

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101520\
 Data File : VN064158.D
 Acq On : 15 Oct 2020 21:07
 Operator : JC/MD
 Sample : L4417-11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-GENIE

Quant Time: Oct 16 02:28:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101420W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 15 01:16:44 2020
 Response via : Initial Calibration

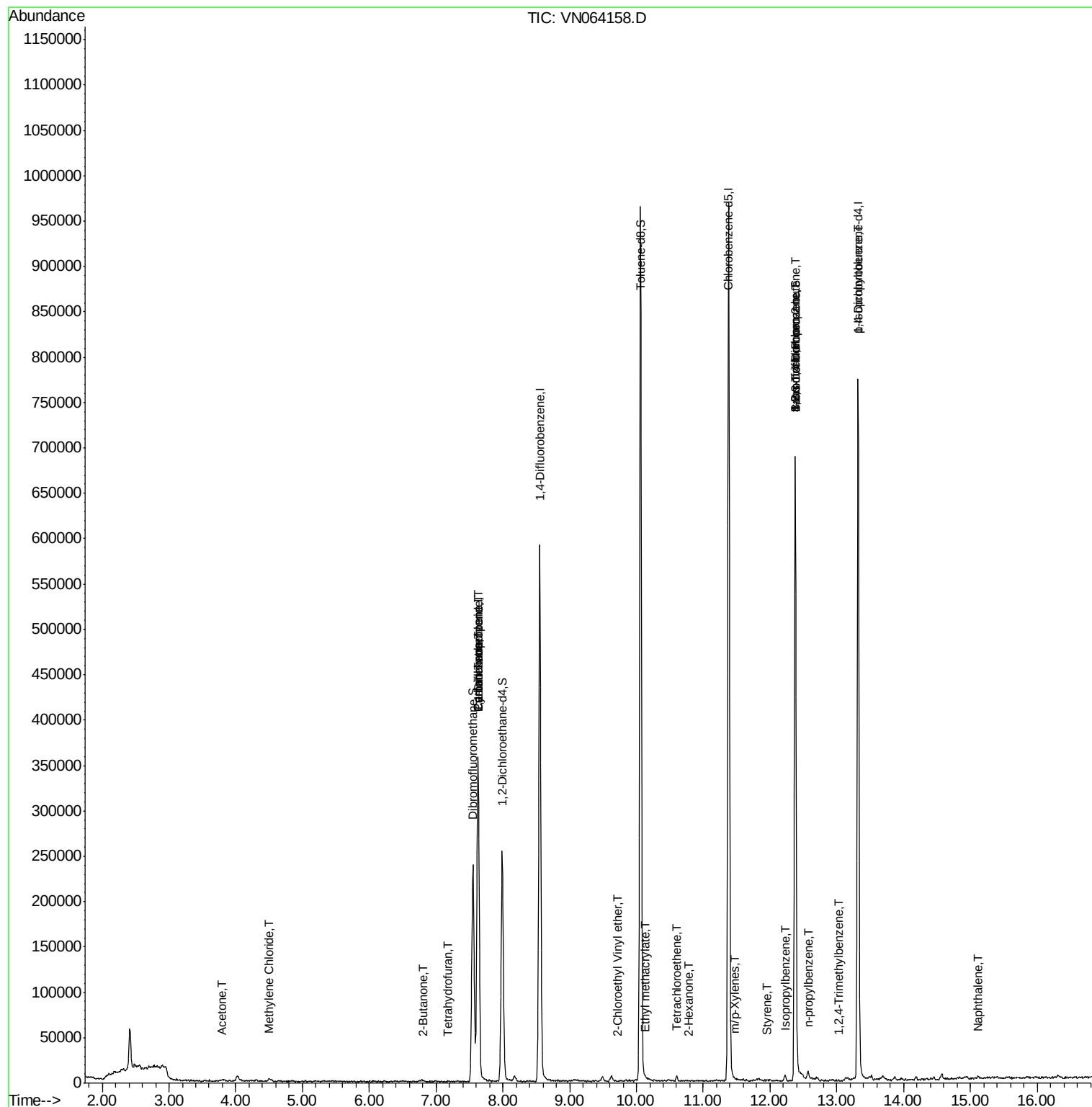
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	280588	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	527650	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	560074	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	209415	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	217729	54.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.96%	
35) Dibromofluoromethane	7.55	113	185131	50.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.38%	
50) Toluene-d8	10.06	98	681368	49.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.90%	
62) 4-Bromofluorobenzene	12.38	95	241123	50.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.82%	
Target Compounds						
					Qvalue	
16) Acetone	3.79	43	2940	2.480	ug/l	98
20) Methylene Chloride	4.50	84	855	0.233	ug/l #	73
25) 2-Butanone	6.80	43	456	0.250	ug/l #	47
29) Tetrahydrofuran	7.17	42	346	0.325	ug/l #	49
31) Cyclohexane	7.63	56	7142	1.617	ug/l #	16
36) 1,1-Dichloropropene	7.63	75	22991	4.521	ug/l #	44
38) Carbon Tetrachloride	7.62	117	28939	5.292	ug/l #	16
56) Ethyl methacrylate	10.15	69	60	2.309	ug/l #	29
58) 2-Chloroethyl Vinyl ether	9.72	63	79	12.245	ug/l #	48
59) 2-Hexanone	10.79	43	154	6.881	ug/l	80
64) Tetrachloroethene	10.60	164	1079	0.256	ug/l #	67
68) m/p-Xylenes	11.48	106	62	2.199	ug/l #	1
70) Styrene	11.95	104	31	2.039	ug/l #	26
71) Bromoform	12.38	173	703	2.412	ug/l #	1
73) Isopropylbenzene	12.22	105	3811	0.251	ug/l	89
76) 1,2,3-Trichloropropane	12.38	75	127623	25.977	ug/l #	100
78) n-propylbenzene	12.57	91	7647	0.452	ug/l	88
81) trans-1,4-Dichloro-2-buten	12.38	75	127623	79.363	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.02	105	542	0.227	ug/l #	31
86) p-Isopropyltoluene	13.32	119	154	0.674	ug/l #	1
95) Naphthalene	15.12	128	2029	3.980	ug/l #	85

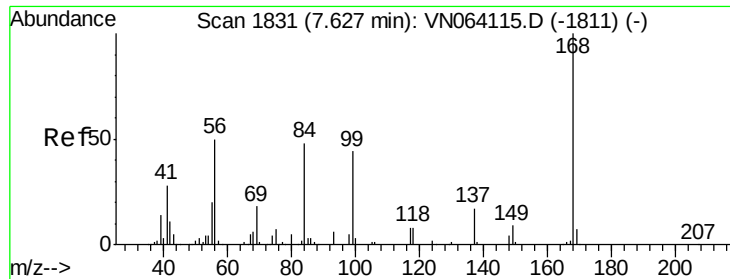
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064158.D

Acq: 15 Oct 2020 21:07

Instrument :

MSVOA_N

ClientSampleId :

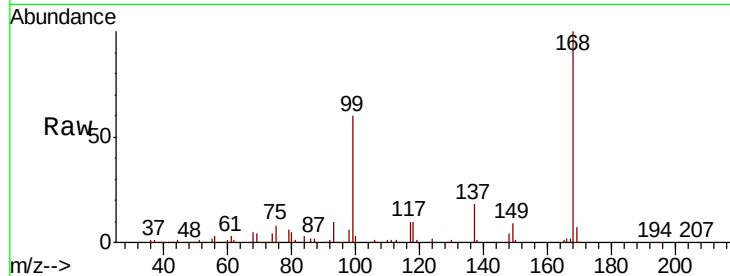
MW-GENIE

Tot Ion:168 Resp: 280588

Ion Ratio Lower Upper

168 100

99 59.7 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

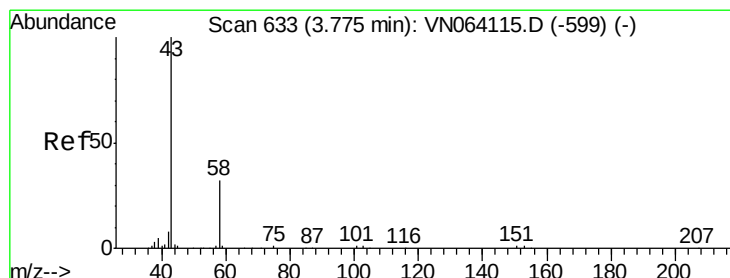
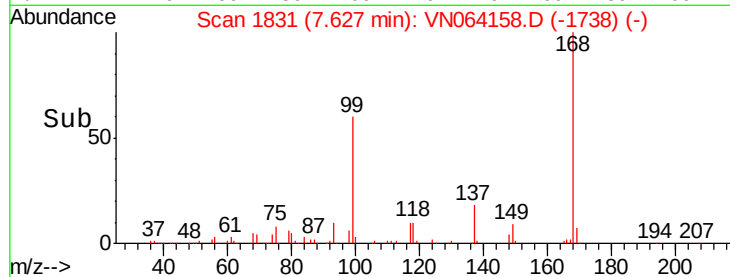
7.63

100000

50000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 2.480 ug/l

RT: 3.79 min Scan# 638

Delta R.T. 0.02 min

Lab File: VN064158.D

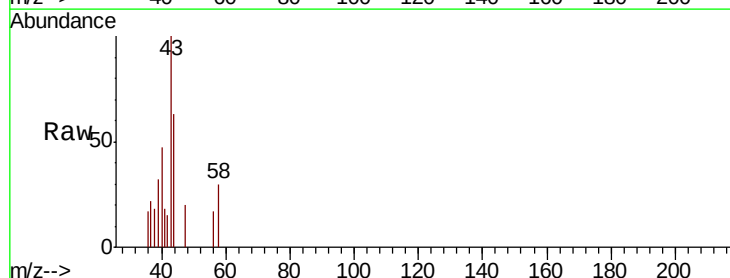
Acq: 15 Oct 2020 21:07

Tgt Ion: 43 Resp: 2940

Ion Ratio Lower Upper

43 100

58 30.4 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

1200

1000

800

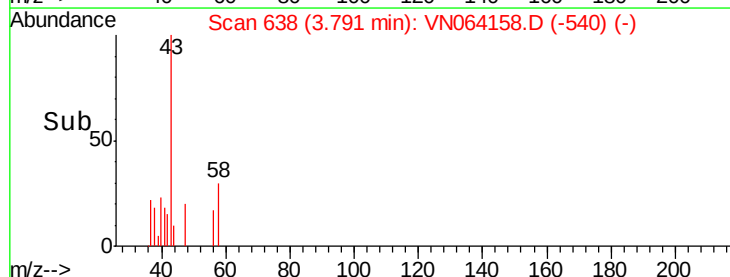
600

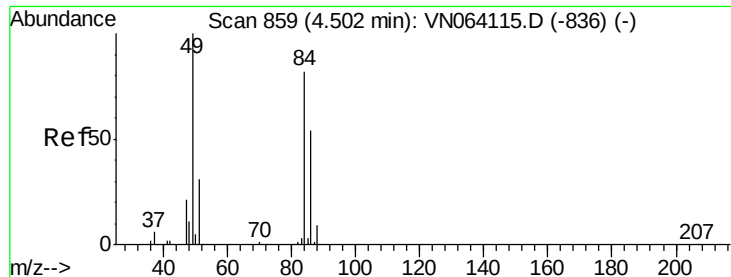
400

200

0

Time--> 3.75 3.80 3.85

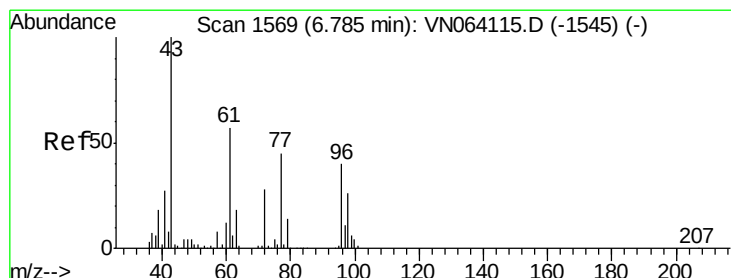
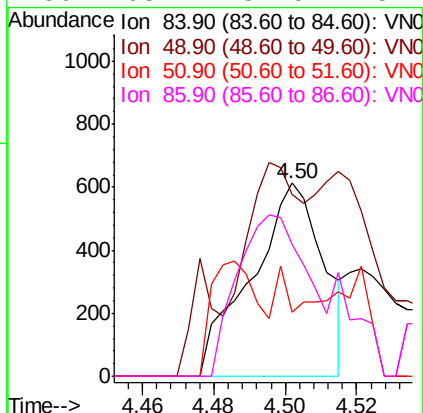
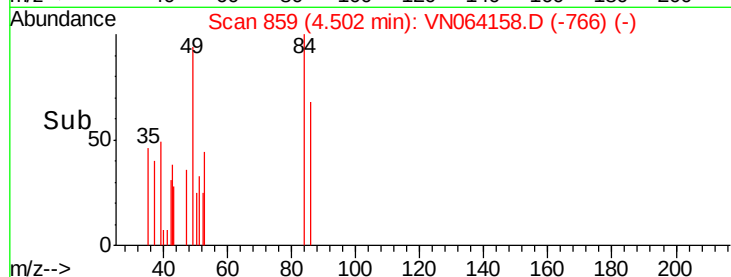
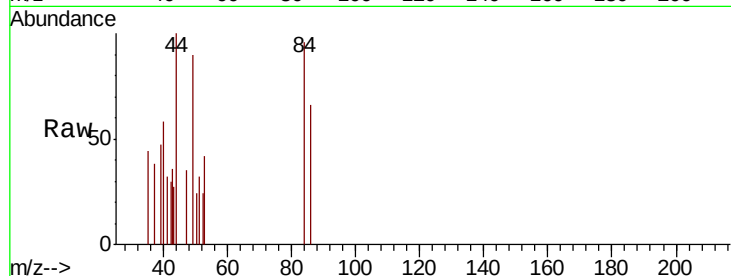




#20
Methvlene Chloride
Concen: 0.233 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN064158.D
Acq: 15 Oct 2020 21:07

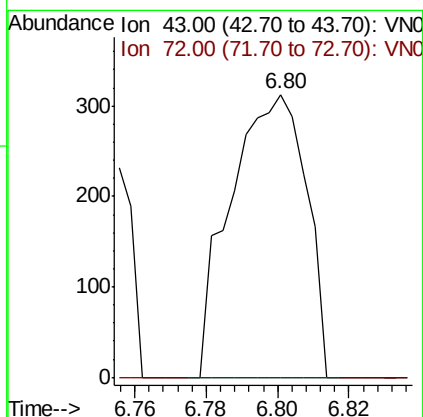
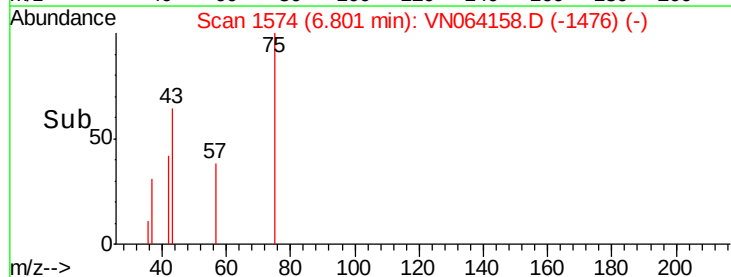
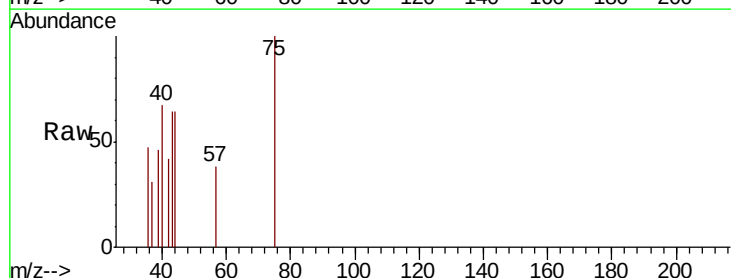
Instrument :
MSVOA_N
ClientSampled :
MW-GENIE

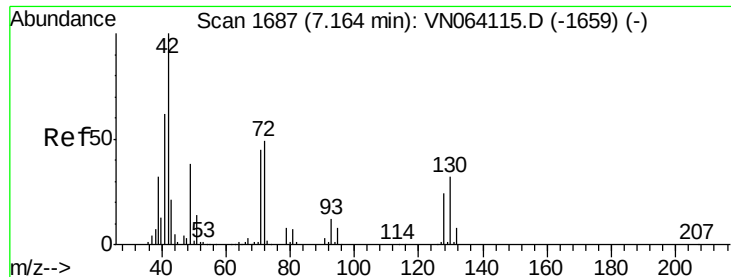
Tot Ion:	84	Resp:	855
Ion	Ratio	Lower	Upper
84	100		
49	69.8	97.4	146.0#
51	33.4	29.7	44.5
86	68.4	52.5	78.7



#25
2-Butanone
Concen: 0.250 ug/l
RT: 6.80 min Scan# 1574
Delta R.T. 0.02 min
Lab File: VN064158.D
Acq: 15 Oct 2020 21:07

Tgt Ion:	43	Resp:	456
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.2	33.2#

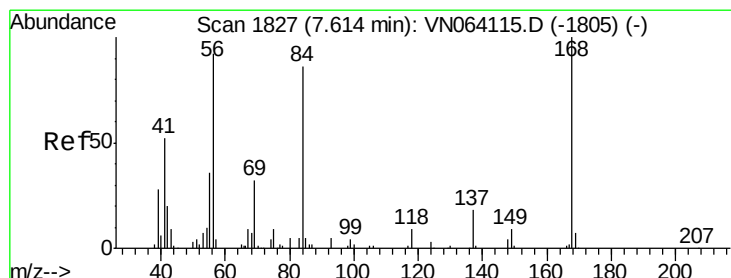
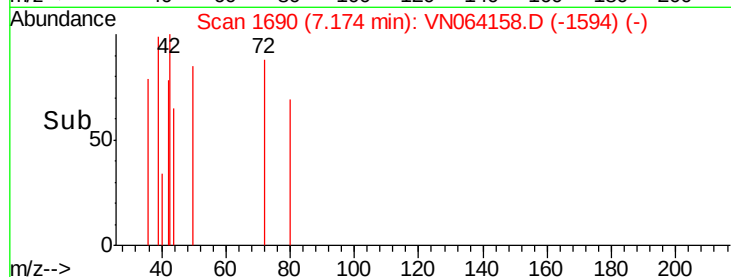
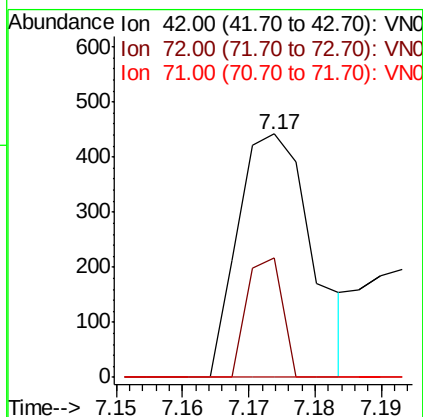
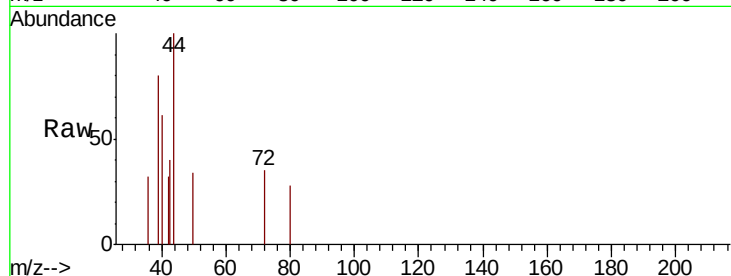




#29
Tetrahydrofuran
Concen: 0.325 ug/l
RT: 7.17 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VN064158.D
Acq: 15 Oct 2020 21:07

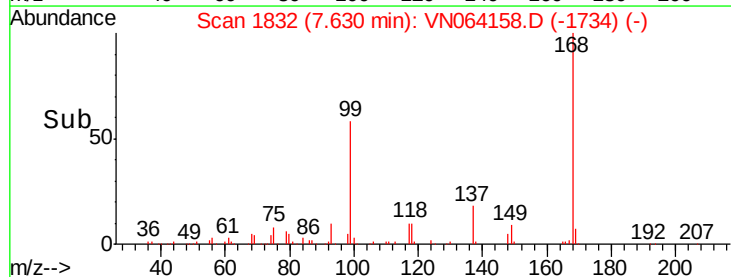
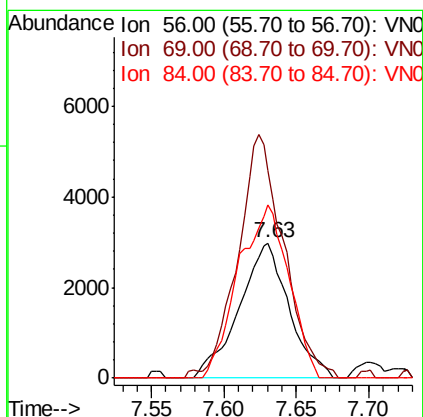
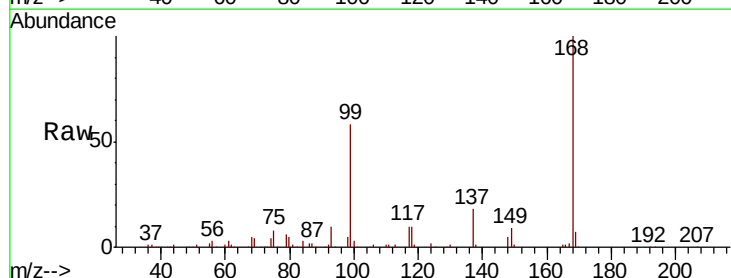
Instrument :
MSVOA_N
ClientSampleId :
MW-GENIE

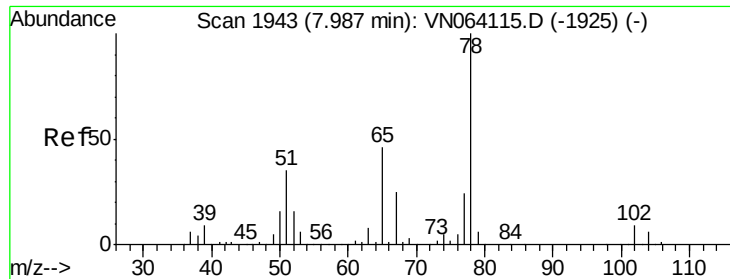
Tot Ion: 42 Resp: 346
Ion Ratio Lower Upper
42 100
72 23.1 37.8 56.6#
71 0.0 35.3 52.9#



#31
Cyclohexane
Concen: 1.617 ug/l
RT: 7.63 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN064158.D
Acq: 15 Oct 2020 21:07

Tgt Ion: 56 Resp: 7142
Ion Ratio Lower Upper
56 100
69 153.8 27.8 41.6#
84 128.0 73.2 109.8#

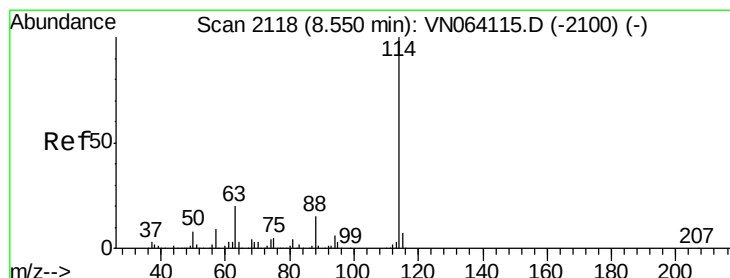
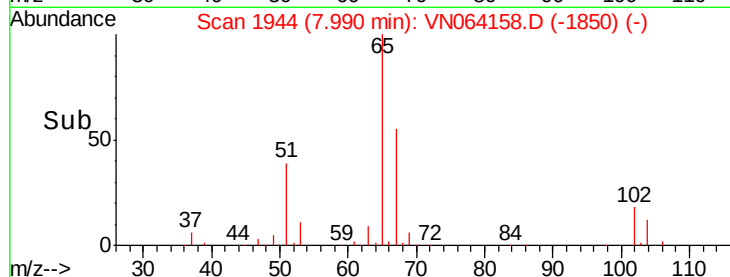
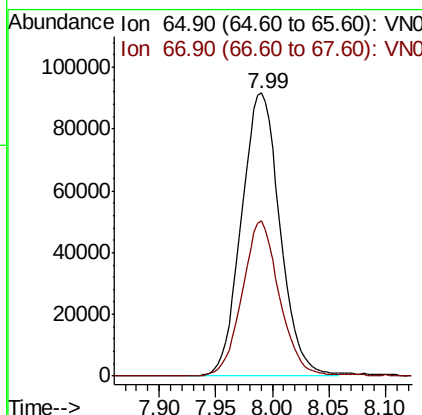
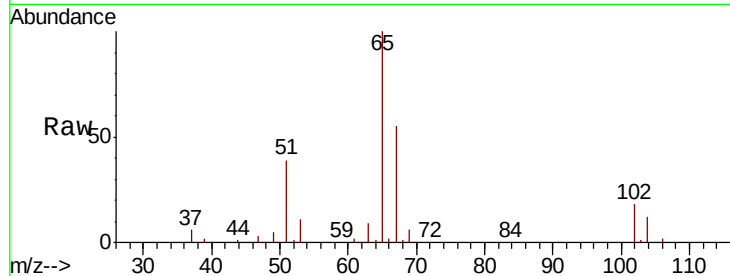




#33
 1,2-Dichloroethane-d4
 Concen: 54.485 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN064158.D
 Acq: 15 Oct 2020 21:07

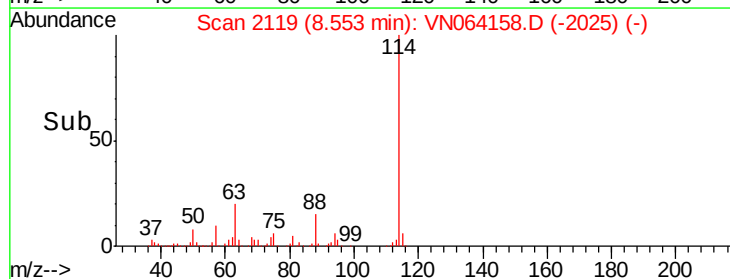
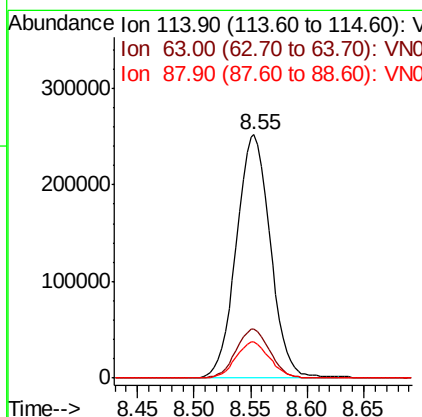
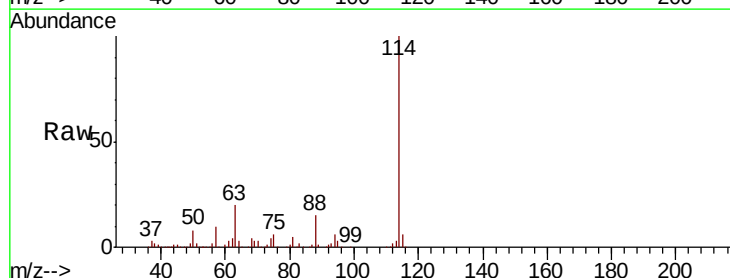
Instrument :
 MSVOA_N
 ClientSampled :
 MW-GENIE

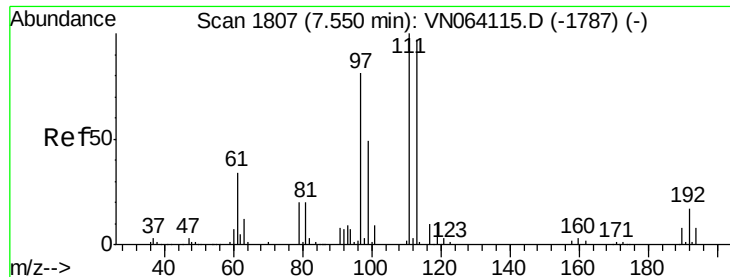
Tot Ion: 65 Resp: 217729
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN064158.D
 Acq: 15 Oct 2020 21:07

Tgt Ion: 114 Resp: 527650
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.0
 88 14.9 0.0 29.2

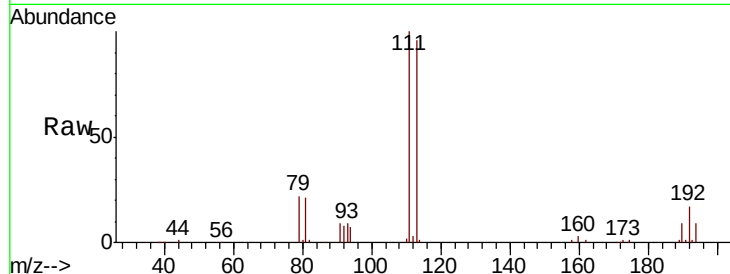




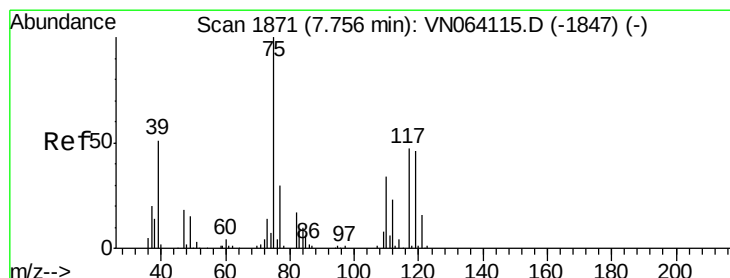
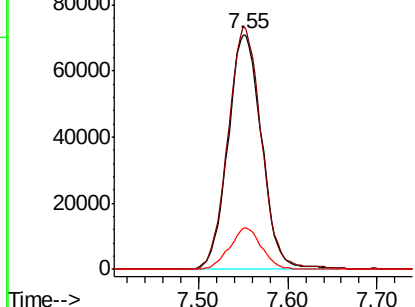
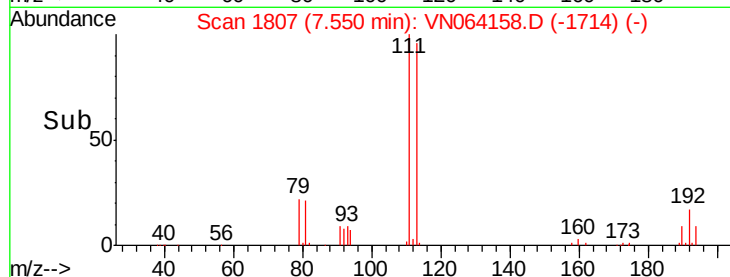
#35
 Dibromofluoromethane
 Concen: 50.691 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064158.D
 Acq: 15 Oct 2020 21:07

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-GENIE

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.9	122.9
192	16.9	14.3	21.5

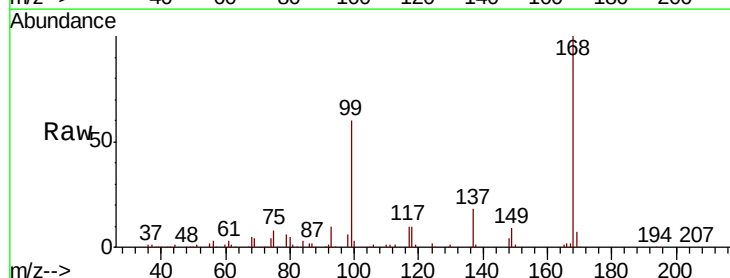


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

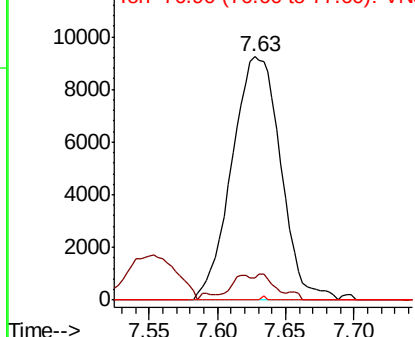
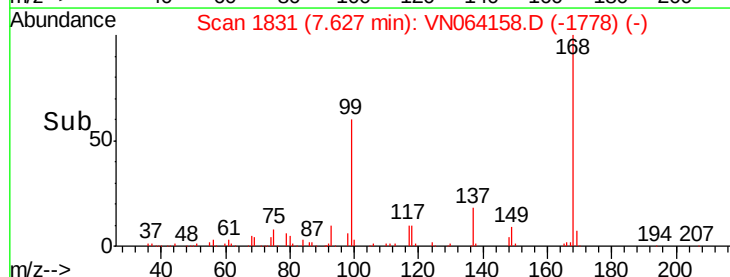


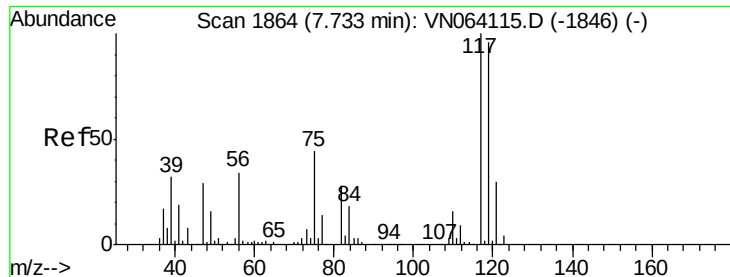
#36
 1,1-Dichloropropene
 Concen: 4.521 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064158.D
 Acq: 15 Oct 2020 21:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	2.9	17.8	53.3#
77	0.1	24.9	37.3#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.292 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN064158.D

Acq: 15 Oct 2020 21:07

Instrument :

MSVOA_N

ClientSampleId :

MW-GENIE

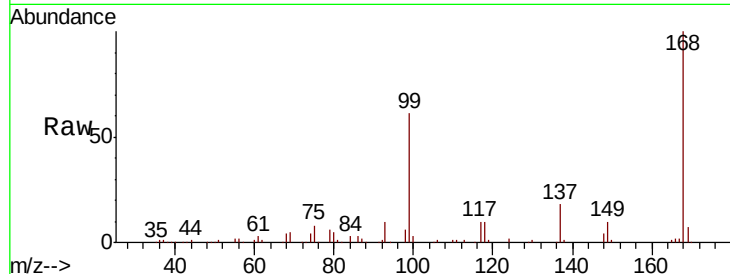
Tot Ion:117 Resp: 28939

Ion Ratio Lower Upper

117 100

119 5.1 77.0 115.4#

121 0.0 24.2 36.4#

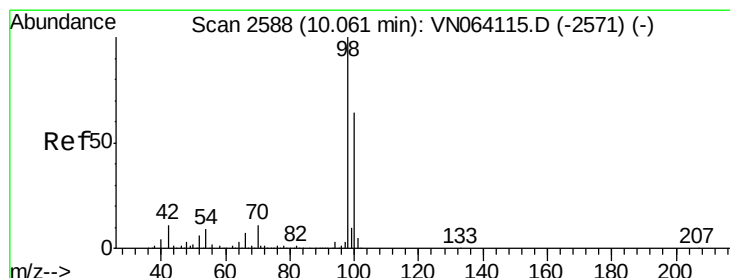
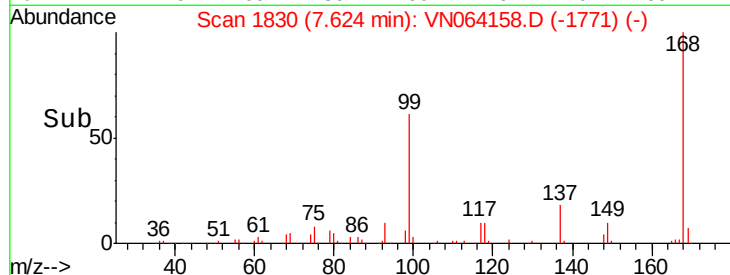
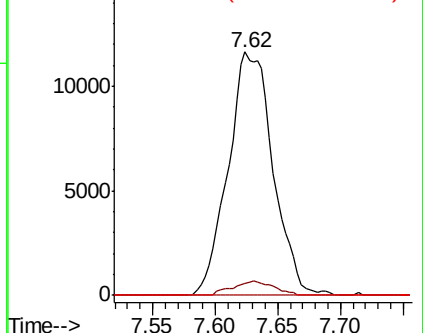


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 49.446 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064158.D

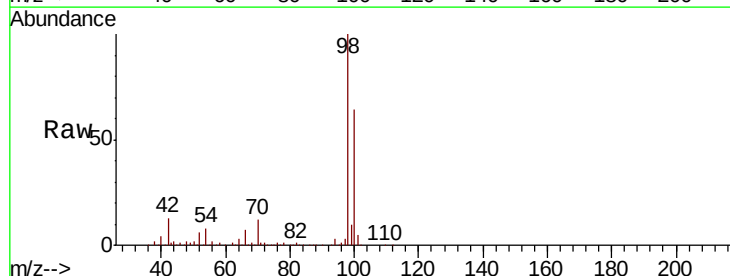
Acq: 15 Oct 2020 21:07

Tgt Ion: 98 Resp: 681368

Ion Ratio Lower Upper

98 100

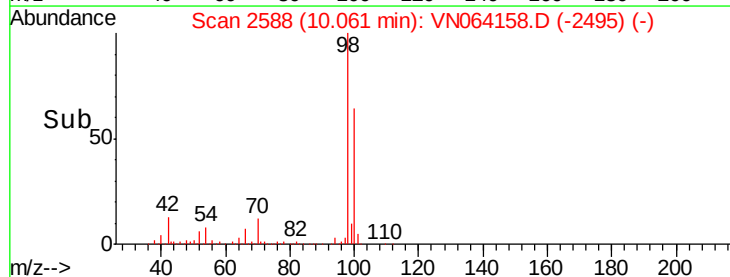
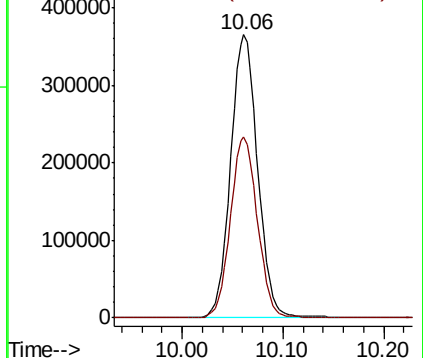
100 63.7 50.8 76.2

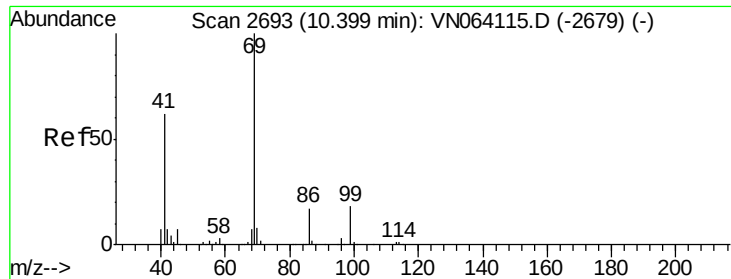


Abundance

Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#56

Ethyl methacrylate

Concen: 2.309 ug/l

RT: 10.15 min Scan# 2615

Delta R.T. -0.25 min

Lab File: VN064158.D

Acq: 15 Oct 2020 21:07

Instrument :

MSVOA_N

ClientSampled :

MW-GENIE

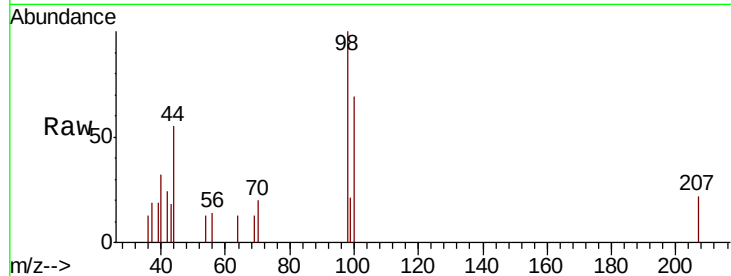
Tot Ion: 69 Resp: 60

Ion Ratio Lower Upper

69 100

41 0.0 49.3 73.9#

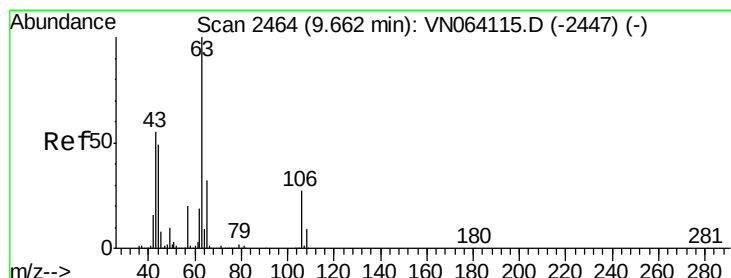
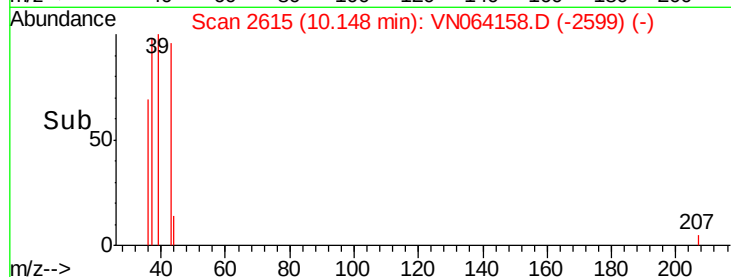
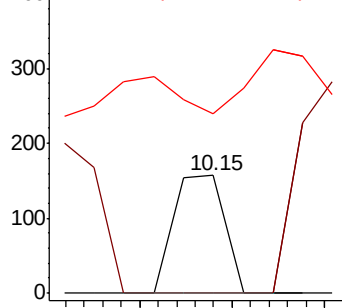
39 76.7 32.7 49.1#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 12.245 ug/l

RT: 9.72 min Scan# 2482

Delta R.T. 0.06 min

Lab File: VN064158.D

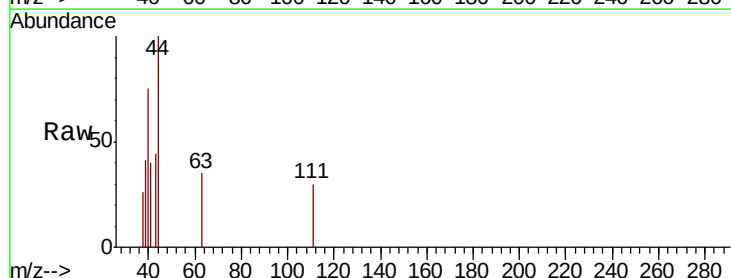
Acq: 15 Oct 2020 21:07

Tgt Ion: 63 Resp: 79

Ion Ratio Lower Upper

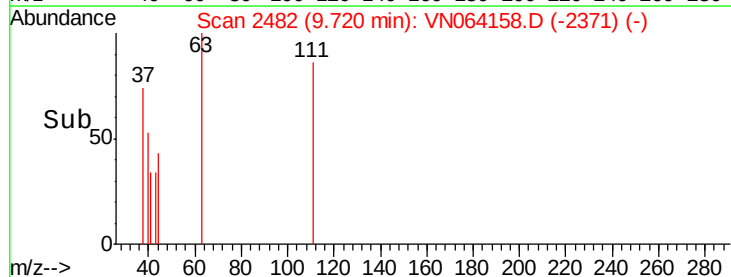
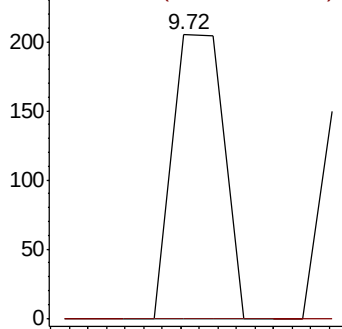
63 100

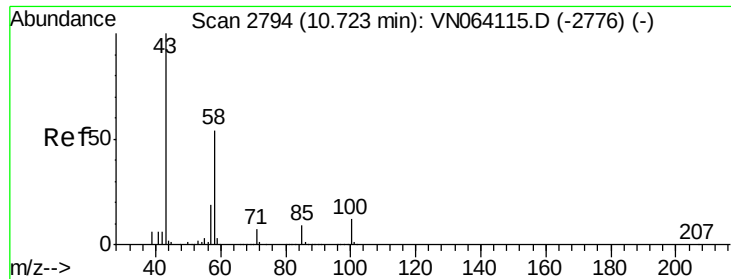
106 0.0 21.8 32.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

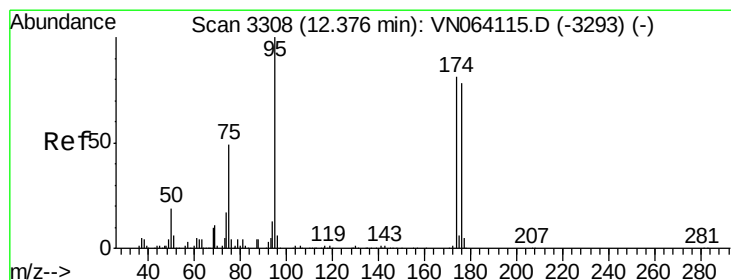
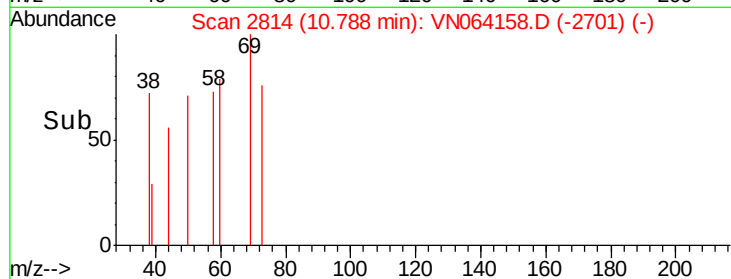
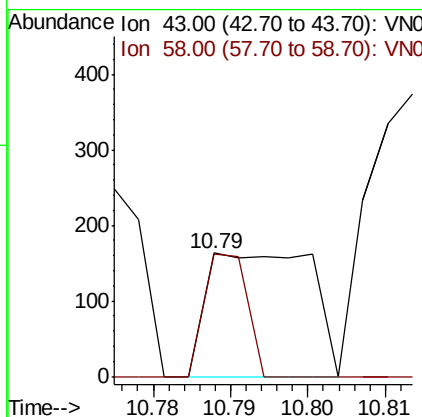
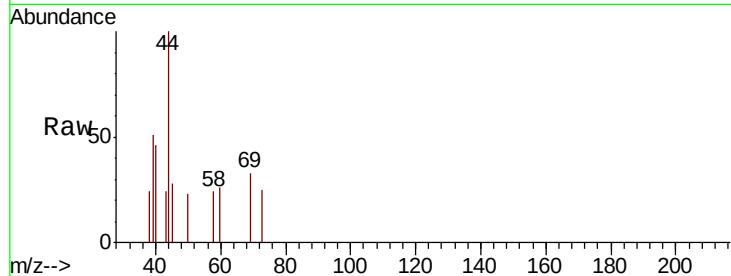




#59
2-Hexanone
Concen: 6.881 ug/l
RT: 10.79 min Scan# 2814
Delta R.T. 0.06 min
Lab File: VN064158.D
Acq: 15 Oct 2020 21:07

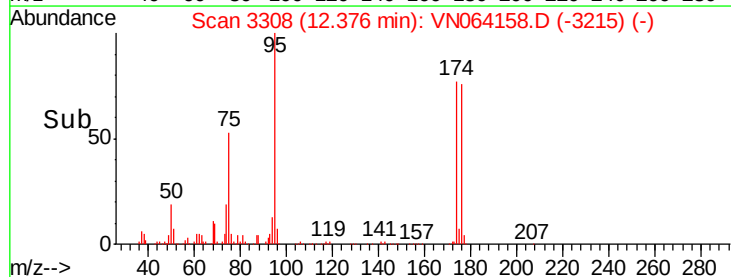
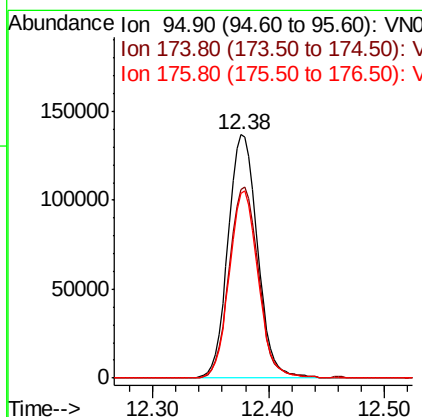
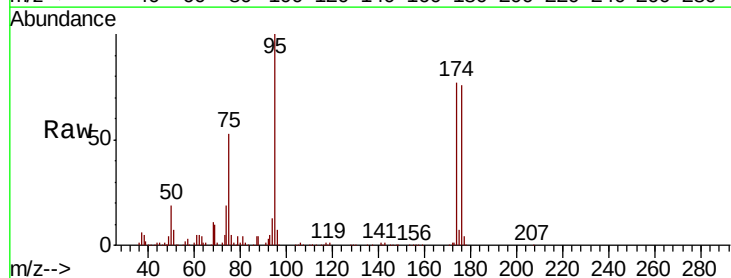
Instrument :
MSVOA_N
ClientSampled :
MW-GENIE

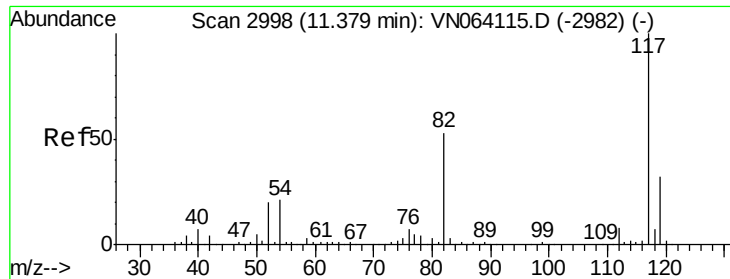
Tot Ion: 43 Resp: 154
Ion Ratio Lower Upper
43 100
58 40.3 27.2 81.6



#62
4-Bromofluorobenzene
Concen: 50.907 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064158.D
Acq: 15 Oct 2020 21:07

Tgt Ion: 95 Resp: 241123
Ion Ratio Lower Upper
95 100
174 78.6 0.0 164.8
176 75.6 0.0 157.8

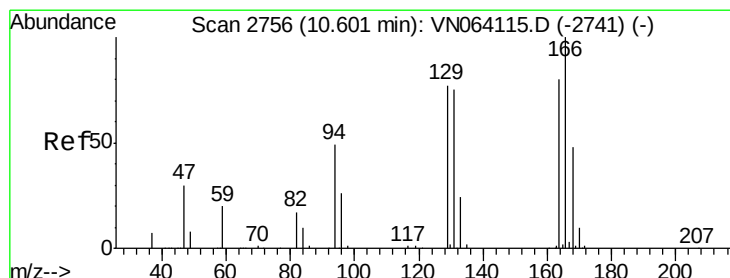
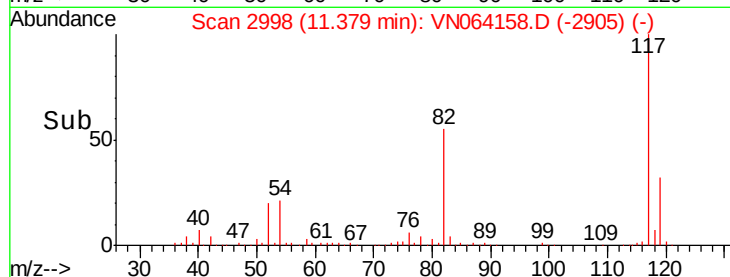
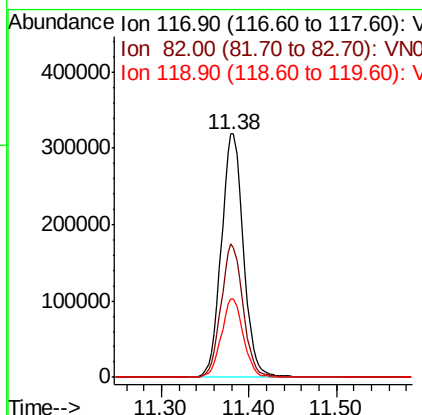
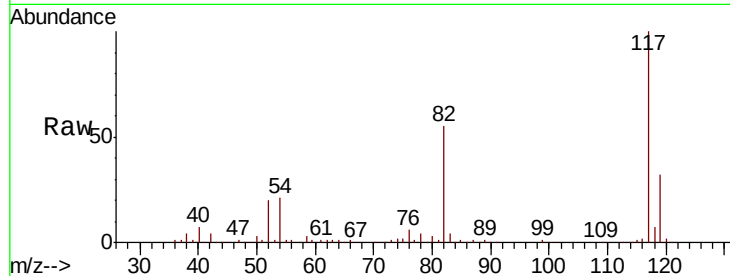




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064158.D
Acq: 15 Oct 2020 21:07

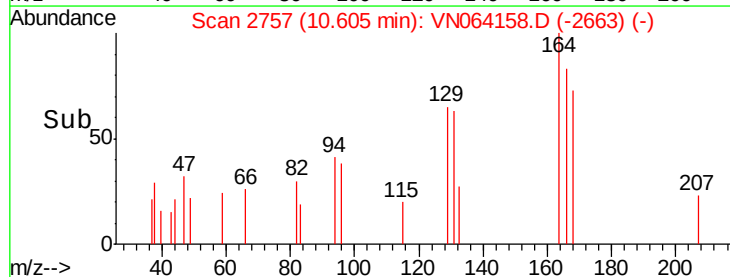
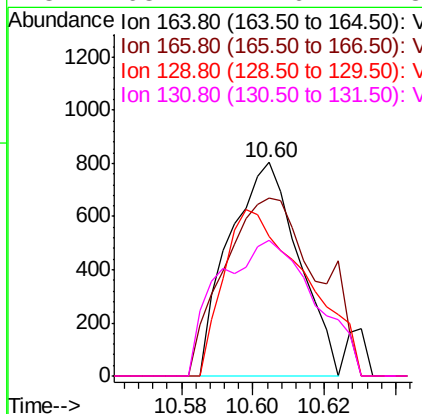
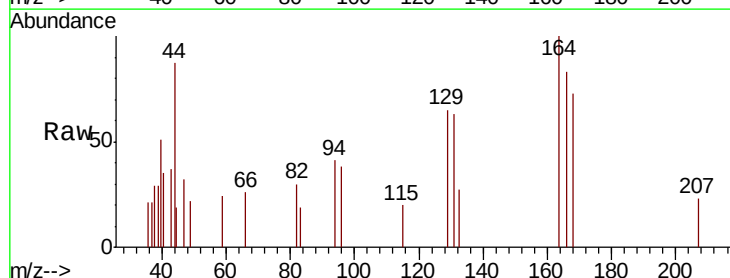
Instrument :
MSVOA_N
ClientSampled :
MW-GENIE

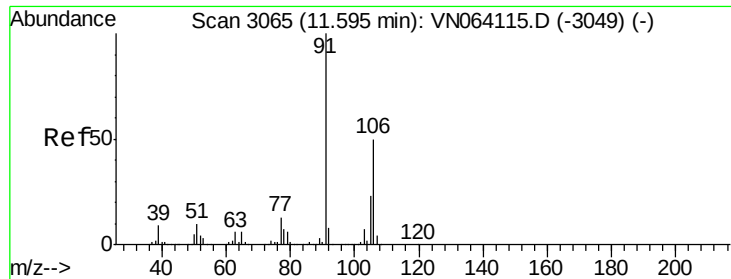
Tot Ion:117 Resp: 560074
Ion Ratio Lower Upper
117 100
82 54.9 42.6 63.8
119 32.5 25.5 38.3



#64
Tetrachloroethene
Concen: 0.256 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN064158.D
Acq: 15 Oct 2020 21:07

Tgt Ion:164 Resp: 1079
Ion Ratio Lower Upper
164 100
166 83.5 99.7 149.5#
129 65.3 77.0 115.4#
131 63.4 74.6 111.8#

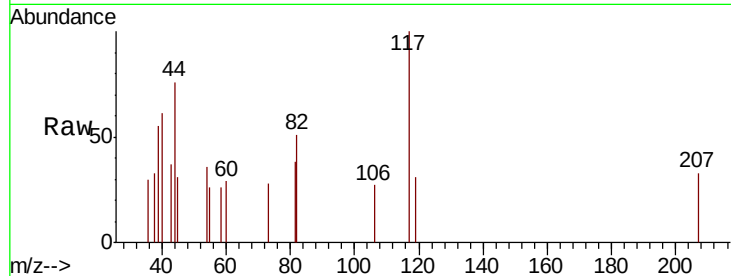




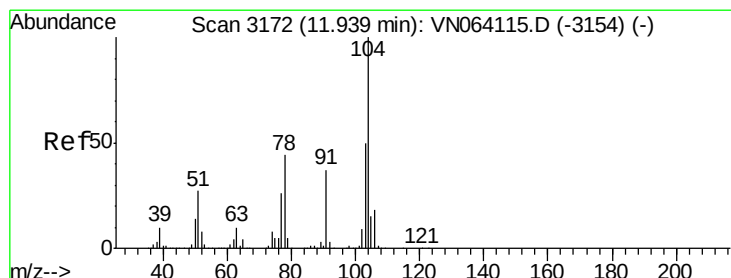
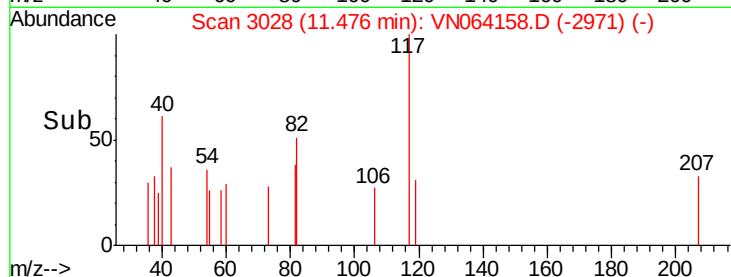
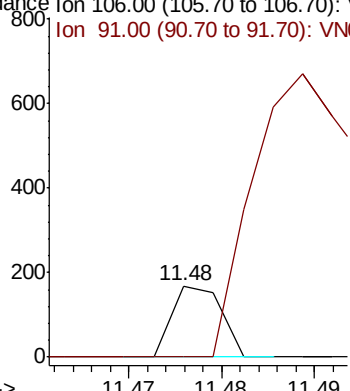
#68
m/p-Xylenes
Concen: 2.199 ug/l
RT: 11.48 min Scan# 3028
Delta R.T. -0.12 min
Lab File: VN064158.D
Acq: 15 Oct 2020 21:07

Instrument :
MSVOA_N
ClientSampled :
MW-GENIE

Tot Ion:106 Resp: 62
Ion Ratio Lower Upper
106 100
91 1022.6 162.1 243.1#

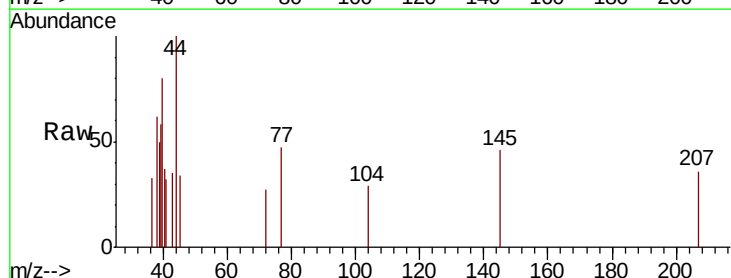


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

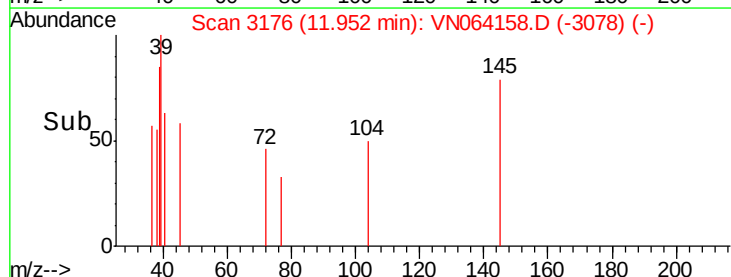
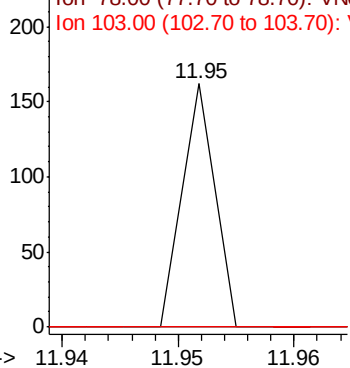


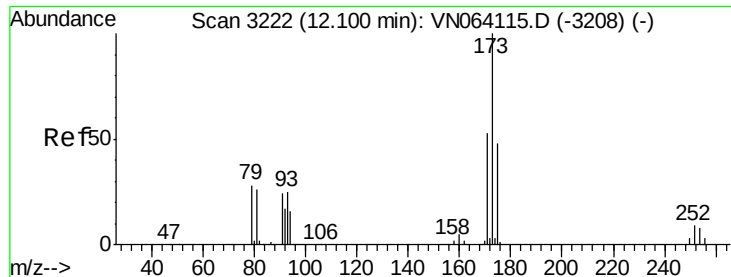
#70
Styrene
Concen: 2.039 ug/l
RT: 11.95 min Scan# 3176
Delta R.T. 0.01 min
Lab File: VN064158.D
Acq: 15 Oct 2020 21:07

Tgt Ion:104 Resp: 31
Ion Ratio Lower Upper
104 100
78 0.0 39.7 59.5#
103 0.0 44.2 66.2#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 2.412 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.28 min

Lab File: VN064158.D

Acq: 15 Oct 2020 21:07

Instrument :

MSVOA_N

ClientSampleId :

MW-GENIE

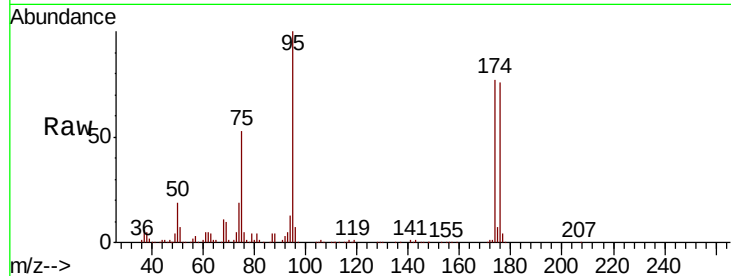
Tot Ion:173 Resp: 703

Ion Ratio Lower Upper

173 100

175 1737.8 23.4 70.2#

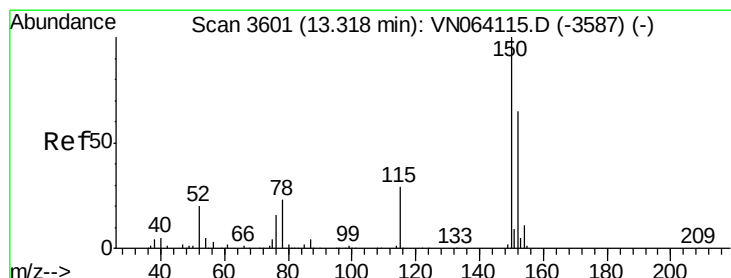
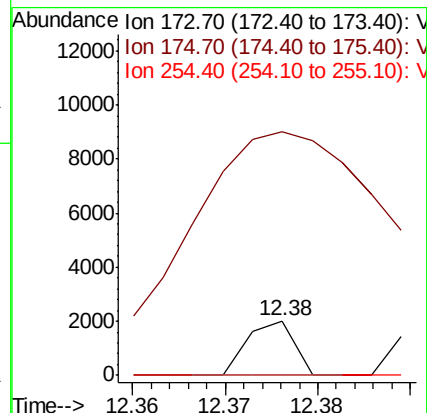
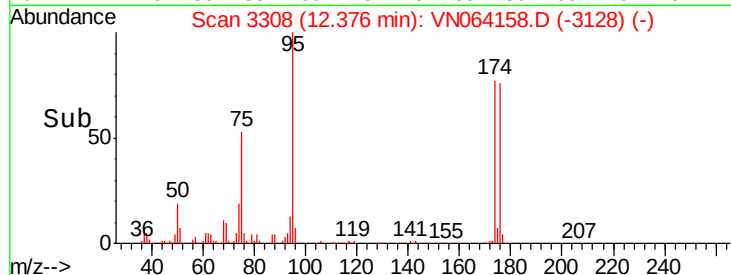
254 0.0 0.1 0.1#



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# 3601

Delta R.T. 0.00 min

Lab File: VN064158.D

Acq: 15 Oct 2020 21:07

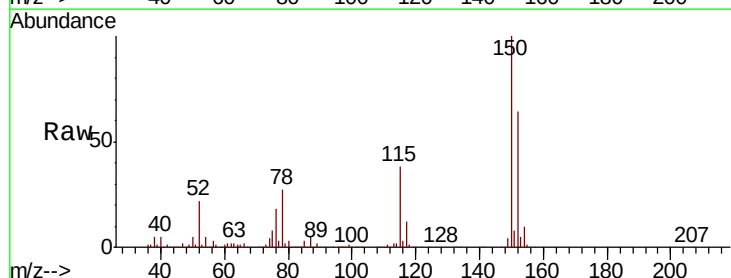
Tgt Ion:152 Resp: 209415

Ion Ratio Lower Upper

152 100

115 60.6 29.3 87.8

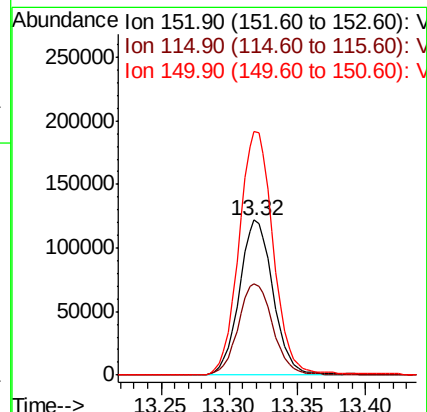
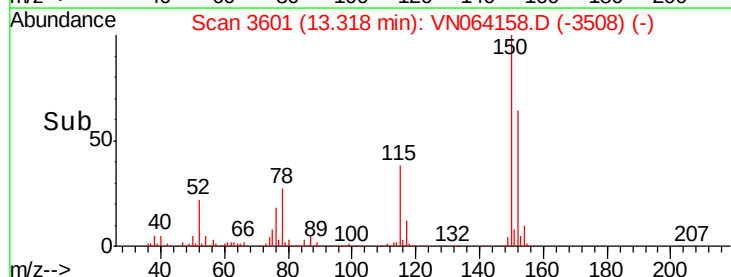
150 160.2 0.0 346.0

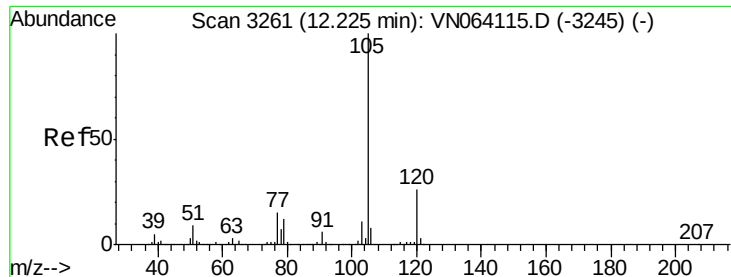


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.251 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064158.D

Acq: 15 Oct 2020 21:07

Instrument :

MSVOA_N

ClientSampleId :

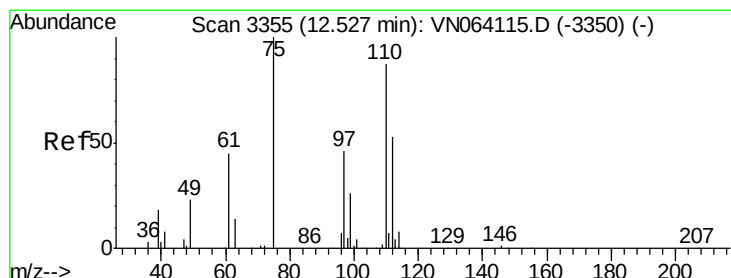
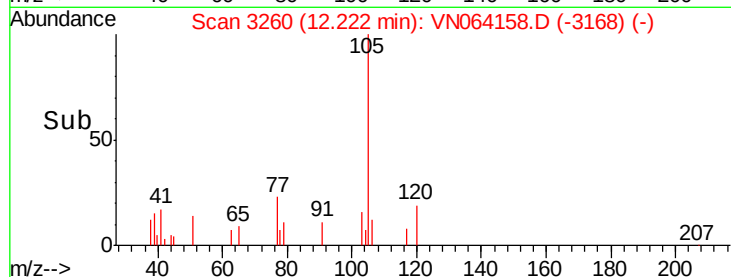
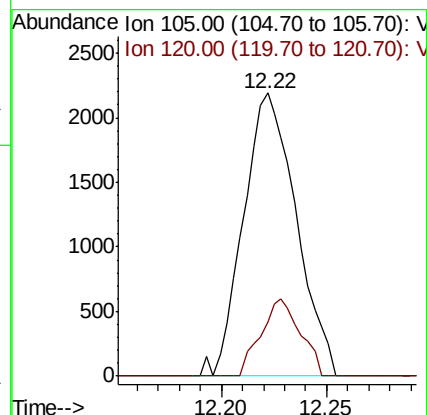
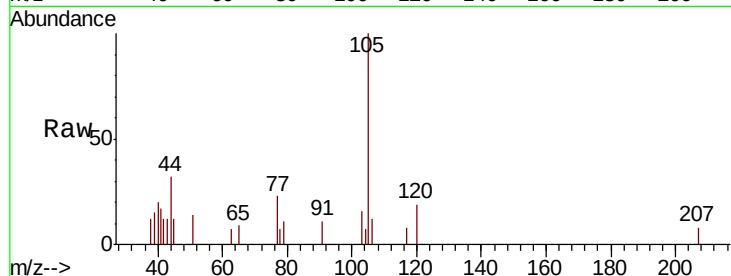
MW-GENIE

Tot Ion:105 Resp: 3811

Ion Ratio Lower Upper

105 100

120 20.4 13.2 39.5



#76

1,2,3-Trichloropropane

Concen: 25.977 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064158.D

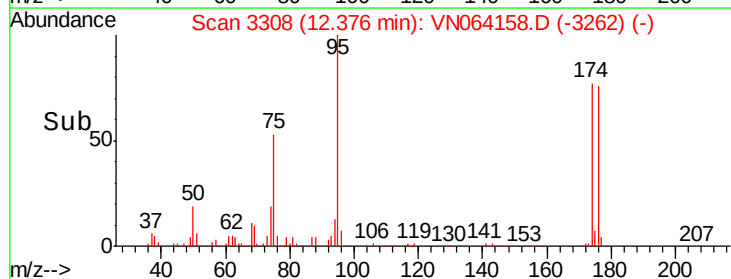
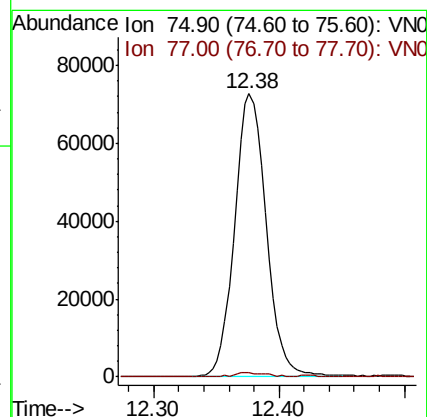
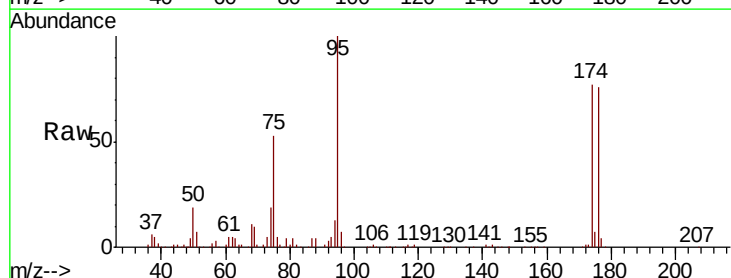
Acq: 15 Oct 2020 21:07

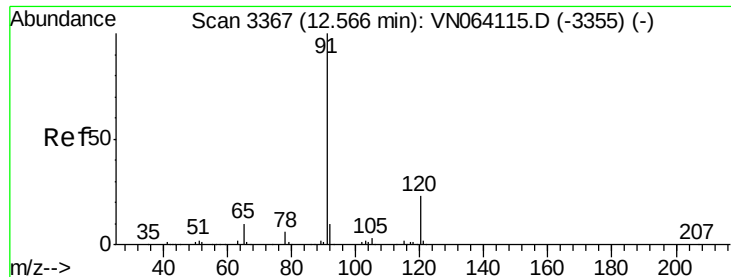
Tgt Ion: 75 Resp: 127623

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#

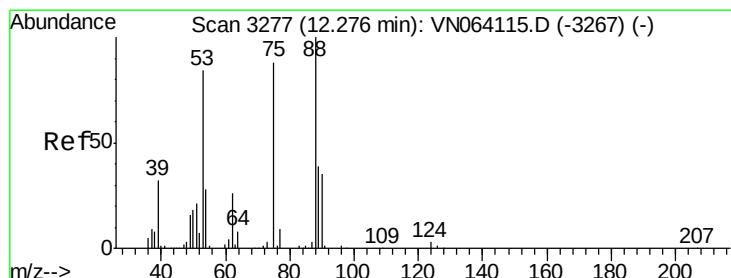
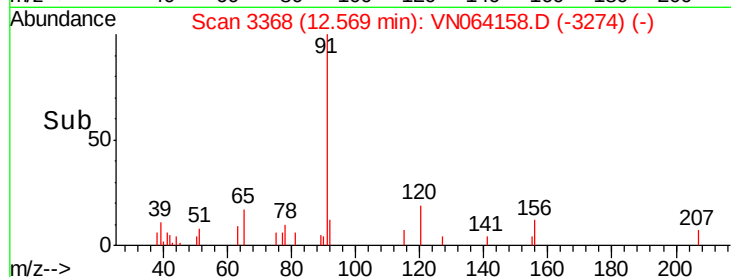
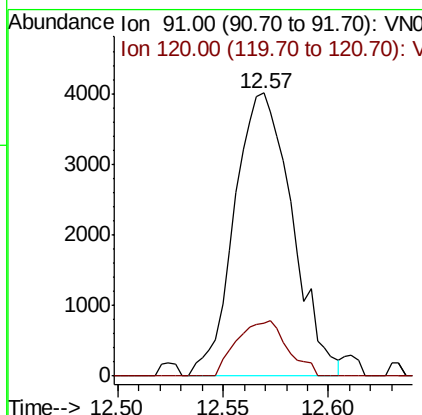
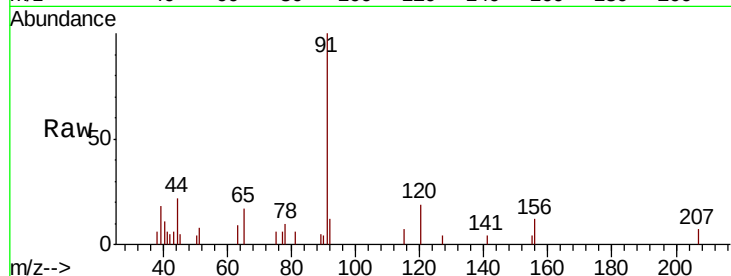




#78
n-propylbenzene
Concen: 0.452 ug/l
RT: 12.57 min Scan# 3368
Delta R.T. 0.00 min
Lab File: VN064158.D
Acq: 15 Oct 2020 21:07

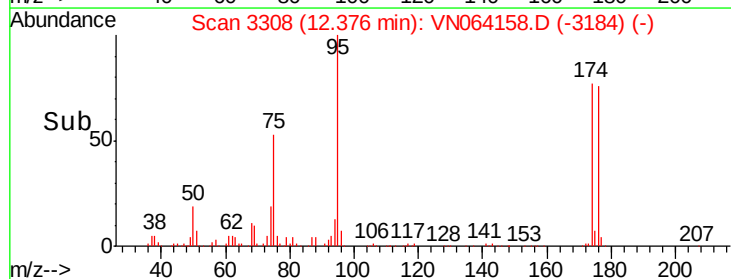
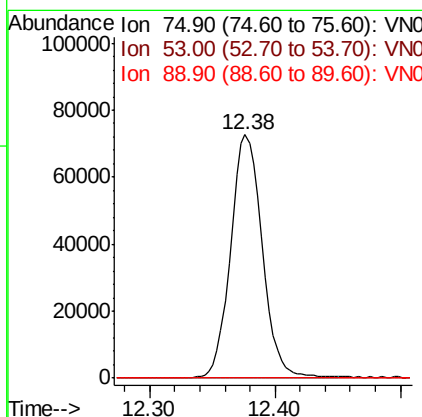
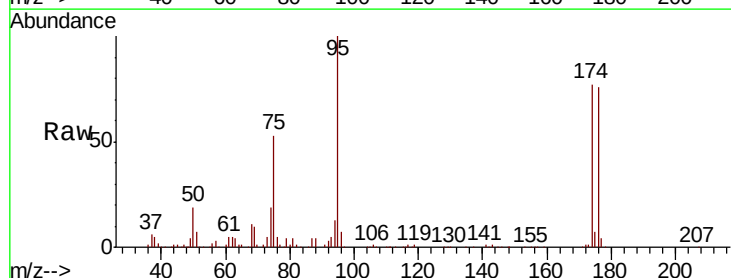
Instrument :
MSVOA_N
ClientSampled :
MW-GENIE

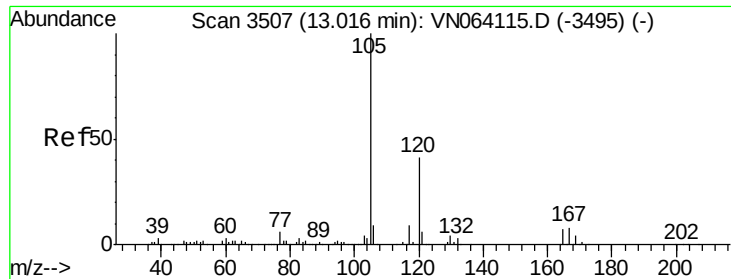
Tot Ion: 91 Resp: 7647
Ion Ratio Lower Upper
91 100
120 17.0 11.5 34.5



#81
trans-1,4-Dichloro-2-butene
Concen: 79.363 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.10 min
Lab File: VN064158.D
Acq: 15 Oct 2020 21:07

Tgt Ion: 75 Resp: 127623
Ion Ratio Lower Upper
75 100
53 0.0 75.7 113.5#
89 0.0 36.6 55.0#

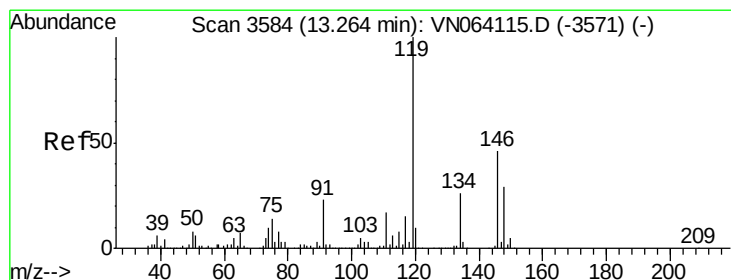
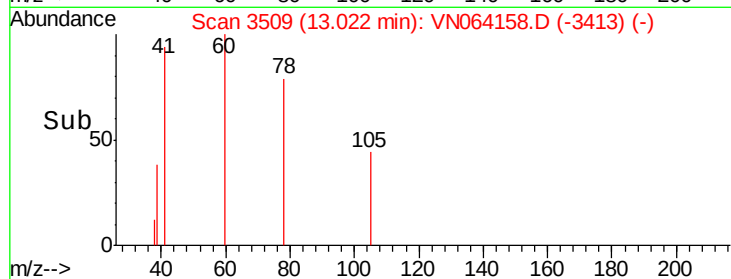
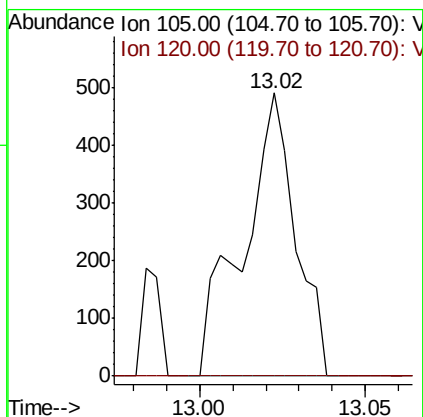
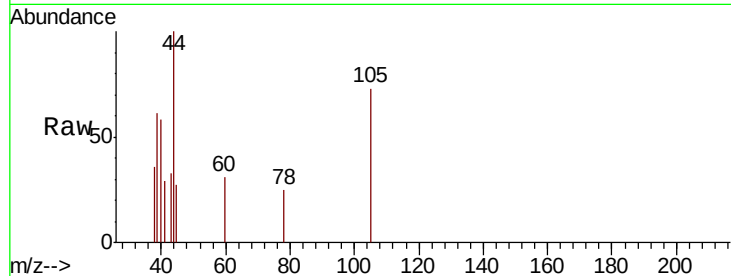




#84
 1,2,4-Trimethylbenzene
 Concen: 0.227 ug/l
 RT: 13.02 min Scan# 3509
 Delta R.T. 0.01 min
 Lab File: VN064158.D
 Acq: 15 Oct 2020 21:07

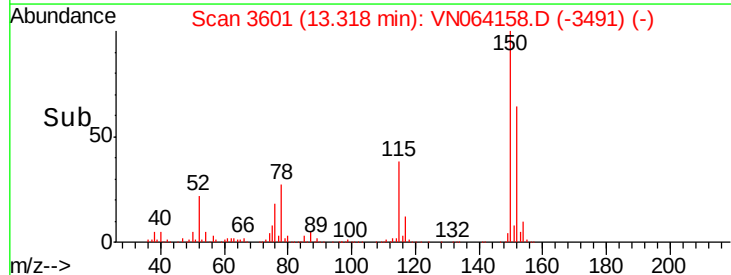
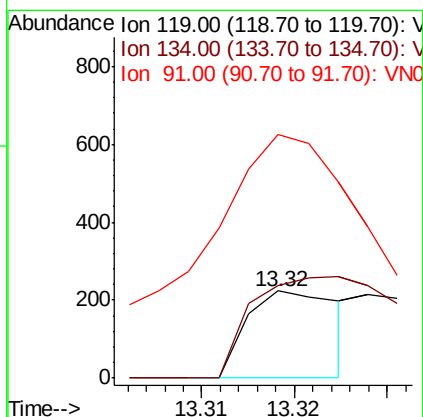
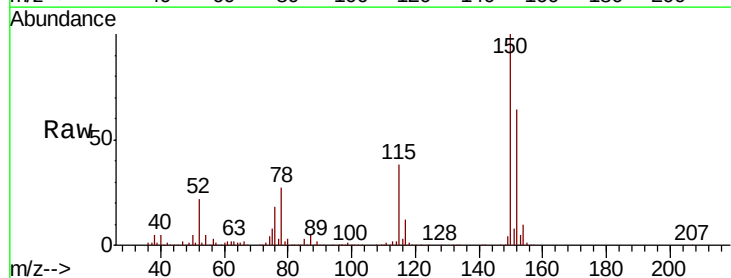
Instrument :
 MSVOA_N
 ClientSampled :
 MW-GENIE

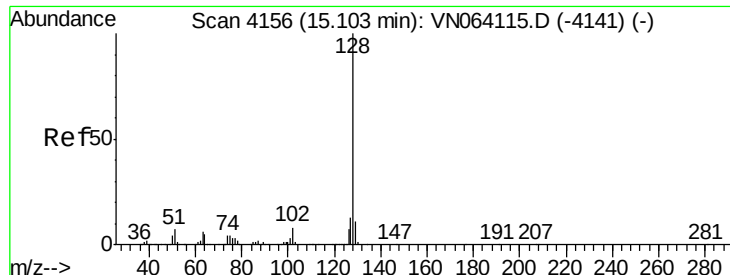
Tot Ion:105 Resp: 542
 Ion Ratio Lower Upper
 105 100
 120 0.0 22.8 68.4#



#86
 p-Isopropyltoluene
 Concen: 0.674 ug/l
 RT: 13.32 min Scan# 3601
 Delta R.T. 0.06 min
 Lab File: VN064158.D
 Acq: 15 Oct 2020 21:07

Tgt Ion:119 Resp: 154
 Ion Ratio Lower Upper
 119 100
 134 172.1 13.2 39.5#
 91 520.1 12.0 36.1#

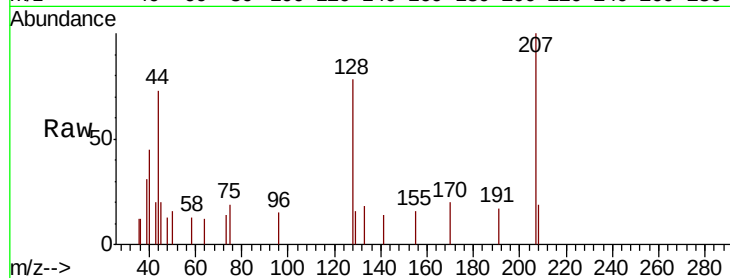




#95
Naphthalene
Concen: 3.980 ug/l
RT: 15.12 min Scan# 4160
Delta R.T. 0.01 min
Lab File: VN064158.D
Acq: 15 Oct 2020 21:07

Instrument :
MSVOA_N
ClientSampleId :
MW-GENIE

Tot Ion:128 Resp: 2029
Ion Ratio Lower Upper
128 100
127 3.8 10.2 15.4#
129 8.4 8.5 12.7#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

