

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101520\
 Data File : VN064151.D
 Acq On : 15 Oct 2020 18:19
 Operator : JC/MD
 Sample : L4417-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-13

Quant Time: Oct 16 02:26:42 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	275746	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	529447	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	555526	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	198752	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	218667	55.68	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	111.36%	
35) Dibromofluoromethane	7.55	113	186780	50.97	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.94%	
50) Toluene-d8	10.06	98	689857	49.89	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.78%	
62) 4-Bromofluorobenzene	12.38	95	236671	49.80	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.60%	

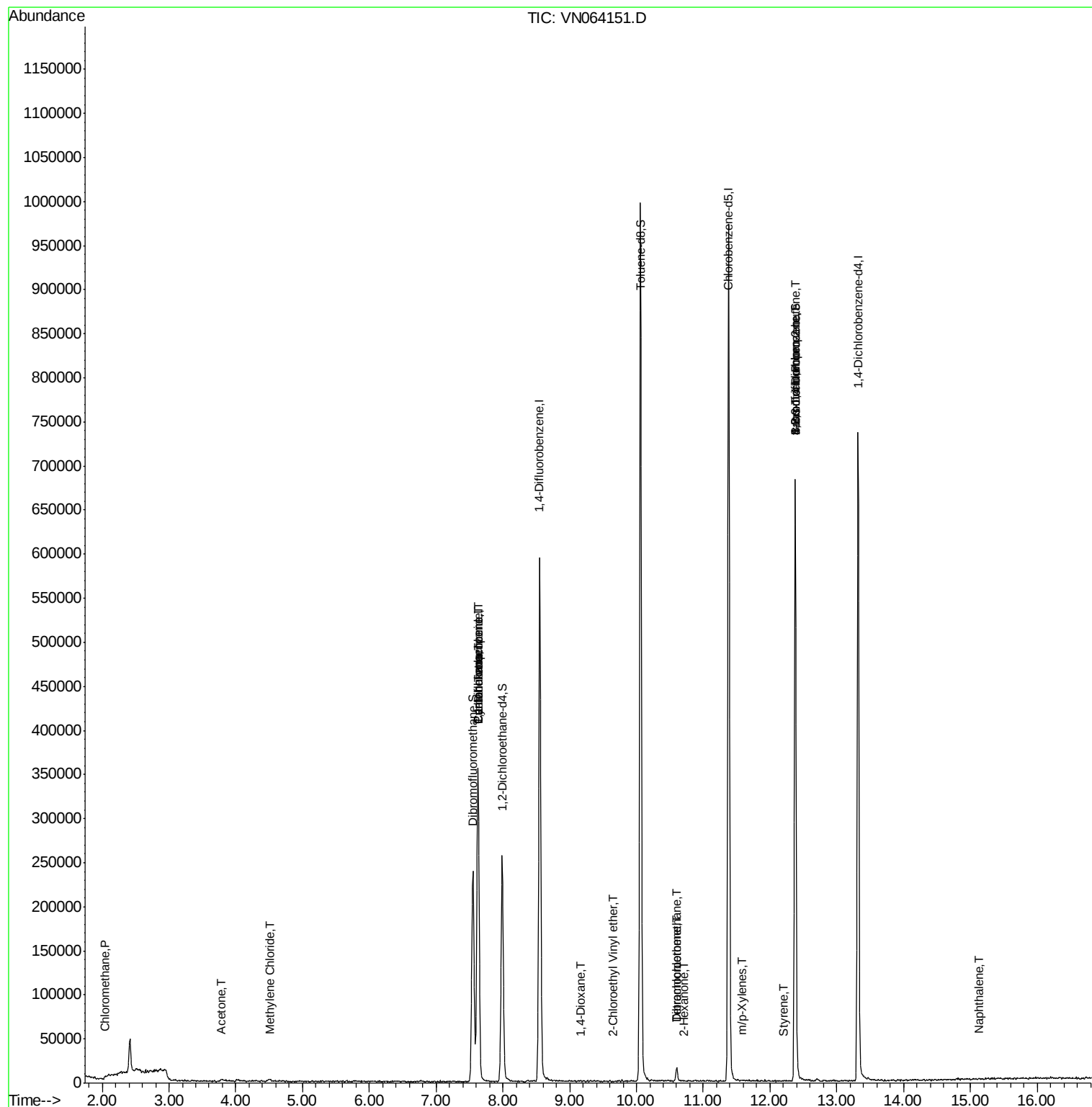
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1201	0.371	ug/l #	77
16) Acetone	3.78	43	4067	3.491	ug/l	98
20) Methylene Chloride	4.51	84	1815	0.504	ug/l #	77
31) Cyclohexane	7.63	56	7051	1.624	ug/l #	11
36) 1,1-Dichloropropene	7.63	75	24460	4.793	ug/l #	50
38) Carbon Tetrachloride	7.63	117	29215	5.324	ug/l #	16
49) 1,4-Dioxane	9.16	88	100	1.897	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.64	63	34	12.230	ug/l #	48
59) 2-Hexanone	10.71	43	170	6.886	ug/l #	24
60) Dibromochloromethane	10.60	129	2779	0.629	ug/l #	11
64) Tetrachloroethene	10.60	164	2044	0.488	ug/l	95
68) m/p-Xylenes	11.58	106	30	2.195	ug/l	93
70) Styrene	12.21	104	59	2.041	ug/l #	26
71) Bromoform	12.38	173	975	2.484	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	122056	26.176	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	122056	79.973	ug/l #	12
95) Naphthalene	15.13	128	63	3.803	ug/l #	70

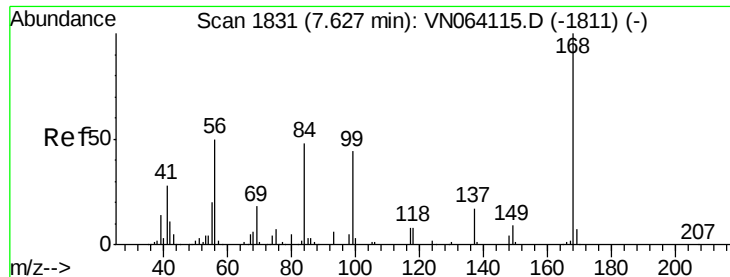
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN101520\
Data File : VN064151.D
Acq On : 15 Oct 2020 18:19
Operator : JC/MD
Sample : L4417-04
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-13

Quant Time: Oct 16 02:26:42 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N101420W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 15 01:16:44 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: VN064151.D

Acq: 15 Oct 2020 18:19

Instrument :

MSVOA_N

ClientSampled :

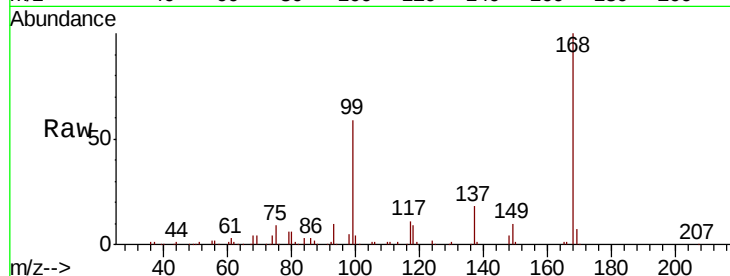
MW-13

Tot Ion:168 Resp: 275746

Ion Ratio Lower Upper

168 100

99 59.3 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

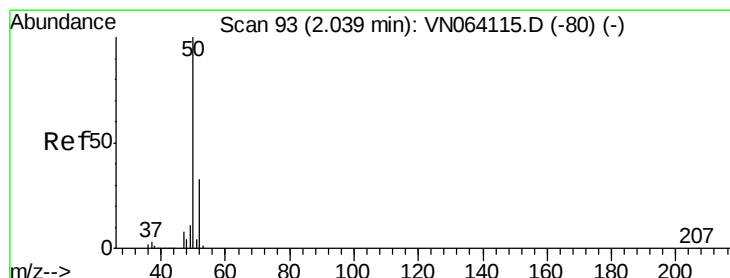
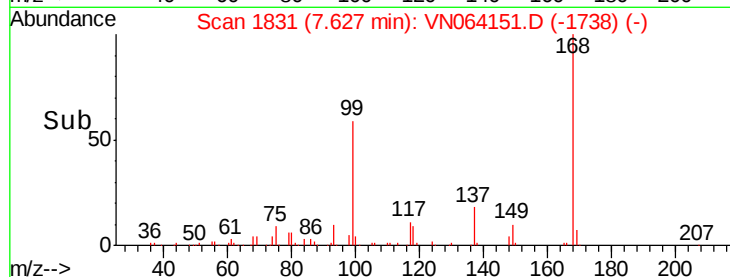
7.63

100000

50000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.371 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064151.D

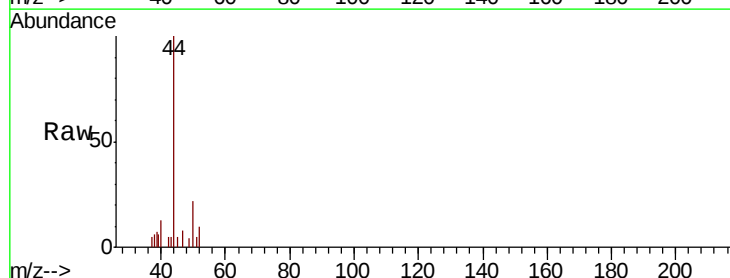
Acq: 15 Oct 2020 18:19

Tgt Ion: 50 Resp: 1201

Ion Ratio Lower Upper

50 100

52 45.5 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

1000

800

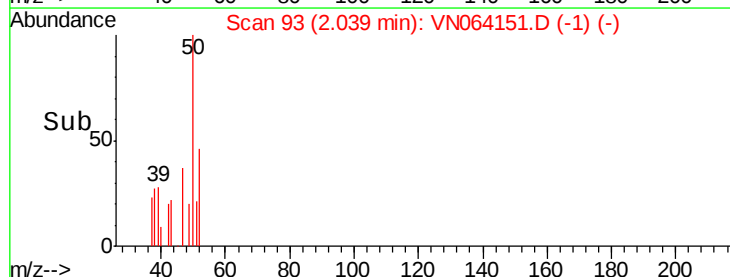
600

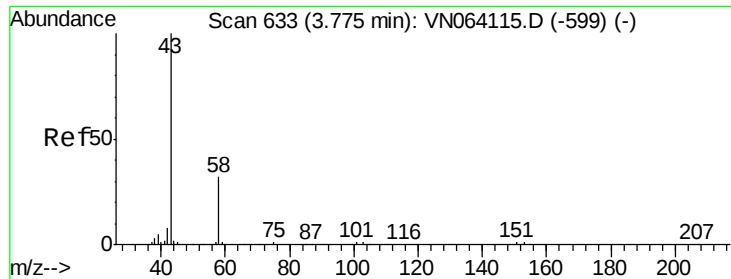
400

200

0

Time--> 2.00 2.02 2.04 2.06 2.08





#16

Acetone

Concen: 3.491 ug/l

RT: 3.78 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN064151.D

Acq: 15 Oct 2020 18:19

Instrument :

MSVOA_N

ClientSampleId :

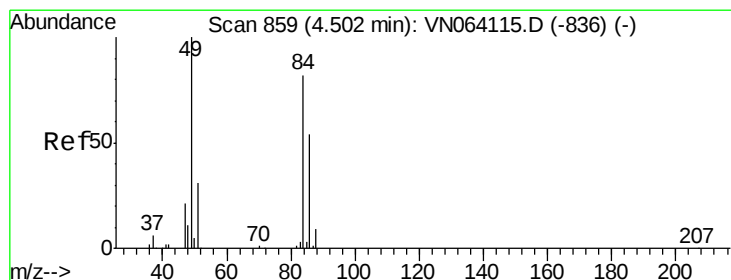
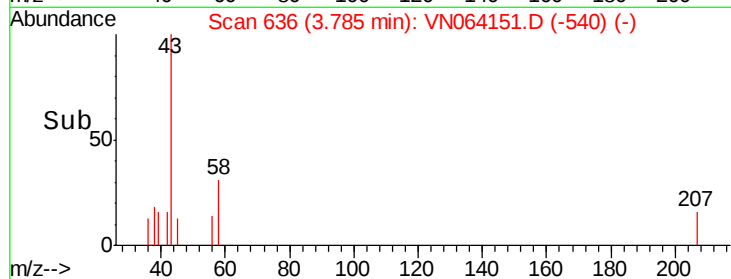
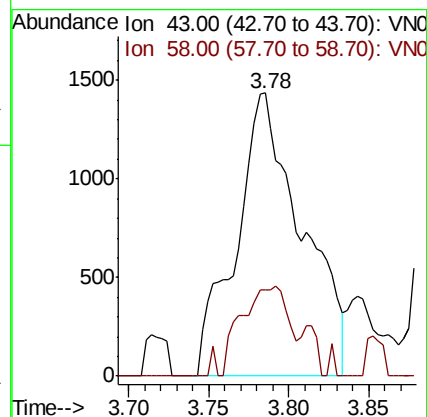
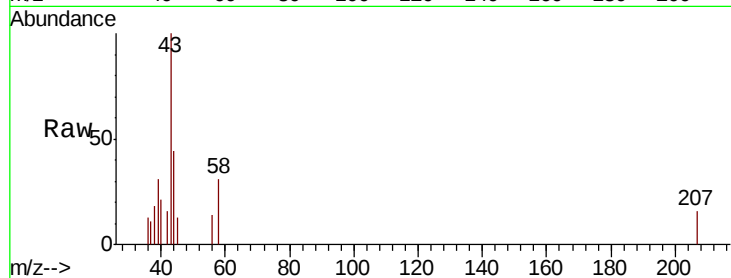
MW-13

Tot Ion: 43 Resp: 4067

Ion Ratio Lower Upper

43 100

58 30.5 25.2 37.8



#20

Methylene Chloride

Concen: 0.504 ug/l

RT: 4.51 min Scan# 861

Delta R.T. 0.01 min

Lab File: VN064151.D

Acq: 15 Oct 2020 18:19

Tgt Ion: 84 Resp: 1815

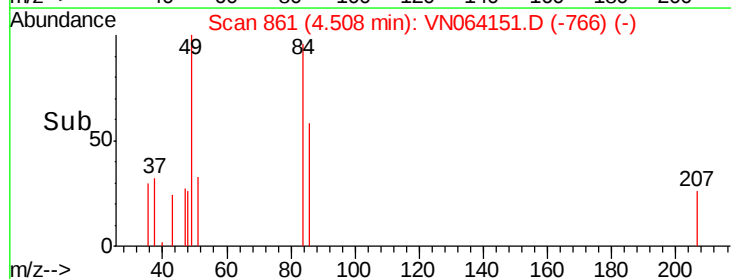
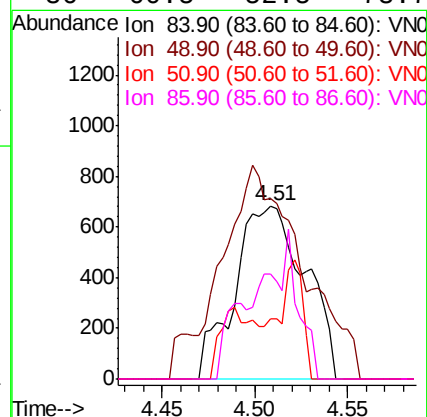
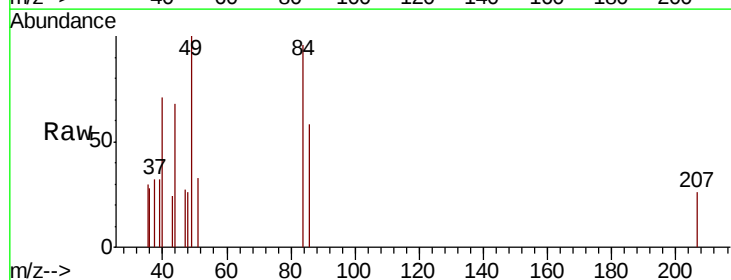
Ion Ratio Lower Upper

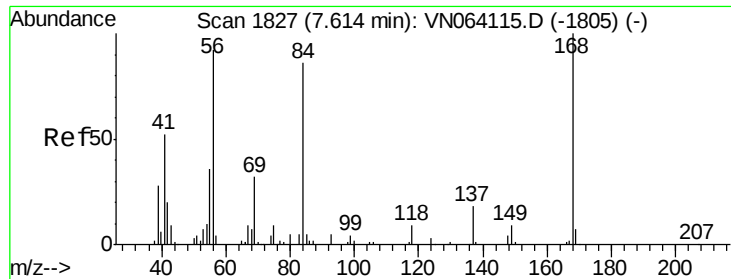
84 100

49 79.1 97.4 146.0#

51 34.7 29.7 44.5

86 60.5 52.5 78.7

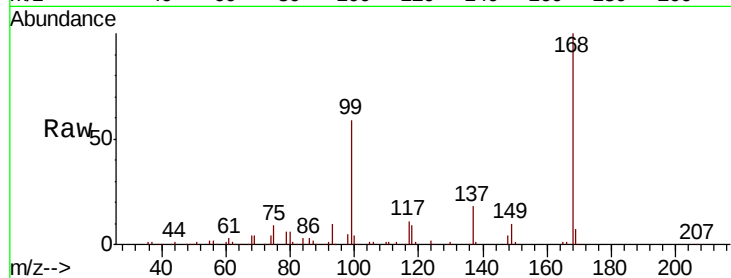




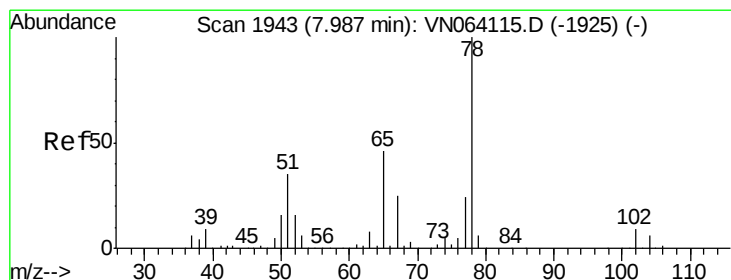
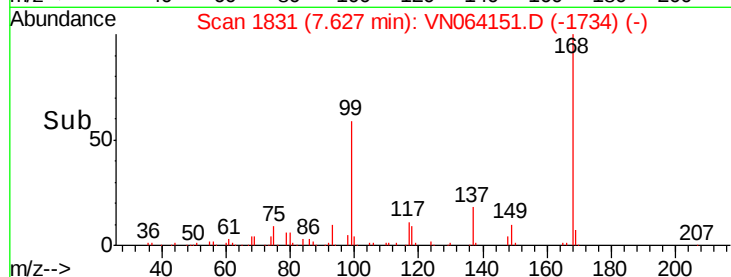
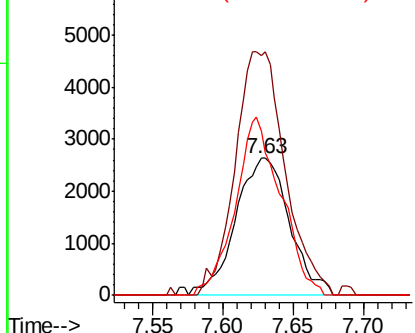
#31
Cyclohexane
Concen: 1.624 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN064151.D
Acq: 15 Oct 2020 18:19

Instrument :
MSVOA_N
ClientSampleId :
MW-13

Tot Ion: 56 Resp: 7051
Ion Ratio Lower Upper
56 100
69 175.1 27.8 41.6#
84 120.1 73.2 109.8#

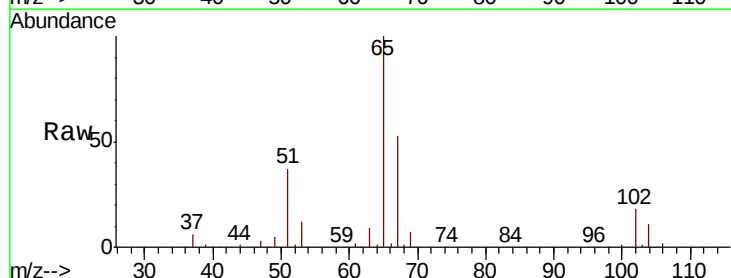


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

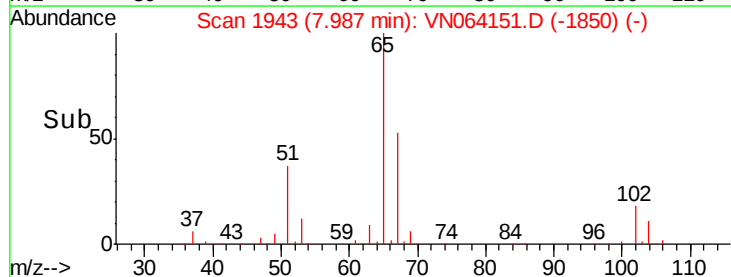
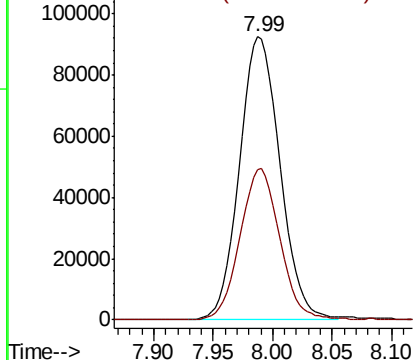


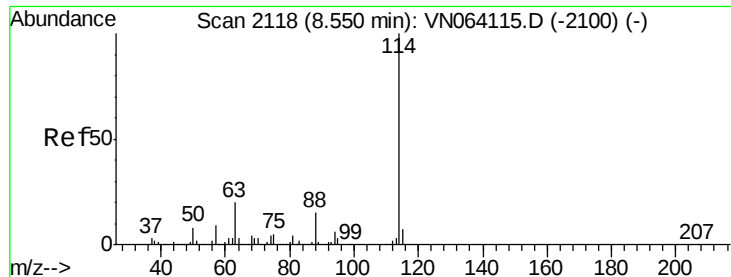
#33
1,2-Dichloroethane-d4
Concen: 55.680 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN064151.D
Acq: 15 Oct 2020 18:19

Tgt Ion: 65 Resp: 218667
Ion Ratio Lower Upper
65 100
67 52.4 0.0 105.6



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# 2119

Delta R.T. 0.00 min

Lab File: VN064151.D

Acq: 15 Oct 2020 18:19

Instrument :

MSVOA_N

ClientSampleId :

MW-13

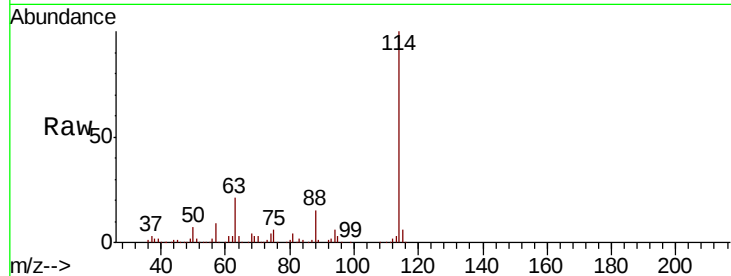
Tot Ion:114 Resp: 529447

Ion Ratio Lower Upper

114 100

63 21.1 0.0 41.0

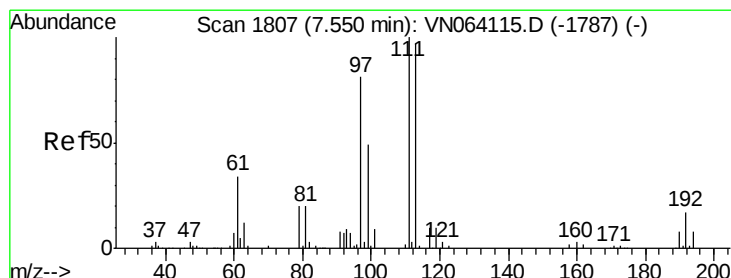
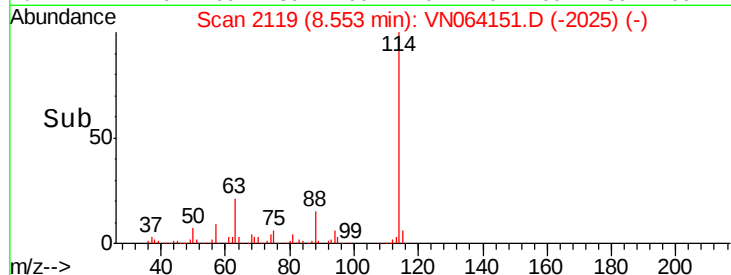
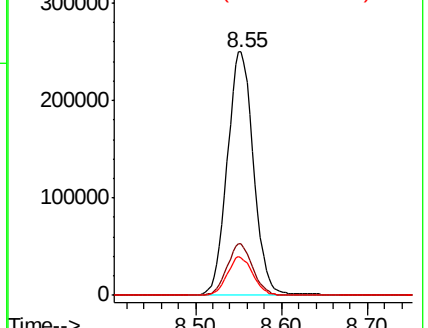
88 15.4 0.0 29.2



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: 50.969 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN064151.D

Acq: 15 Oct 2020 18:19

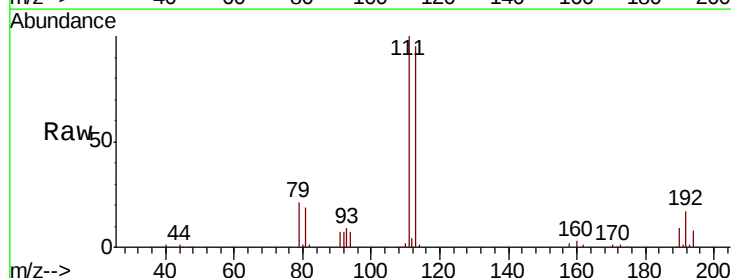
Tgt Ion:113 Resp: 186780

Ion Ratio Lower Upper

113 100

111 101.3 81.9 122.9

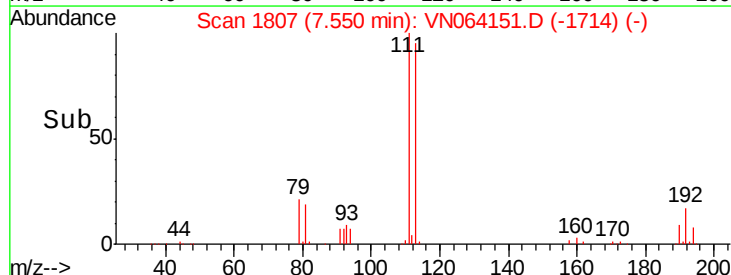
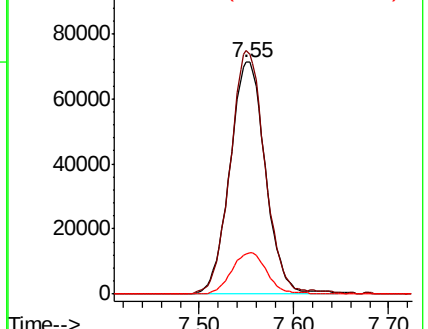
192 17.8 14.3 21.5

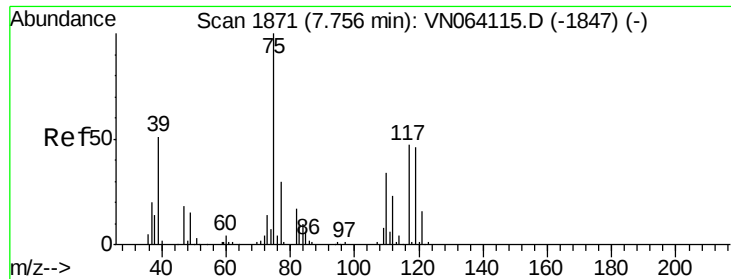


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

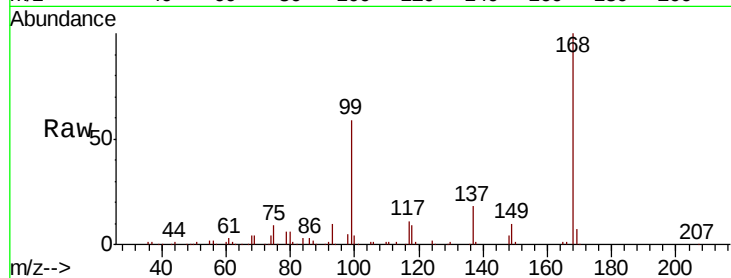




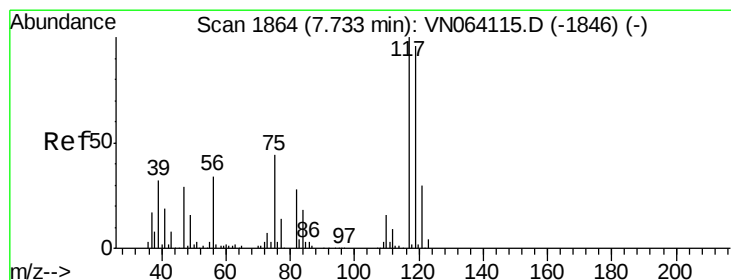
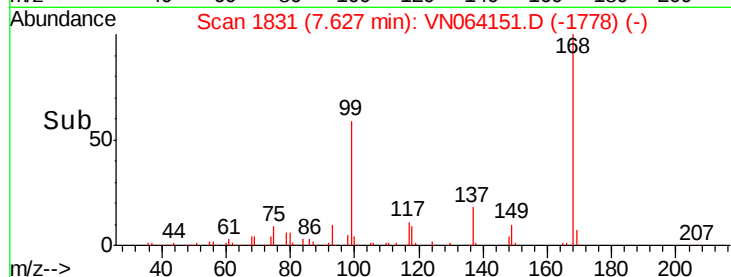
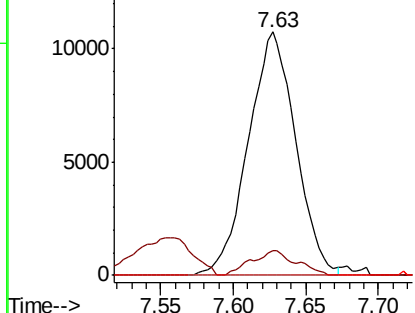
#36
 1,1-Dichloropropene
 Concen: 4.793 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064151.D
 Acq: 15 Oct 2020 18:19

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-13

Tot Ion	75	110	77	Resp	Lower	Upper
24460	100	9.6	0.0		17.8	53.3#
					24.9	37.3#

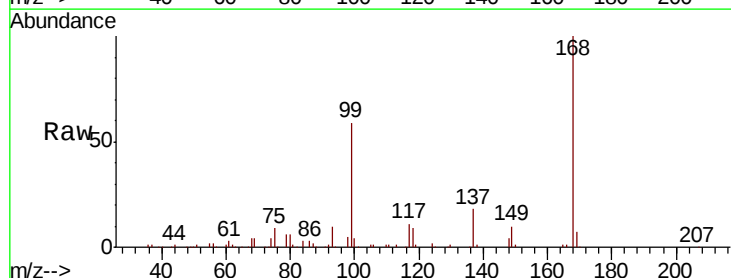


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

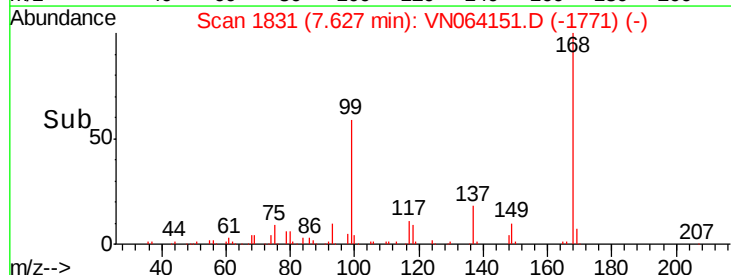
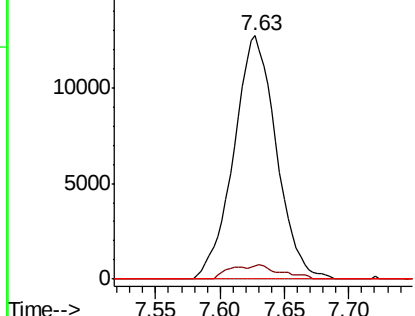


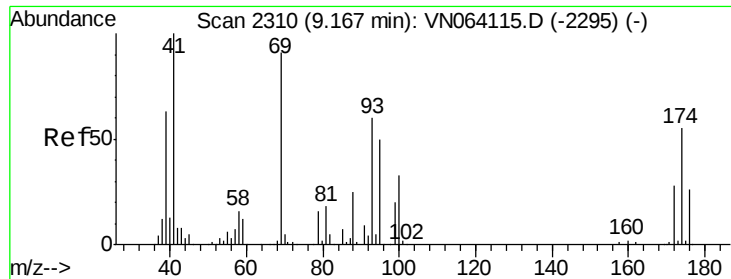
#38
 Carbon Tetrachloride
 Concen: 5.324 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN064151.D
 Acq: 15 Oct 2020 18:19

Tgt Ion	117	119	121	Resp	Lower	Upper
29215	100	5.5	0.0		77.0	115.4#
					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

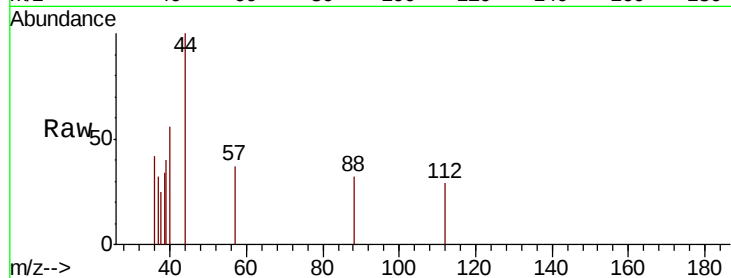




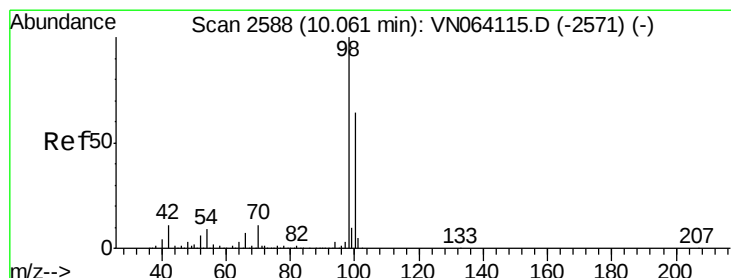
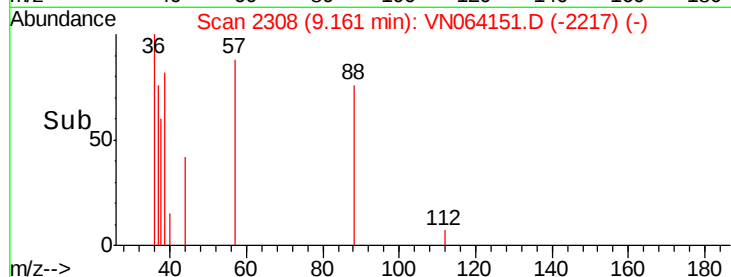
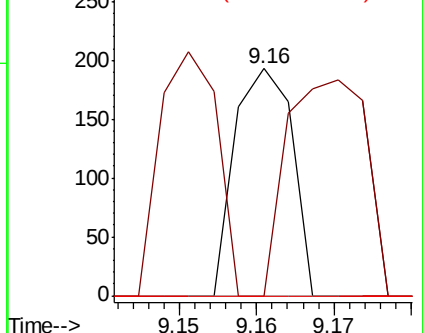
#49
 1,4-Dioxane
 Concen: 1.897 ug/l
 RT: 9.16 min Scan# 2308
 Delta R.T. -0.01 min
 Lab File: VN064151.D
 Acq: 15 Oct 2020 18:19

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-13

Tot Ion: 88 Resp: 100
 Ion Ratio Lower Upper
 88 100
 43 131.0 27.2 40.8#
 58 0.0 52.6 78.8#

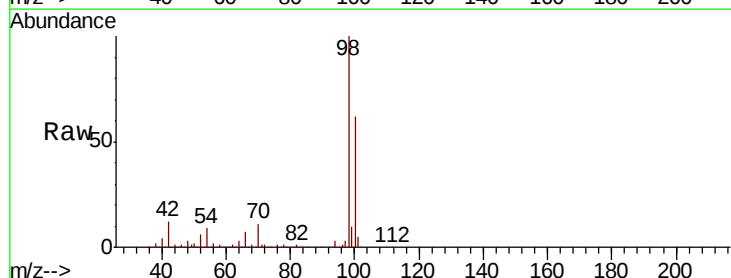


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

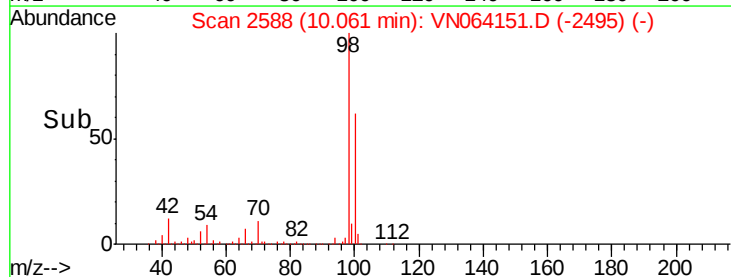
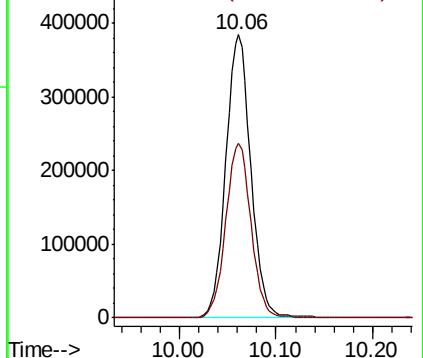


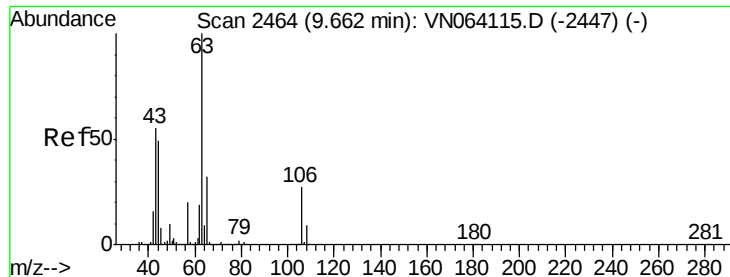
#50
 Toluene-d8
 Concen: 49.892 ug/l
 RT: 10.06 min Scan# 2588
 Delta R.T. 0.00 min
 Lab File: VN064151.D
 Acq: 15 Oct 2020 18:19

Tgt Ion: 98 Resp: 689857
 Ion Ratio Lower Upper
 98 100
 100 62.4 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

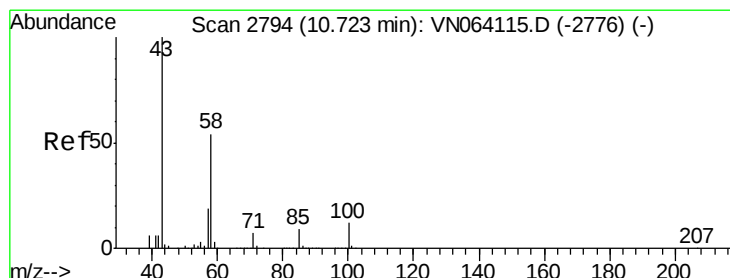
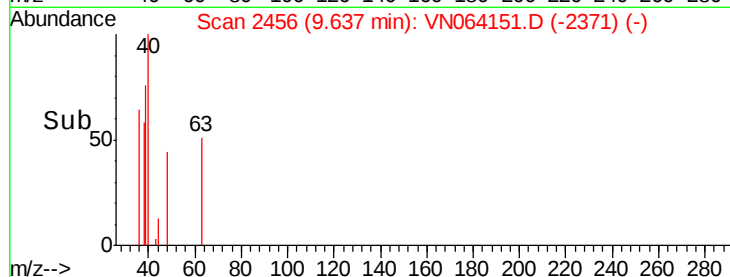
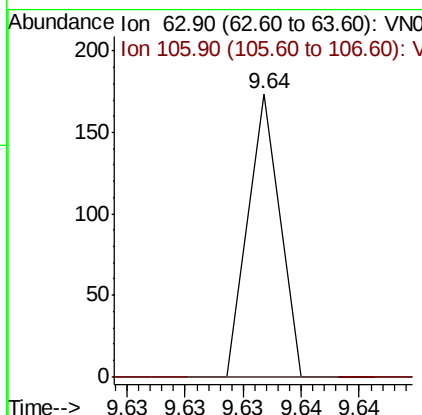
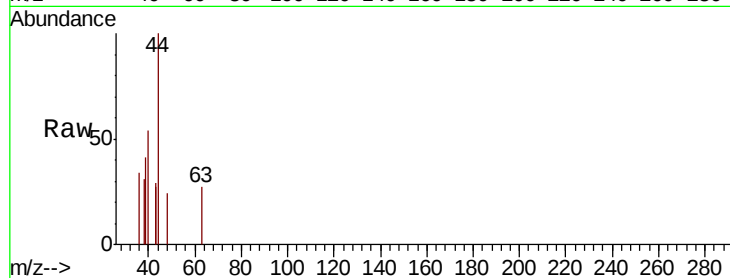




#58
 2-Chloroethyl Vinyl ether
 Concen: 12.230 ug/l
 RT: 9.64 min Scan# 2456
 Delta R.T. -0.03 min
 Lab File: VN064151.D
 Acq: 15 Oct 2020 18:19

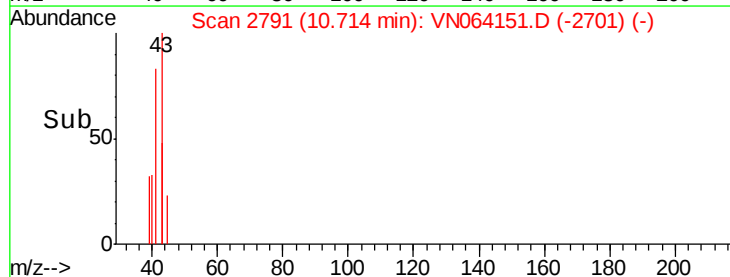
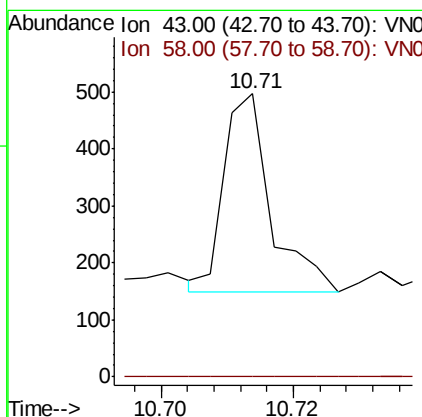
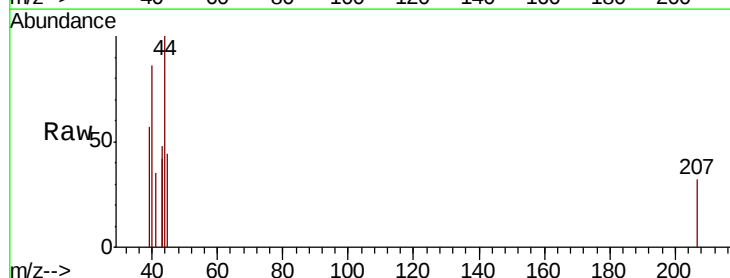
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-13

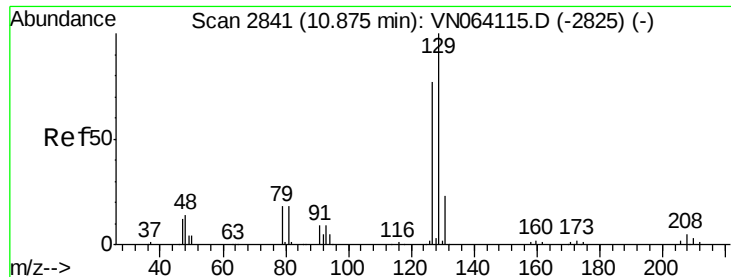
Tot Ion: 63 Resp: 34
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.8 32.6#



#59
 2-Hexanone
 Concen: 6.886 ug/l
 RT: 10.71 min Scan# 2791
 Delta R.T. -0.01 min
 Lab File: VN064151.D
 Acq: 15 Oct 2020 18:19

Tgt Ion: 43 Resp: 170
 Ion Ratio Lower Upper
 43 100
 58 0.0 27.2 81.6#

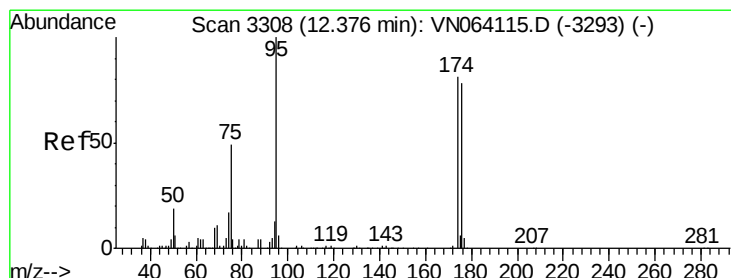
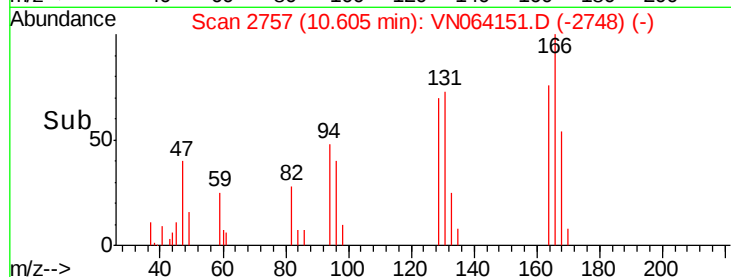
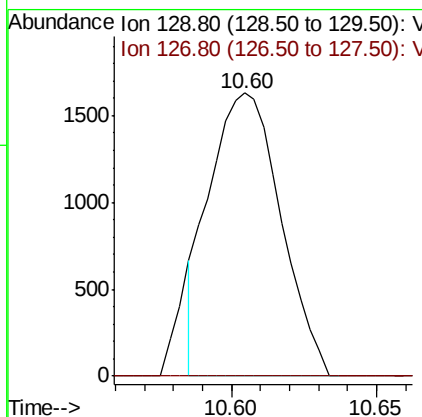
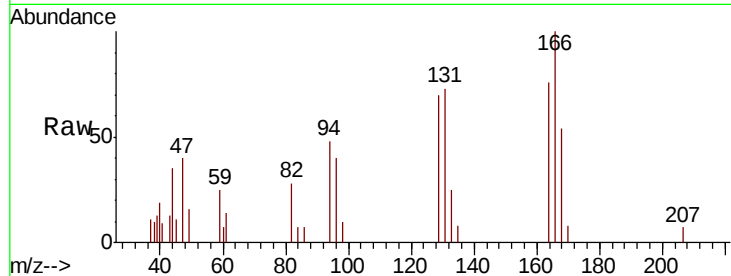




#60
 Dibromochloromethane
 Concen: 0.629 ug/l
 RT: 10.60 min Scan# 2757
 Delta R.T. -0.27 min
 Lab File: VN064151.D
 Acq: 15 Oct 2020 18:19

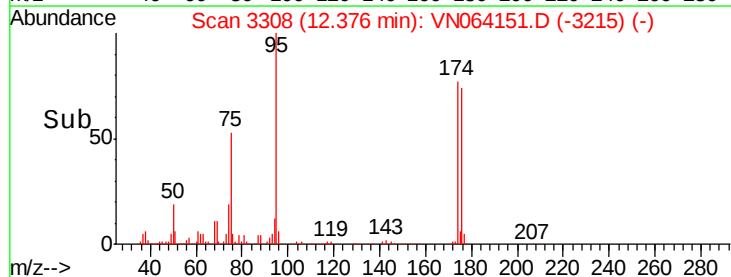
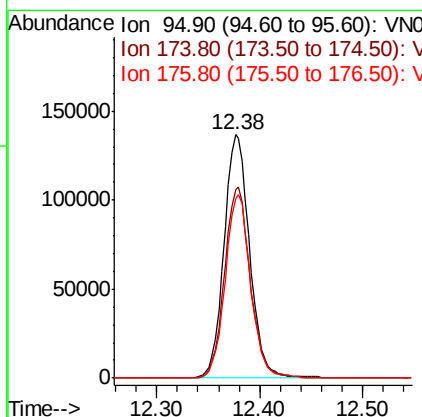
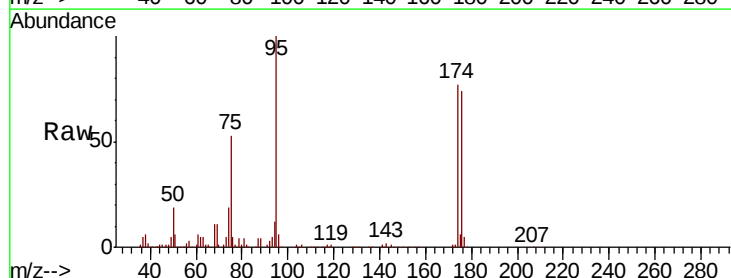
Instrument :
 MSVOA_N
 ClientSampled :
 MW-13

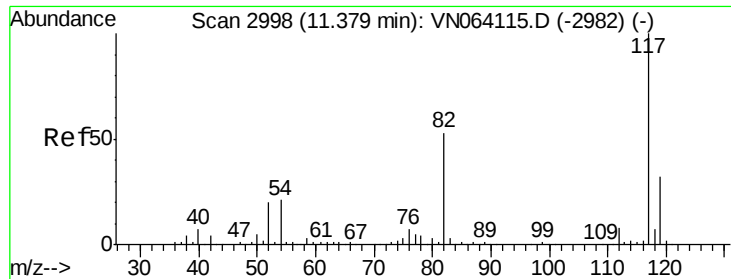
Tot Ion:129 Resp: 2779
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.2 114.6#



#62
 4-Bromofluorobenzene
 Concen: 49.797 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064151.D
 Acq: 15 Oct 2020 18:19

Tgt Ion: 95 Resp: 236671
 Ion Ratio Lower Upper
 95 100
 174 78.7 0.0 164.8
 176 74.7 0.0 157.8

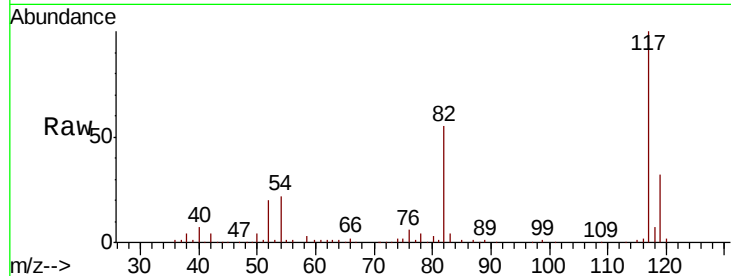




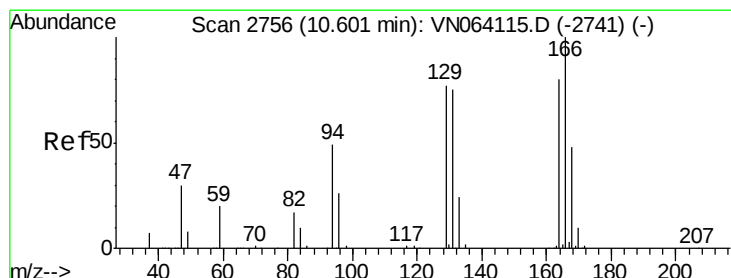
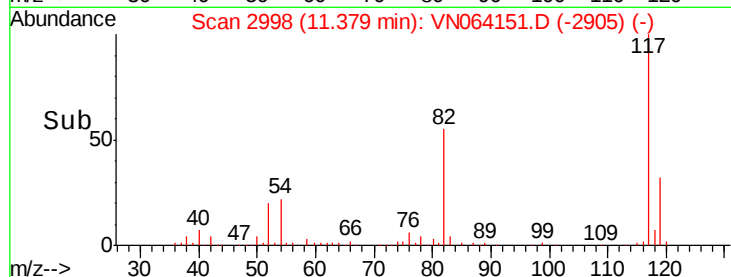
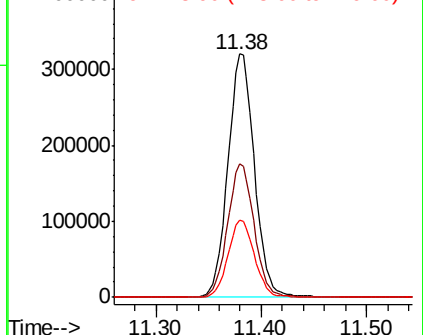
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064151.D
Acq: 15 Oct 2020 18:19

Instrument :
MSVOA_N
ClientSampled :
MW-13

Tot Ion:117 Resp: 55526
Ion Ratio Lower Upper
117 100
82 54.7 42.6 63.8
119 31.7 25.5 38.3

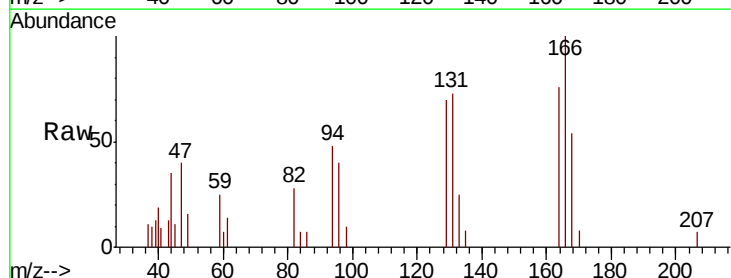


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

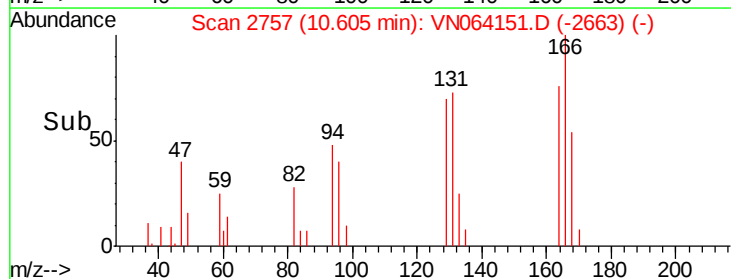
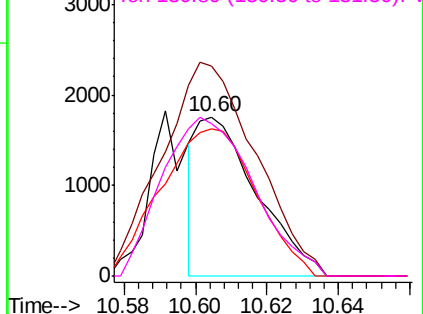


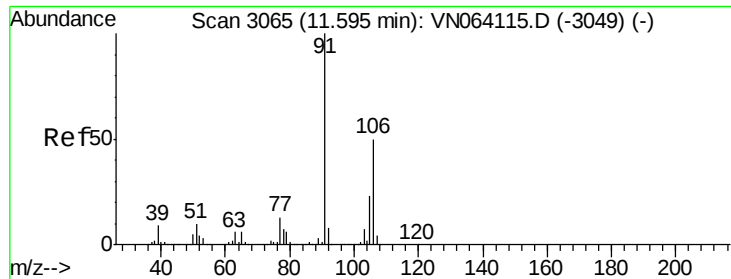
#64
Tetrachloroethene
Concen: 0.488 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN064151.D
Acq: 15 Oct 2020 18:19

Tgt Ion:164 Resp: 2044
Ion Ratio Lower Upper
164 100
166 132.1 99.7 149.5
129 92.7 77.0 115.4
131 96.0 74.6 111.8



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

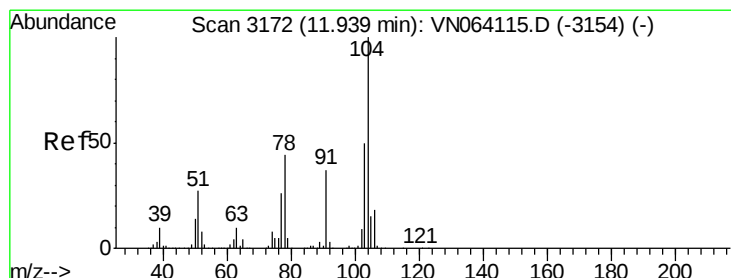
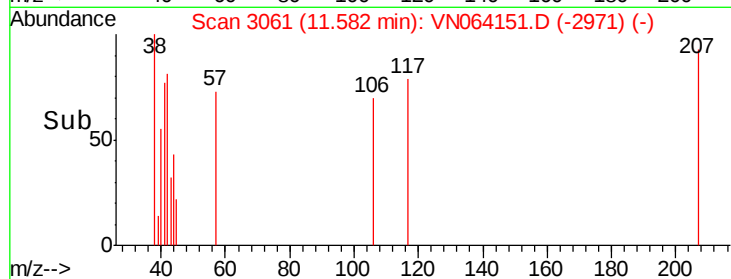
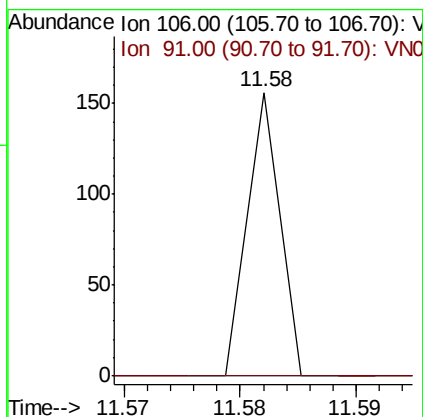
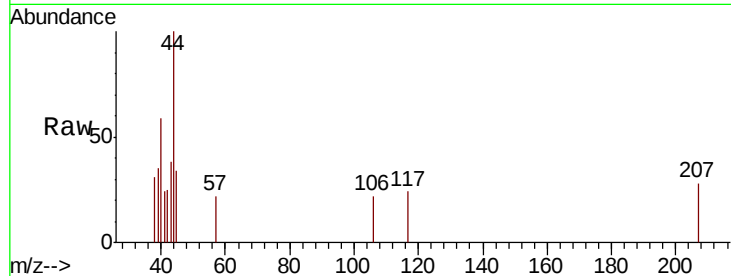




#68
m/p-Xylenes
Concen: 2.195 ug/l
RT: 11.58 min Scan# 3061
Delta R.T. -0.01 min
Lab File: VN064151.D
Acq: 15 Oct 2020 18:19

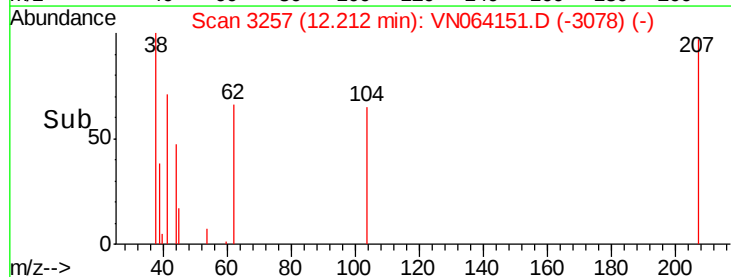
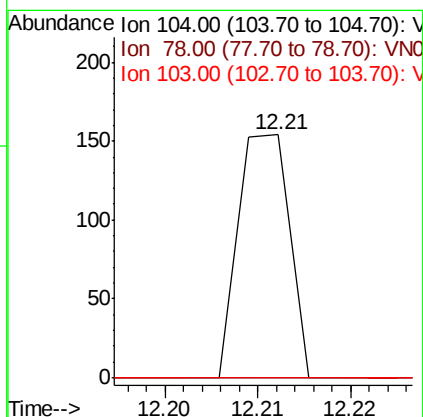
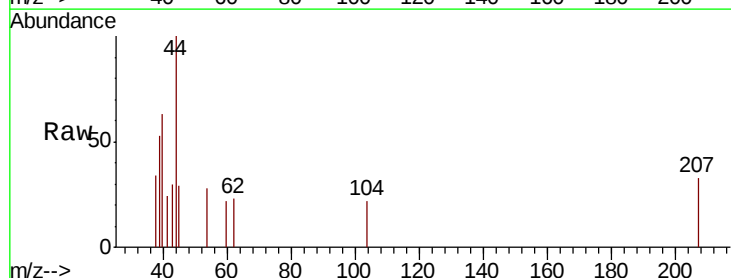
Instrument :
MSVOA_N
ClientSampleId :
MW-13

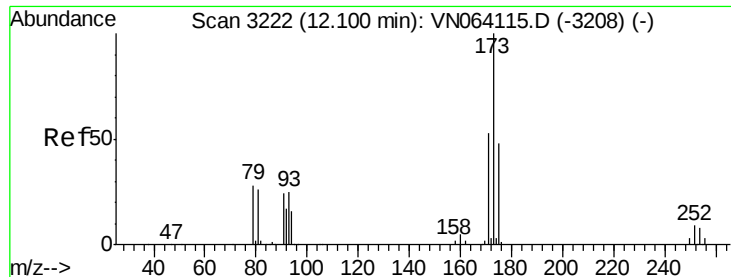
Tot Ion:106 Resp: 30
Ion Ratio Lower Upper
106 100
91 213.3 162.1 243.1



#70
Styrene
Concen: 2.041 ug/l
RT: 12.21 min Scan# 3257
Delta R.T. 0.27 min
Lab File: VN064151.D
Acq: 15 Oct 2020 18:19

Tgt Ion:104 Resp: 59
Ion Ratio Lower Upper
104 100
78 0.0 39.7 59.5#
103 0.0 44.2 66.2#





#71

Bromoform

Concen: 2.484 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.28 min

Lab File: VN064151.D

Acq: 15 Oct 2020 18:19

Instrument :

MSVOA_N

ClientSampled :

MW-13

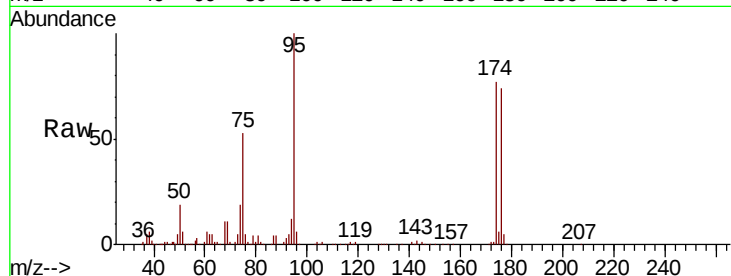
Tot Ion:173 Resp: 975

Ion Ratio Lower Upper

173 100

175 1151.0 23.4 70.2#

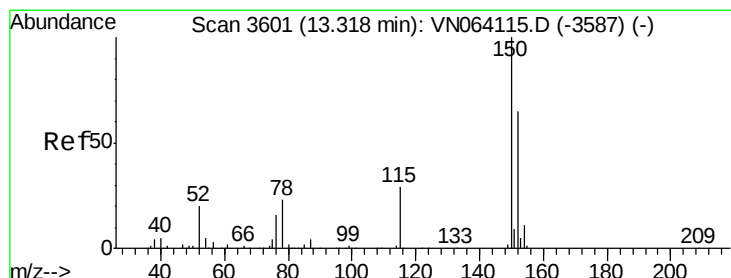
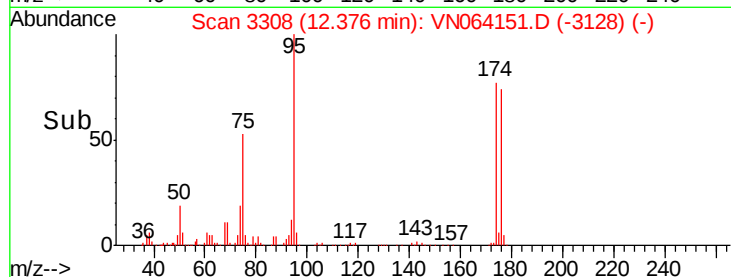
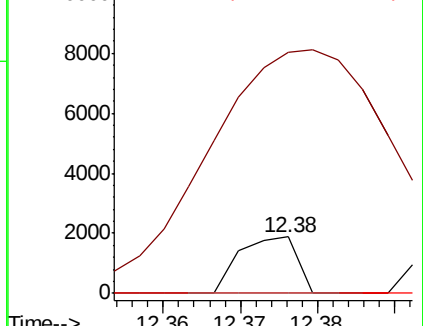
254 0.0 0.1 0.1#



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: VN064151.D

Acq: 15 Oct 2020 18:19

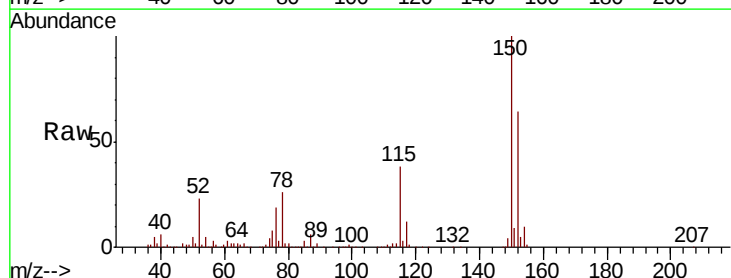
Tgt Ion:152 Resp: 198752

Ion Ratio Lower Upper

152 100

115 60.2 29.3 87.8

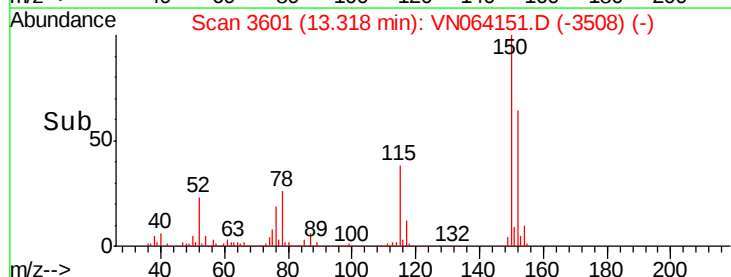
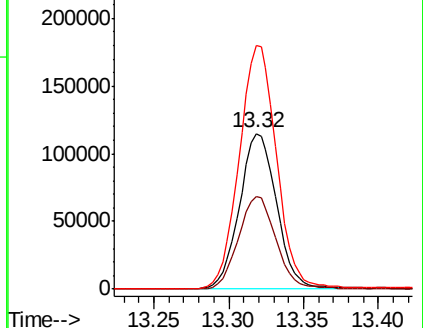
150 158.2 0.0 346.0

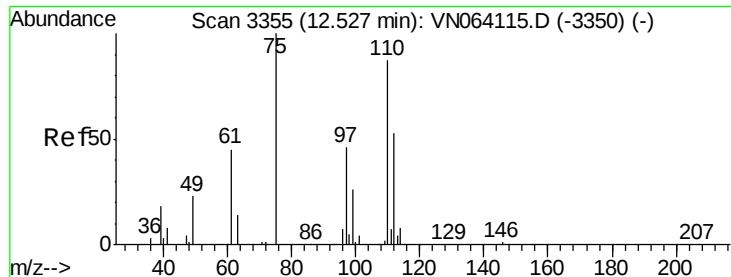


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.176 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064151.D

Acq: 15 Oct 2020 18:19

Instrument :

MSVOA_N

ClientSampled :

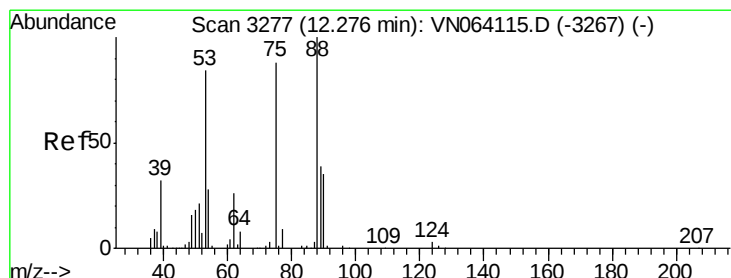
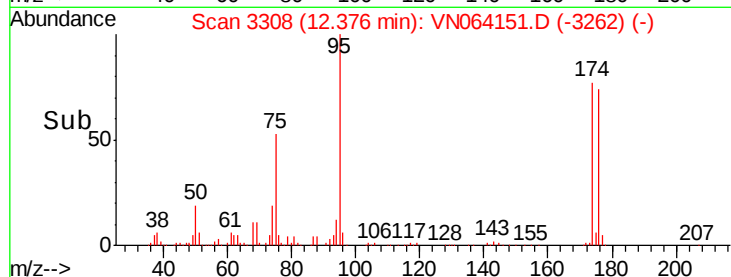
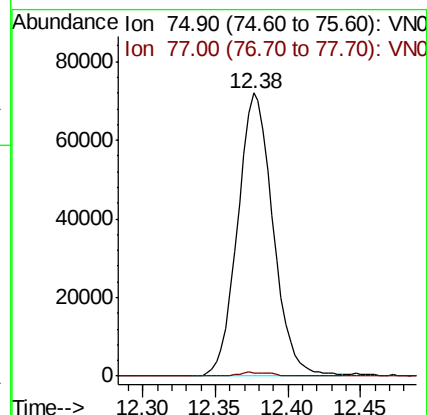
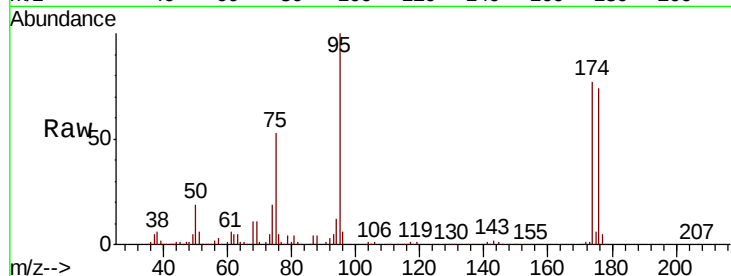
MW-13

Tot Ion: 75 Resp: 122056

Ion Ratio Lower Upper

75 100

77 0.8 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 79.973 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064151.D

Acq: 15 Oct 2020 18:19

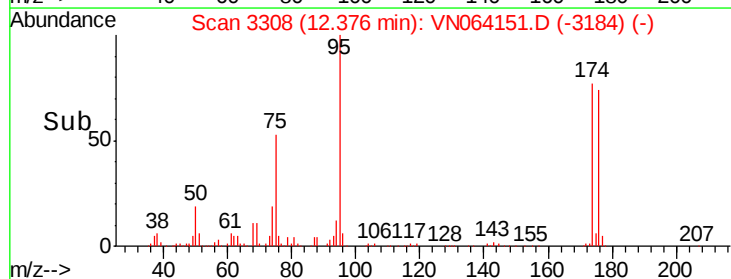
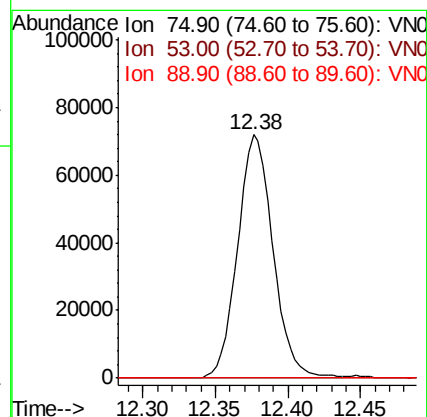
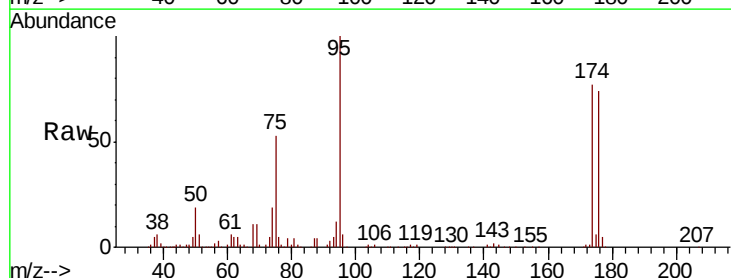
Tgt Ion: 75 Resp: 122056

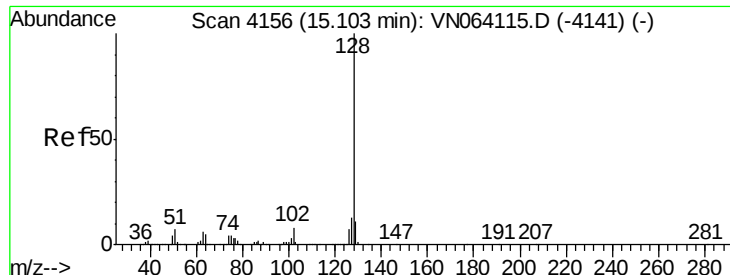
Ion Ratio Lower Upper

75 100

53 0.3 75.7 113.5#

89 0.0 36.6 55.0#

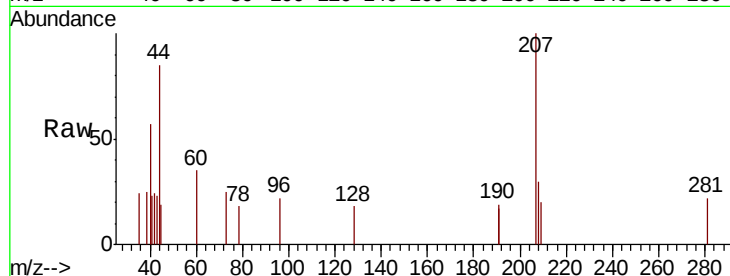




#95
Naphthalene
Concen: 3.803 ug/l
RT: 15.13 min Scan# 4163
Delta R.T. 0.02 min
Lab File: VN064151.D
Acq: 15 Oct 2020 18:19

Instrument :
MSVOA_N
ClientSampleId :
MW-13

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.4#
129	0.0	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

