

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112420\
 Data File : VN064812.D
 Acq On : 24 Nov 2020 15:51
 Operator : JC/MD
 Sample : L4829-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-11

Quant Time: Nov 25 04:04:27 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	171269	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	309808	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	314923	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	147934	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	104853	52.66	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	105.32%
35) Dibromofluoromethane	7.55	113	95322	51.42	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	102.84%
50) Toluene-d8	10.06	98	380652	50.25	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.50%
62) 4-Bromofluorobenzene	12.37	95	150778	55.62	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	111.24%

Target Compounds

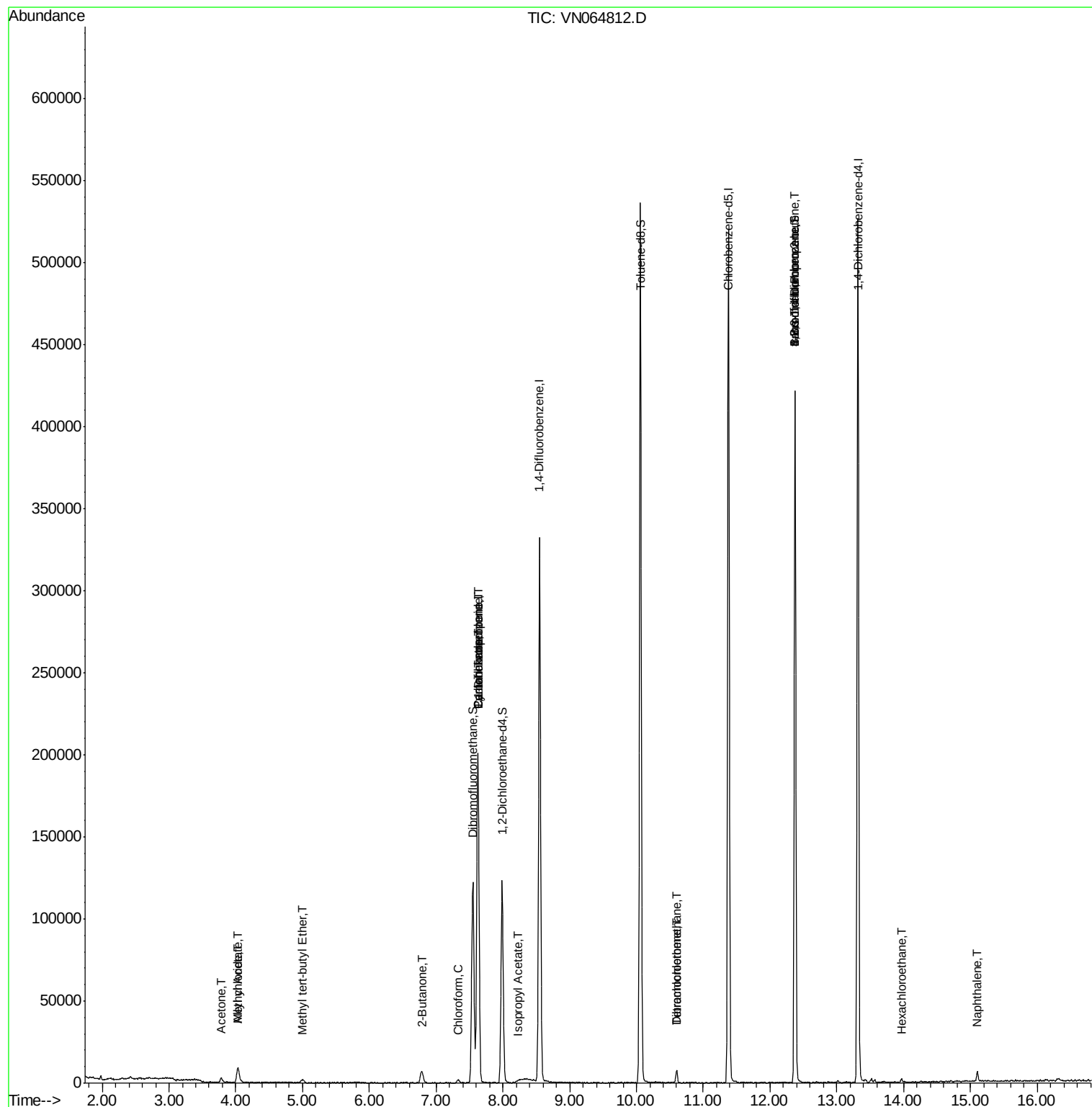
					Qvalue	
14) Allyl chloride	4.03	41	1226	0.448	ug/l #	35
16) Acetone	3.78	43	4755	7.265	ug/l	90
18) Methyl Acetate	4.03	43	3310	1.682	ug/l #	50
19) Methyl tert-butyl Ether	5.00	73	2420	0.454	ug/l #	87
25) 2-Butanone	6.78	43	481	0.453	ug/l #	49
30) Chloroform	7.32	83	2309	0.683	ug/l	97
31) Cyclohexane	7.62	56	3405	1.227	ug/l #	13
36) 1,1-Dichloropropene	7.62	75	12228	4.258	ug/l #	45
38) Carbon Tetrachloride	7.63	117	16437	5.501	ug/l #	15
43) Isopropyl Acetate	8.22	43	1092	0.245	ug/l #	59
60) Dibromochloromethane	10.60	129	1787	0.721	ug/l #	10
64) Tetrachloroethene	10.60	164	2078	0.678	ug/l #	75
71) Bromoform	12.37	173	757	0.381	ug/l #	1
76) 1,2,3-Trichloropropane	12.37	75	72950	22.898	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	72950	62.758	ug/l #	15
90) Hexachloroethane	13.97	117	1576	1.047	ug/l #	9
95) Naphthalene	15.11	128	6603	0.736	ug/l #	92

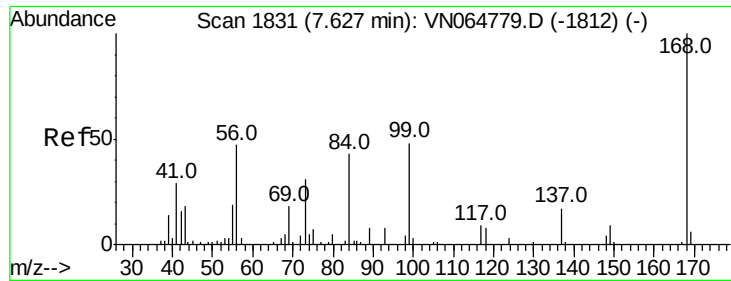
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN112420\
Data File : VN064812.D
Acq On : 24 Nov 2020 15:51
Operator : JC/MD
Sample : L4829-10
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-11

Quant Time: Nov 25 04:04:27 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
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: VN064812.D

Acq: 24 Nov 2020 15:51

Instrument :

MSVOA_N

ClientSampled :

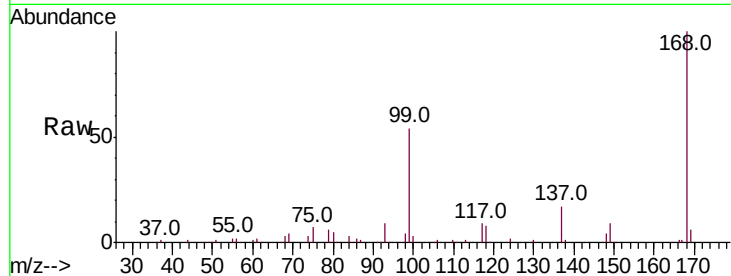
MW-11

Tot Ion:168 Resp: 171269

Ion Ratio Lower Upper

168 100

99 54.0 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

80000

60000

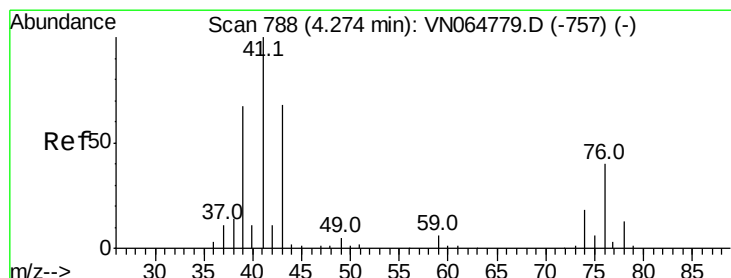
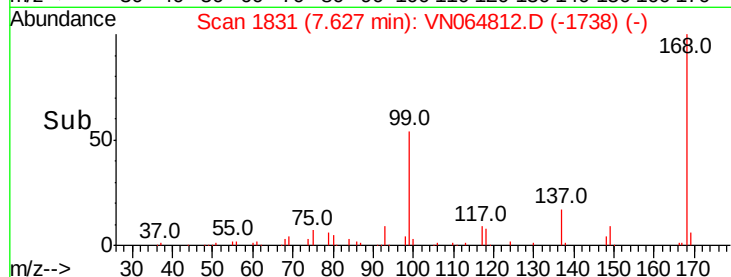
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#14

Allyl chloride

Concen: 0.448 ug/l

RT: 4.03 min Scan# 713

Delta R.T. -0.24 min

Lab File: VN064812.D

Acq: 24 Nov 2020 15:51

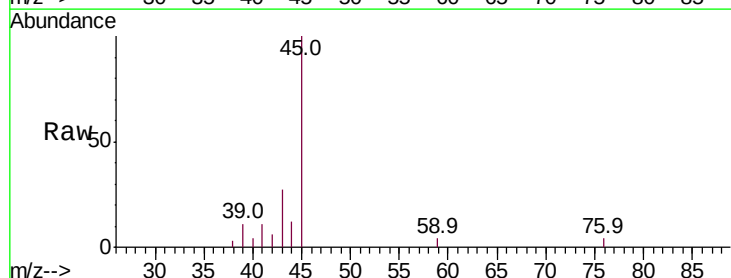
Tgt Ion: 41 Resp: 1226

Ion Ratio Lower Upper

41 100

39 116.0 50.9 76.3#

76 0.0 29.0 43.4#



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO

800

600

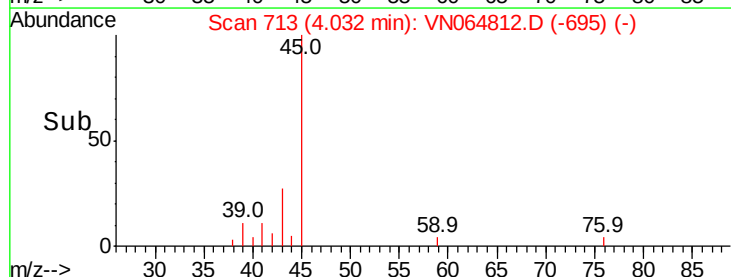
400

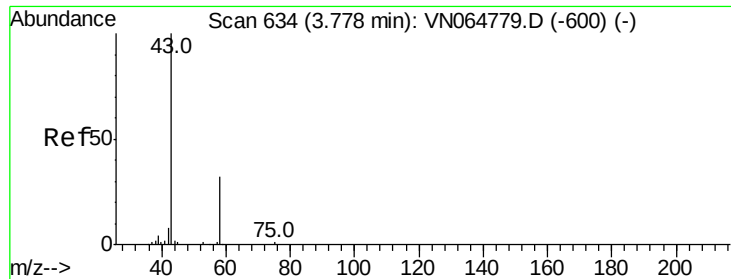
200

0

4.00 4.05

Time-->

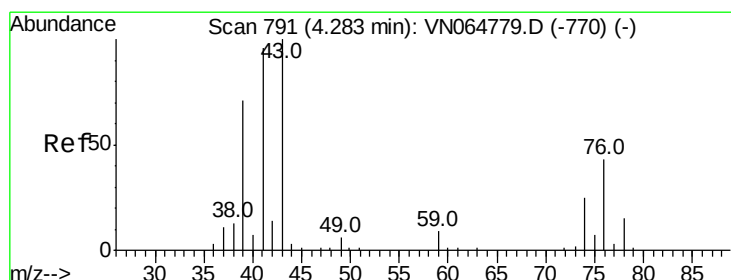
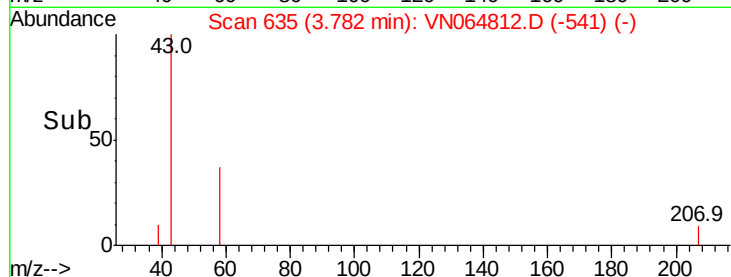
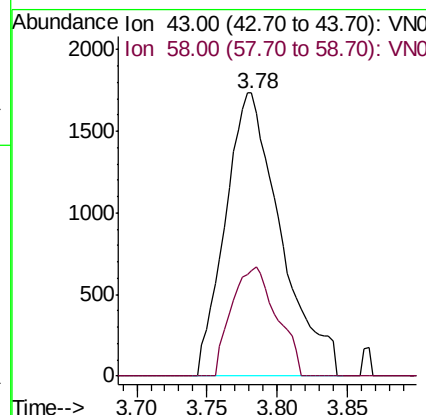
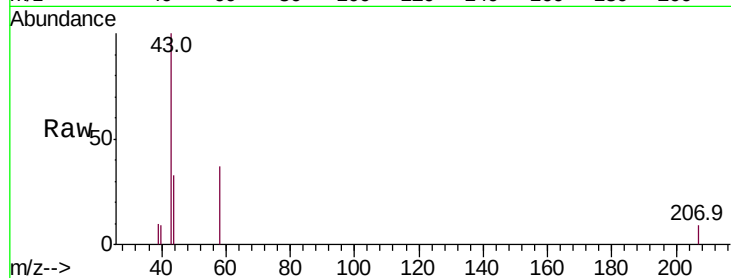




#16
Acetone
Concen: 7.265 ug/l
RT: 3.78 min Scan# 635
Delta R.T. 0.00 min
Lab File: VN064812.D
Acq: 24 Nov 2020 15:51

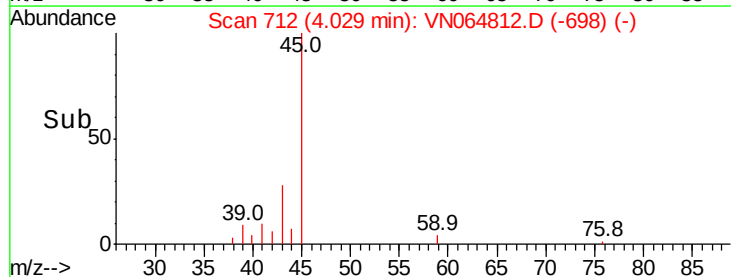
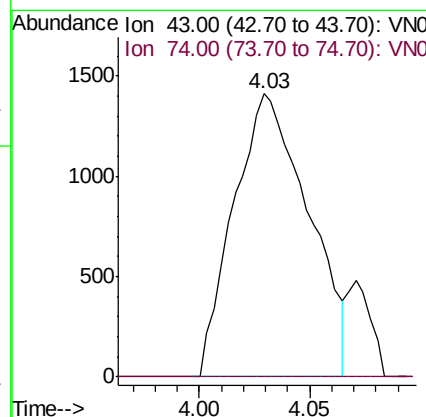
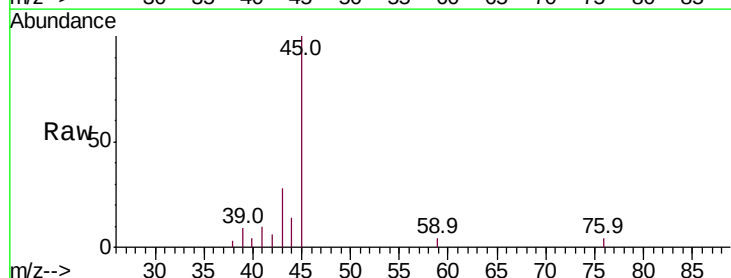
Instrument :
MSVOA_N
ClientSampled :
MW-11

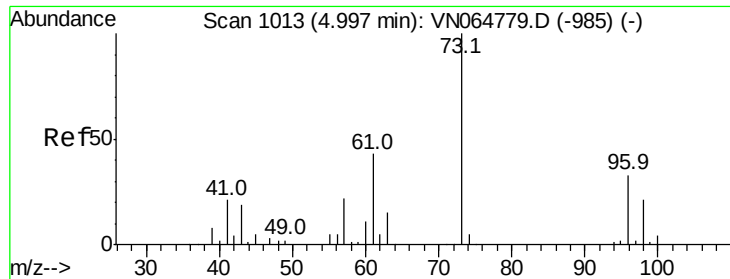
Tot Ion: 43 Resp: 4755
Ion Ratio Lower Upper
43 100
58 37.4 25.7 38.5



#18
Methyl Acetate
Concen: 1.682 ug/l
RT: 4.03 min Scan# 712
Delta R.T. -0.25 min
Lab File: VN064812.D
Acq: 24 Nov 2020 15:51

Tgt Ion: 43 Resp: 3310
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#

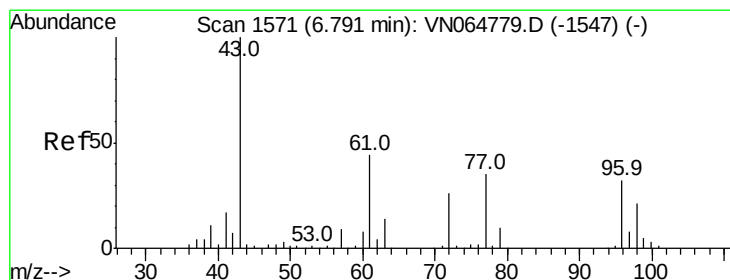
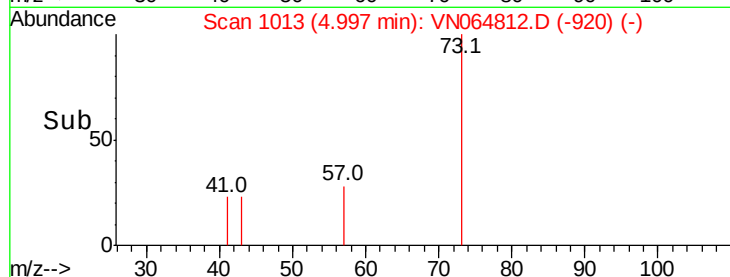
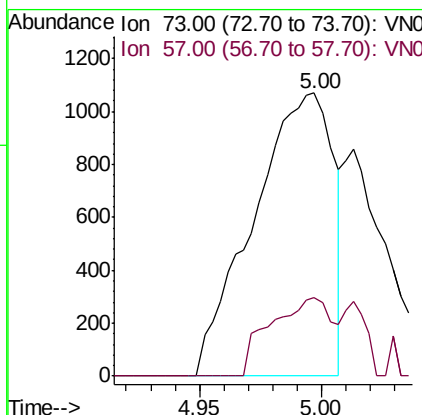
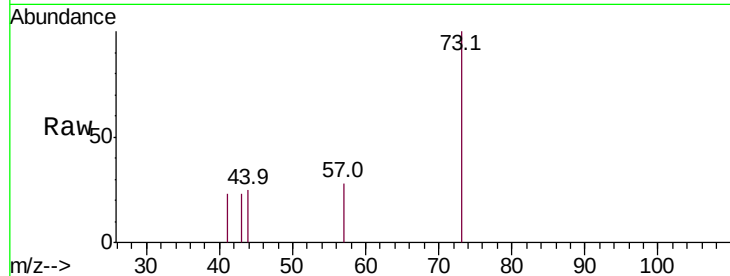




#19
Methvl tert-butvl Ether
Concen: 0.454 ug/l
RT: 5.00 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN064812.D
Acq: 24 Nov 2020 15:51

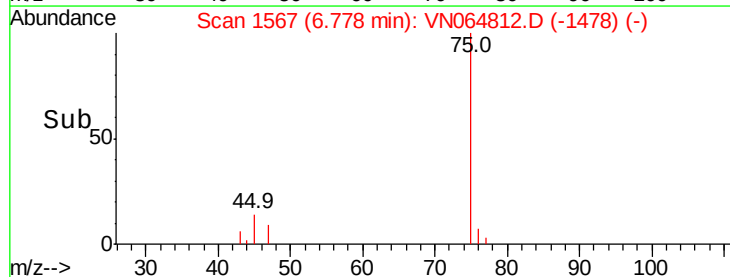
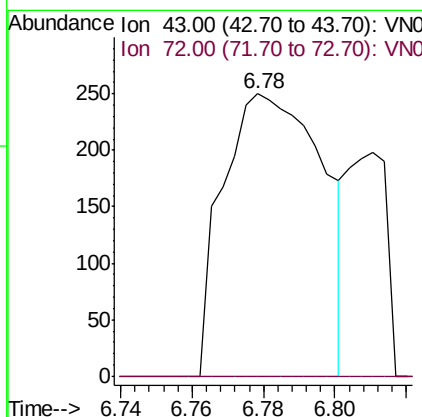
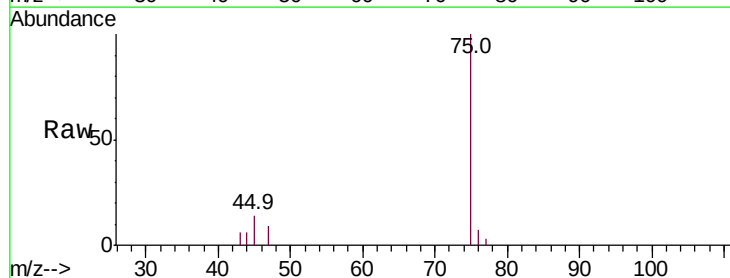
Instrument :
MSVOA_N
ClientSampled :
MW-11

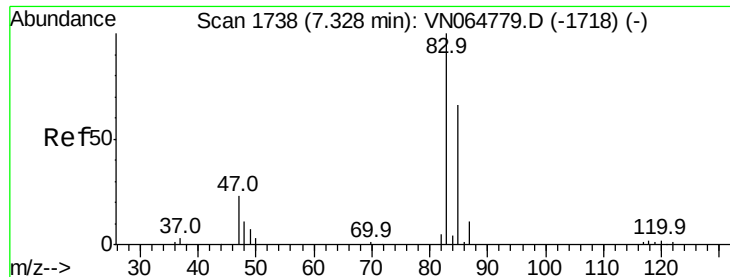
Tot Ion: 73 Resp: 2420
Ion Ratio Lower Upper
73 100
57 27.9 17.4 26.0#



#25
2-Butanone
Concen: 0.453 ug/l
RT: 6.78 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VN064812.D
Acq: 24 Nov 2020 15:51

Tgt Ion: 43 Resp: 481
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#





#30

Chloroform

Concen: 0.683 ug/l

RT: 7.32 min Scan# 1736

Delta R.T. -0.01 min

Lab File: VN064812.D

Acq: 24 Nov 2020 15:51

Instrument :

MSVOA_N

ClientSampled :

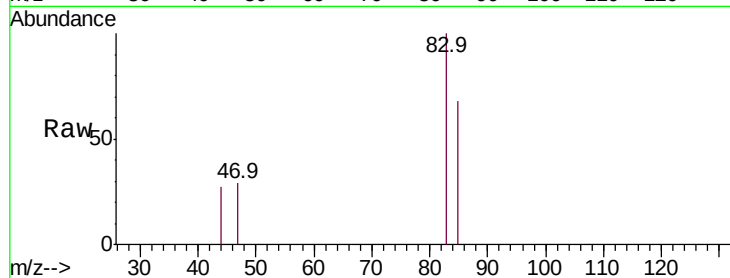
MW-11

Tot Ion: 83 Resp: 2309

Ion Ratio Lower Upper

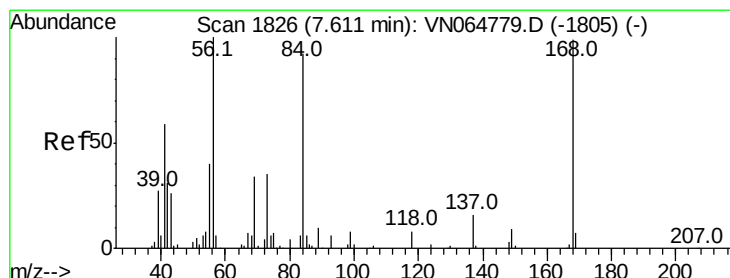
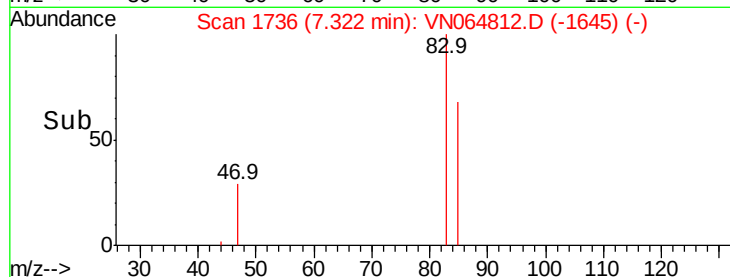
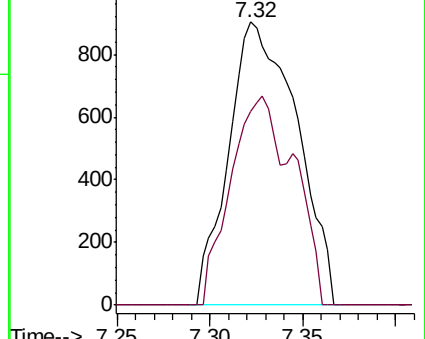
83 100

85 68.3 52.6 78.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0



#31

Cyclohexane

Concen: 1.227 ug/l

RT: 7.62 min Scan# 1828

Delta R.T. 0.01 min

Lab File: VN064812.D

Acq: 24 Nov 2020 15:51

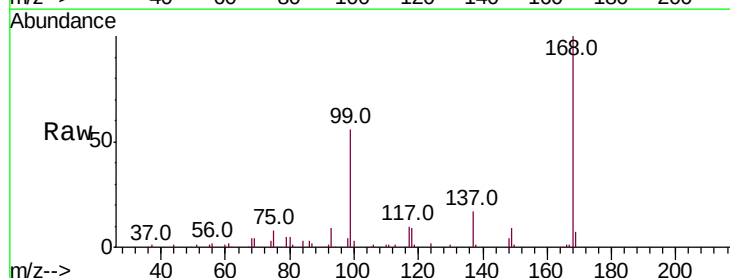
Tgt Ion: 56 Resp: 3405

Ion Ratio Lower Upper

56 100

69 150.0 27.5 41.3#

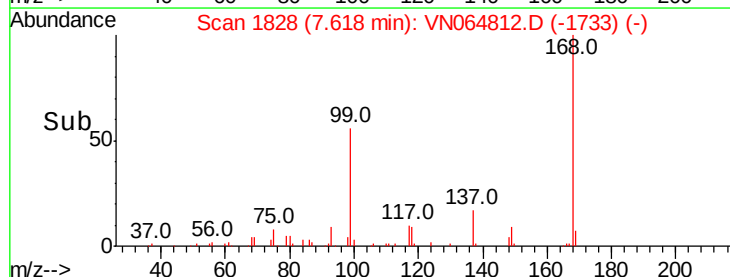
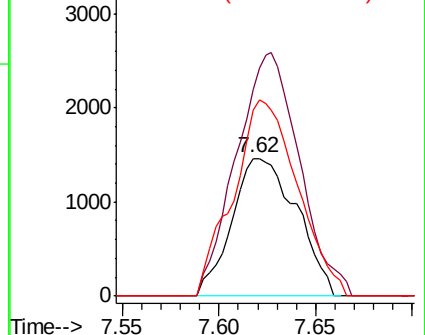
84 134.8 73.9 110.9#

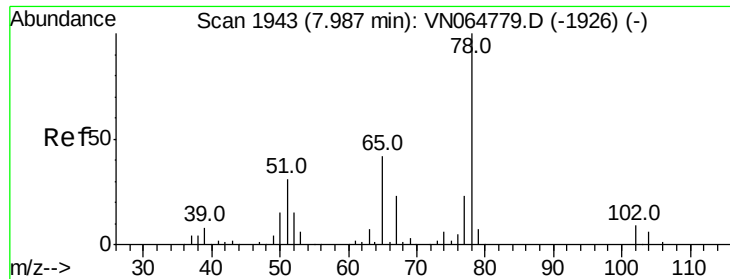


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

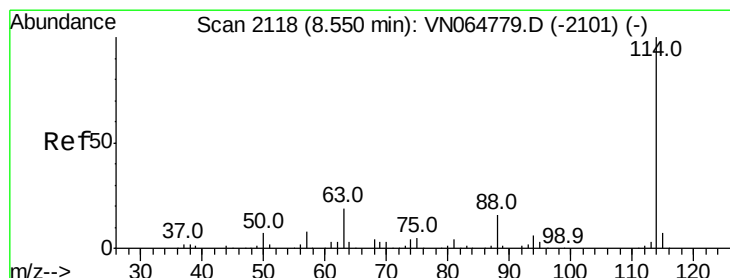
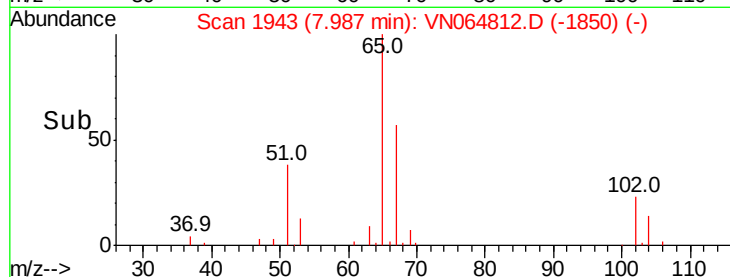
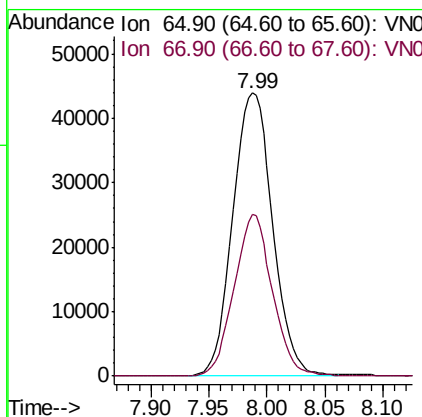
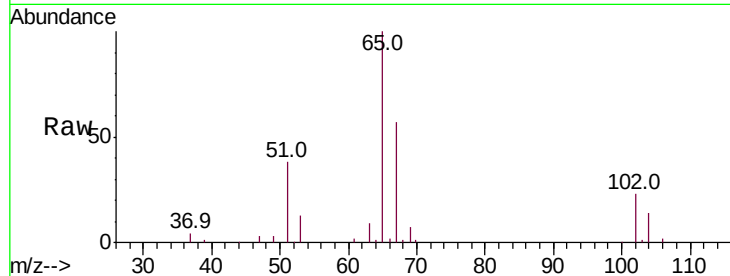




#33
 1,2-Dichloroethane-d4
 Concen: 52.660 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064812.D
 Acq: 24 Nov 2020 15:51

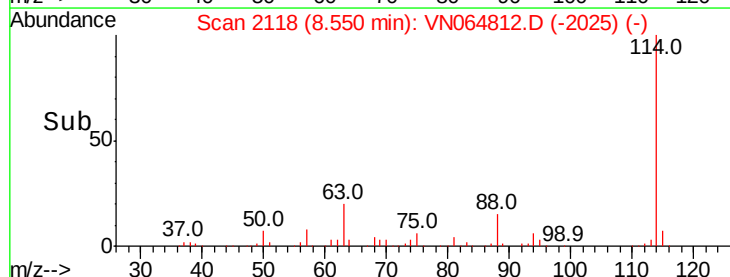
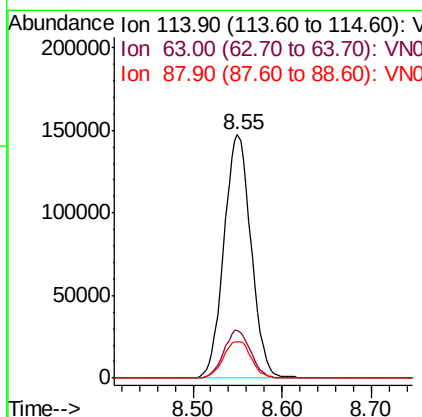
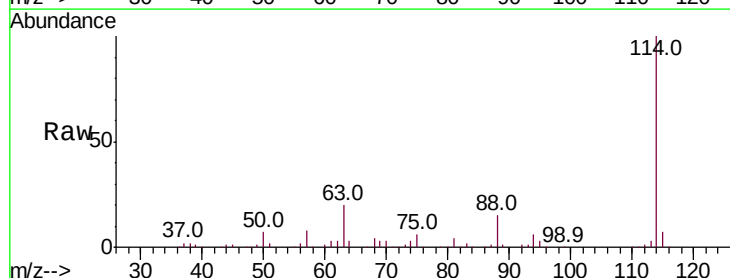
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-11

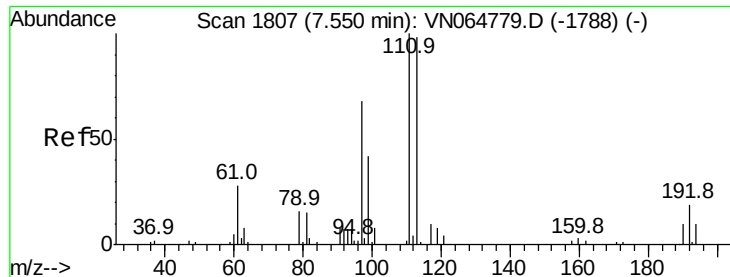
Tot Ion: 65 Resp: 104853
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064812.D
 Acq: 24 Nov 2020 15:51

Tgt Ion: 114 Resp: 309808
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 38.6
 88 15.1 0.0 32.6

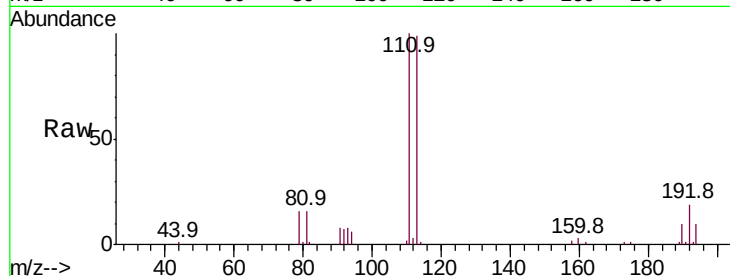




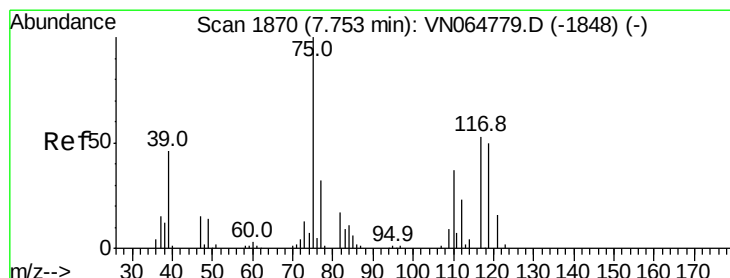
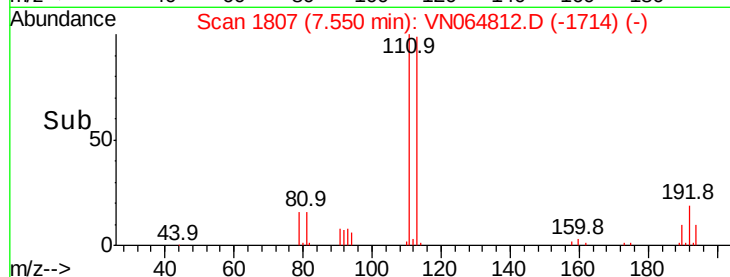
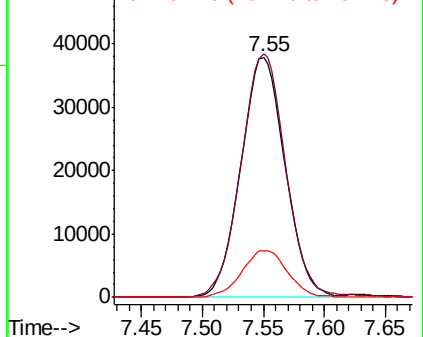
#35
 Dibromofluoromethane
 Concen: 51.420 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064812.D
 Acq: 24 Nov 2020 15:51

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-11

Tot Ion:113 Resp: 95322
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.6 122.4
 192 20.0 16.2 24.2

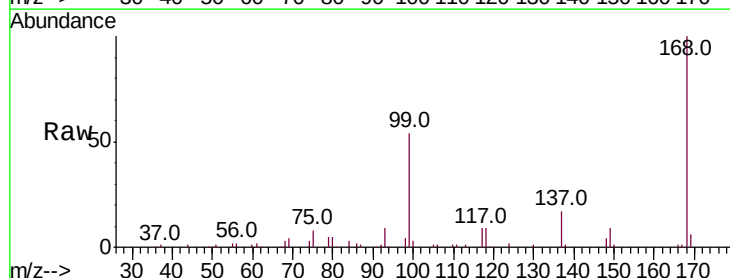


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

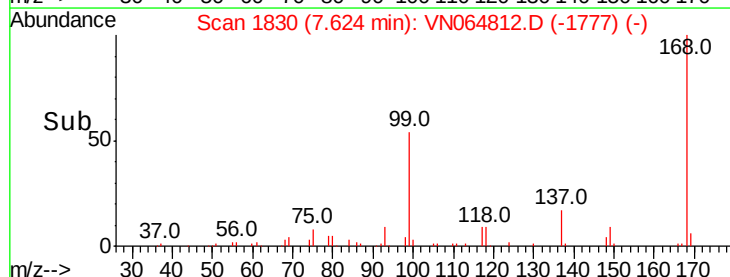
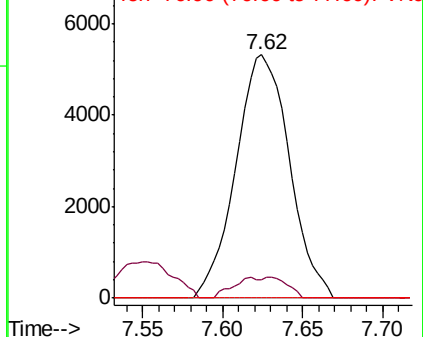


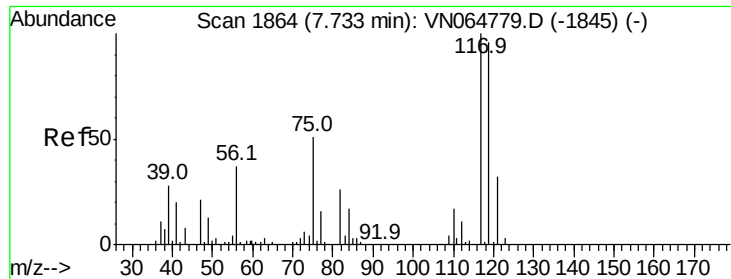
#36
 1,1-Dichloropropene
 Concen: 4.258 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064812.D
 Acq: 24 Nov 2020 15:51

Tgt Ion: 75 Resp: 12228
 Ion Ratio Lower Upper
 75 100
 110 3.8 17.8 53.3#
 77 0.0 25.0 37.4#



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

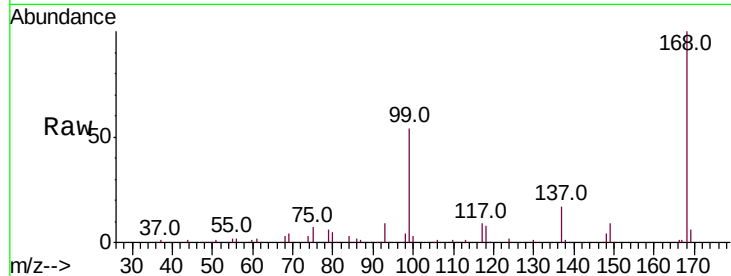




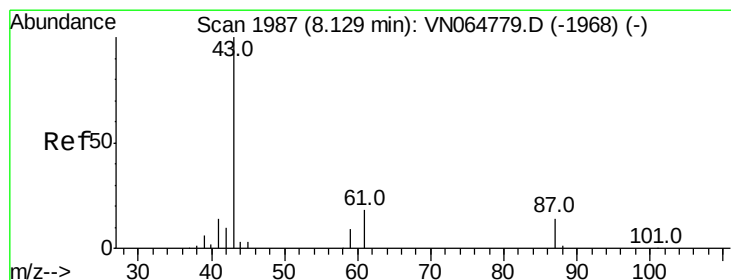
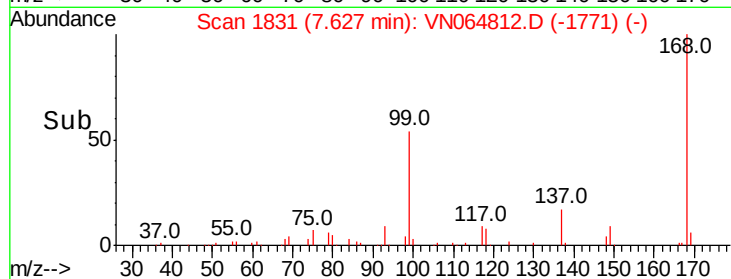
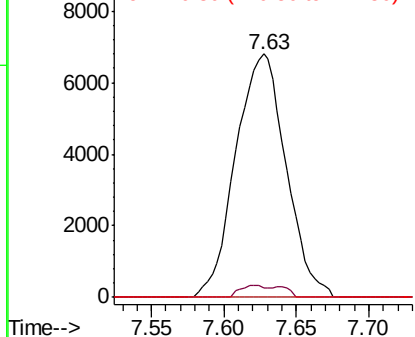
#38
Carbon Tetrachloride
Concen: 5.501 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN064812.D
Acq: 24 Nov 2020 15:51

Instrument :
MSVOA_N
ClientSampled :
MW-11

Tot Ion:117 Resp: 16437
Ion Ratio Lower Upper
117 100
119 4.1 76.7 115.1#
121 0.0 25.4 38.2#

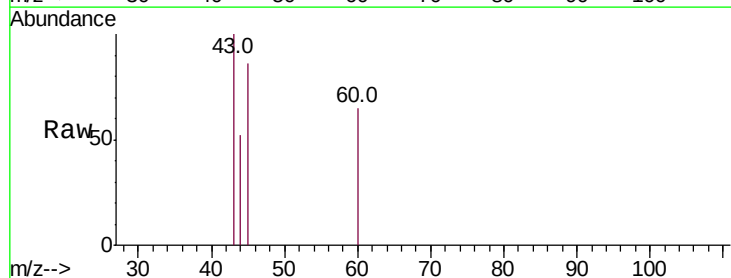


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

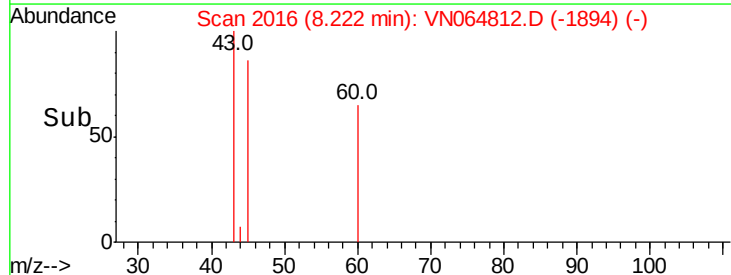
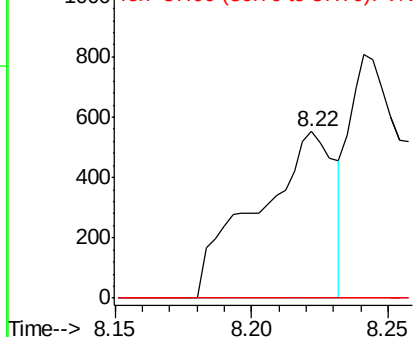


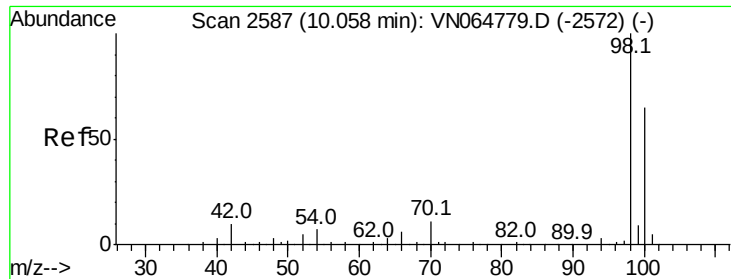
#43
Isopropyl Acetate
Concen: 0.245 ug/l
RT: 8.22 min Scan# 2016
Delta R.T. 0.09 min
Lab File: VN064812.D
Acq: 24 Nov 2020 15:51

Tgt Ion: 43 Resp: 1092
Ion Ratio Lower Upper
43 100
61 0.0 17.2 25.8#
87 0.0 11.4 17.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: 50.255 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064812.D

Acq: 24 Nov 2020 15:51

Instrument :

MSVOA_N

ClientSampleId :

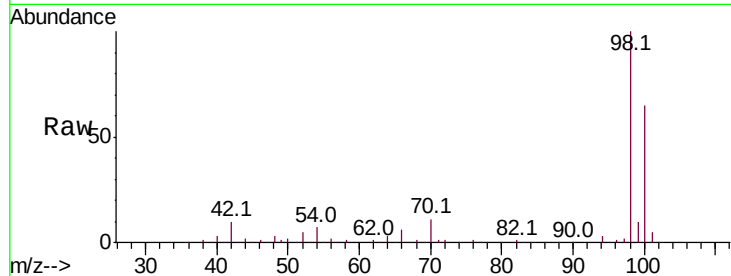
MW-11

Tot Ion: 98 Resp: 380652

Ion Ratio Lower Upper

98 100

100 64.8 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN064779.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN064779.D (-2572) (-)

250000

200000

150000

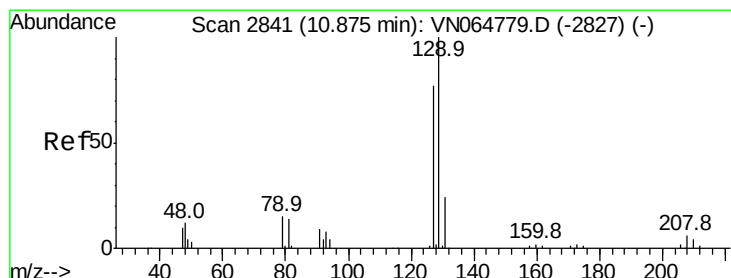
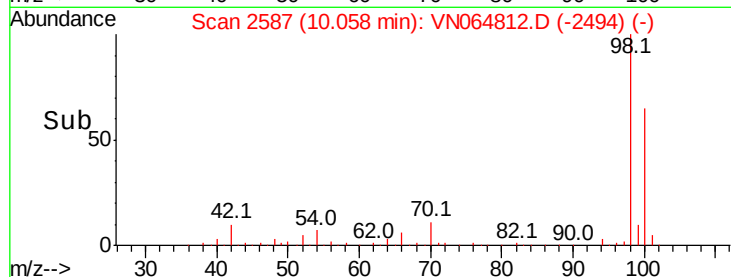
100000

50000

0

10.00 10.10

Time-->



#60

Dibromochloromethane

Concen: 0.721 ug/l

RT: 10.60 min Scan# 2755

Delta R.T. -0.28 min

Lab File: VN064812.D

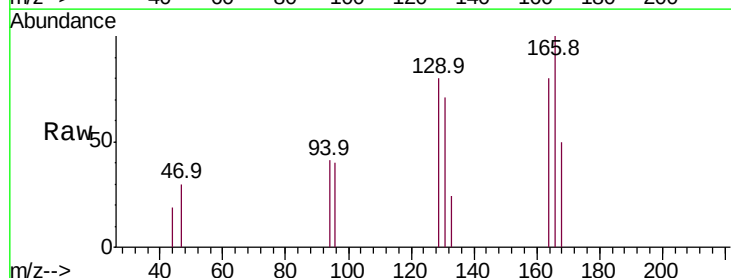
Acq: 24 Nov 2020 15:51

Tgt Ion: 129 Resp: 1787

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.2#



Abundance Ion 128.80 (128.50 to 129.50): VN064779.D (-2827) (-)

Ion 126.80 (126.50 to 127.50): VN064779.D (-2827) (-)

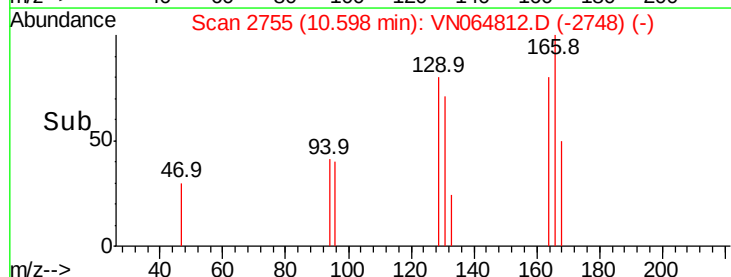
1000

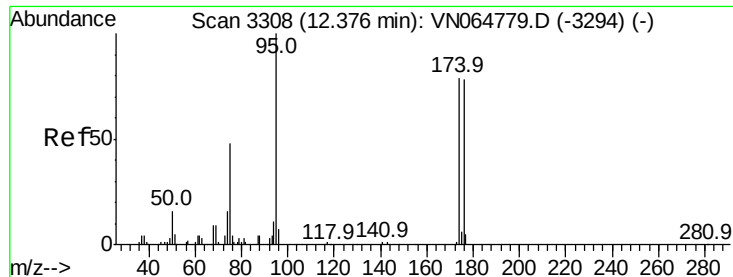
500

0

10.60

Time-->





#62

4-Bromofluorobenzene

Concen: 55.622 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.00 min

Lab File: VN064812.D

Acq: 24 Nov 2020 15:51

Instrument :

MSVOA_N

ClientSampleId :

MW-11

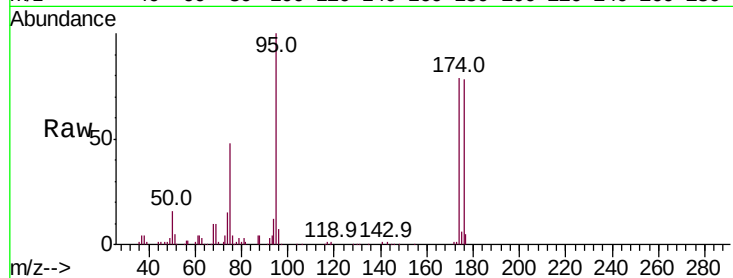
Tot Ion: 95 Resp: 150778

Ion Ratio Lower Upper

95 100

174 81.1 0.0 160.4

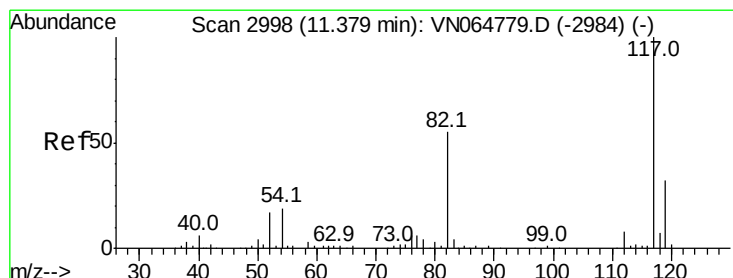
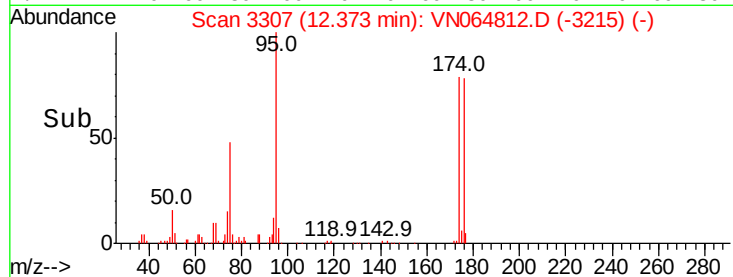
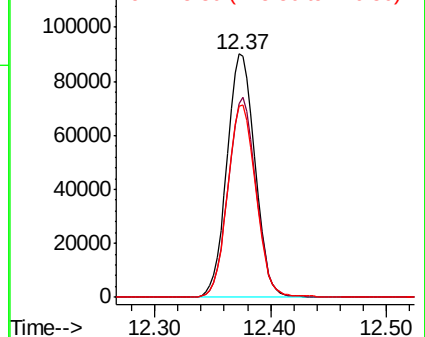
176 79.5 0.0 158.4



Abundance Ion 94.90 (94.60 to 95.60): VN064779.D (-3294) (-)

Ion 173.80 (173.50 to 174.50): VN064779.D (-3294) (-)

Ion 175.80 (175.50 to 176.50): VN064779.D (-3294) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN064812.D

Acq: 24 Nov 2020 15:51

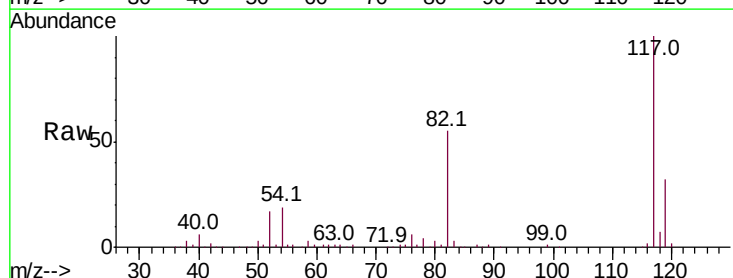
Tgt Ion: 117 Resp: 314923

Ion Ratio Lower Upper

117 100

82 54.9 44.2 66.2

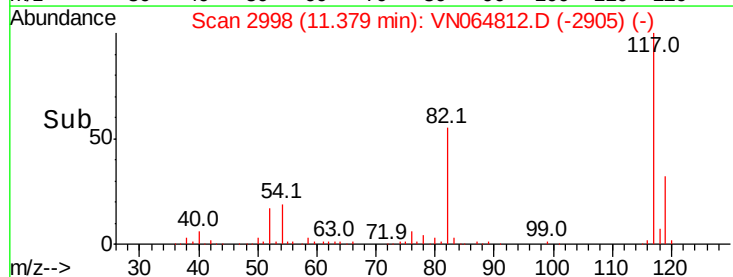
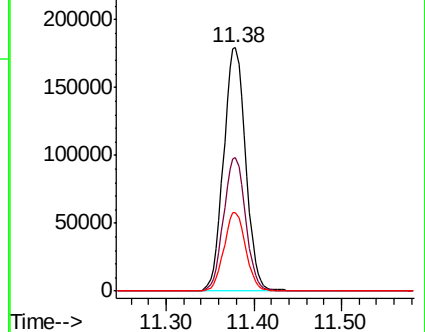
119 32.4 25.8 38.6

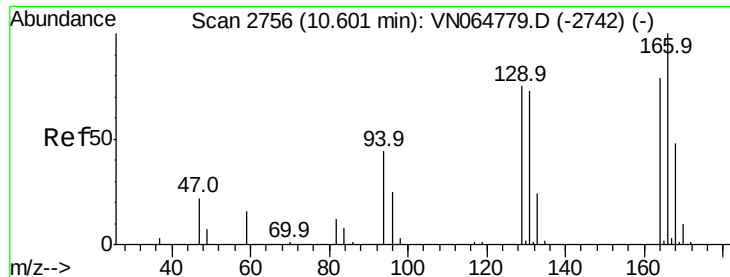


Abundance Ion 116.90 (116.60 to 117.60): VN064779.D (-2984) (-)

Ion 82.00 (81.70 to 82.70): VN064779.D (-2984) (-)

Ion 118.90 (118.60 to 119.60): VN064779.D (-2984) (-)





#64

Tetrachloroethene

Concen: 0.678 ug/l

RT: 10.60 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VN064812.D

Acq: 24 Nov 2020 15:51

Instrument :

MSVOA_N

ClientSampleId :

MW-11

Tot Ion:164 Resp: 2078

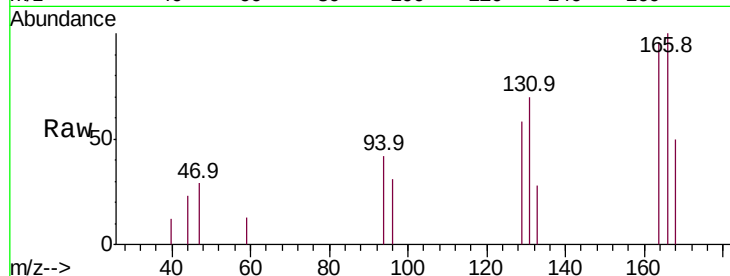
Ion Ratio Lower Upper

164 100

166 103.7 101.4 152.0

129 59.6 76.1 114.1#

131 72.5 74.2 111.2#

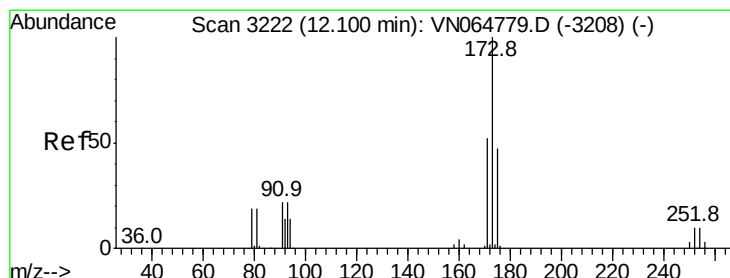
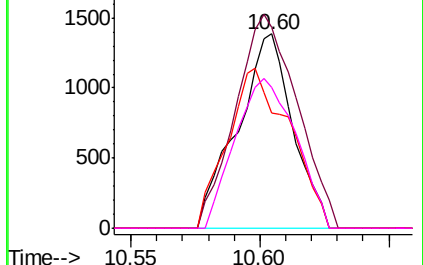
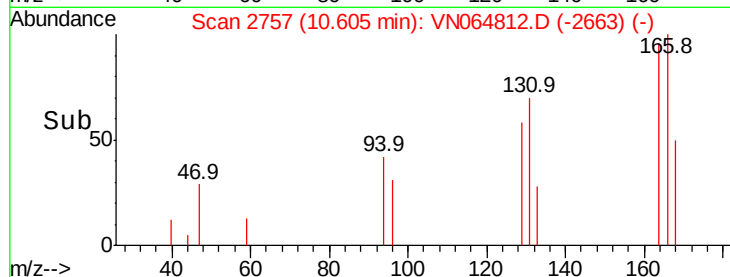


Abundance Ion 163.80 (163.50 to 164.50): V

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: 0.381 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.27 min

Lab File: VN064812.D

Acq: 24 Nov 2020 15:51

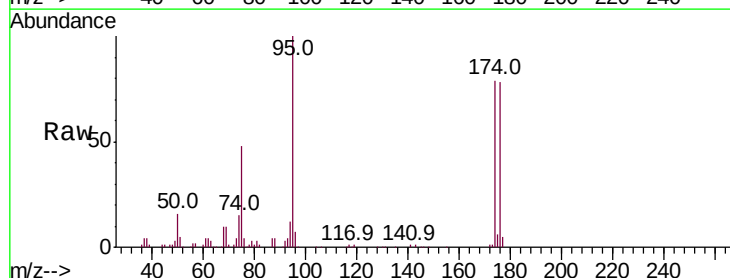
Tgt Ion:173 Resp: 757

Ion Ratio Lower Upper

173 100

175 1021.3 24.3 72.8#

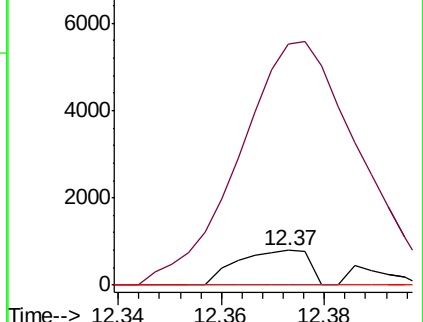
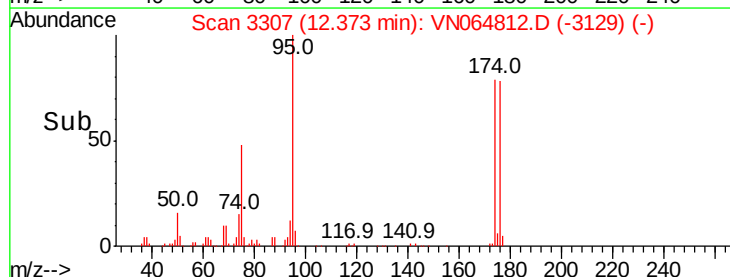
254 0.0 0.0 0.0

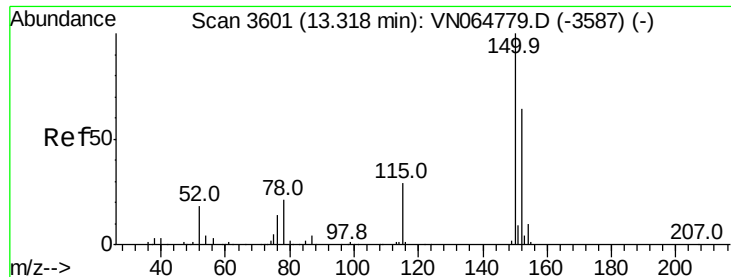


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064812.D

Acq: 24 Nov 2020 15:51

Instrument :

MSVOA_N

ClientSampled :

MW-11

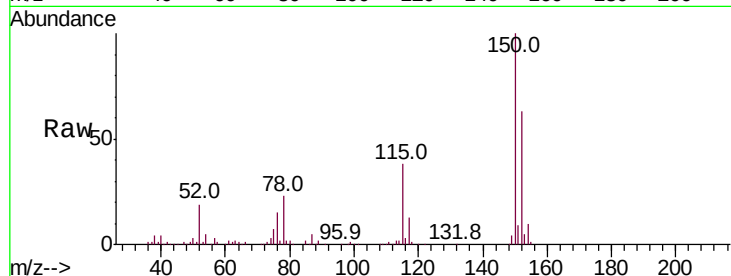
Tot Ion:152 Resp: 147934

Ion Ratio Lower Upper

152 100

115 59.5 29.7 89.1

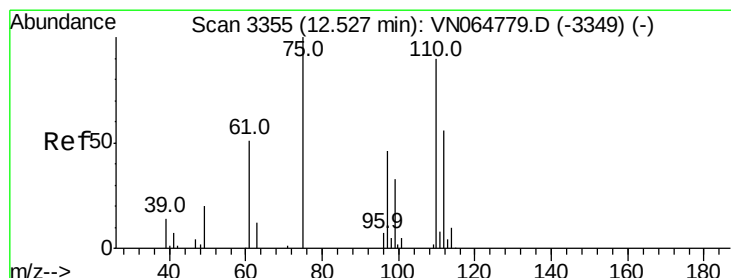
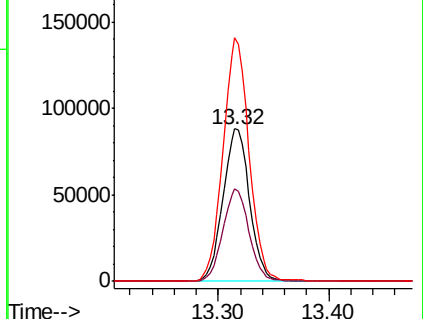
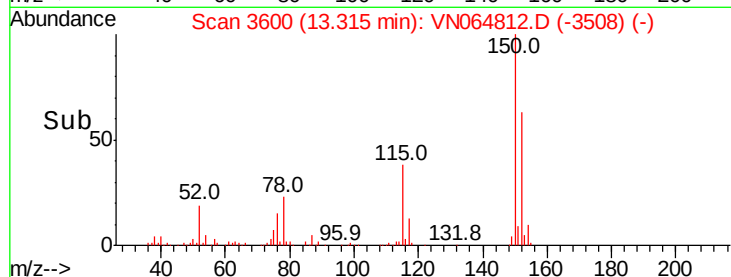
150 156.0 0.0 350.6



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: 22.898 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN064812.D

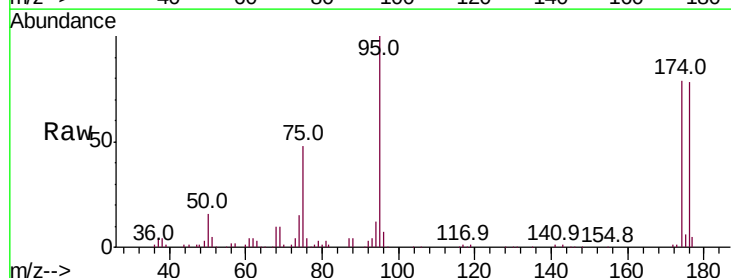
Acq: 24 Nov 2020 15:51

Tgt Ion: 75 Resp: 72950

Ion Ratio Lower Upper

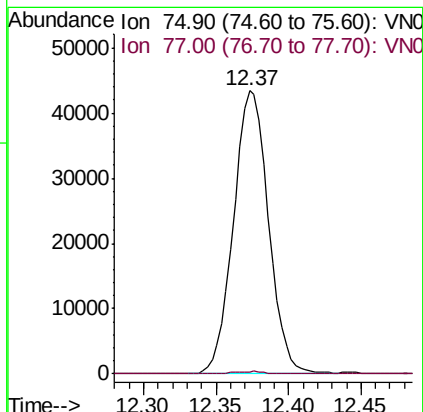
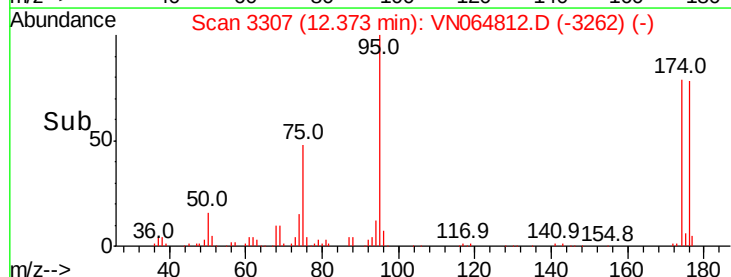
75 100

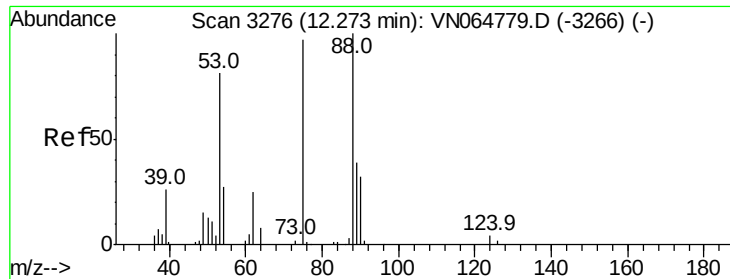
77 0.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

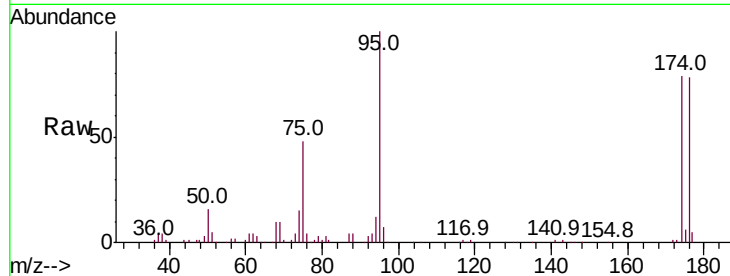




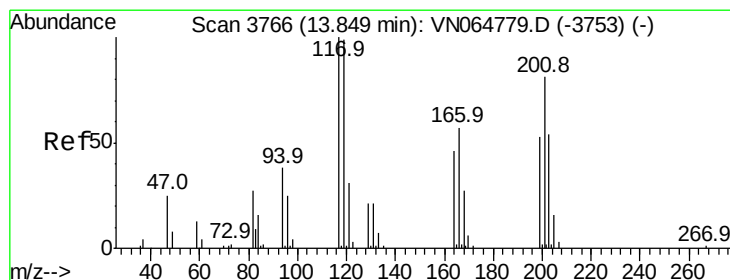
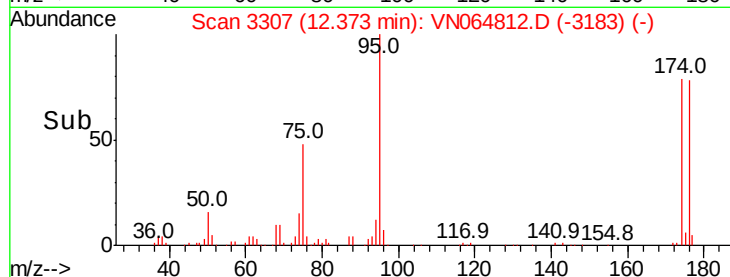
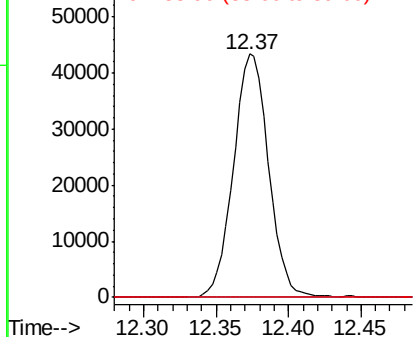
#81
trans-1,4-Dichloro-2-butene
Concen: 62.758 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. 0.10 min
Lab File: VN064812.D
Acq: 24 Nov 2020 15:51

Instrument :
MSVOA_N
ClientSampleId :
MW-11

Tot Ion: 75 Resp: 72950
Ion Ratio Lower Upper
75 100
53 0.0 67.0 100.4#
89 0.0 39.6 59.4#

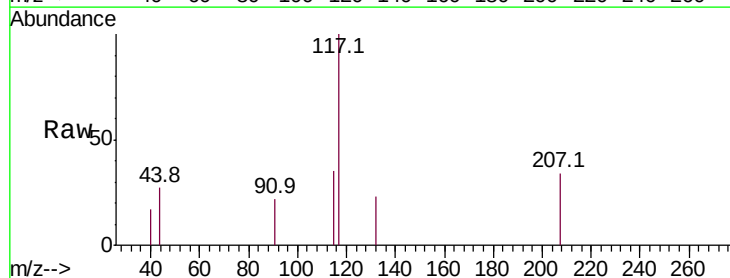


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0

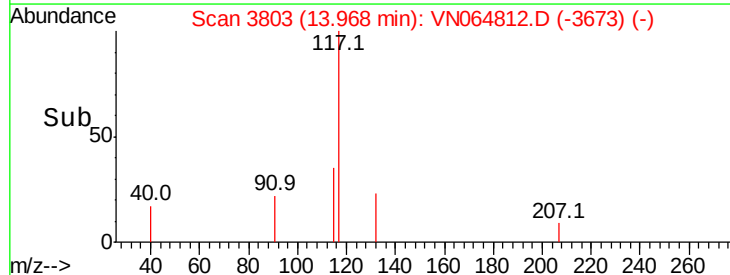
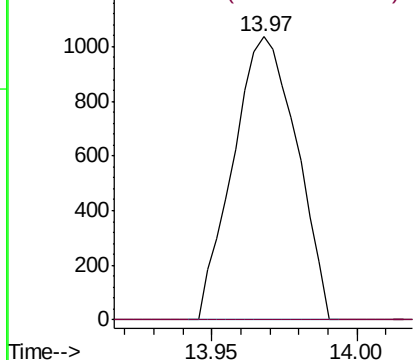


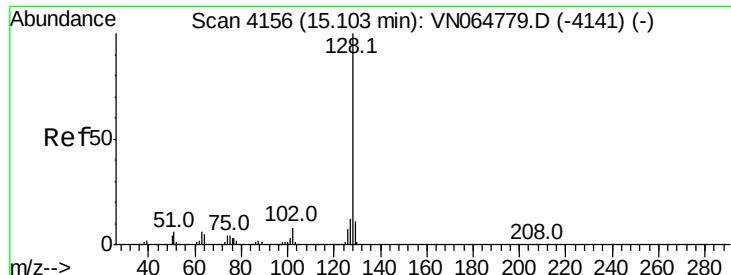
#90
Hexachloroethane
Concen: 1.047 ug/l
RT: 13.97 min Scan# 3803
Delta R.T. 0.12 min
Lab File: VN064812.D
Acq: 24 Nov 2020 15:51

Tgt Ion: 117 Resp: 1576
Ion Ratio Lower Upper
117 100
201 0.0 40.1 120.3#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#95

Naphthalene

Concen: 0.736 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN064812.D

Acq: 24 Nov 2020 15:51

Instrument :

MSVOA_N

ClientSampleId :

MW-11

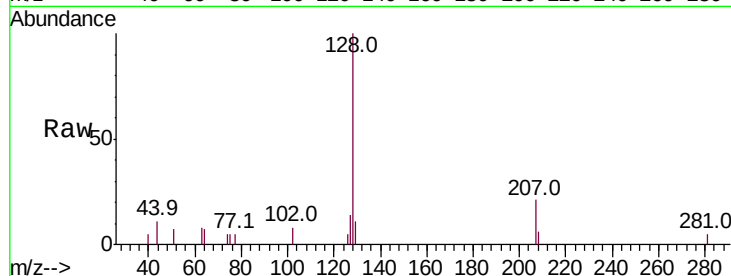
Tot Ion:128 Resp: 6603

Ion Ratio Lower Upper

128 100

127 11.3 10.3 15.5

129 6.2 8.7 13.1#



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

