

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081320\
 Data File : VN062911.D
 Acq On : 13 Aug 2020 15:15
 Operator : JC/MD
 Sample : L3619-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

Quant Time: Aug 14 05:08:09 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	127349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	220501	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	224328	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	86274	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	108477	51.51	ug/l	0.00
Spiked Amount			Recovery	=	103.02%	
35) Dibromofluoromethane	7.55	113	76590	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	
50) Toluene-d8	10.06	98	280627	47.65	ug/l	0.00
Spiked Amount			Recovery	=	95.30%	
62) 4-Bromofluorobenzene	12.38	95	105458	47.39	ug/l	0.00
Spiked Amount			Recovery	=	94.78%	

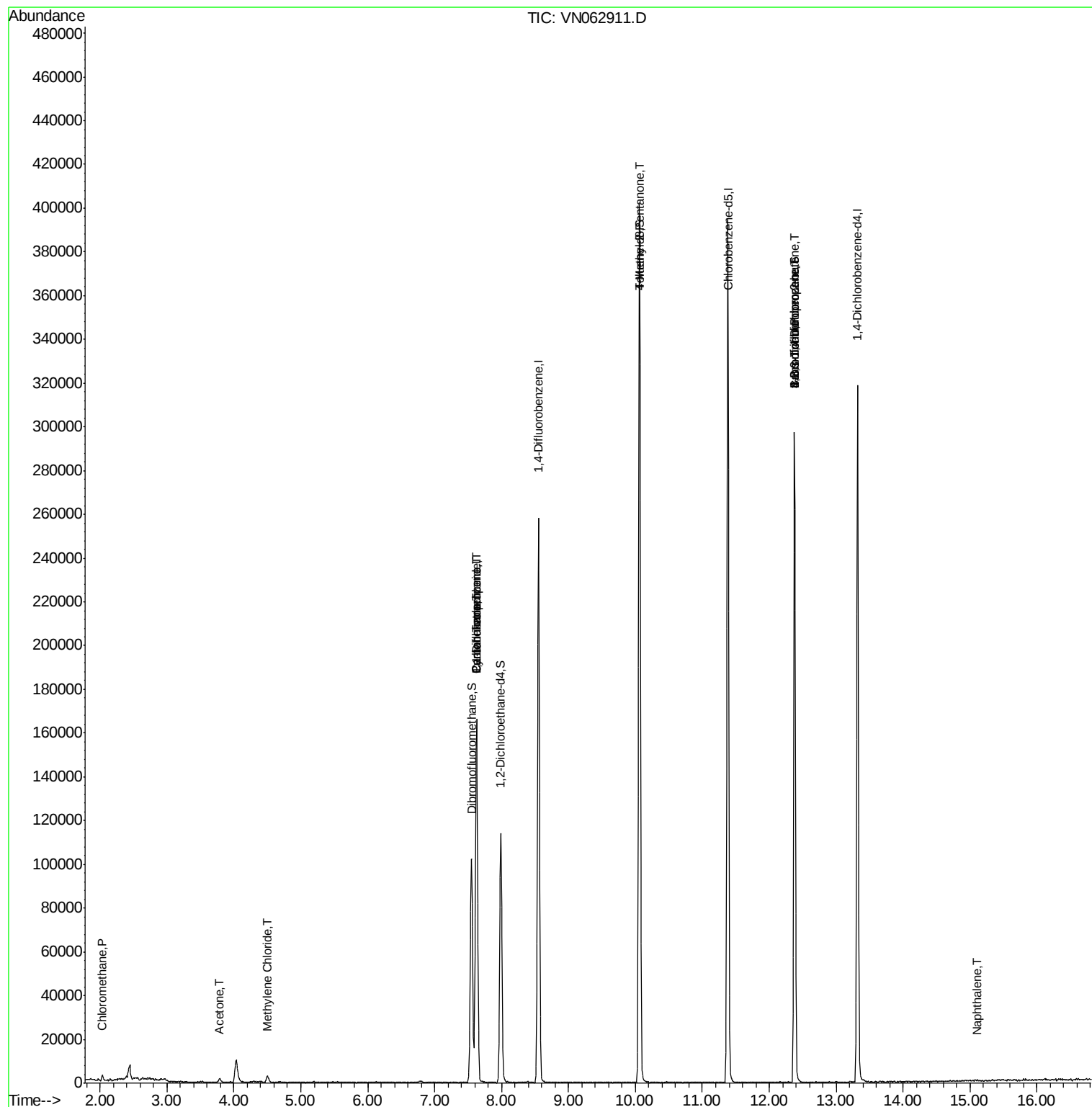
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	2479	1.441	ug/l	93
16) Acetone	3.78	43	3096	4.069	ug/l	93
18) Methyl Acetate	4.28	43	305	Below Cal	#	52
20) Methylene Chloride	4.50	84	2360	0.949	ug/l	83
31) Cyclohexane	7.62	56	2675	1.048	ug/l #	2
36) 1,1-Dichloropropene	7.63	75	10612	4.943	ug/l #	51
38) Carbon Tetrachloride	7.63	117	13532	5.329	ug/l #	16
51) 4-Methyl-2-Pentanone	10.06	43	1181	0.488	ug/l #	1
71) Bromoform	12.38	173	1049	0.681	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	57922	24.894	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	57922	75.995	ug/l #	10
95) Naphthalene	15.11	128	161	3.746	ug/l #	68

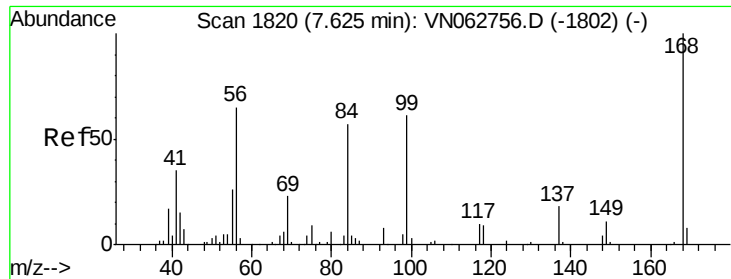
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 14 05:08:09 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: VN062911.D

Acq: 13 Aug 2020 15:15

Instrument :

MSVOA_N

ClientSampleId :

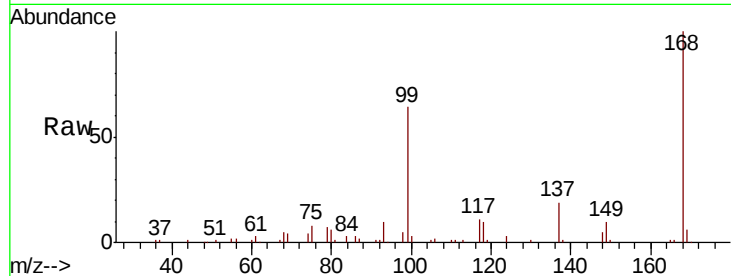
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:168 Resp: 127349

Ion Ratio Lower Upper

168 100

99 63.5 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

60000

50000

40000

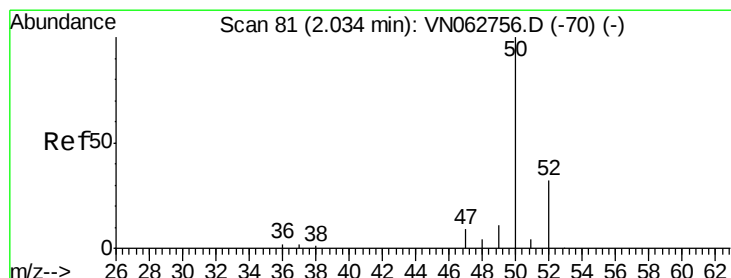
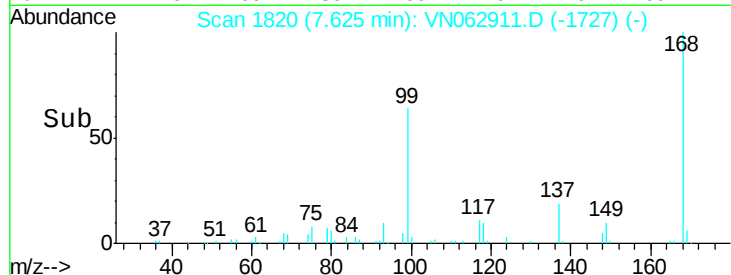
30000

20000

10000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 1.441 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062911.D

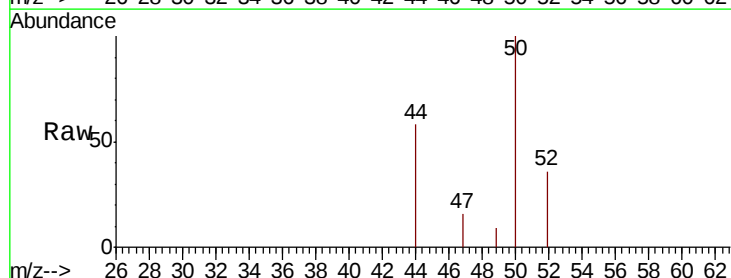
Acq: 13 Aug 2020 15:15

Tgt Ion: 50 Resp: 2479

Ion Ratio Lower Upper

50 100

52 35.9 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2000

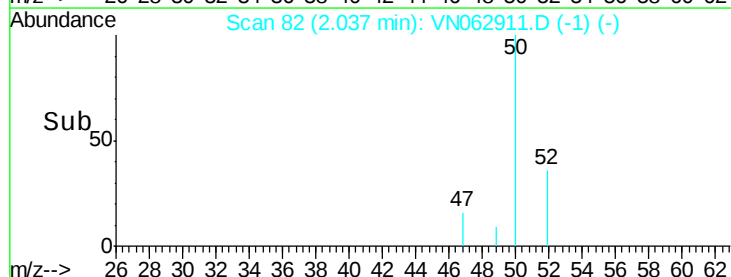
1500

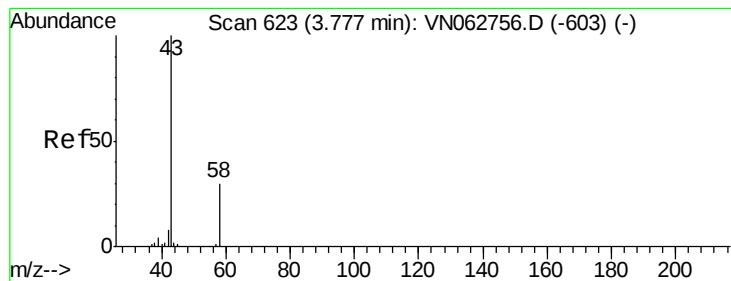
1000

500

0

Time--> 2.00 2.05





#16

Acetone

Concen: 4.069 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN062911.D

Acq: 13 Aug 2020 15:15

Instrument :

MSVOA_N

ClientSampleId :

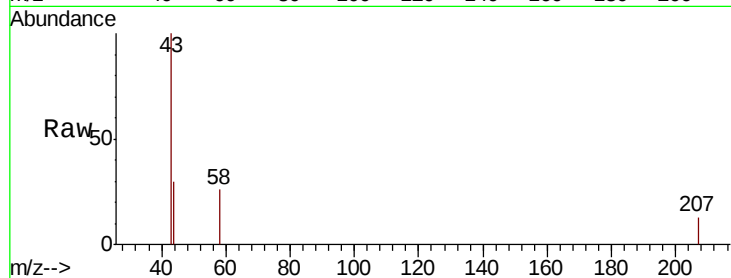
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 43 Resp: 3096

Ion Ratio Lower Upper

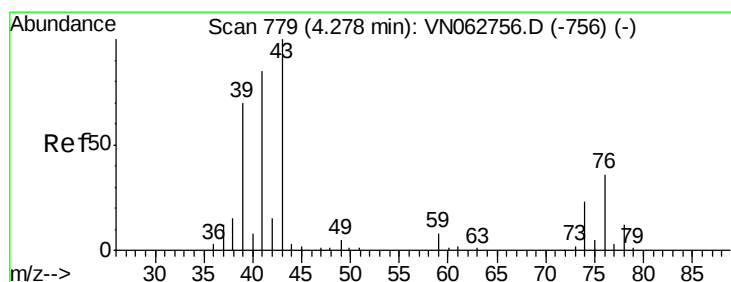
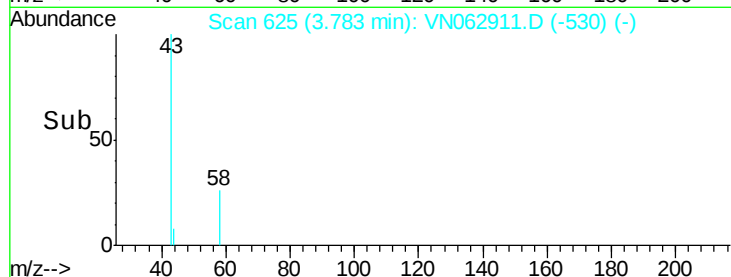
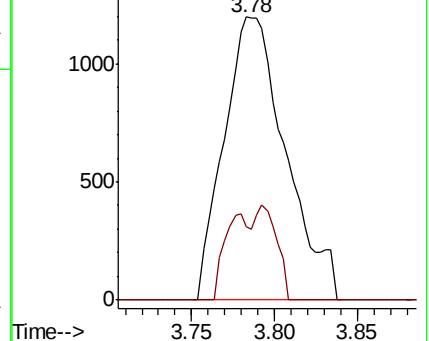
43 100

58 26.1 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: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN062911.D

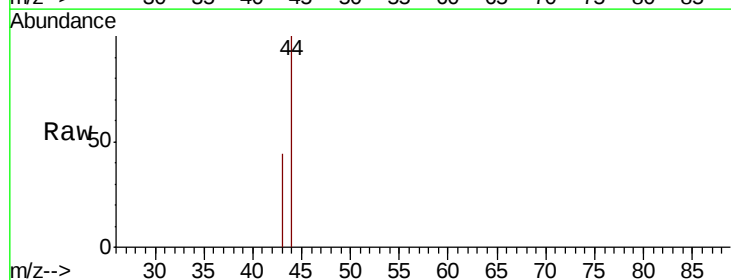
Acq: 13 Aug 2020 15:15

Tgt Ion: 43 Resp: 305

Ion Ratio Lower Upper

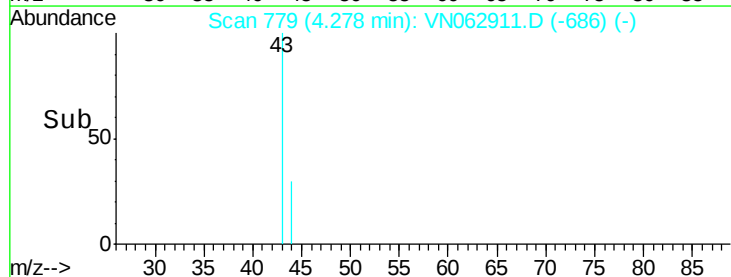
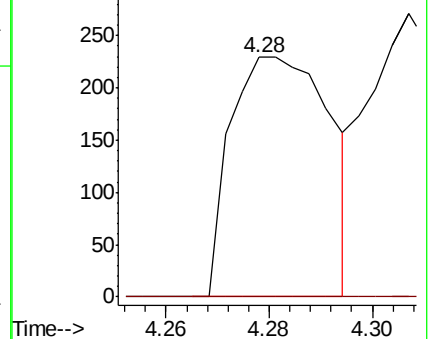
43 100

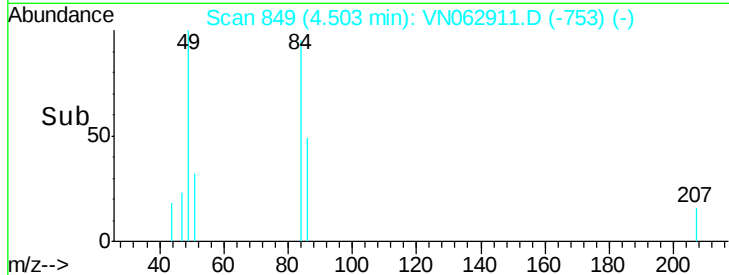
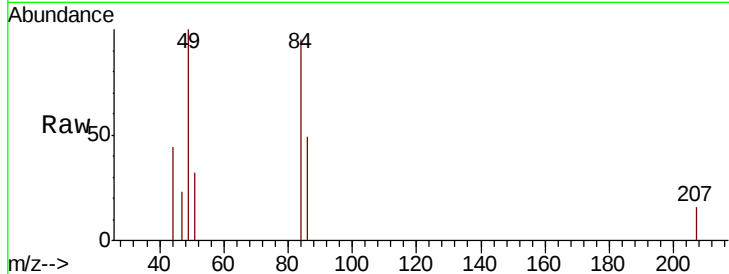
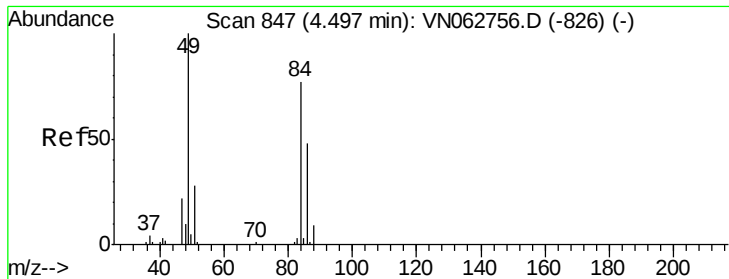
74 0.0 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

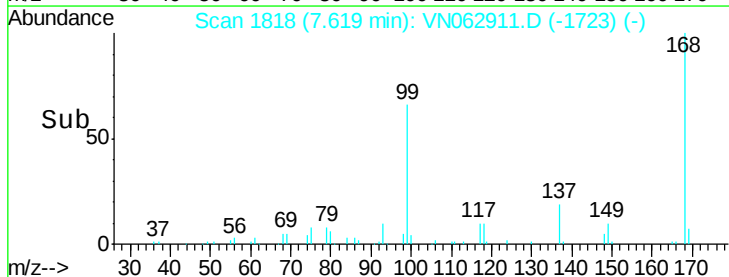
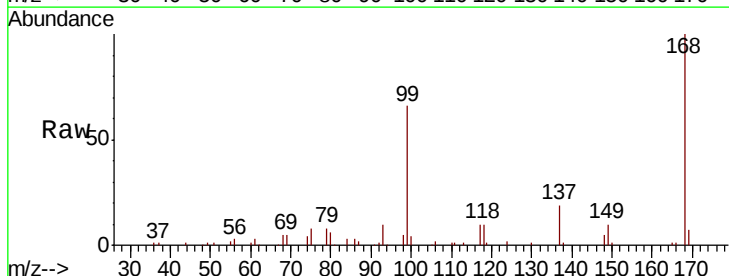
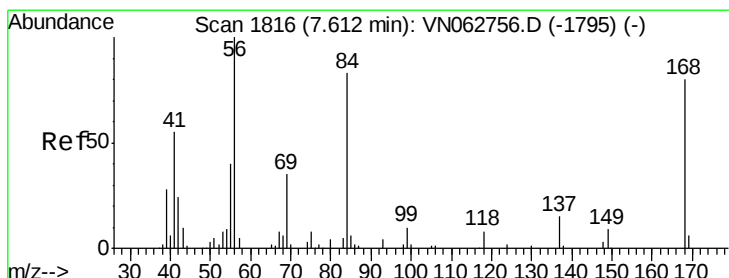
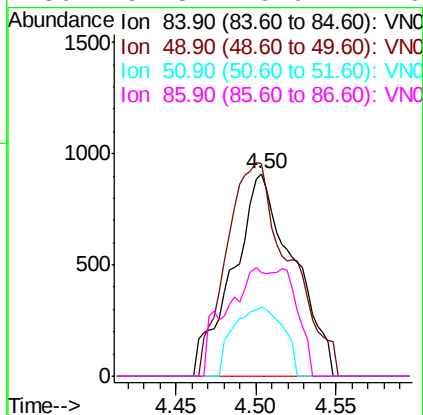




#20
Methvlene Chloride
Concen: 0.949 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.01 min
Lab File: VN062911.D
Acq: 13 Aug 2020 15:15

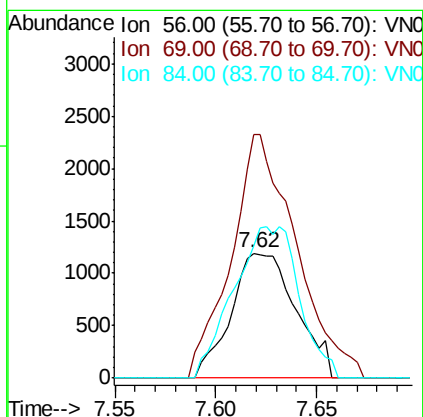
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

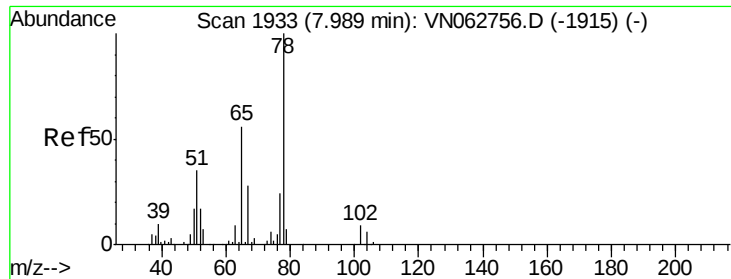
Tot Ion:	84	Resp:	2360
Ion	Ratio	Lower	Upper
84	100		
49	104.8	103.4	155.2
51	33.9	29.3	43.9
86	51.3	49.9	74.9



#31
Cyclohexane
Concen: 1.048 ug/l
RT: 7.62 min Scan# 1818
Delta R.T. 0.01 min
Lab File: VN062911.D
Acq: 13 Aug 2020 15:15

Tgt Ion:	56	Resp:	2675
Ion	Ratio	Lower	Upper
56	100		
69	194.3	28.1	42.1#
84	105.7	66.8	100.2#

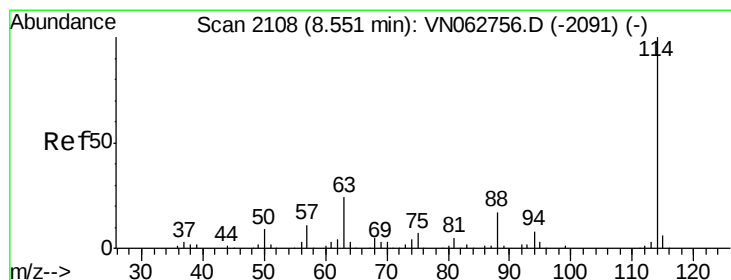
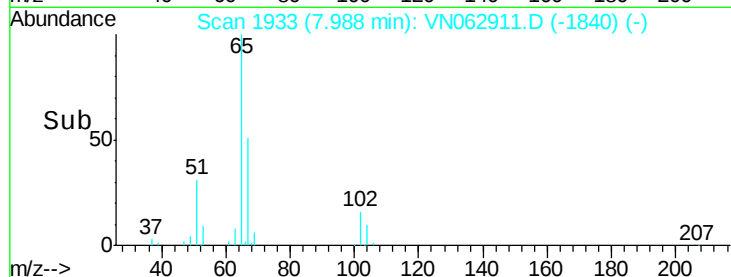
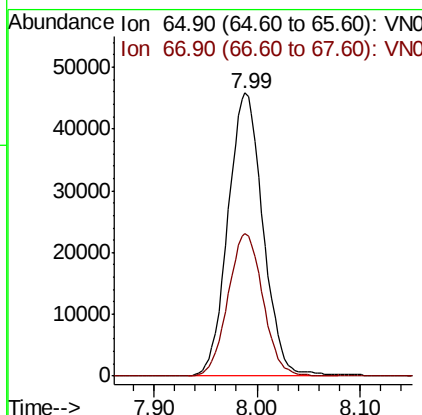
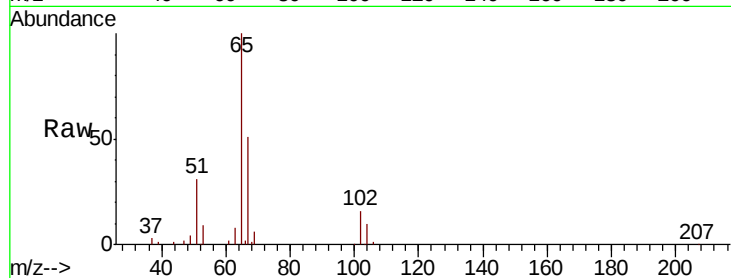




#33
 1,2-Dichloroethane-d4
 Concen: 51.510 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062911.D
 Acq: 13 Aug 2020 15:15

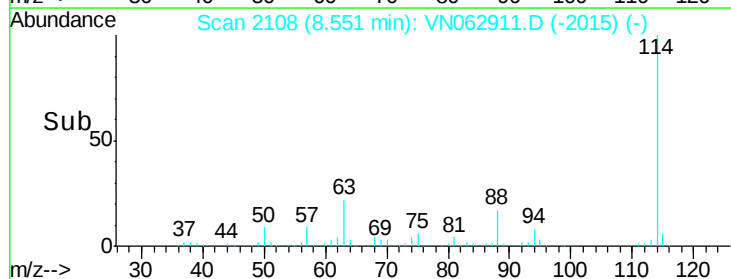
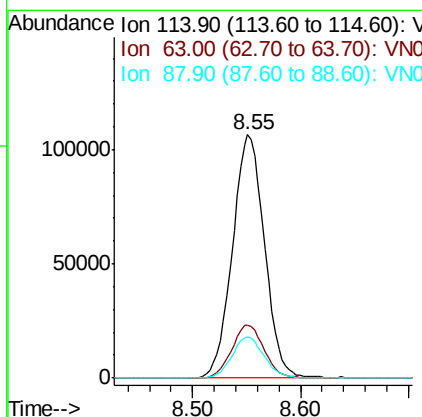
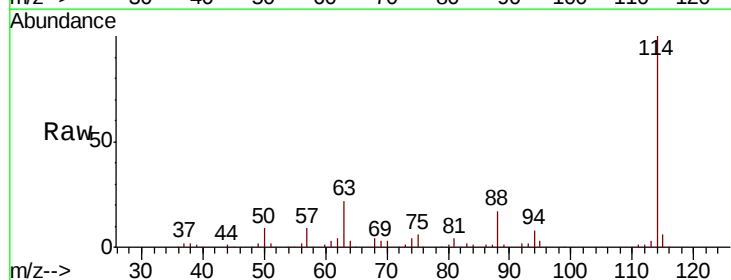
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

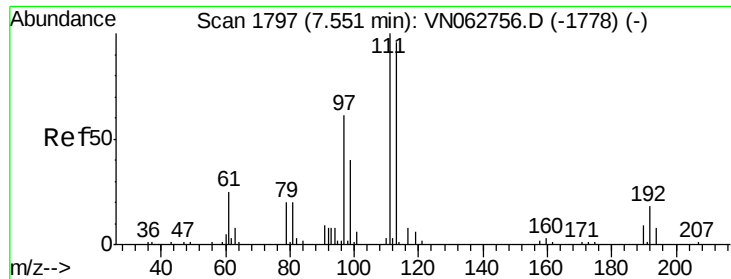
Tot Ion: 65 Resp: 108477
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062911.D
 Acq: 13 Aug 2020 15:15

Tgt Ion: 114 Resp: 220501
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 47.6
 88 17.1 0.0 34.4

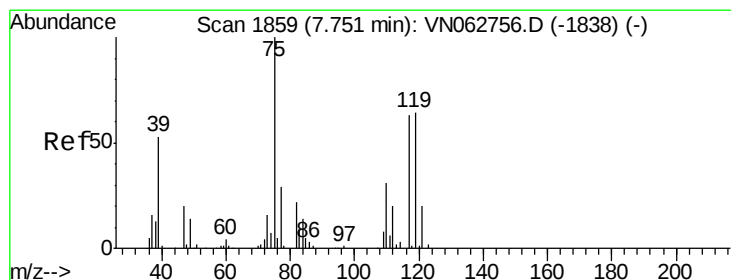
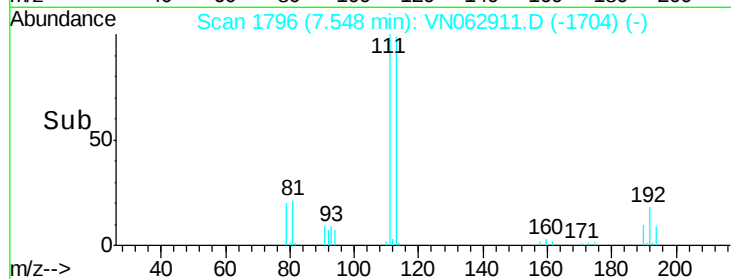
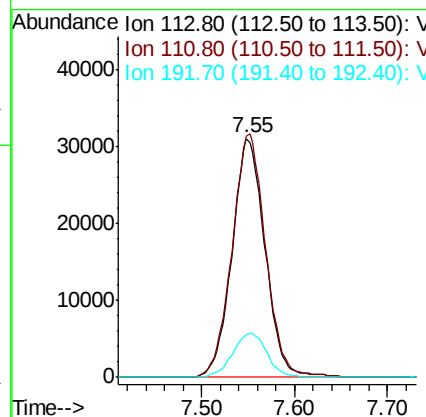
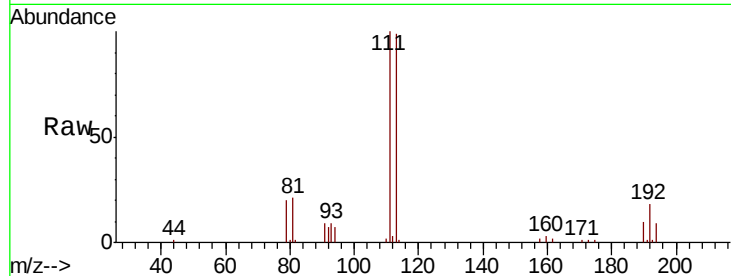




#35
 Dibromofluoromethane
 Concen: 50.777 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062911.D
 Acq: 13 Aug 2020 15:15

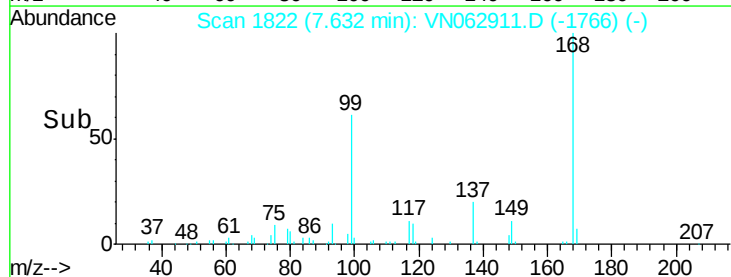
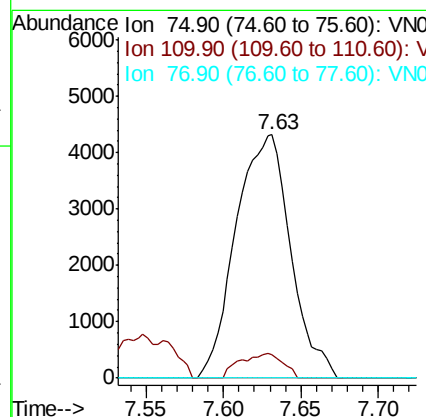
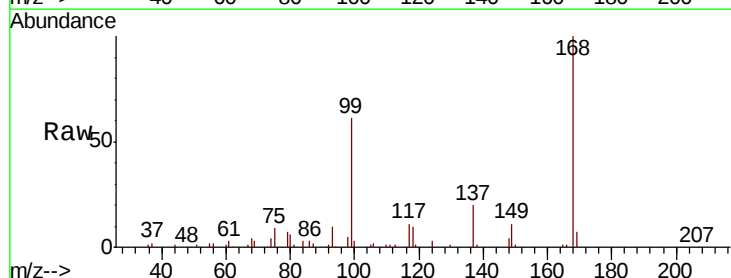
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

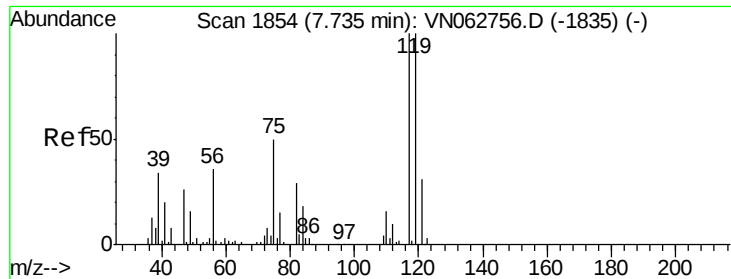
Tot Ion:113 Resp: 76590
 Ion Ratio Lower Upper
 113 100
 111 103.6 81.8 122.6
 192 19.0 15.0 22.4



#36
 1,1-Dichloropropene
 Concen: 4.943 ug/l
 RT: 7.63 min Scan# 1822
 Delta R.T. -0.12 min
 Lab File: VN062911.D
 Acq: 13 Aug 2020 15:15

Tgt Ion: 75 Resp: 10612
 Ion Ratio Lower Upper
 75 100
 110 8.0 15.6 46.7#
 77 0.0 24.1 36.1#





#38

Carbon Tetrachloride

Concen: 5.329 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.11 min

Lab File: VN062911.D

Acq: 13 Aug 2020 15:15

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

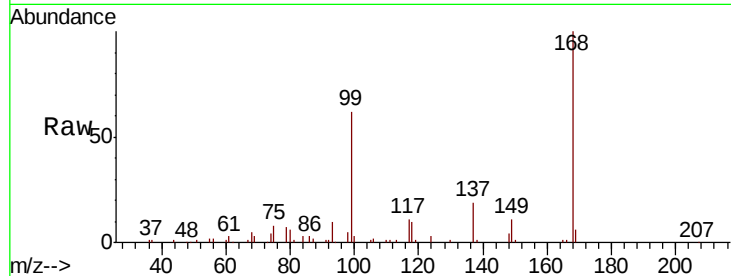
Tot Ion:117 Resp: 13532

Ion Ratio Lower Upper

117 100

119 7.3 79.4 119.2#

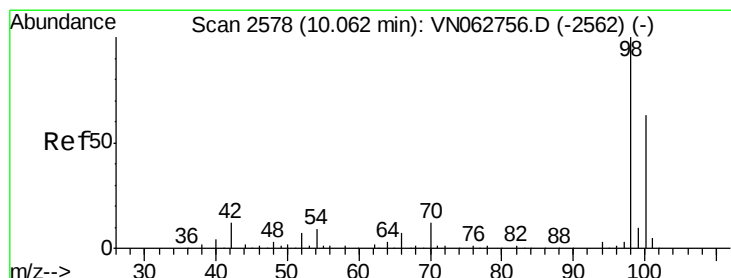
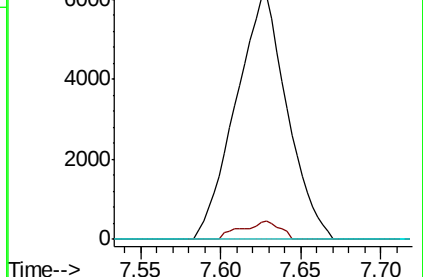
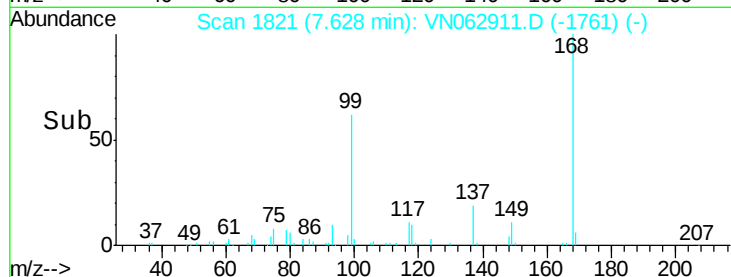
121 0.0 24.9 37.3#



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: 47.655 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. -0.00 min

Lab File: VN062911.D

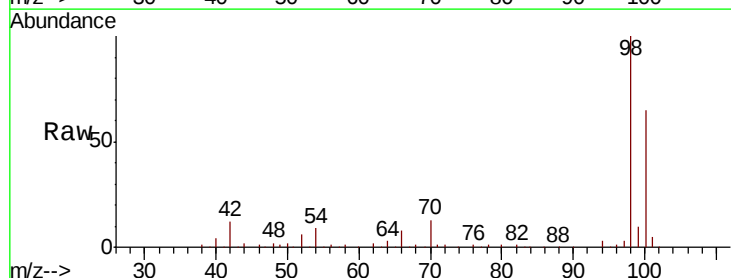
Acq: 13 Aug 2020 15:15

Tgt Ion: 98 Resp: 280627

Ion Ratio Lower Upper

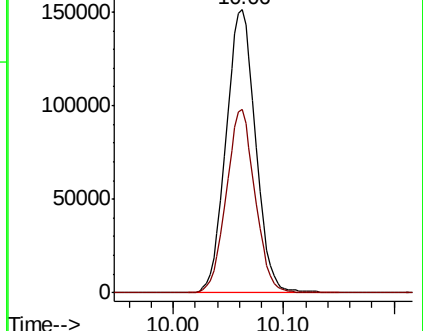
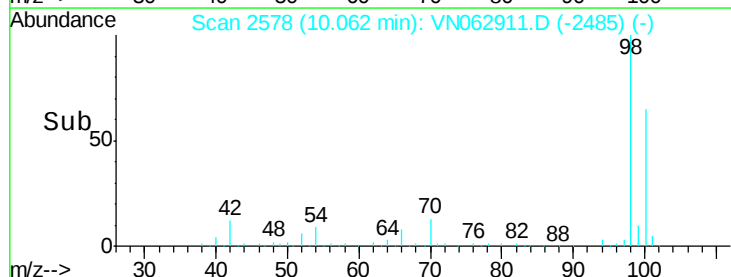
98 100

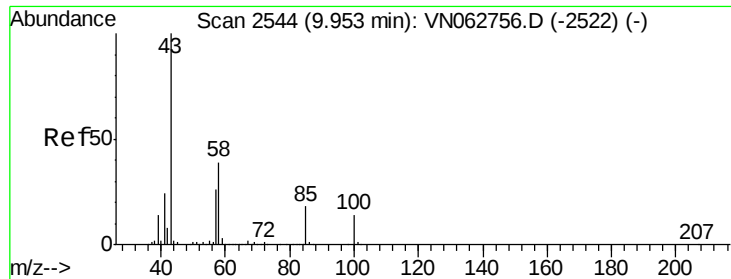
100 63.1 50.9 76.3



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: 0.488 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.11 min

Lab File: VN062911.D

Acq: 13 Aug 2020 15:15

Instrument :

MSVOA_N

ClientSampleId :

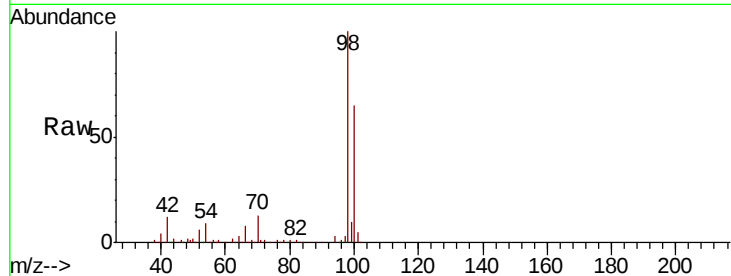
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 43 Resp: 1181

Ion Ratio Lower Upper

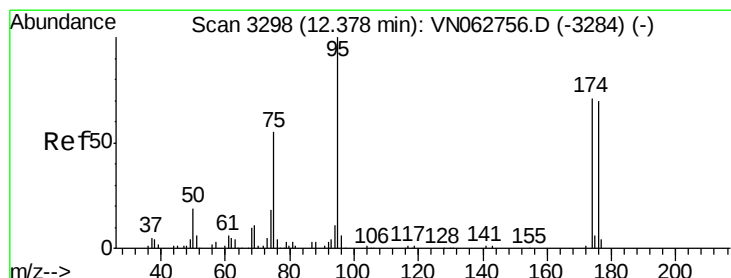
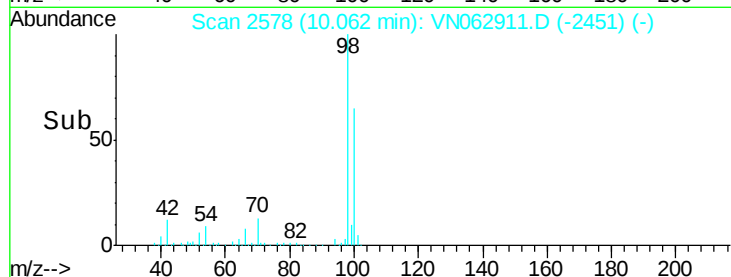
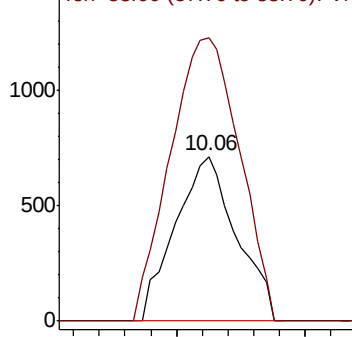
43 100

58 194.3 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: 47.389 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062911.D

Acq: 13 Aug 2020 15:15

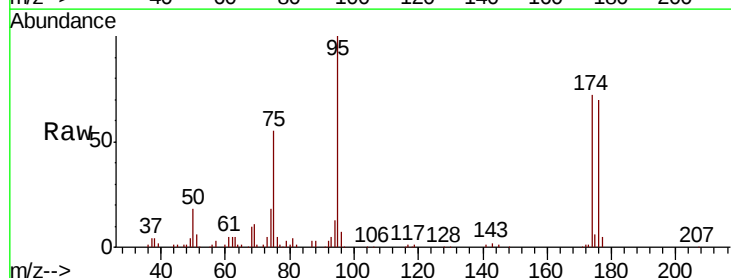
Tgt Ion: 95 Resp: 105458

Ion Ratio Lower Upper

95 100

174 75.5 0.0 144.8

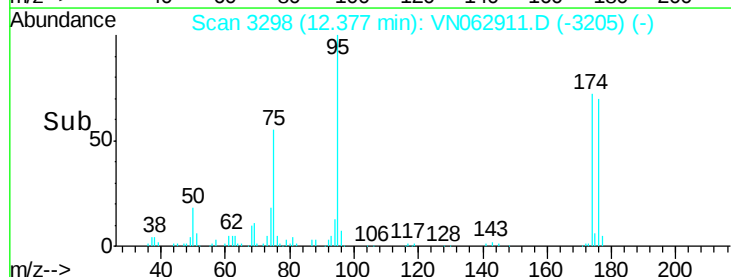
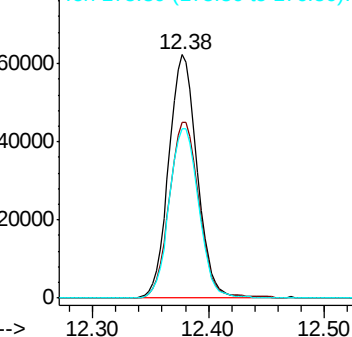
176 72.3 0.0 142.2

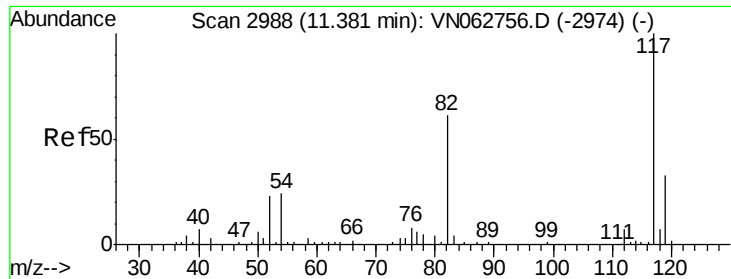


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

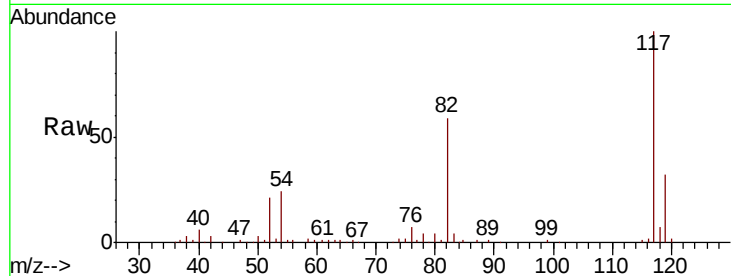




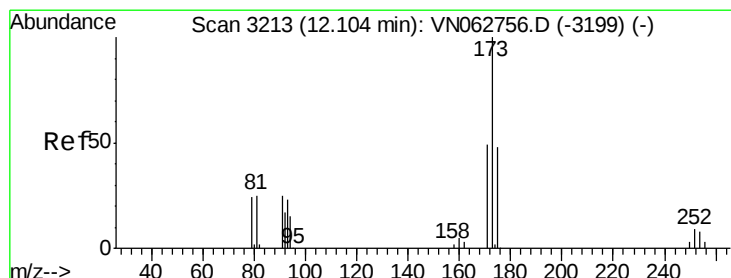
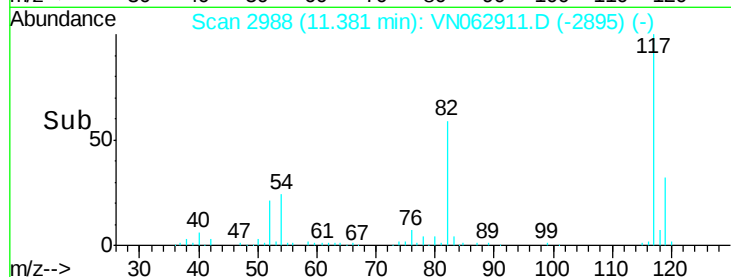
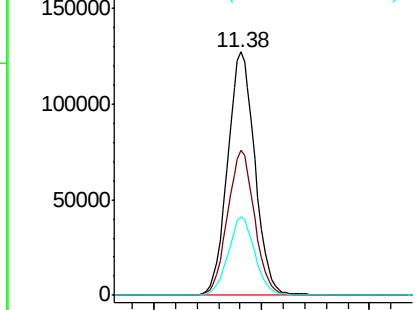
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062911.D
Acq: 13 Aug 2020 15:15

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:117 Resp: 224328
Ion Ratio Lower Upper
117 100
82 59.3 49.0 73.4
119 32.3 26.2 39.2

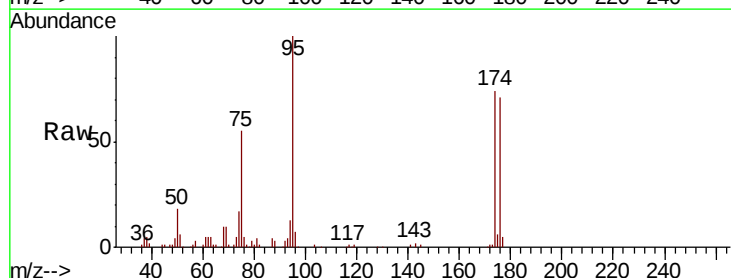


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

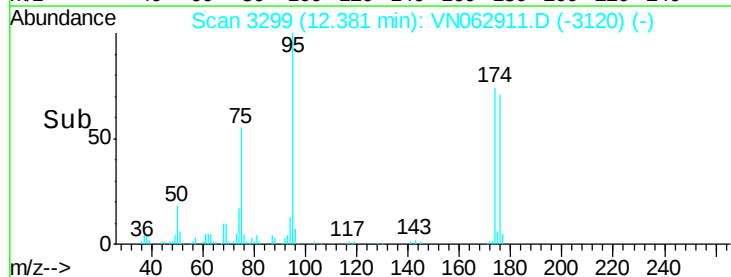
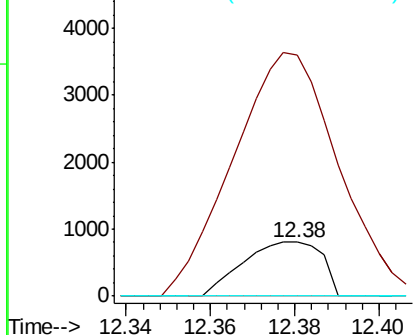


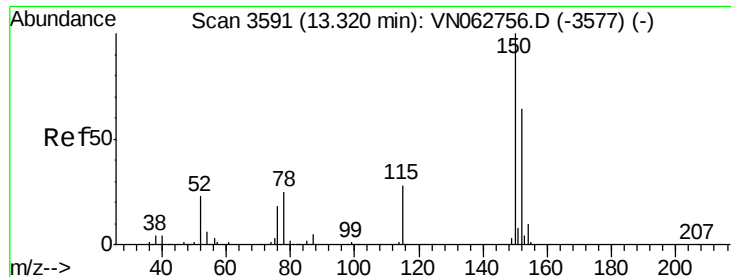
#71
Bromoform
Concen: 0.681 ug/l
RT: 12.38 min Scan# 3299
Delta R.T. 0.28 min
Lab File: VN062911.D
Acq: 13 Aug 2020 15:15

Tgt Ion:173 Resp: 1049
Ion Ratio Lower Upper
173 100
175 531.3 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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN062911.D

Acq: 13 Aug 2020 15:15

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

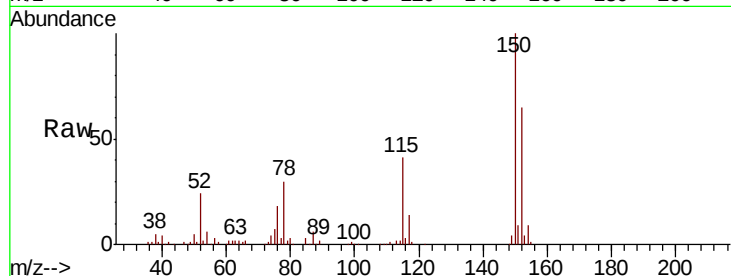
Tot Ion:152 Resp: 86274

Ion Ratio Lower Upper

152 100

115 63.4 31.6 94.8

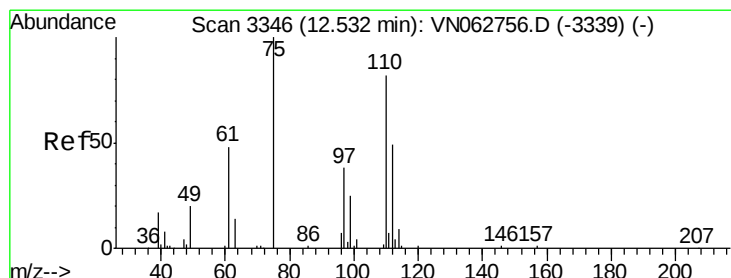
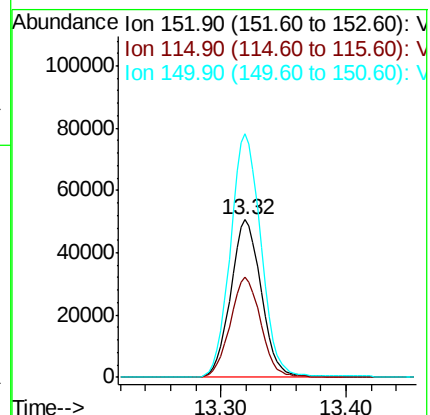
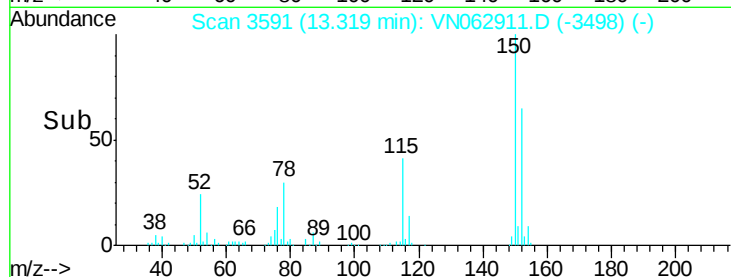
150 154.0 0.0 349.2



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: 24.894 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062911.D

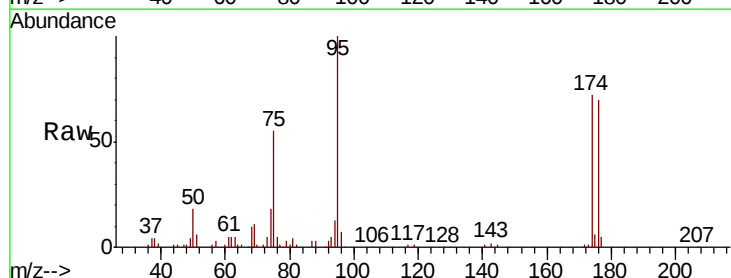
Acq: 13 Aug 2020 15:15

Tgt Ion: 75 Resp: 57922

Ion Ratio Lower Upper

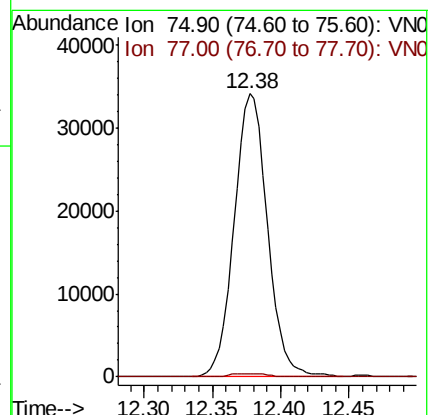
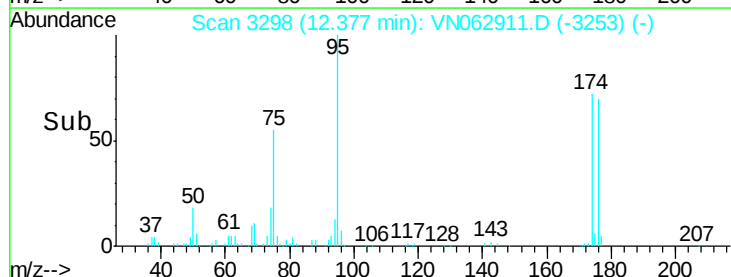
75 100

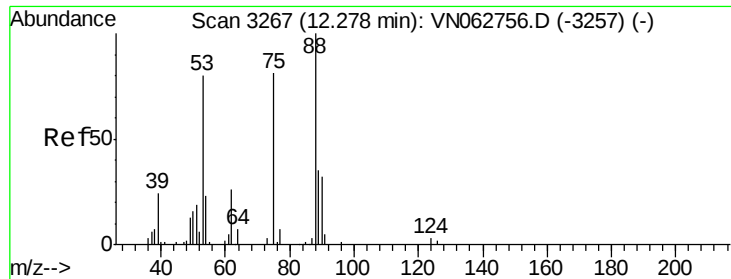
77 1.2 0.0 0.0#



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: 75.995 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062911.D

Acq: 13 Aug 2020 15:15

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

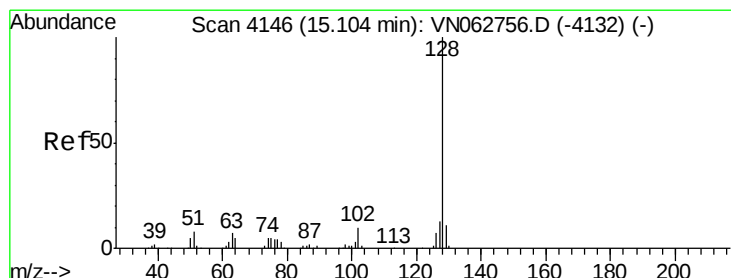
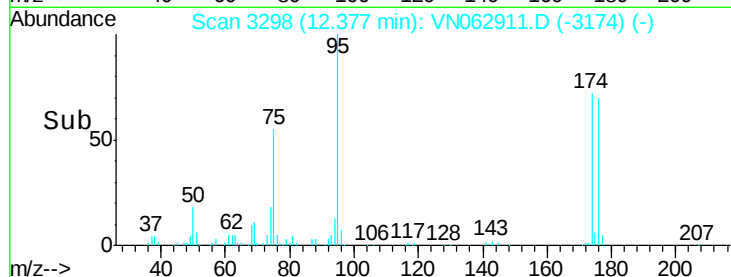
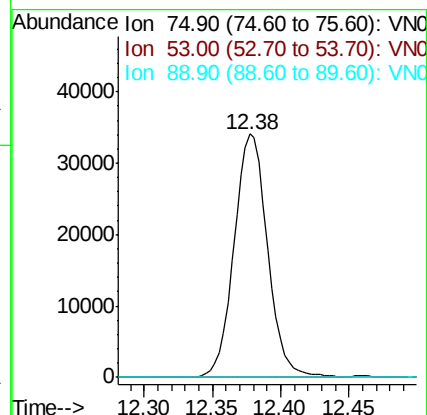
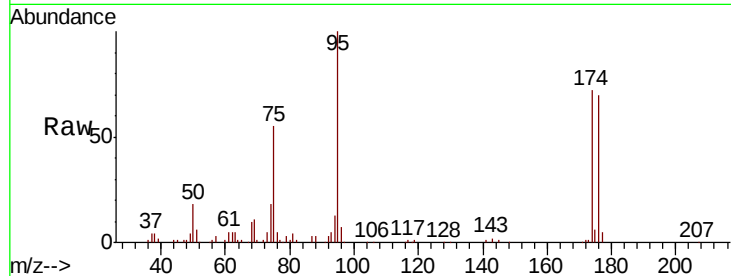
Tot Ion: 75 Resp: 57922

Ion Ratio Lower Upper

75 100

53 0.0 79.1 118.7#

89 0.0 36.2 54.2#



#95

Naphthalene

Concen: 3.746 ug/l

RT: 15.11 min Scan# 4149

Delta R.T. 0.01 min

Lab File: VN062911.D

Acq: 13 Aug 2020 15:15

Tgt Ion: 128 Resp: 161

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

129 0.0 8.8 13.2#

