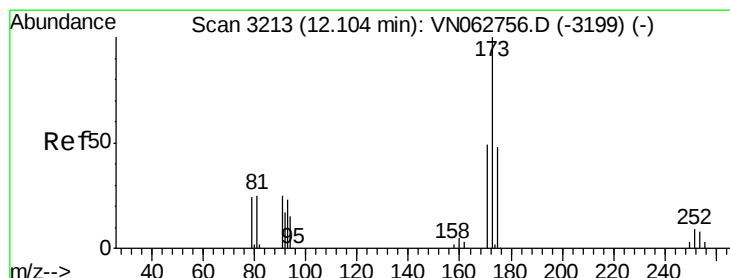
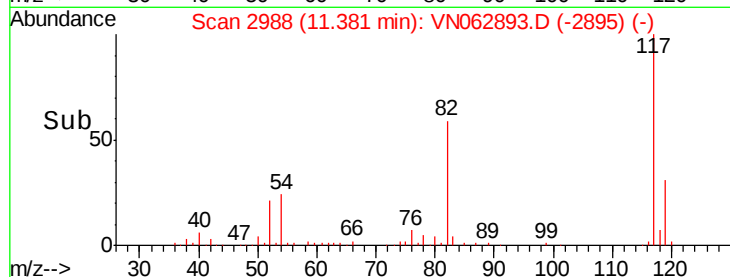
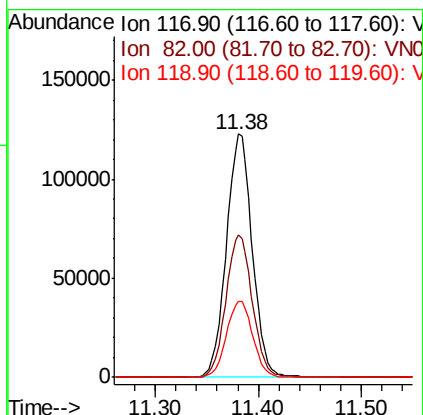
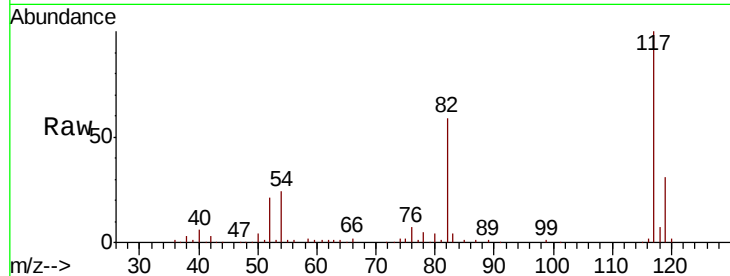




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062893.D
Acq: 13 Aug 2020 6:46

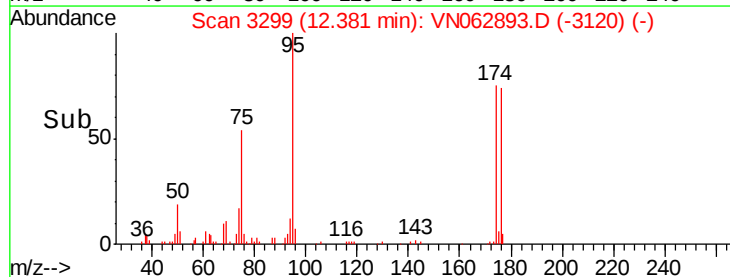
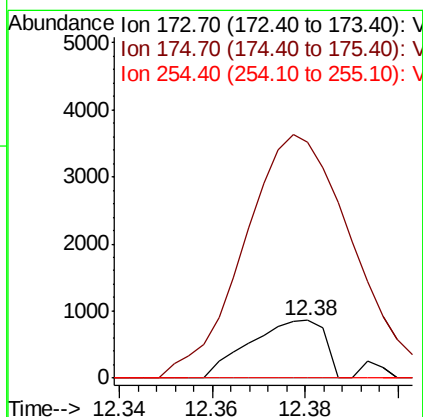
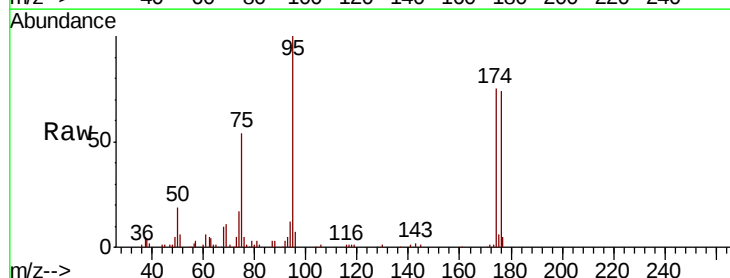
Instrument :
MSVOA_N
ClientSampleId :
BS-STOCK-4

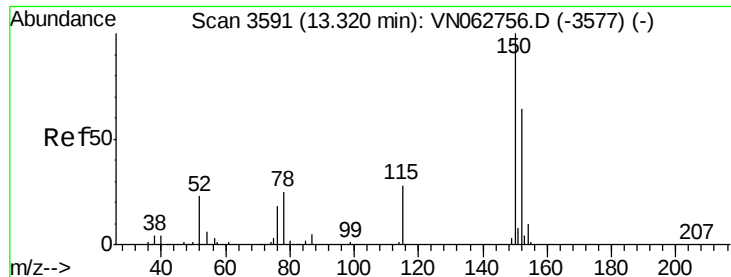
Tot Ion:117 Resp: 215293
Ion Ratio Lower Upper
117 100
82 58.7 49.0 73.4
119 31.2 26.2 39.2



#71
Bromoform
Concen: 0.659 ug/l
RT: 12.38 min Scan# 3299
Delta R.T. 0.28 min
Lab File: VN062893.D
Acq: 13 Aug 2020 6:46

Tgt Ion:173 Resp: 974
Ion Ratio Lower Upper
173 100
175 533.2 24.0 72.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN062893.D

Acq: 13 Aug 2020 6:46

Instrument :

MSVOA_N

ClientSampleId :

BS-STOCK-4

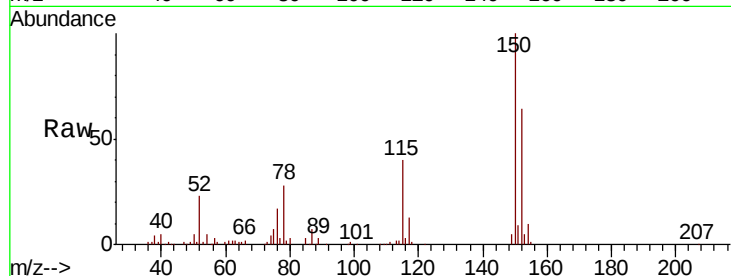
Tot Ion:152 Resp: 80919

Ion Ratio Lower Upper

152 100

115 62.7 31.6 94.8

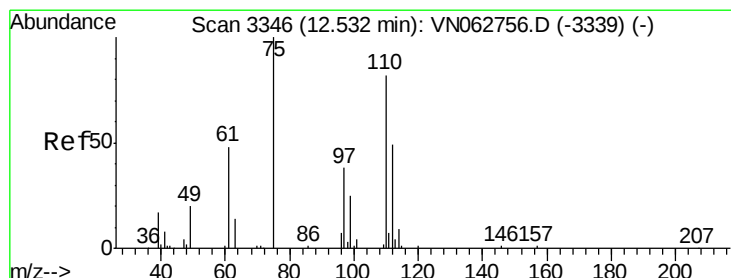
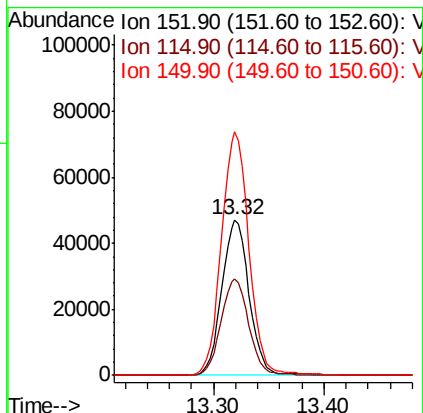
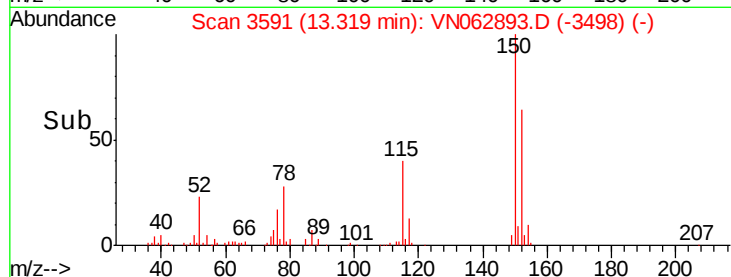
150 157.1 0.0 349.2



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: 24.745 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062893.D

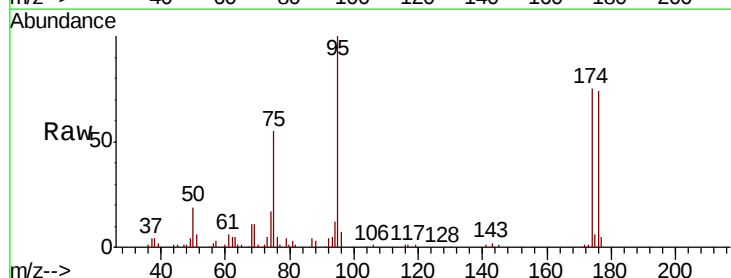
Acq: 13 Aug 2020 6:46

Tgt Ion: 75 Resp: 54000

Ion Ratio Lower Upper

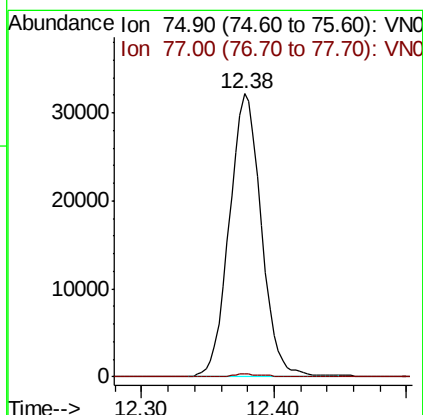
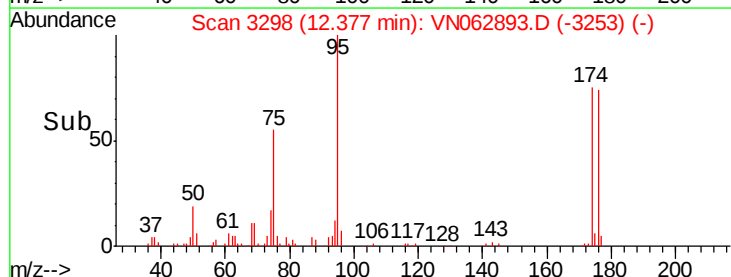
75 100

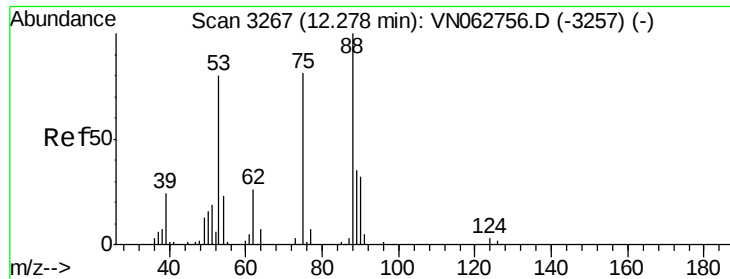
77 0.9 0.0 0.0#



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: 75.538 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062893.D

Acq: 13 Aug 2020 6:46

Instrument :

MSVOA_N

ClientSampled :

BS-STOCK-4

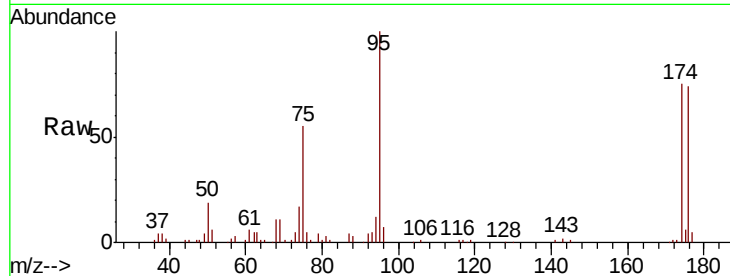
Tot Ion: 75 Resp: 54000

Ion Ratio Lower Upper

75 100

53 0.0 79.1 118.7#

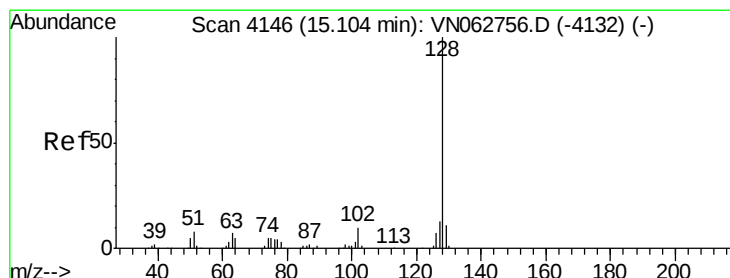
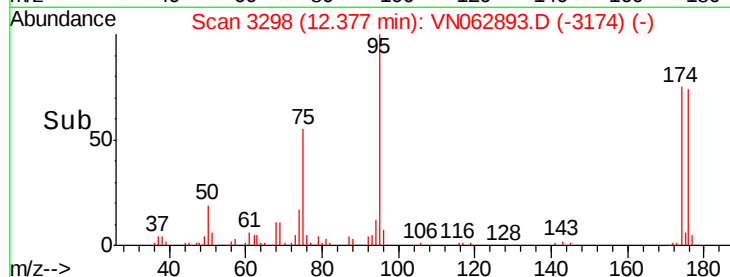
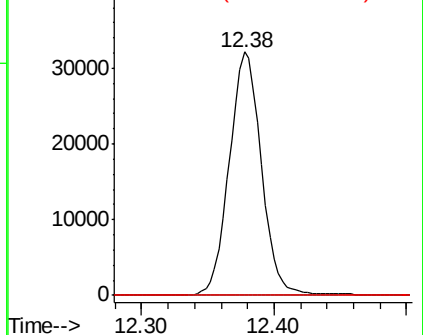
89 0.0 36.2 54.2#



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: 3.820 ug/l

RT: 15.12 min Scan# 4150

Delta R.T. 0.01 min

Lab File: VN062893.D

Acq: 13 Aug 2020 6:46

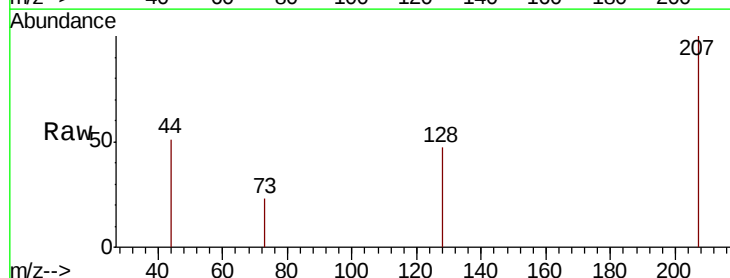
Tgt Ion: 128 Resp: 451

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) (-)

