

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120420\
 Data File : VN064920.D
 Acq On : 4 Dec 2020 15:41
 Operator : JC/MD
 Sample : L4954-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6695-120120

Quant Time: Dec 05 01:30:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	169138	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	296272	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	311474	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	140676	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	102266	52.01	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	104.02%
35) Dibromofluoromethane	7.55	113	95243	53.72	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	107.44%
50) Toluene-d8	10.06	98	369576	51.02	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.04%
62) 4-Bromofluorobenzene	12.38	95	145057	55.96	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	111.92%

Target Compounds

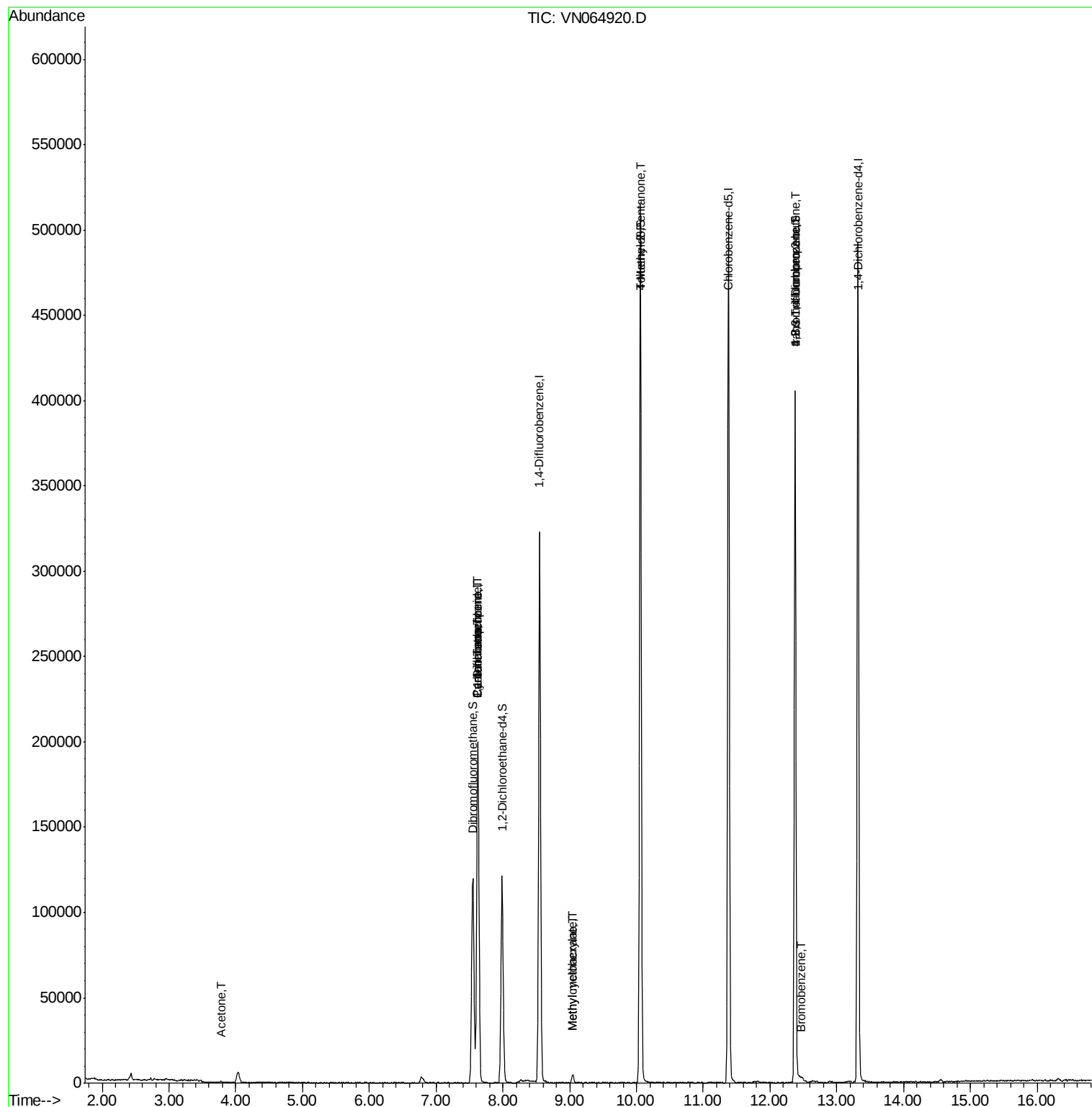
					Qvalue	
16) Acetone	3.78	43	881	1.363	ug/l #	43
31) Cyclohexane	7.62	56	3786	1.381	ug/l #	15
36) 1,1-Dichloropropene	7.63	75	11759	4.282	ug/l #	48
38) Carbon Tetrachloride	7.63	117	15707	5.497	ug/l #	18
39) Methylcyclohexane	9.05	83	2620	0.886	ug/l	94
48) Methyl methacrylate	9.05	41	998	0.491	ug/l #	47
51) 4-Methyl-2-Pentanone	10.06	43	1487	0.582	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	67878	22.405	ug/l #	100
77) Bromobenzene	12.47	156	1460	0.553	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.38	75	67878	61.407	ug/l #	15

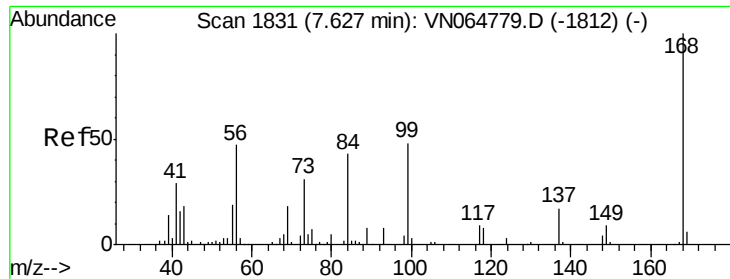
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Nov 23 13:54:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064920.D

Acq: 4 Dec 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

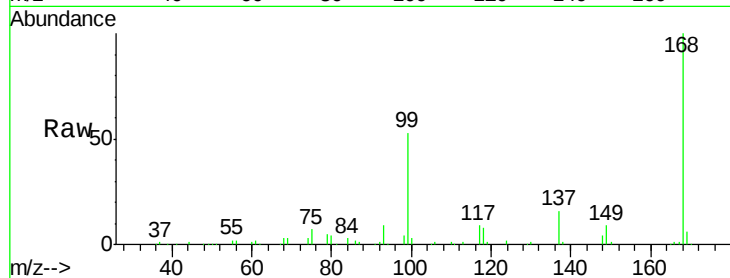
SS013-13-6695-120120

Tot Ion:168 Resp: 169138

Ion Ratio Lower Upper

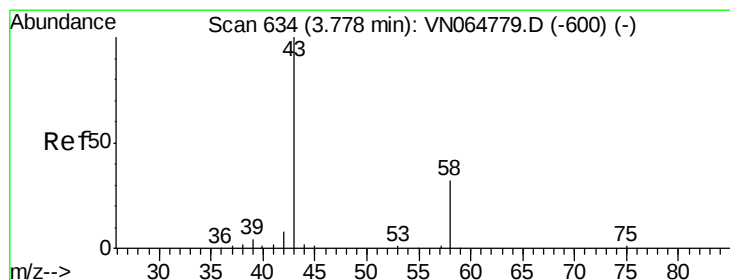
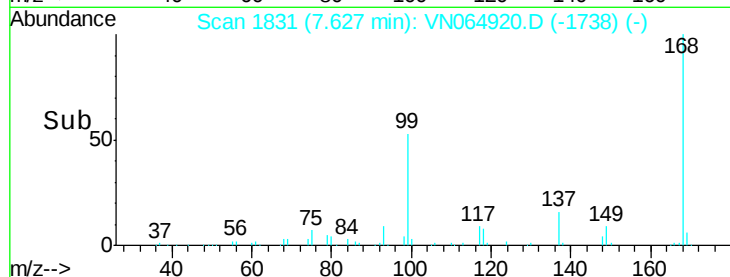
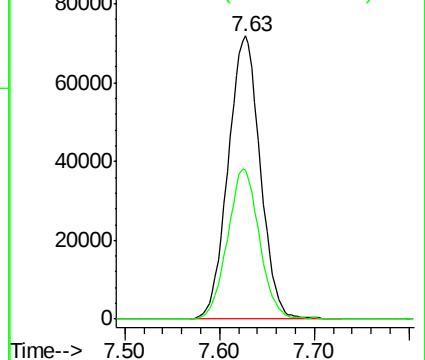
168 100

99 52.8 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 1.363 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN064920.D

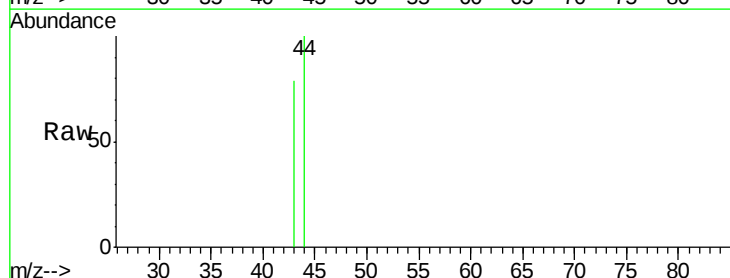
Acq: 4 Dec 2020 15:41

Tgt Ion: 43 Resp: 881

Ion Ratio Lower Upper

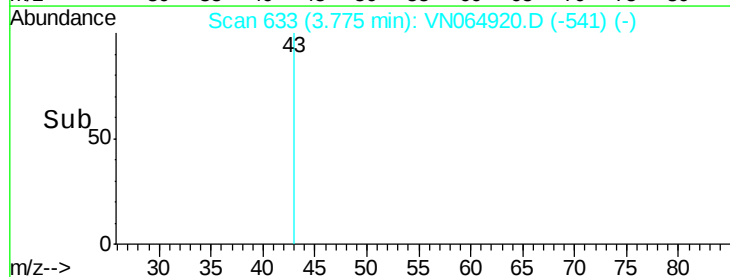
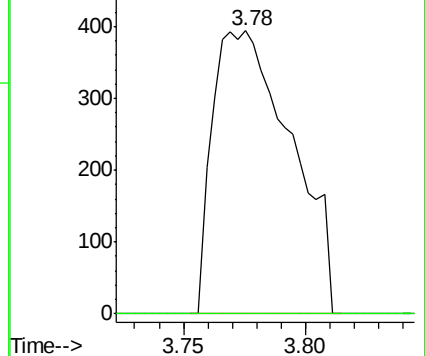
43 100

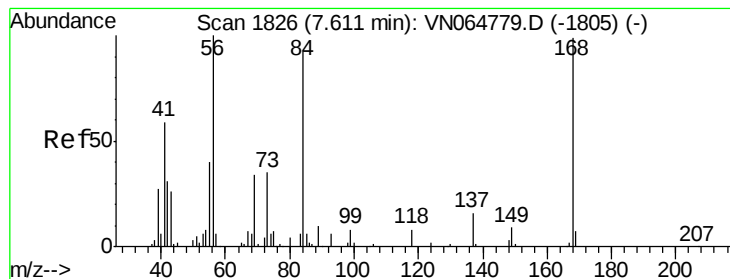
58 0.0 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#31

Cvclohexane

Concen: 1.381 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN064920.D

Acq: 4 Dec 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6695-120120

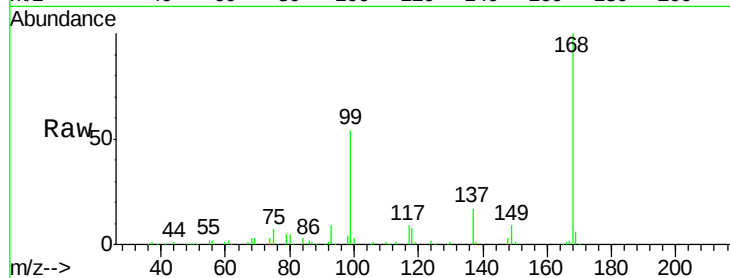
Tot Ion: 56 Resp: 3786

Ion Ratio Lower Upper

56 100

69 150.1 27.5 41.3#

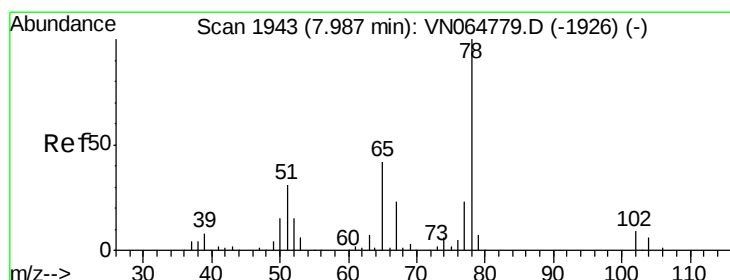
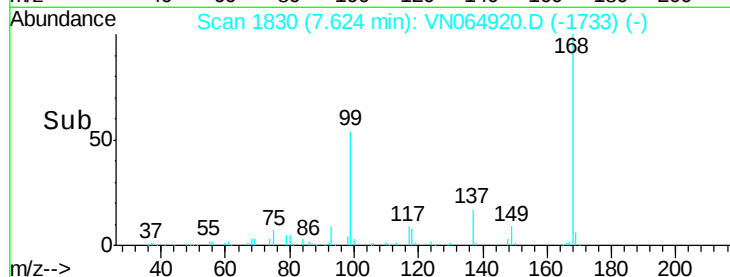
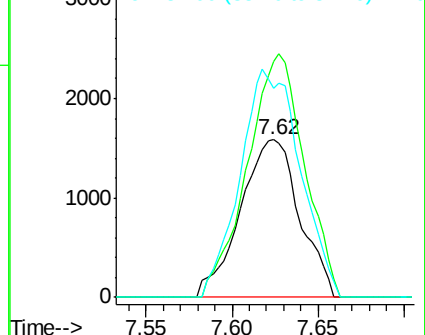
84 132.6 73.9 110.9#



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: 52.008 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064920.D

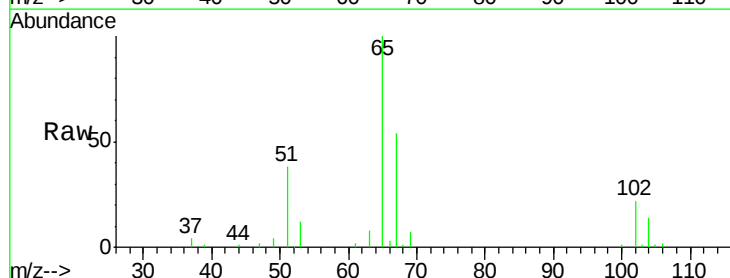
Acq: 4 Dec 2020 15:41

Tgt Ion: 65 Resp: 102266

Ion Ratio Lower Upper

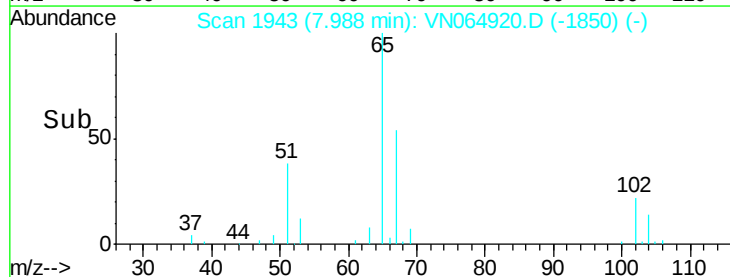
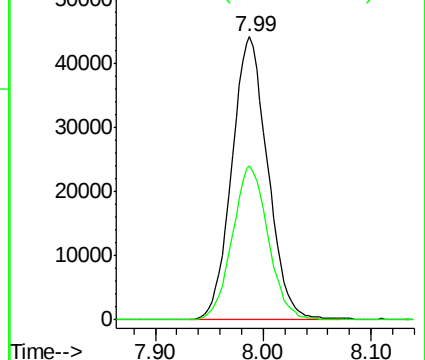
65 100

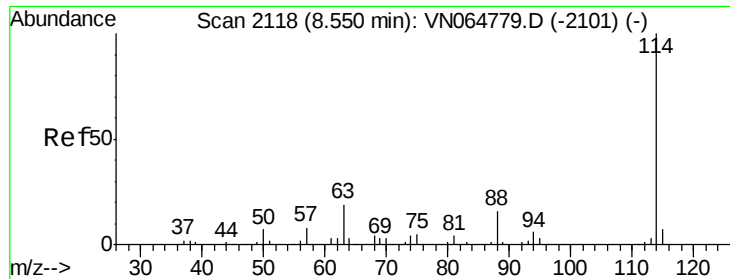
67 54.2 0.0 108.2



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# 2118

Delta R.T. 0.00 min

Lab File: VN064920.D

Acq: 4 Dec 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6695-120120

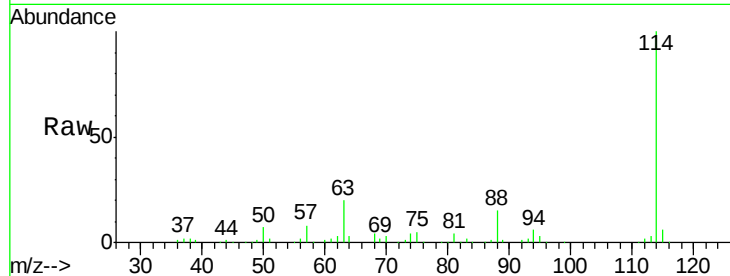
Tot Ion:114 Resp: 296272

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.6

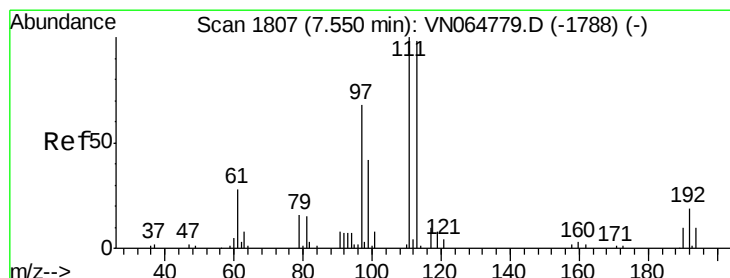
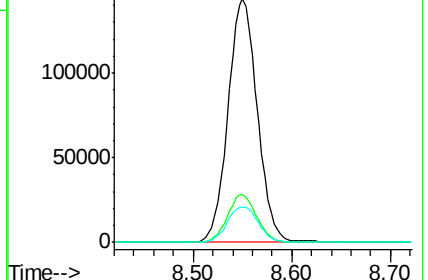
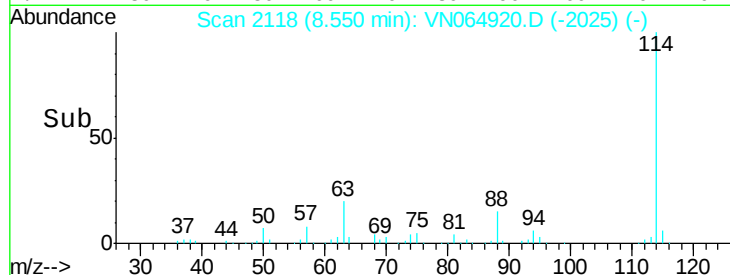
88 14.6 0.0 32.6



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: 53.725 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN064920.D

Acq: 4 Dec 2020 15:41

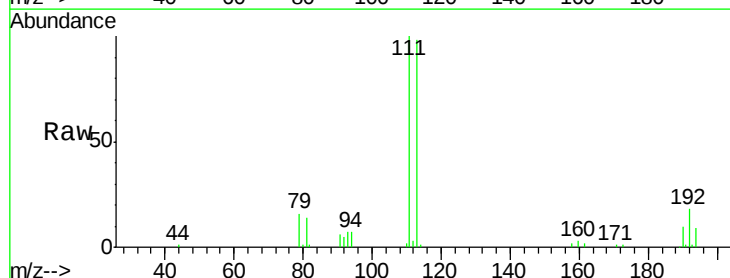
Tgt Ion:113 Resp: 95243

Ion Ratio Lower Upper

113 100

111 103.3 81.6 122.4

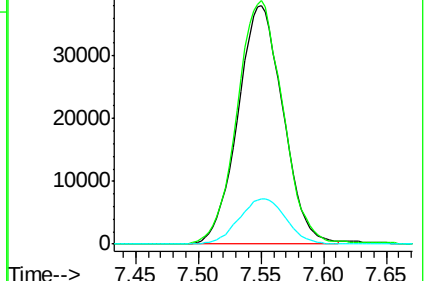
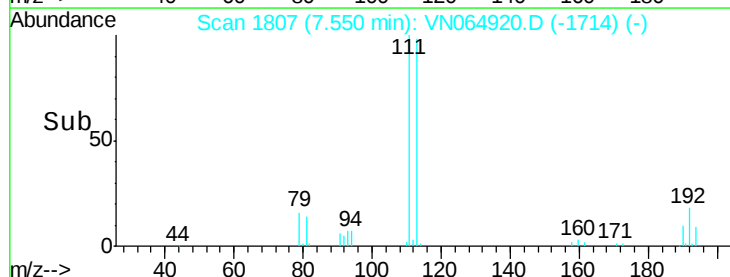
192 19.7 16.2 24.2

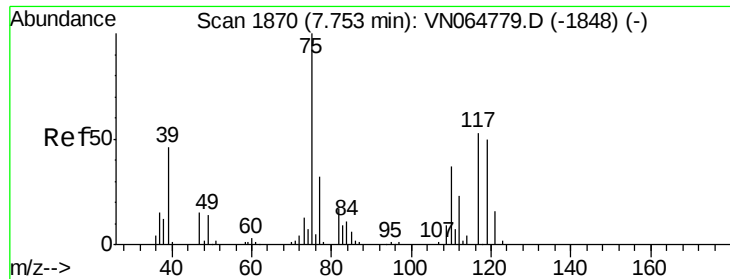


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.282 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN064920.D

Acq: 4 Dec 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6695-120120

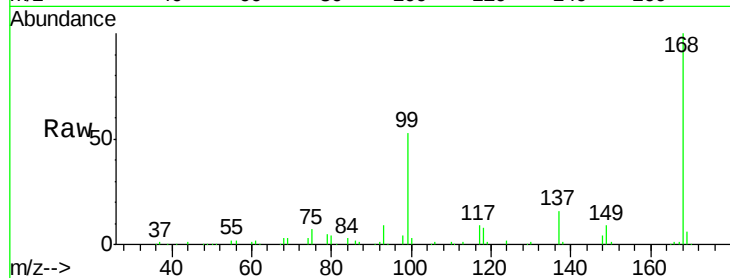
Tot Ion: 75 Resp: 11759

Ion Ratio Lower Upper

75 100

110 7.3 17.8 53.3#

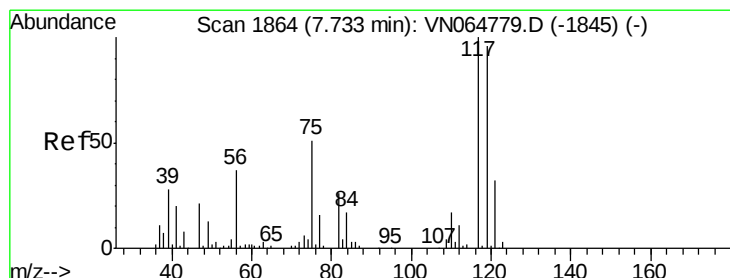
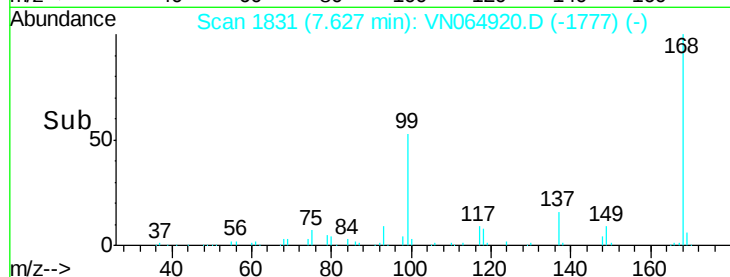
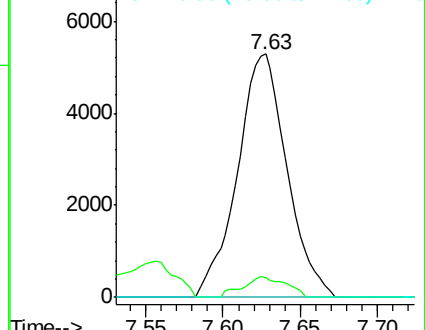
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0



#38

Carbon Tetrachloride

Concen: 5.497 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN064920.D

Acq: 4 Dec 2020 15:41

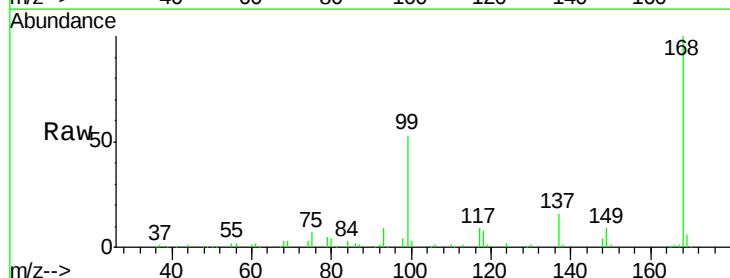
Tgt Ion: 117 Resp: 15707

Ion Ratio Lower Upper

117 100

119 7.2 76.7 115.1#

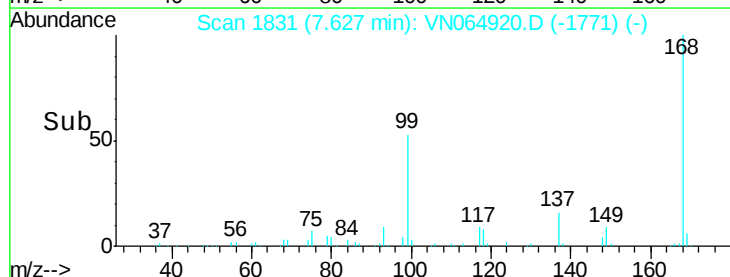
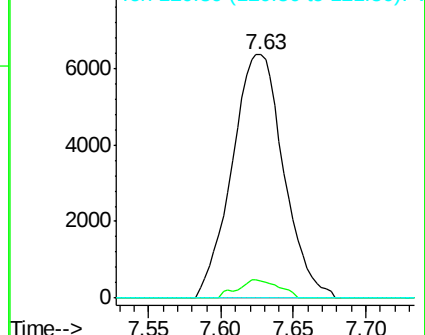
121 0.0 25.4 38.2#

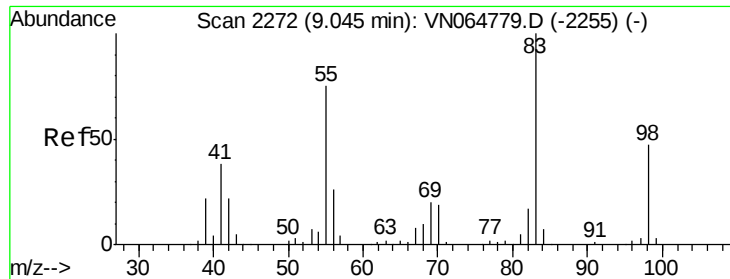


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

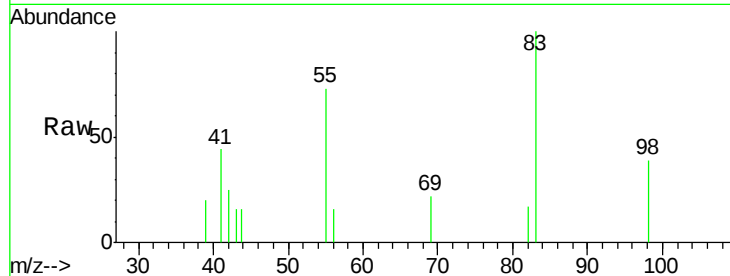




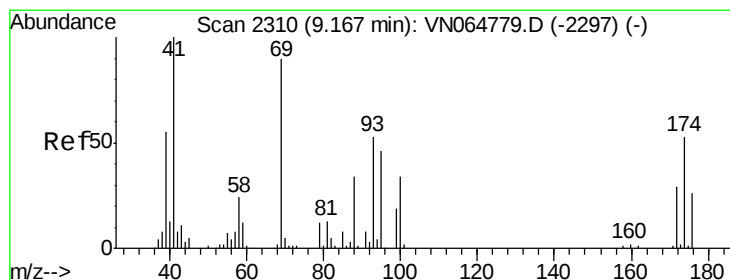
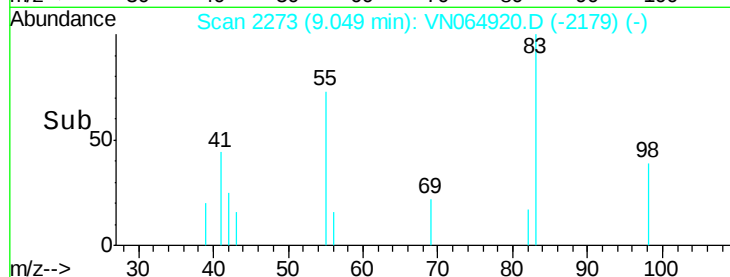
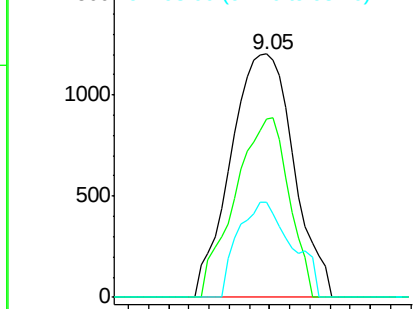
#39
Methylcyclohexane
Concen: 0.886 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN064920.D
Acq: 4 Dec 2020 15:41

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6695-120120

Tot Ion: 83 Resp: 2620
Ion Ratio Lower Upper
83 100
55 73.4 60.2 90.2
98 39.3 37.4 56.2

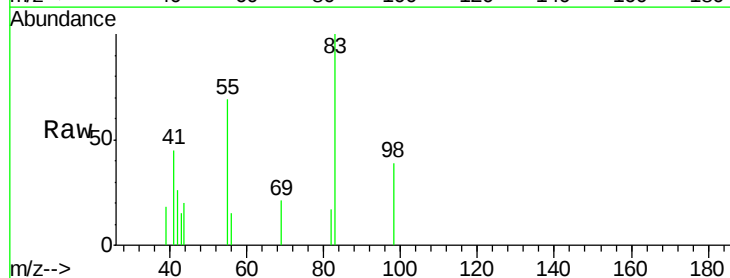


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

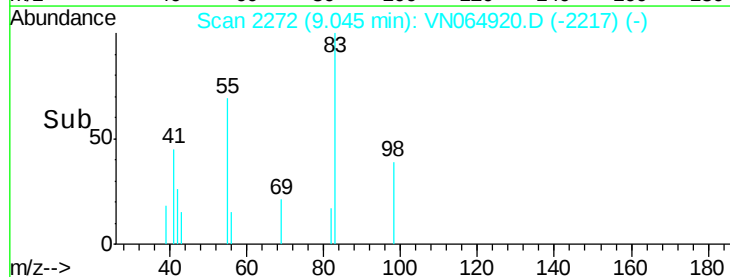
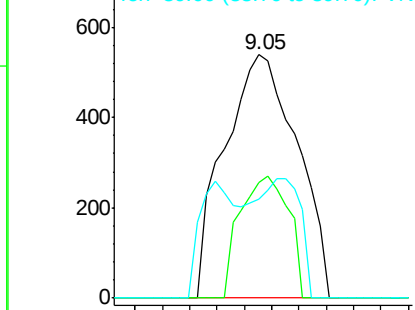


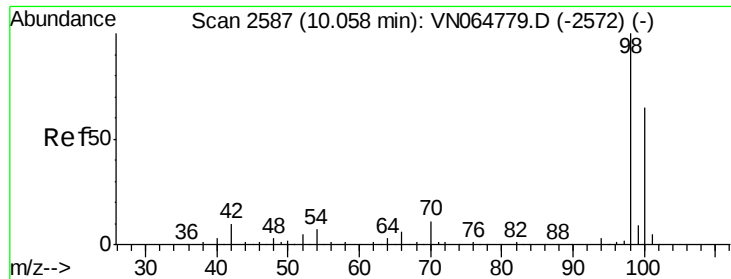
#48
Methyl methacrylate
Concen: 0.491 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.12 min
Lab File: VN064920.D
Acq: 4 Dec 2020 15:41

Tgt Ion: 41 Resp: 998
Ion Ratio Lower Upper
41 100
69 33.6 71.8 107.8#
39 25.2 44.1 66.1#



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#50

Toluene-d8

Concen: 51.022 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064920.D

Acq: 4 Dec 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

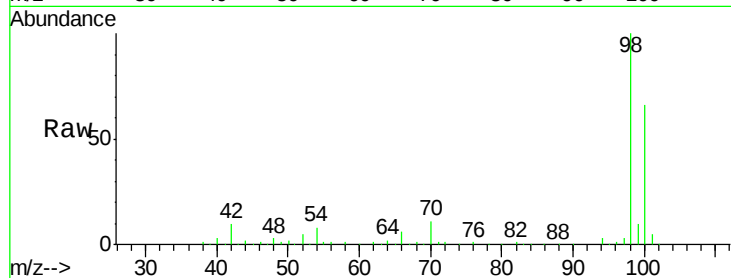
SS013-13-6695-120120

Tot Ion: 98 Resp: 369576

Ion Ratio Lower Upper

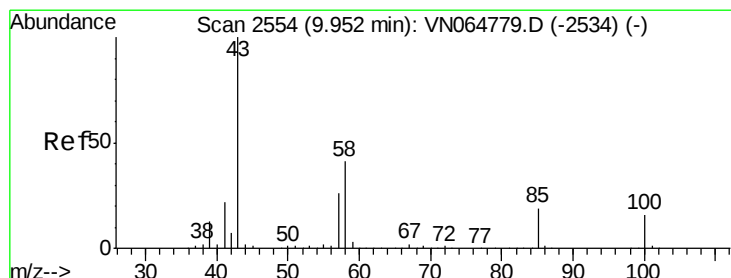
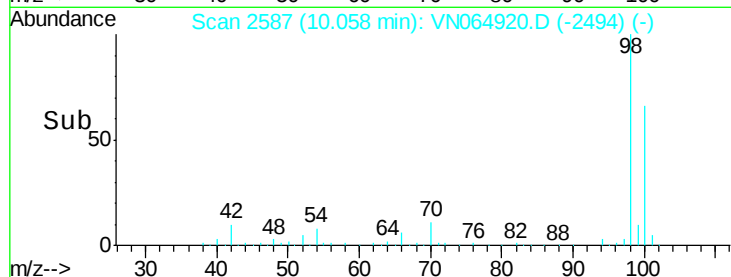
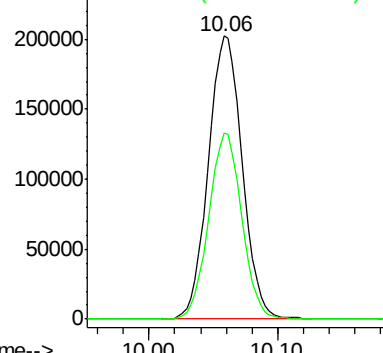
98 100

100 64.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 0.582 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.11 min

Lab File: VN064920.D

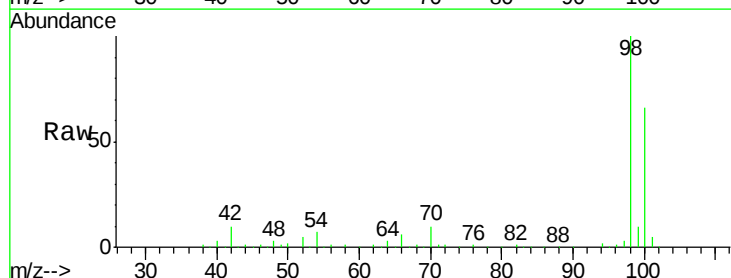
Acq: 4 Dec 2020 15:41

Tgt Ion: 43 Resp: 1487

Ion Ratio Lower Upper

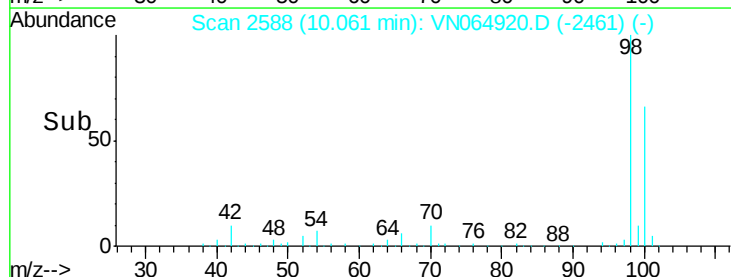
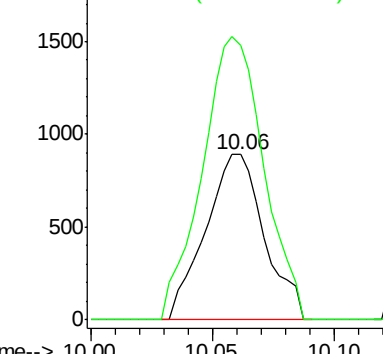
43 100

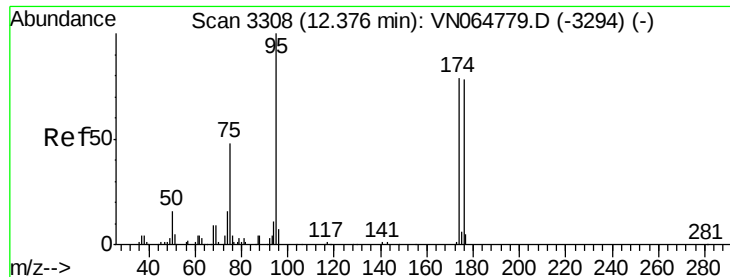
58 179.4 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

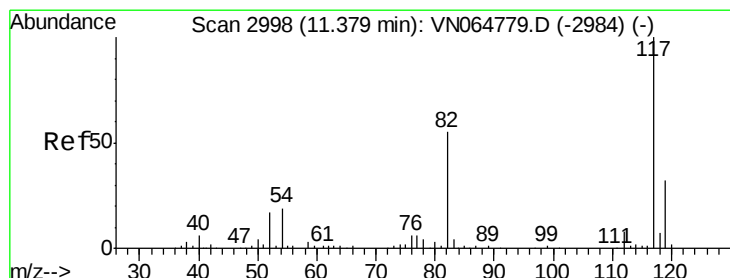
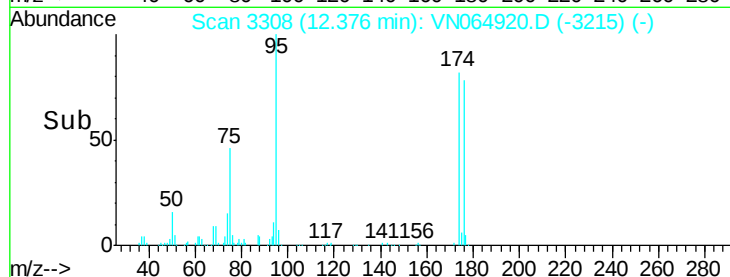
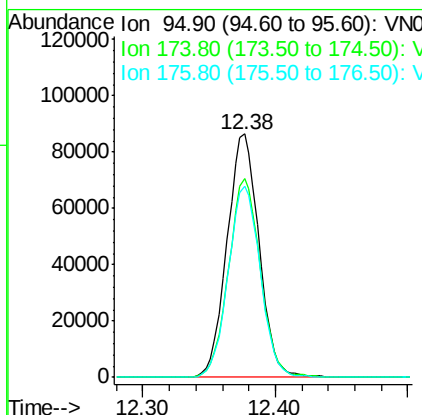
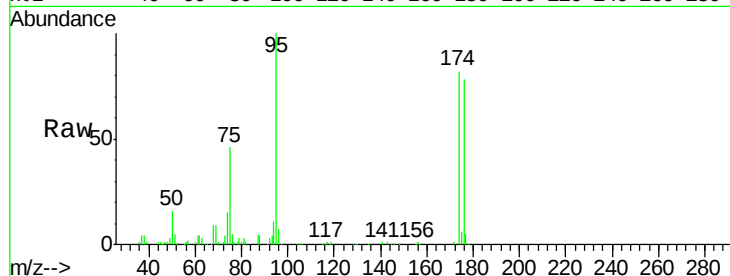




#62
4-Bromofluorobenzene
Concen: 55.957 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064920.D
Acq: 4 Dec 2020 15:41

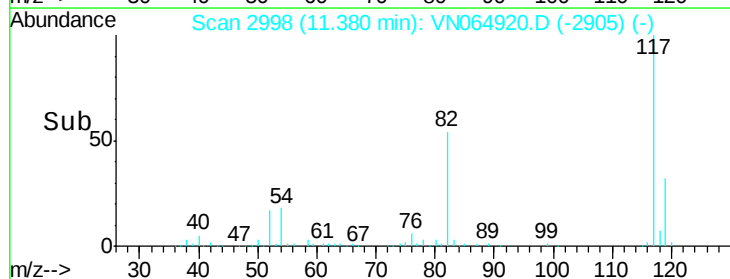
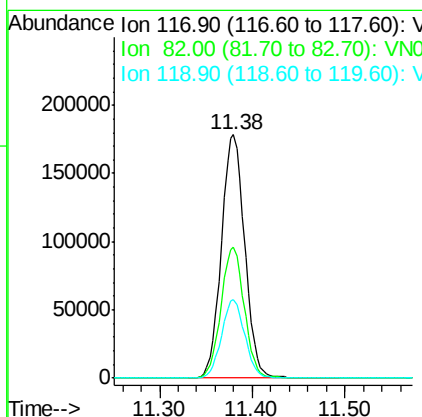
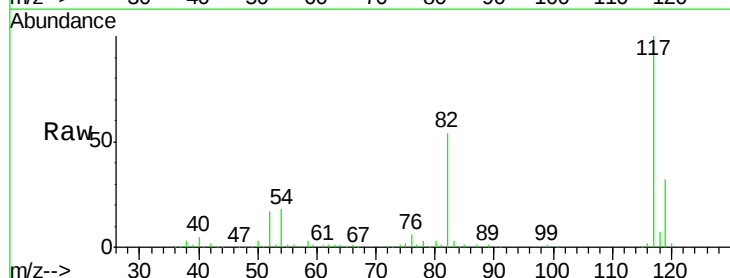
Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6695-120120

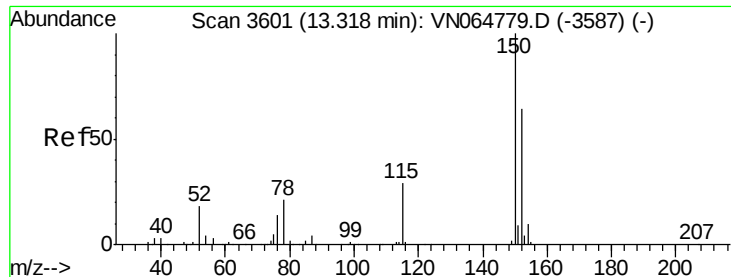
Tot Ion	95	Resp	145057
Ion Ratio	100		
Lower		0.0	160.4
Upper		0.0	158.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064920.D
Acq: 4 Dec 2020 15:41

Tgt Ion	117	Resp	311474
Ion Ratio	100		
Lower		44.2	66.2
Upper		25.8	38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064920.D

Acq: 4 Dec 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6695-120120

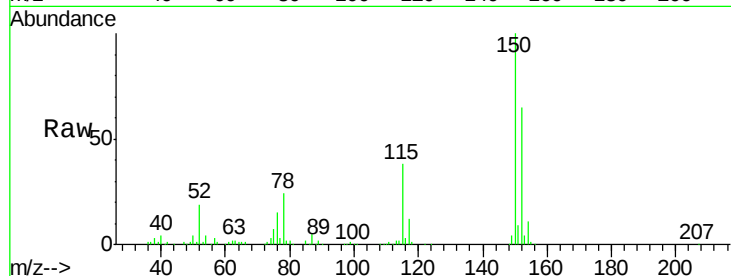
Tot Ion:152 Resp: 140676

Ion Ratio Lower Upper

152 100

115 59.6 29.7 89.1

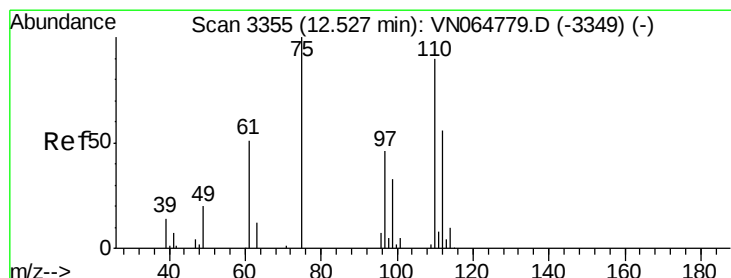
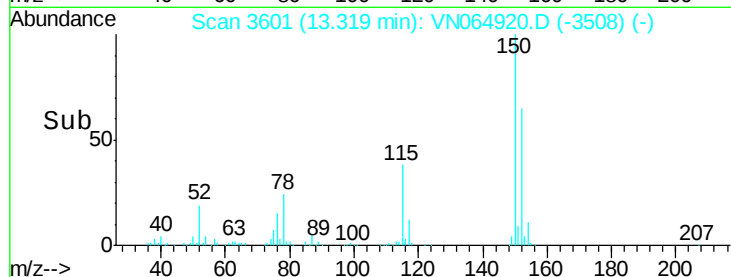
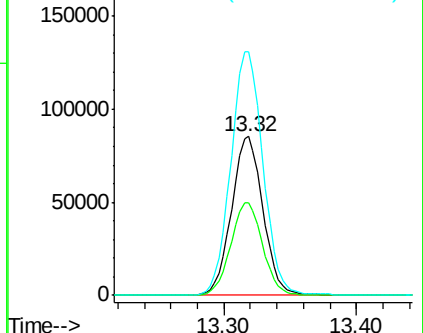
150 156.7 0.0 350.6



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: 22.405 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064920.D

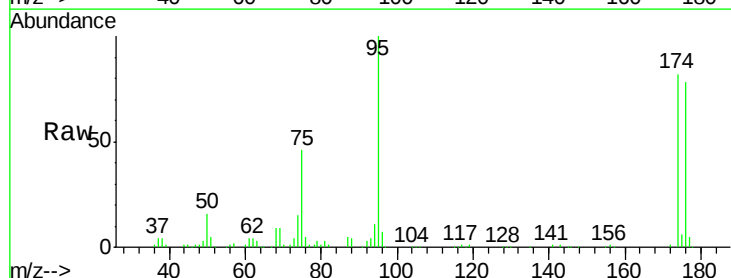
Acq: 4 Dec 2020 15:41

Tgt Ion: 75 Resp: 67878

Ion Ratio Lower Upper

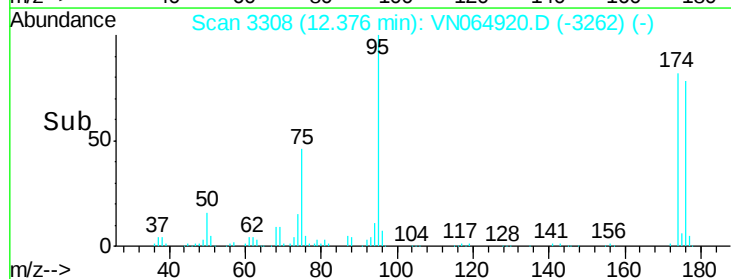
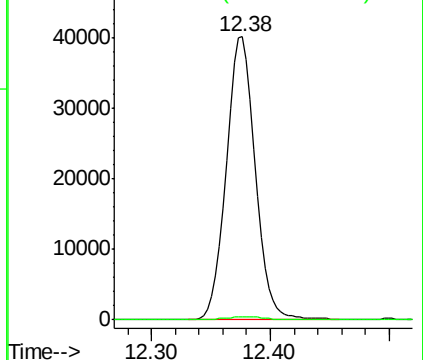
75 100

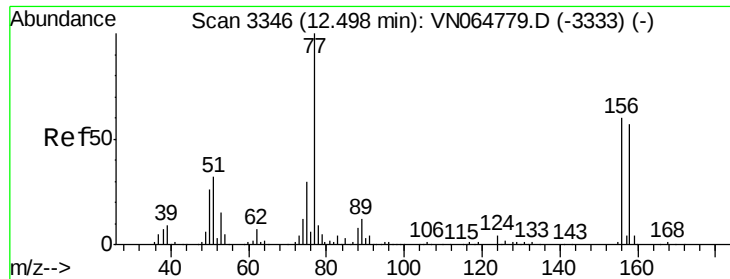
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 0.553 ug/l

RT: 12.47 min Scan# 3338

Delta R.T. -0.03 min

Lab File: VN064920.D

Acq: 4 Dec 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6695-120120

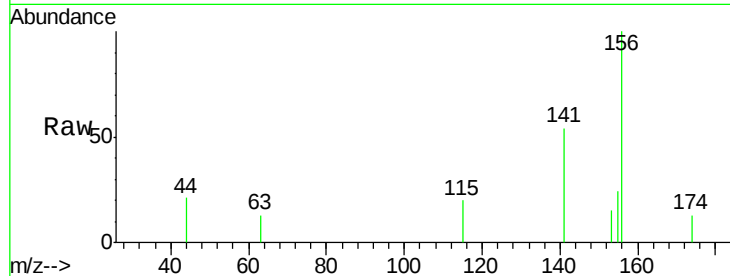
Tot Ion:156 Resp: 1460

Ion Ratio Lower Upper

156 100

77 2.1 101.3 303.7#

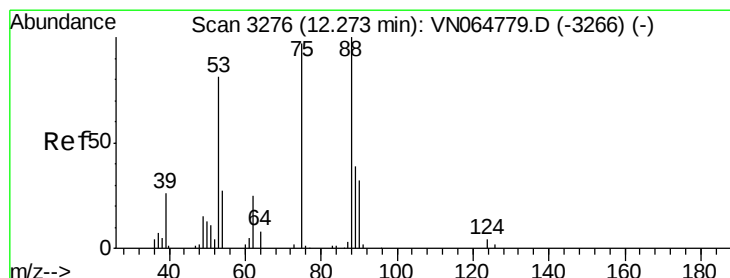
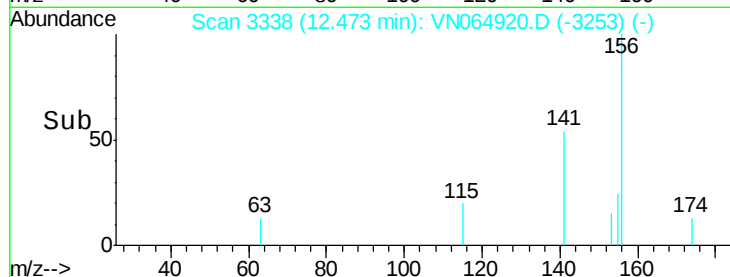
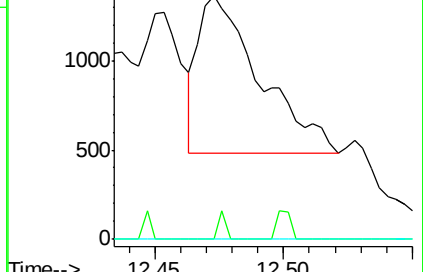
158 0.0 48.2 144.6#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 61.407 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064920.D

Acq: 4 Dec 2020 15:41

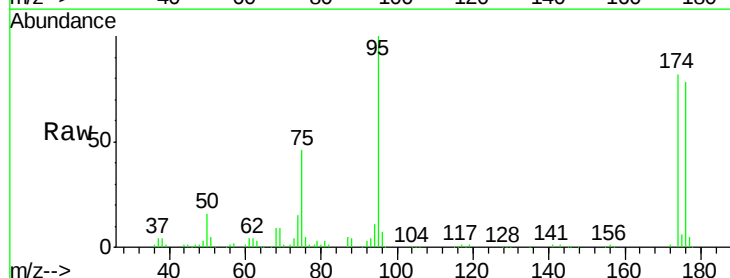
Tgt Ion: 75 Resp: 67878

Ion Ratio Lower Upper

75 100

53 0.0 67.0 100.4#

89 0.0 39.6 59.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

