

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101520\
 Data File : VN064155.D
 Acq On : 15 Oct 2020 19:55
 Operator : JC/MD
 Sample : L4417-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-11

Quant Time: Oct 16 02:28:03 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	264456	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	506438	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	542299	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	194637	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	209504	55.62	ug/l	0.00
Spiked Amount			Recovery	=	111.24%	
35) Dibromofluoromethane	7.55	113	181266	51.71	ug/l	0.00
Spiked Amount			Recovery	=	103.42%	
50) Toluene-d8	10.06	98	661311	50.00	ug/l	0.00
Spiked Amount			Recovery	=	100.00%	
62) 4-Bromofluorobenzene	12.38	95	228208	50.20	ug/l	0.00
Spiked Amount			Recovery	=	100.40%	

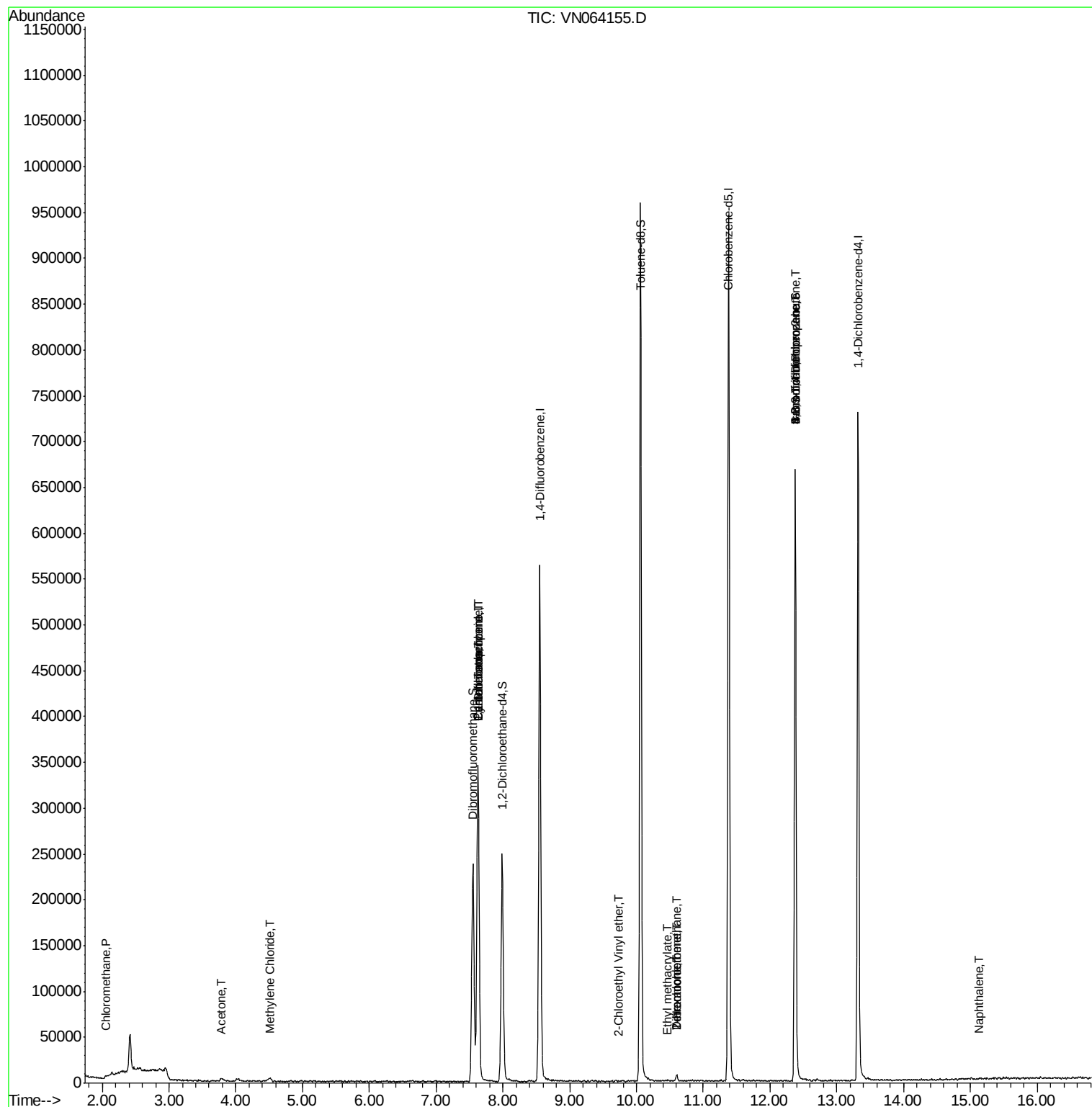
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1254	0.404	ug/l	89
16) Acetone	3.78	43	2781	2.489	ug/l #	86
20) Methylene Chloride	4.51	84	1610	0.466	ug/l #	89
31) Cyclohexane	7.62	56	6583	1.581	ug/l #	22
36) 1,1-Dichloropropene	7.63	75	21739	4.453	ug/l #	50
38) Carbon Tetrachloride	7.63	117	27469	5.233	ug/l #	16
56) Ethyl methacrylate	10.47	69	64	2.310	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.72	63	59	12.239	ug/l #	48
59) 2-Hexanone	10.61	43	76	6.860	ug/l	81
60) Dibromochloromethane	10.61	129	1288	0.305	ug/l #	11
64) Tetrachloroethene	10.60	164	1427	0.349	ug/l #	82
71) Bromoform	12.37	173	1102	2.524	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	119861	26.249	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	119861	80.195	ug/l #	12
95) Naphthalene	15.13	128	67	3.804	ug/l #	70

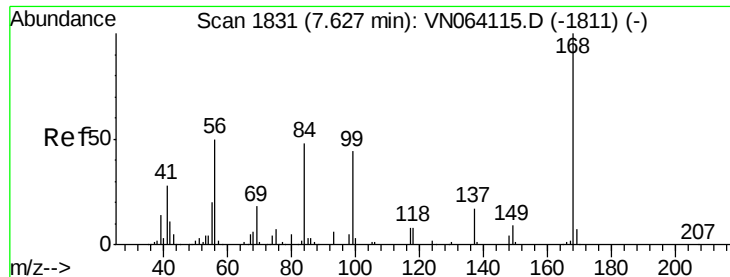
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN064155.D

Acq: 15 Oct 2020 19:55

Instrument :

MSVOA_N

ClientSampled :

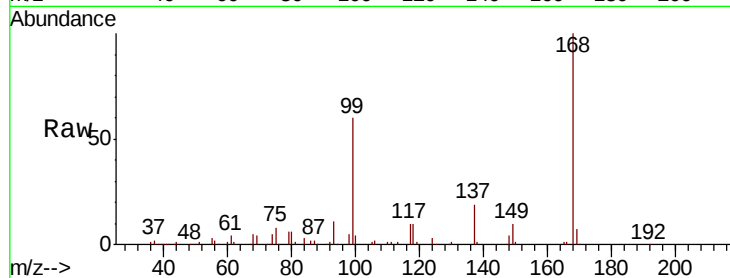
MW-11

Tot Ion:168 Resp: 264456

Ion Ratio Lower Upper

168 100

99 59.8 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): VN064115.D (-1811) (-)

Ion 98.90 (98.60 to 99.60): VN064115.D (-1811) (-)

7.63

120000

100000

80000

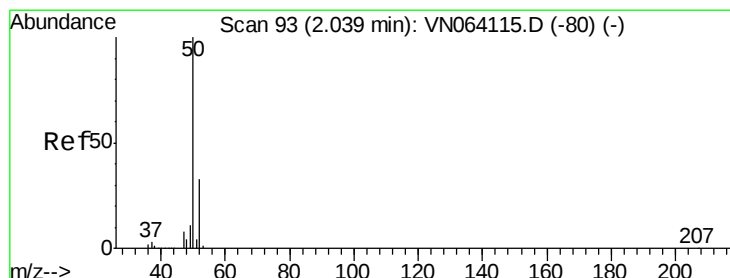
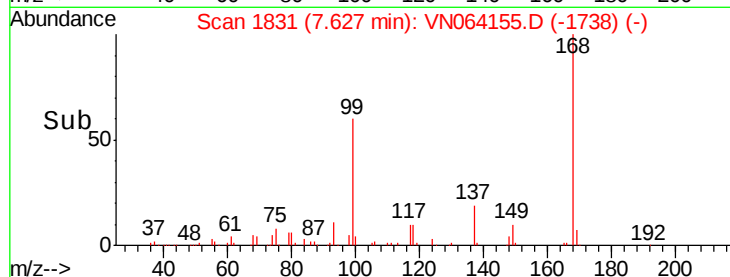
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.404 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064155.D

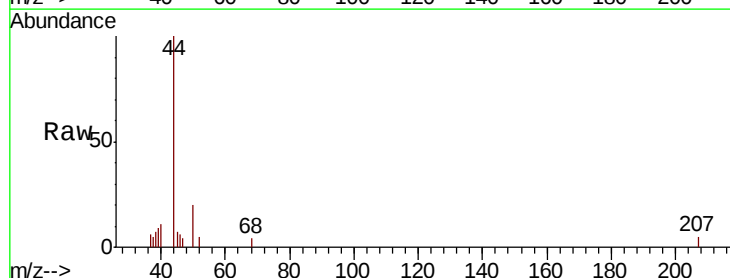
Acq: 15 Oct 2020 19:55

Tgt Ion: 50 Resp: 1254

Ion Ratio Lower Upper

50 100

52 26.2 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VN064115.D (-80) (-)

Ion 51.90 (51.60 to 52.60): VN064115.D (-80) (-)

2.04

800

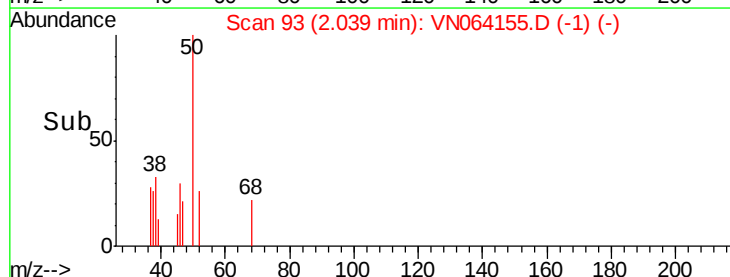
600

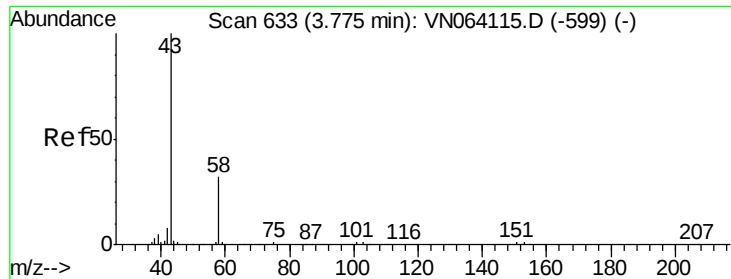
400

200

0

Time-->





#16

Acetone

Concen: 2.489 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN064155.D

Acq: 15 Oct 2020 19:55

Instrument :

MSVOA_N

ClientSampleId :

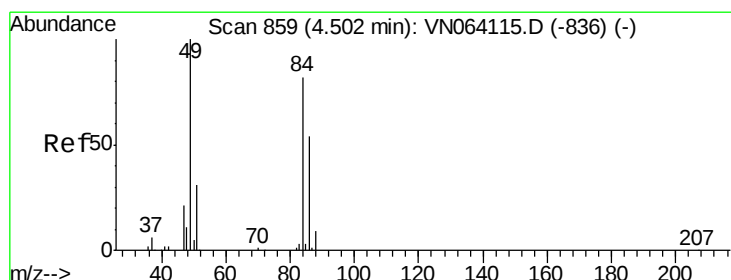
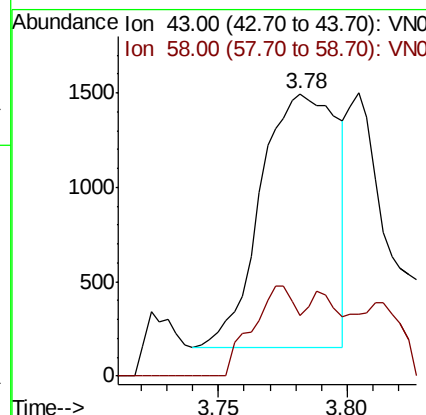
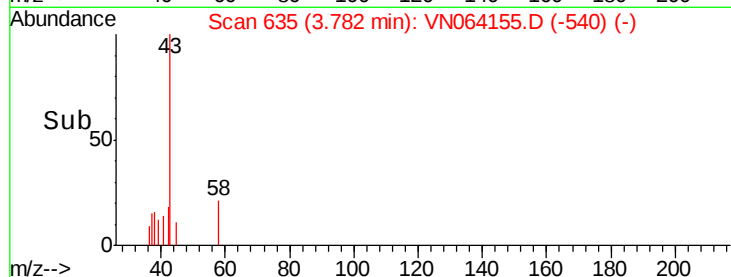
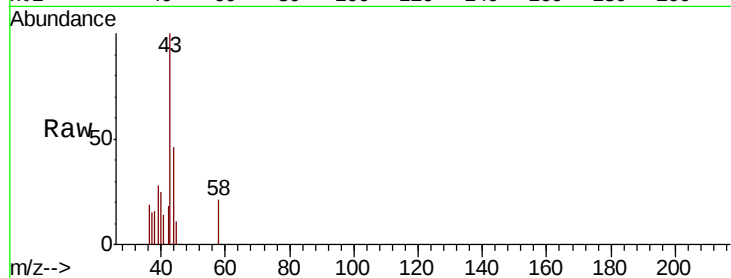
MW-11

Tot Ion: 43 Resp: 2781

Ion Ratio Lower Upper

43 100

58 23.8 25.2 37.8#



#20

Methylene Chloride

Concen: 0.466 ug/l

RT: 4.51 min Scan# 860

Delta R.T. 0.00 min

Lab File: VN064155.D

Acq: 15 Oct 2020 19:55

Tgt Ion: 84 Resp: 1610

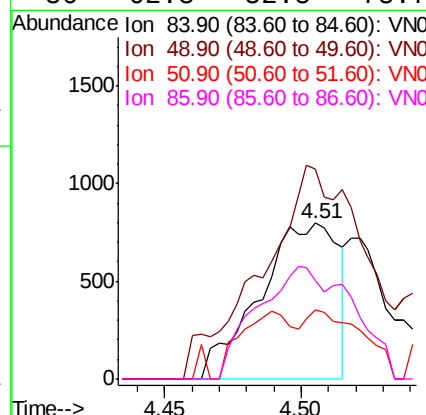
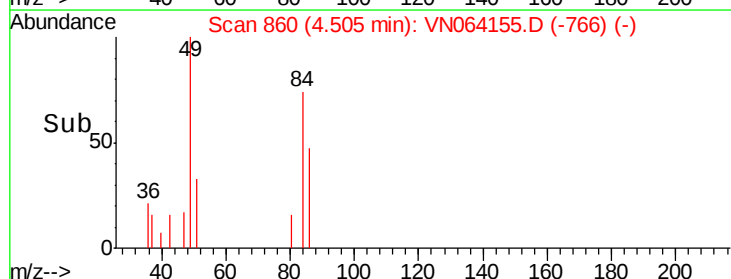
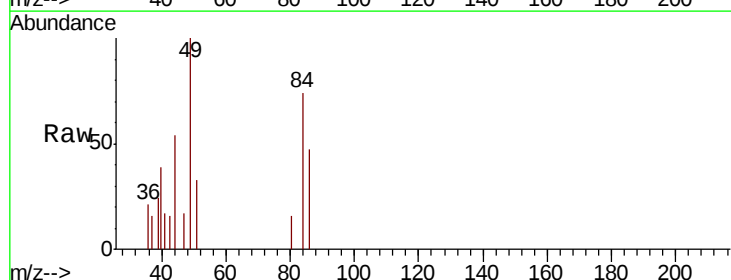
Ion Ratio Lower Upper

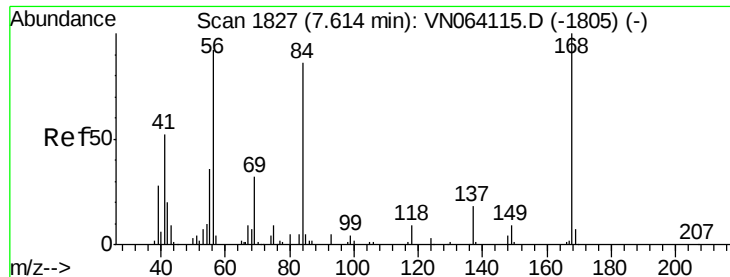
84 100

49 106.3 97.4 146.0

51 44.6 29.7 44.5#

86 62.8 52.5 78.7

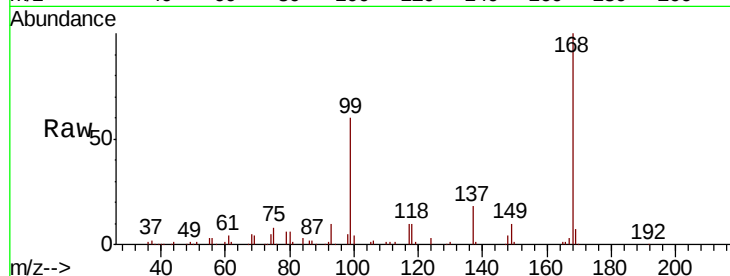




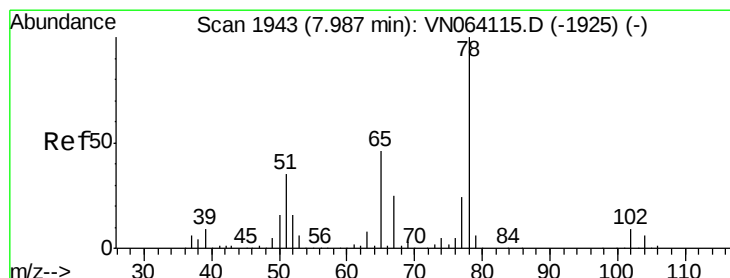
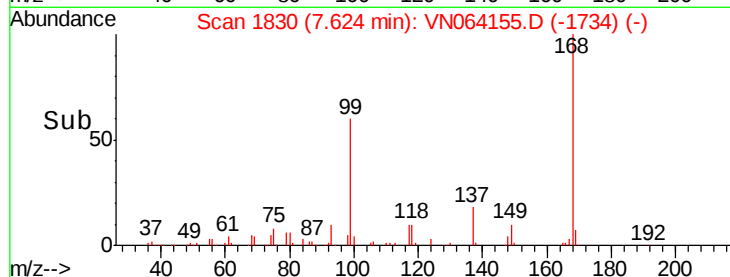
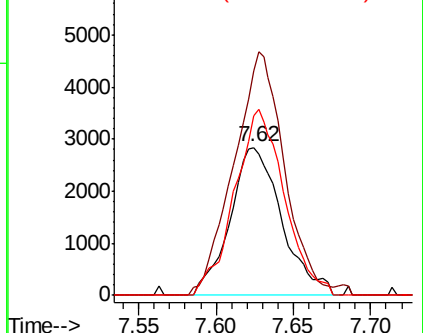
#31
Cyclohexane
Concen: 1.581 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN064155.D
Acq: 15 Oct 2020 19:55

Instrument :
MSVOA_N
ClientSampled :
MW-11

Tot Ion: 56 Resp: 6583
Ion Ratio Lower Upper
56 100
69 151.6 27.8 41.6#
84 121.2 73.2 109.8#

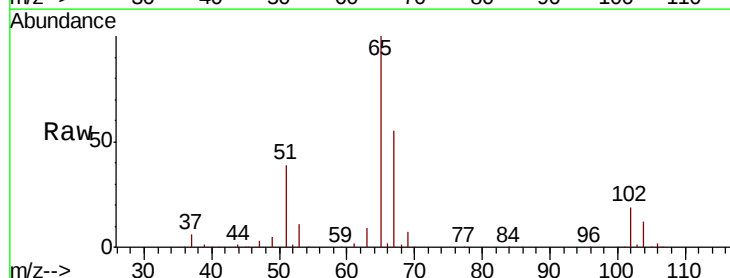


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

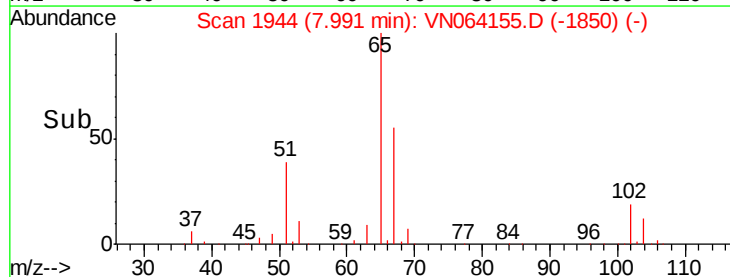
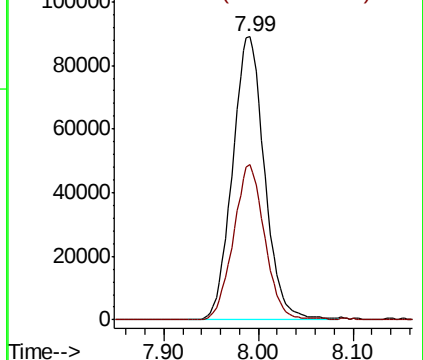


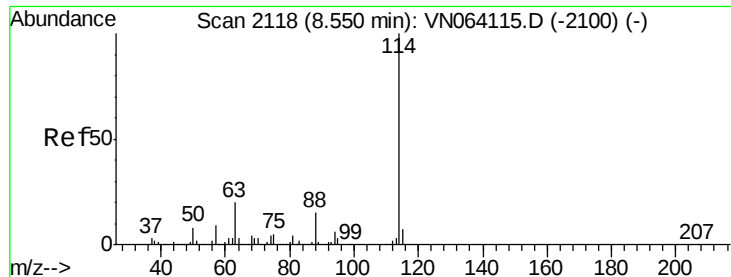
#33
1,2-Dichloroethane-d4
Concen: 55.624 ug/l
RT: 7.99 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN064155.D
Acq: 15 Oct 2020 19:55

Tgt Ion: 65 Resp: 209504
Ion Ratio Lower Upper
65 100
67 53.6 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

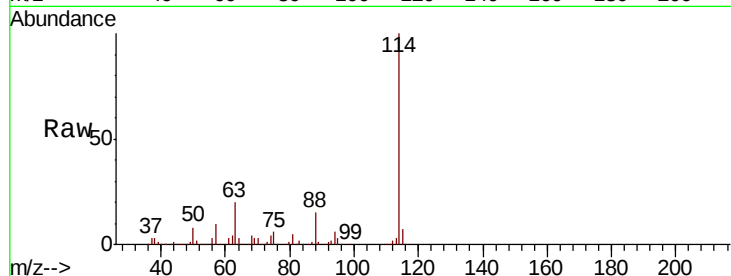




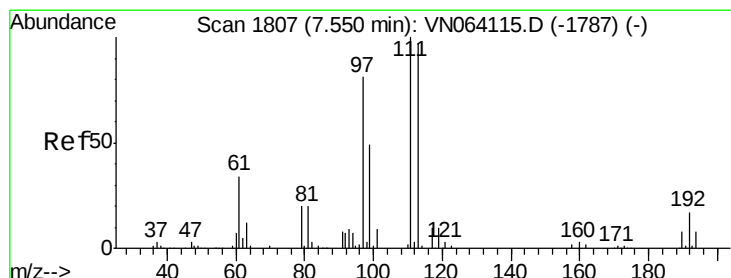
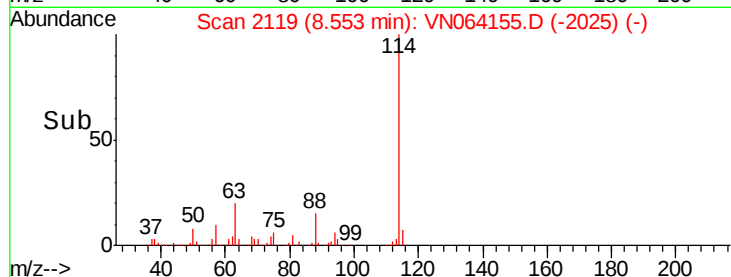
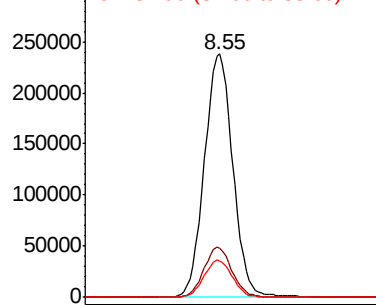
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN064155.D
 Acq: 15 Oct 2020 19:55

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-11

Tot Ion:114 Resp: 506438
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 41.0
 88 15.1 0.0 29.2

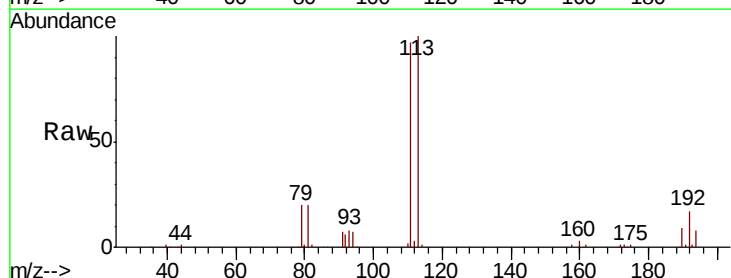


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

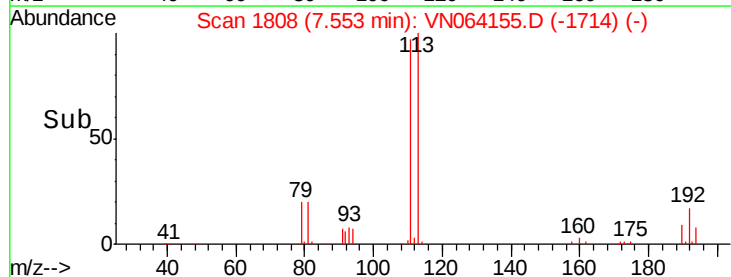
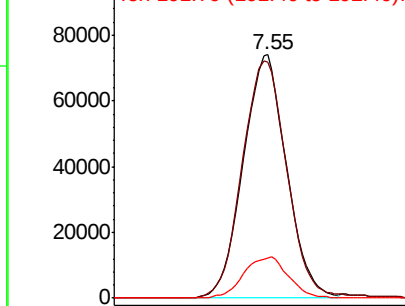


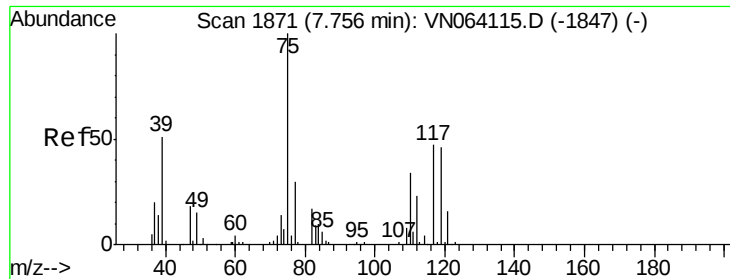
#35
 Dibromofluoromethane
 Concen: 51.712 ug/l
 RT: 7.55 min Scan# 1808
 Delta R.T. 0.00 min
 Lab File: VN064155.D
 Acq: 15 Oct 2020 19:55

Tgt Ion:113 Resp: 181266
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.9 122.9
 192 17.5 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: 4.453 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN064155.D

Acq: 15 Oct 2020 19:55

Instrument :

MSVOA_N

ClientSampleId :

MW-11

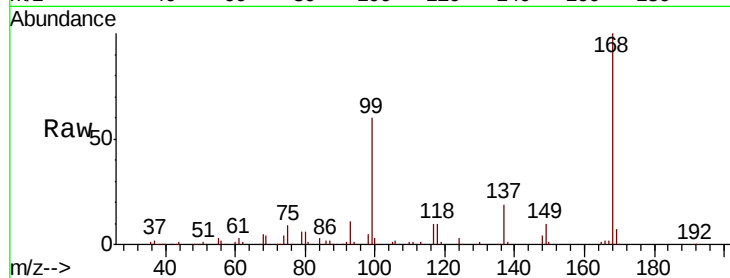
Tot Ion: 75 Resp: 21739

Ion Ratio Lower Upper

75 100

110 9.8 17.8 53.3#

77 0.0 24.9 37.3#

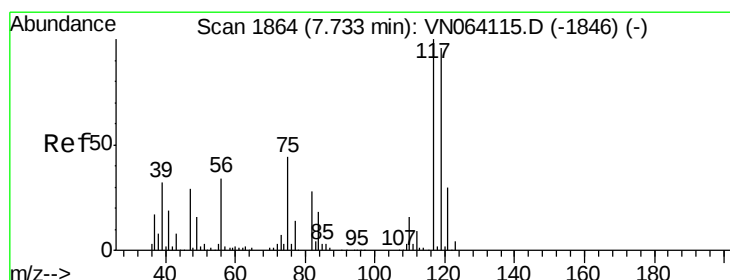
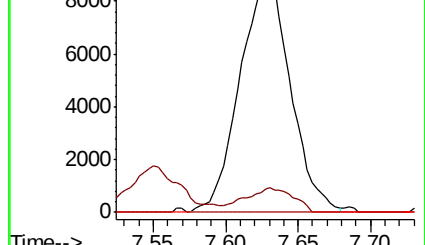
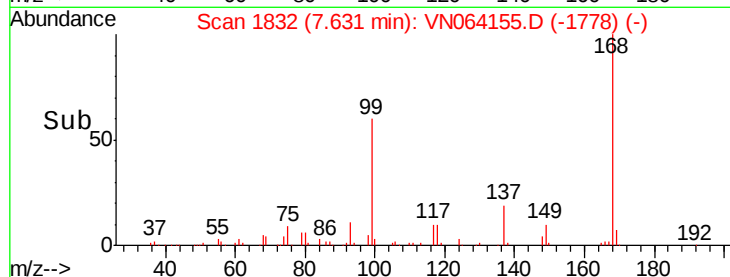


Abundance Ion 74.90 (74.60 to 75.60): VN064115.D (-1847) (-)

Ion 109.90 (109.60 to 110.60): VN064115.D (-1847) (-)

Ion 76.90 (76.60 to 77.60): VN064115.D (-1847) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.233 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN064155.D

Acq: 15 Oct 2020 19:55

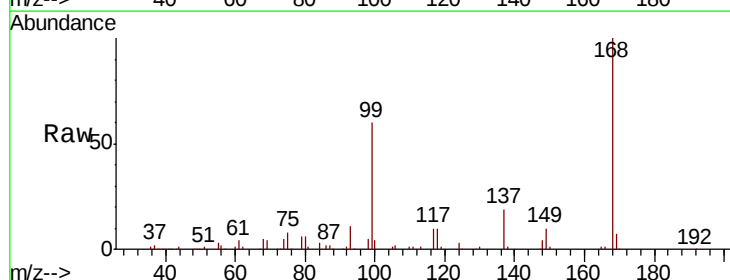
Tgt Ion: 117 Resp: 27469

Ion Ratio Lower Upper

117 100

119 5.3 77.0 115.4#

121 0.0 24.2 36.4#

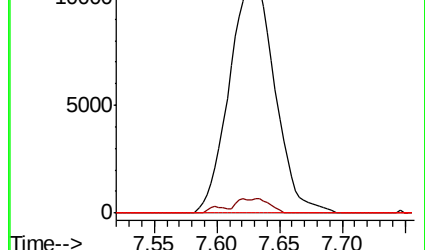
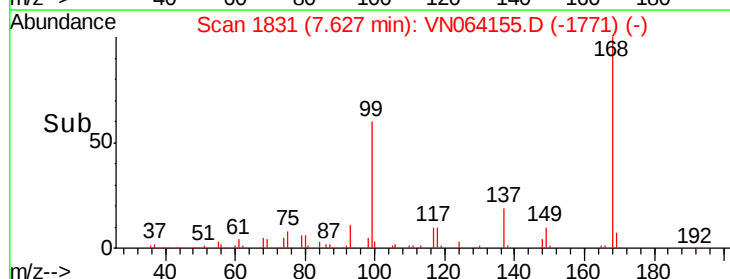


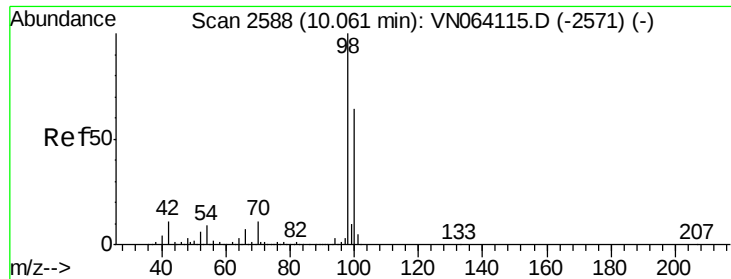
Abundance Ion 116.80 (116.50 to 117.50): VN064115.D (-1846) (-)

Ion 118.80 (118.50 to 119.50): VN064115.D (-1846) (-)

Ion 120.80 (120.50 to 121.50): VN064115.D (-1846) (-)

Time-->

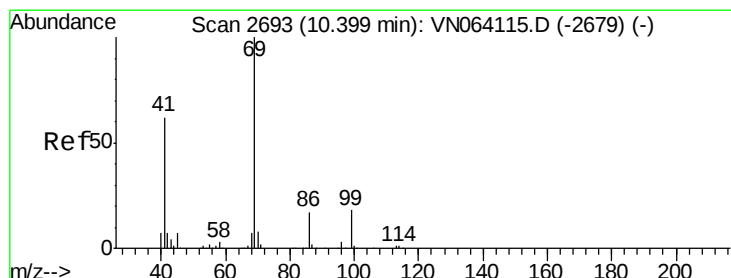
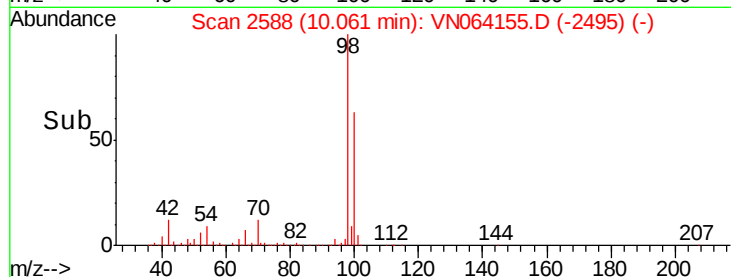
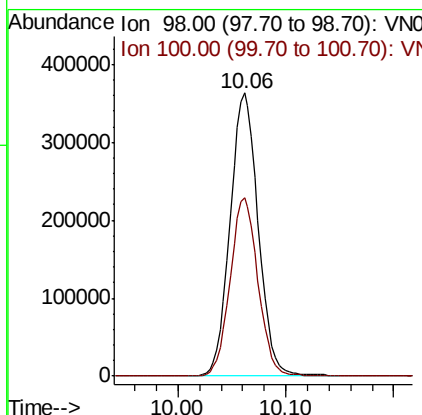
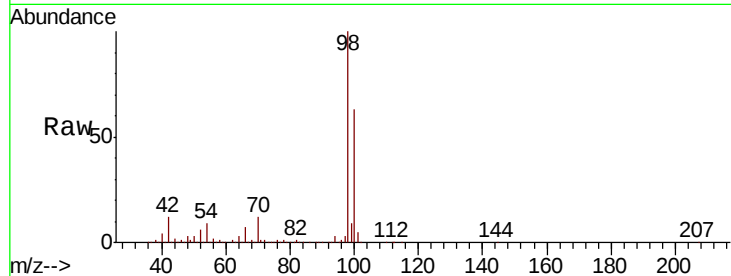




#50
Toluene-d8
Concen: 50.001 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064155.D
Acq: 15 Oct 2020 19:55

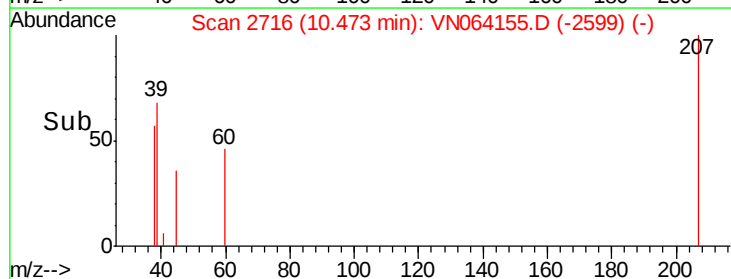
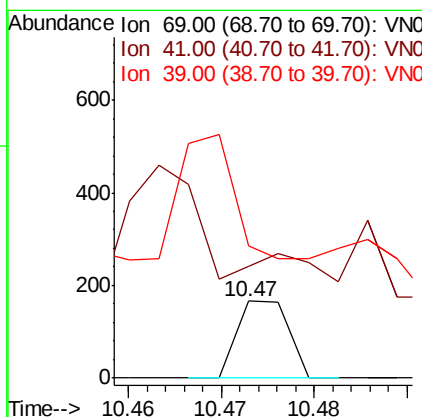
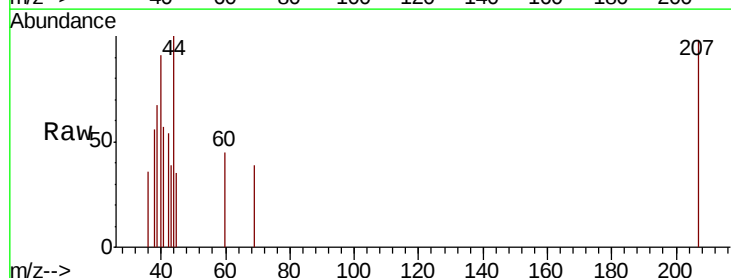
Instrument :
MSVOA_N
ClientSampled :
MW-11

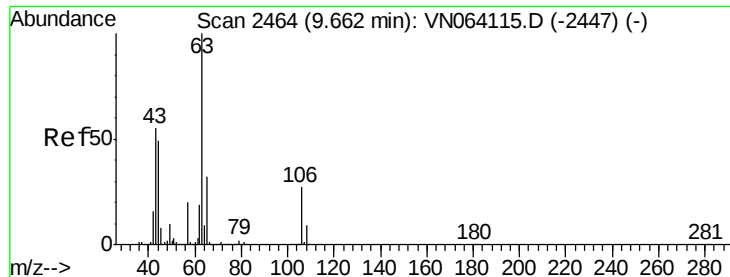
Tot Ion: 98 Resp: 661311
Ion Ratio Lower Upper
98 100
100 62.3 50.8 76.2



#56
Ethyl methacrylate
Concen: 2.310 ug/l
RT: 10.47 min Scan# 2716
Delta R.T. 0.07 min
Lab File: VN064155.D
Acq: 15 Oct 2020 19:55

Tgt Ion: 69 Resp: 64
Ion Ratio Lower Upper
69 100
41 264.1 49.3 73.9#
39 175.0 32.7 49.1#





#58

2-Chloroethyl Vinyl ether

Concen: 12.239 ug/l

RT: 9.72 min Scan# 2482

Delta R.T. 0.06 min

Lab File: VN064155.D

Acq: 15 Oct 2020 19:55

Instrument :

MSVOA_N

ClientSampled :

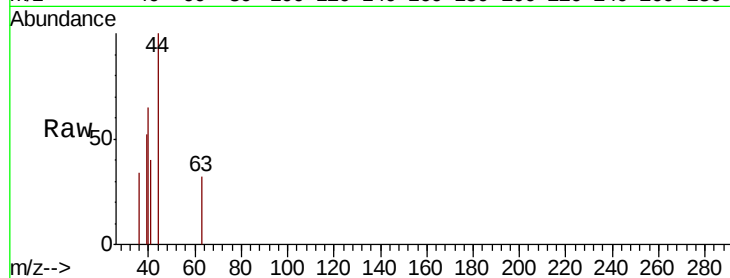
MW-11

Tot Ion: 63 Resp: 59

Ion Ratio Lower Upper

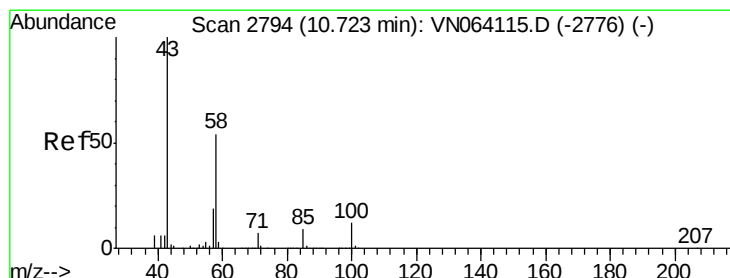
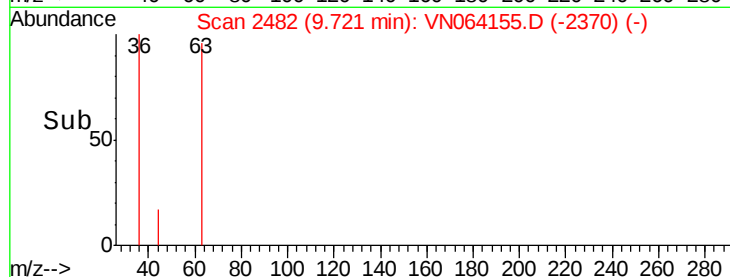
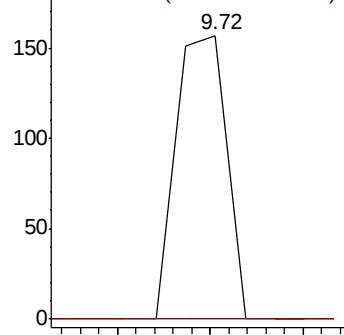
63 100

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: 6.860 ug/l

RT: 10.61 min Scan# 2758

Delta R.T. -0.12 min

Lab File: VN064155.D

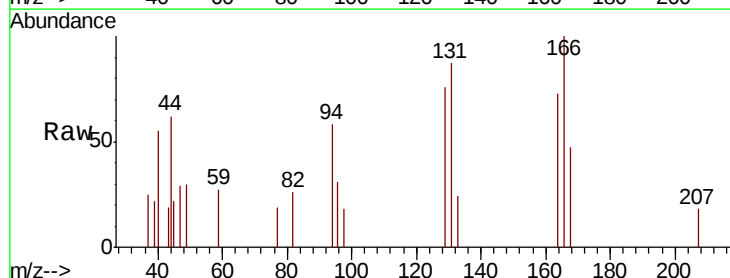
Acq: 15 Oct 2020 19:55

Tgt Ion: 43 Resp: 76

Ion Ratio Lower Upper

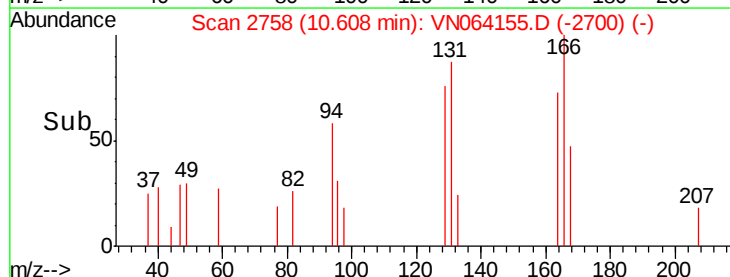
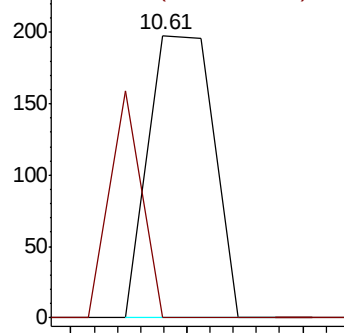
43 100

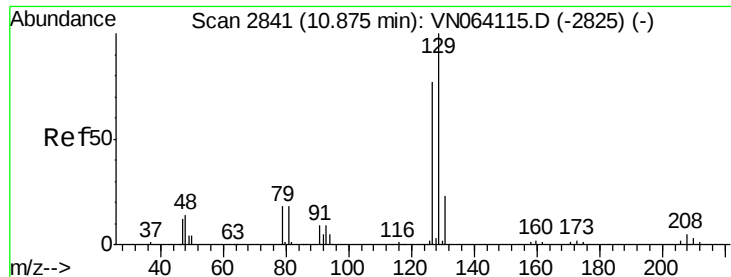
58 40.8 27.2 81.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#60

Dibromochloromethane

Concen: 0.305 ug/l

RT: 10.61 min Scan# 2759

Delta R.T. -0.26 min

Lab File: VN064155.D

Acq: 15 Oct 2020 19:55

Instrument :

MSVOA_N

ClientSampled :

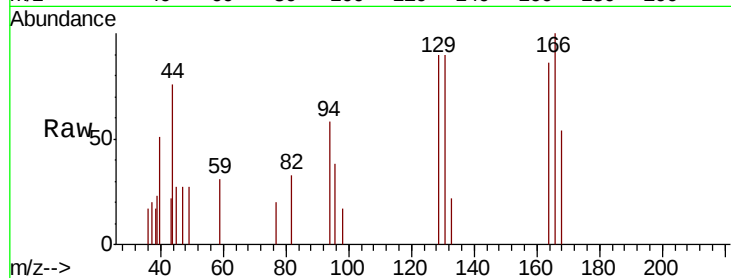
MW-11

Tot Ion:129 Resp: 1288

Ion Ratio Lower Upper

129 100

127 0.0 38.2 114.6#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.61

800

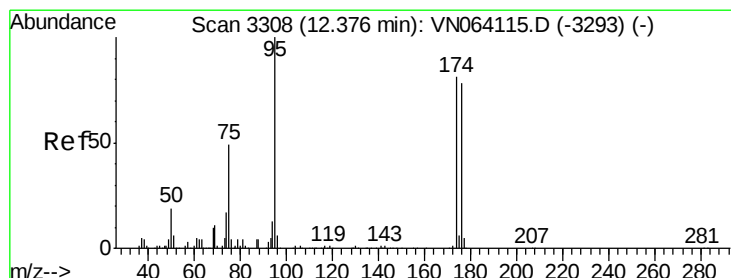
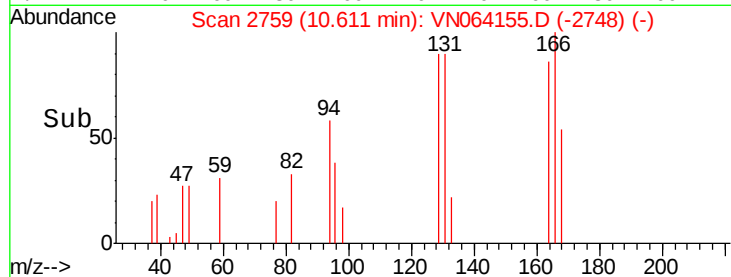
600

400

200

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.198 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. 0.00 min

Lab File: VN064155.D

Acq: 15 Oct 2020 19:55

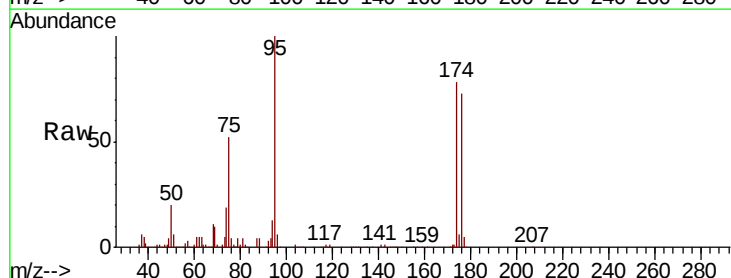
Tgt Ion: 95 Resp: 228208

Ion Ratio Lower Upper

95 100

174 78.8 0.0 164.8

176 73.9 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

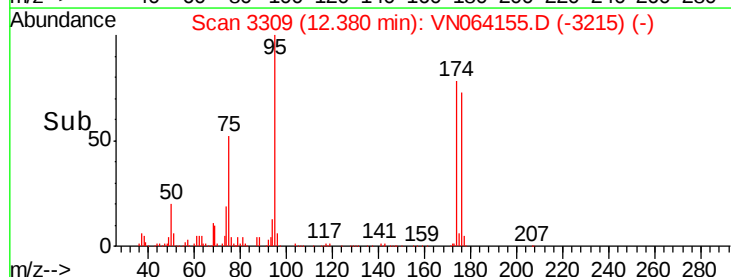
150000

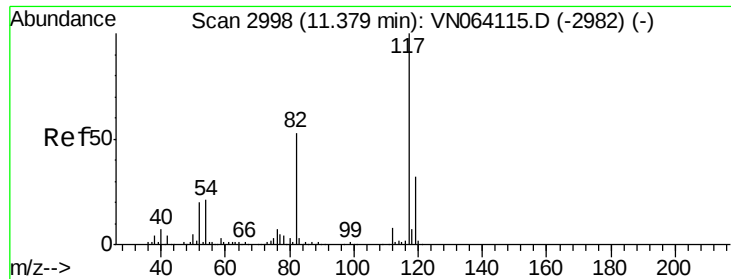
100000

50000

0

Time-->

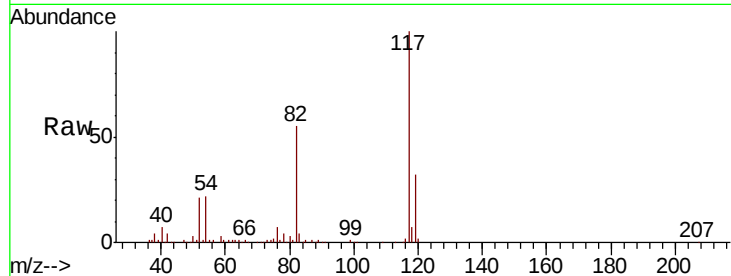




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064155.D
Acq: 15 Oct 2020 19:55

Instrument :
MSVOA_N
ClientSampled :
MW-11

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	42.6	63.8
119	32.3	25.5	38.3

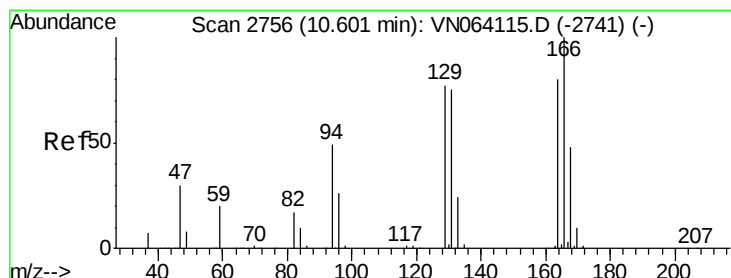
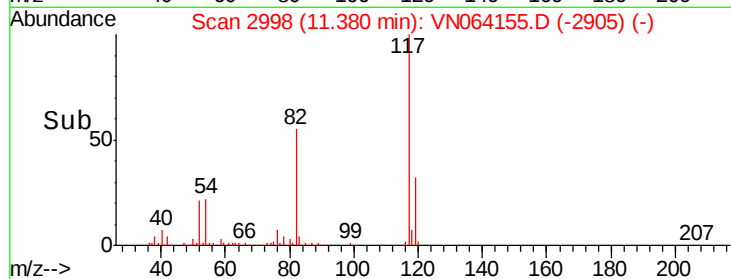
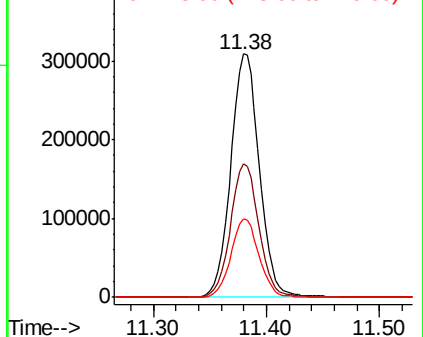


Abundance

Ion 116.90 (116.60 to 117.60): V

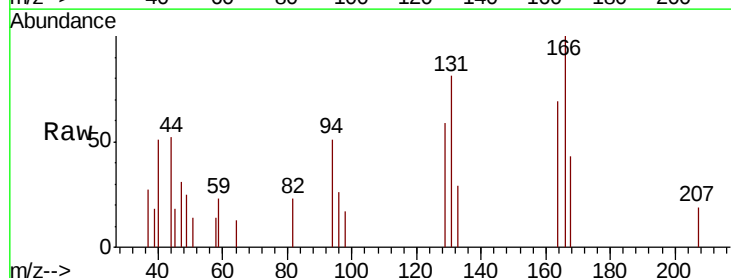
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 0.349 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN064155.D
Acq: 15 Oct 2020 19:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	144.6	99.7	149.5
129	85.5	77.0	115.4
131	116.4	74.6	111.8#



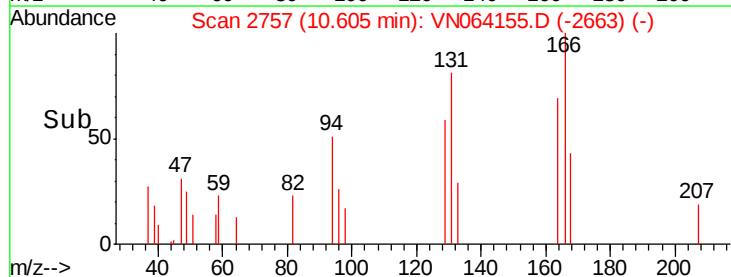
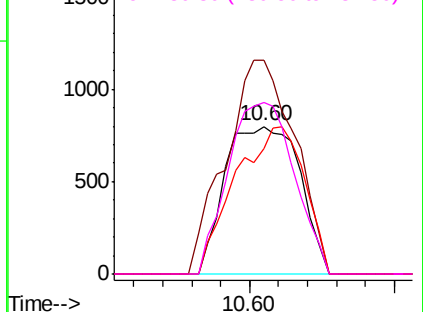
Abundance

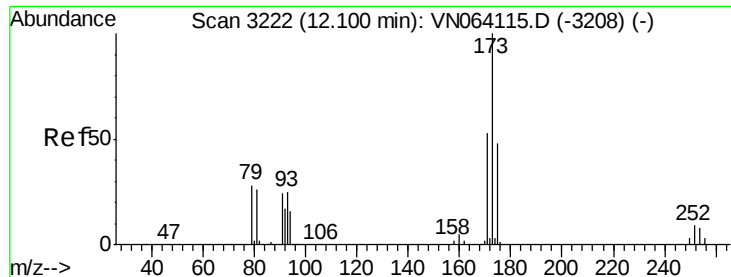
Ion 163.80 (163.50 to 164.50): V

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





#71

Bromoform

Concen: 2.524 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.27 min

Lab File: VN064155.D

Acq: 15 Oct 2020 19:55

Instrument :

MSVOA_N

ClientSampled :

MW-11

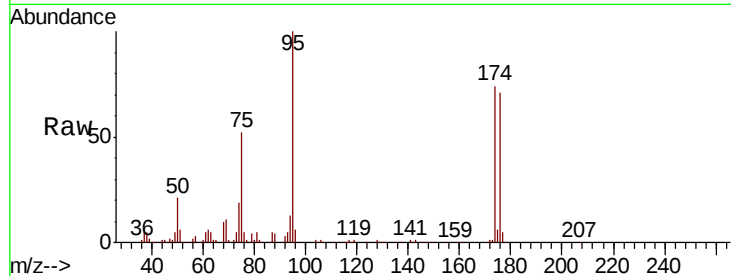
Tot Ion:173 Resp: 1102

Ion Ratio Lower Upper

173 100

175 968.7 23.4 70.2#

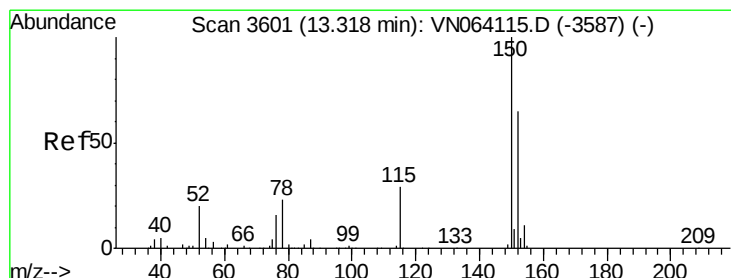
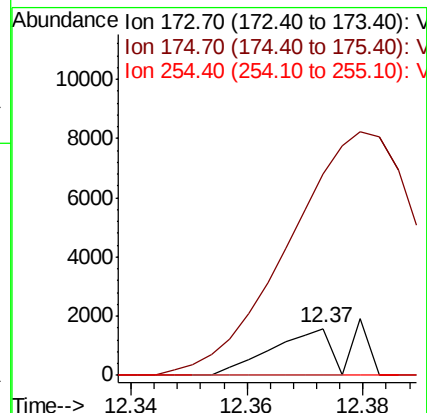
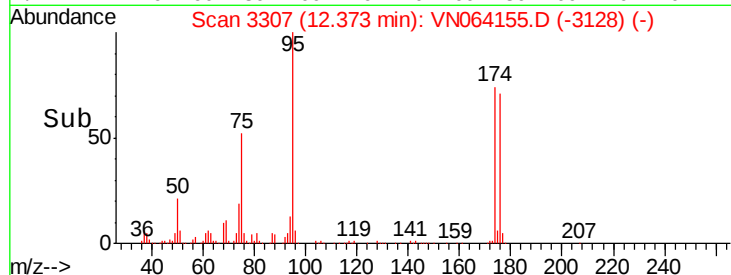
254 0.0 0.1 0.1#



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: VN064155.D

Acq: 15 Oct 2020 19:55

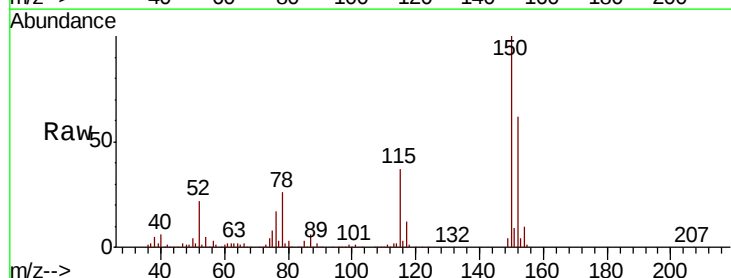
Tgt Ion:152 Resp: 194637

Ion Ratio Lower Upper

152 100

115 59.6 29.3 87.8

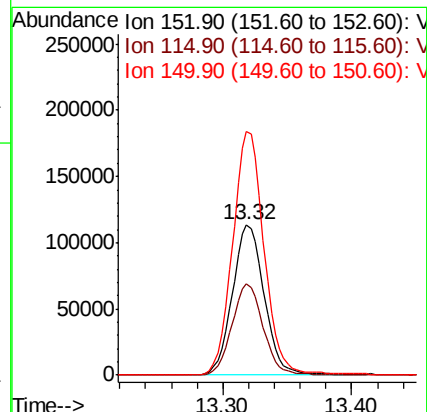
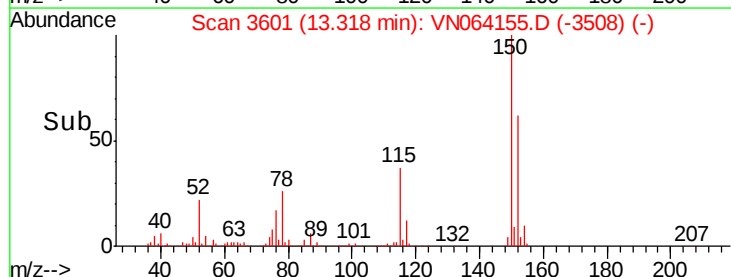
150 160.3 0.0 346.0

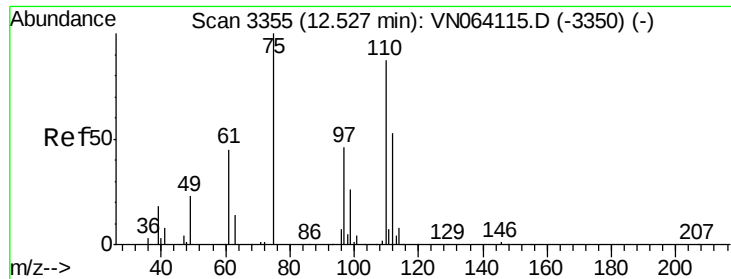


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.249 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064155.D

Acq: 15 Oct 2020 19:55

Instrument :

MSVOA_N

ClientSampled :

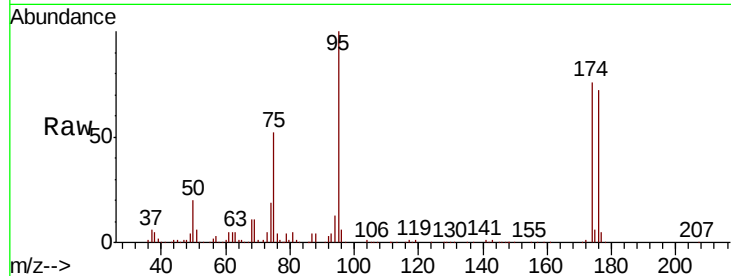
MW-11

Tot Ion: 75 Resp: 119861

Ion Ratio Lower Upper

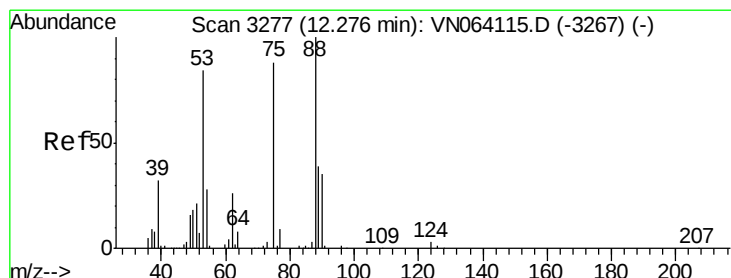
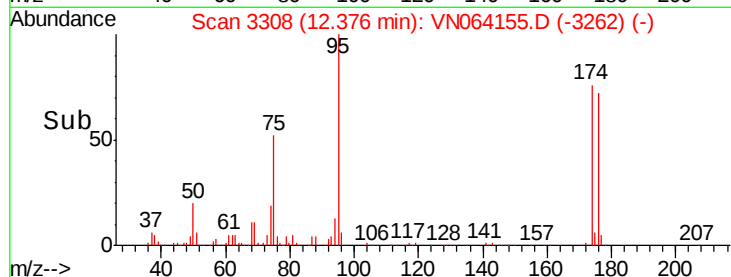
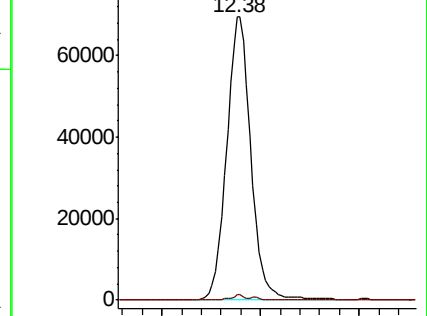
75 100

77 1.0 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: 80.195 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064155.D

Acq: 15 Oct 2020 19:55

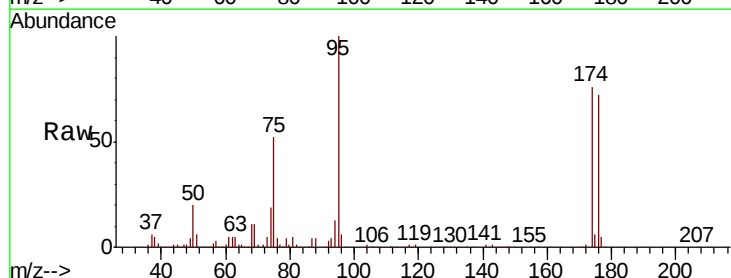
Tgt Ion: 75 Resp: 119861

Ion Ratio Lower Upper

75 100

53 0.2 75.7 113.5#

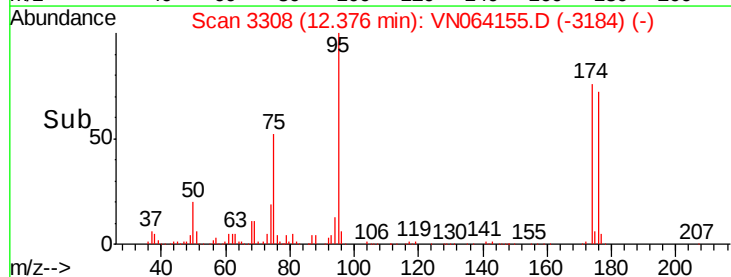
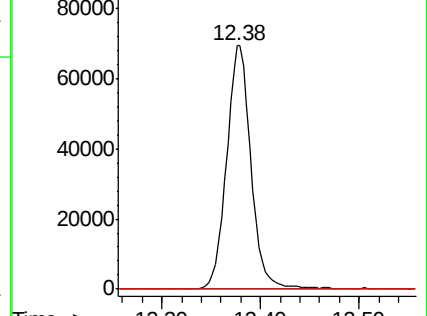
89 0.0 36.6 55.0#

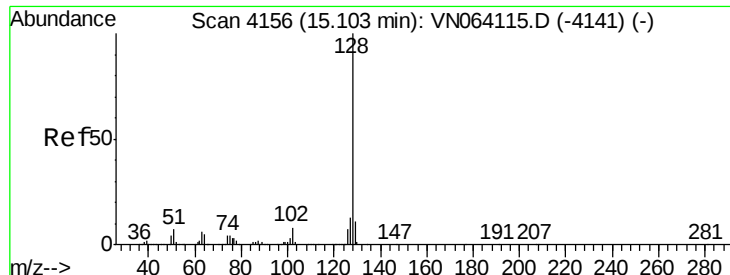


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

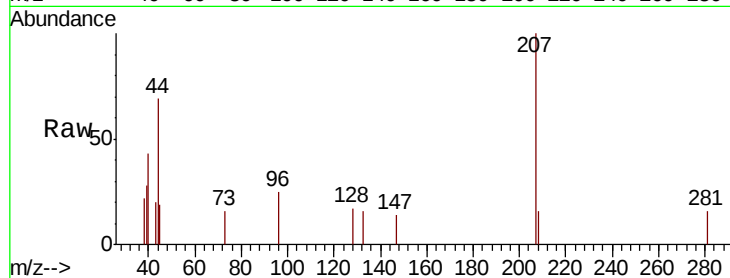




#95
Naphthalene
Concen: 3.804 ug/l
RT: 15.13 min Scan# 4163
Delta R.T. 0.02 min
Lab File: VN064155.D
Acq: 15 Oct 2020 19:55

Instrument :
MSVOA_N
ClientSampleId :
MW-11

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

