

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112420\
 Data File : VN064810.D
 Acq On : 24 Nov 2020 15:03
 Operator : JC/MD
 Sample : L4829-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-13D

Quant Time: Nov 25 04:04:00 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	172737	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	310156	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	319819	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	149048	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	106460	53.01	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	106.02%
35) Dibromofluoromethane	7.55	113	95496	51.46	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	102.92%
50) Toluene-d8	10.06	98	385491	50.84	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.68%
62) 4-Bromofluorobenzene	12.38	95	155677	57.37	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	114.74%

Target Compounds

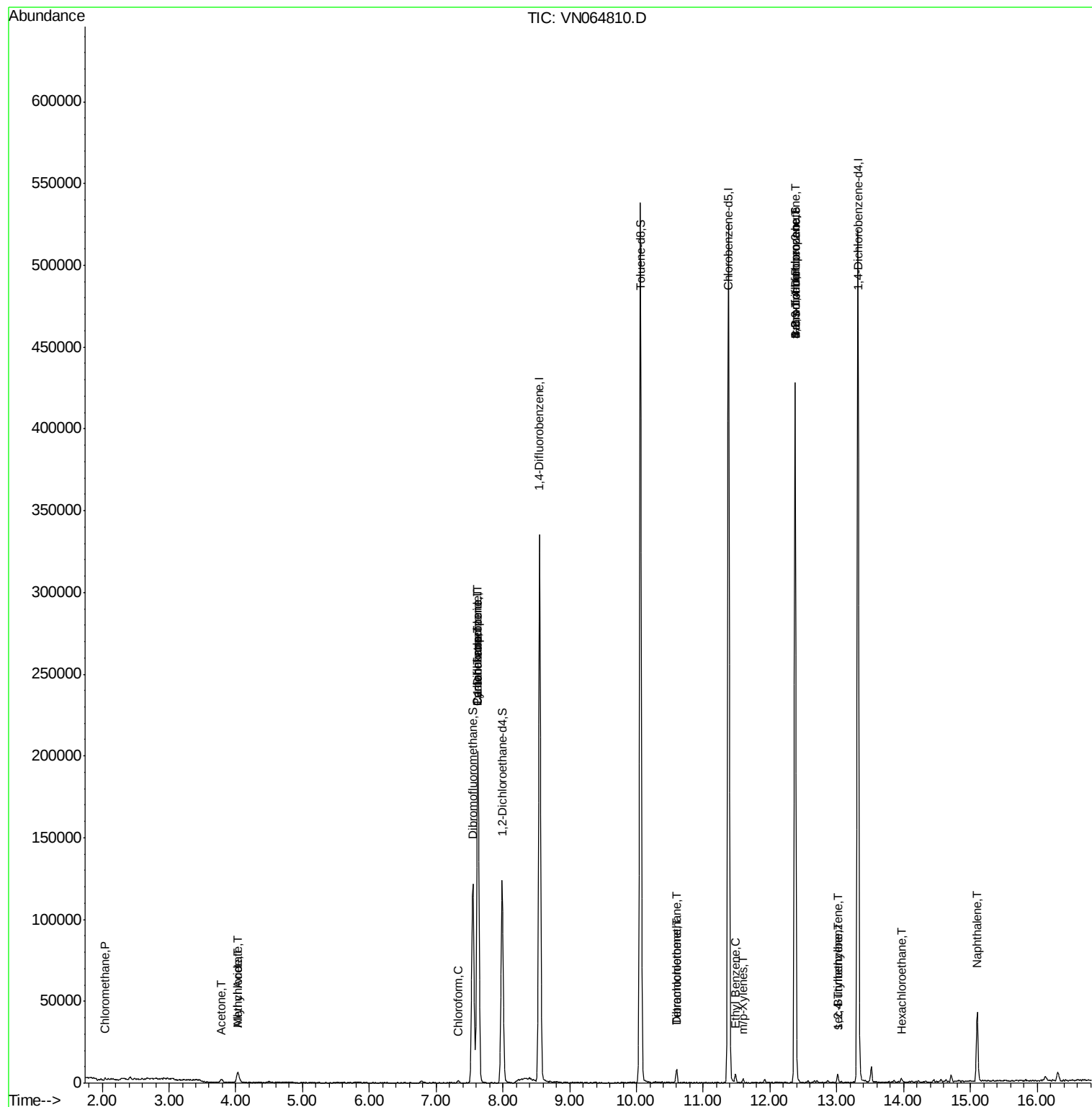
					Qvalue	
3) Chloromethane	2.04	50	1007	0.518	ug/l #	74
14) Allyl chloride	4.03	41	575	0.208	ug/l #	62
16) Acetone	3.78	43	3591	5.440	ug/l	98
18) Methyl Acetate	4.03	43	2778	1.400	ug/l #	50
30) Chloroform	7.33	83	1777	0.521	ug/l	98
31) Cyclohexane	7.62	56	3183	1.137	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	11410	3.969	ug/l #	50
38) Carbon Tetrachloride	7.63	117	15946	5.331	ug/l #	16
60) Dibromochloromethane	10.60	129	2063	0.832	ug/l #	10
64) Tetrachloroethene	10.61	164	2044	0.657	ug/l #	84
67) Ethyl Benzene	11.48	91	4344	0.379	ug/l	94
68) m/p-Xylenes	11.60	106	901	0.207	ug/l	79
71) Bromoform	12.38	173	570	0.283	ug/l #	1
76) 1,2,3-Trichloropropane	12.37	75	72929	22.720	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	72929	62.271	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.02	105	3957	0.454	ug/l	93
85) sec-Butylbenzene	13.02	105	3957	0.413	ug/l #	56
90) Hexachloroethane	13.97	117	1885	1.243	ug/l #	9
95) Naphthalene	15.10	128	39942	4.420	ug/l	99

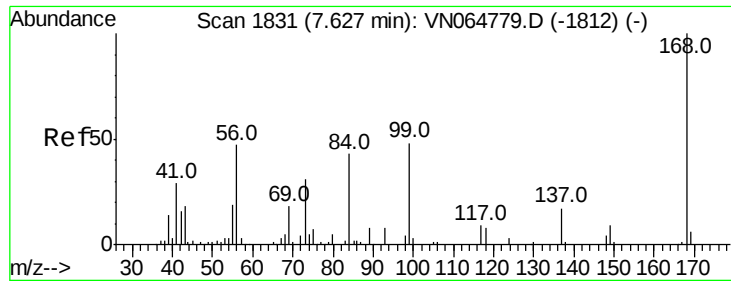
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 24 Nov 2020 15:03
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Sample : L4829-08
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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: VN064810.D

Acq: 24 Nov 2020 15:03

Instrument :

MSVOA_N

ClientSampleId :

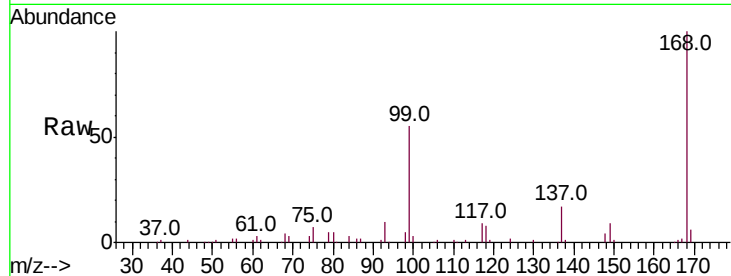
MW-13D

Tot Ion:168 Resp: 172737

Ion Ratio Lower Upper

168 100

99 55.3 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

80000

60000

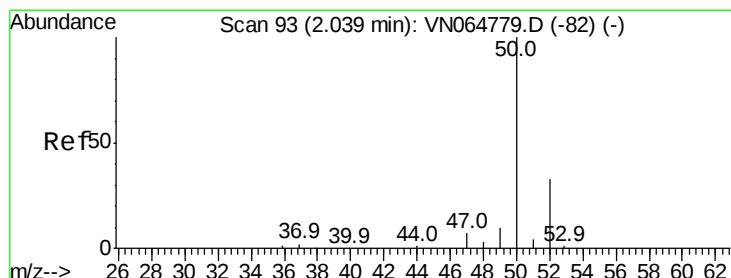
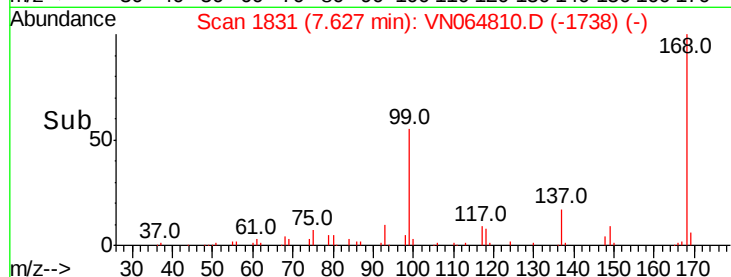
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#3

Chloromethane

Concen: 0.518 ug/l

RT: 2.04 min Scan# 94

Delta R.T. 0.00 min

Lab File: VN064810.D

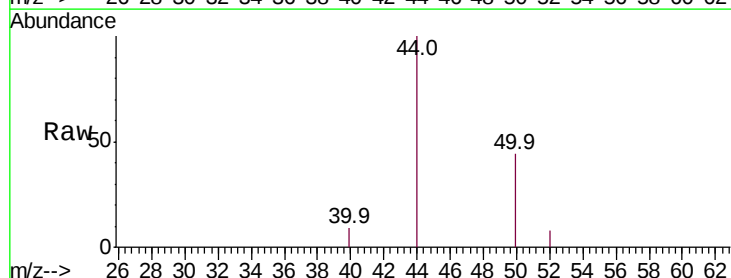
Acq: 24 Nov 2020 15:03

Tgt Ion: 50 Resp: 1007

Ion Ratio Lower Upper

50 100

52 18.2 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

1000

800

600

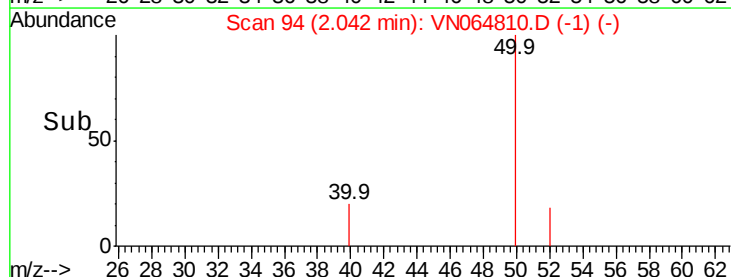
400

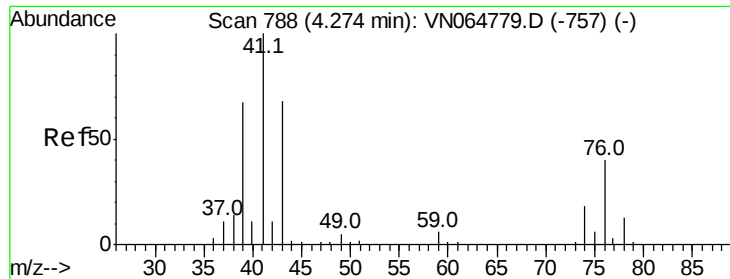
200

0

2.00 2.02 2.04 2.06

Time-->

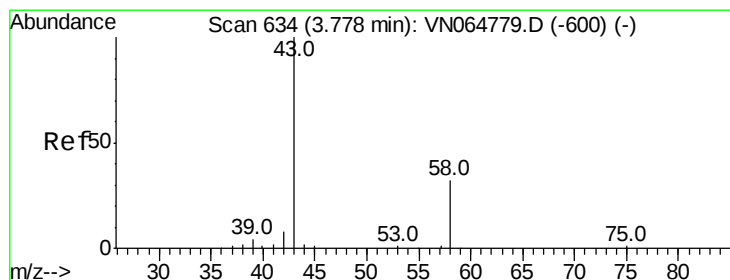
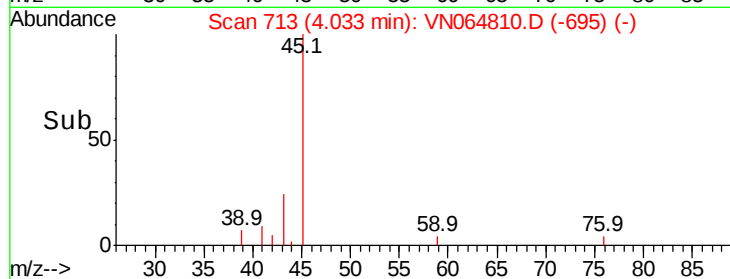
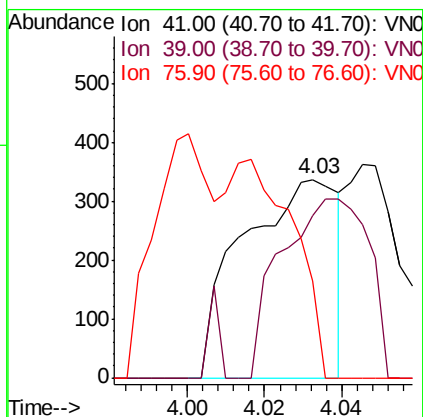
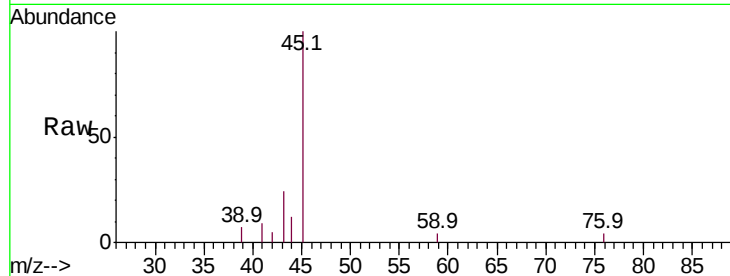




#14
Allv1 chloride
Concen: 0.208 ug/l
RT: 4.03 min Scan# 713
Delta R.T. -0.24 min
Lab File: VN064810.D
Acq: 24 Nov 2020 15:03

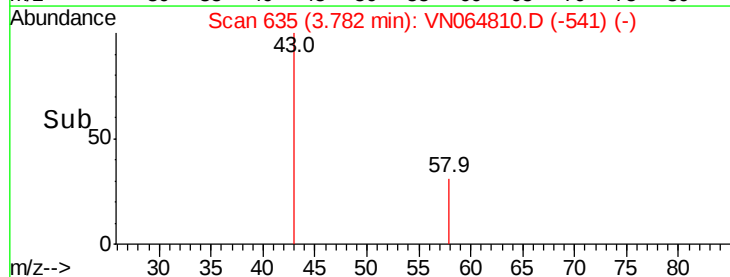
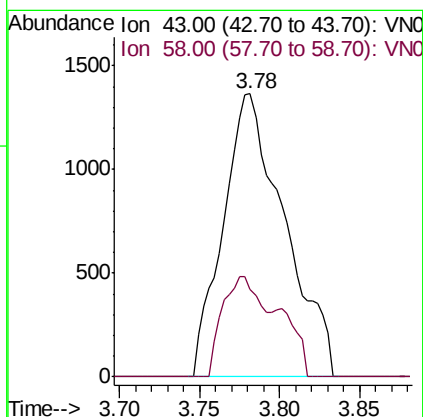
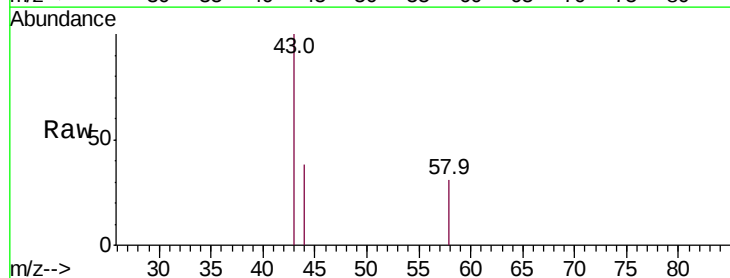
Instrument :
MSVOA_N
ClientSampled :
MW-13D

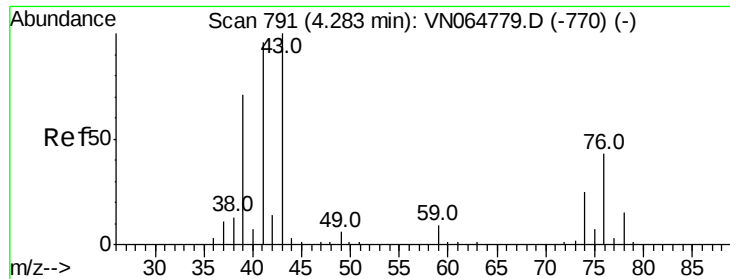
Tot Ion: 41 Resp: 575
Ion Ratio Lower Upper
41 100
39 83.1 50.9 76.3#
76 0.0 29.0 43.4#



#16
Acetone
Concen: 5.440 ug/l
RT: 3.78 min Scan# 635
Delta R.T. 0.00 min
Lab File: VN064810.D
Acq: 24 Nov 2020 15:03

Tgt Ion: 43 Resp: 3591
Ion Ratio Lower Upper
43 100
58 31.1 25.7 38.5

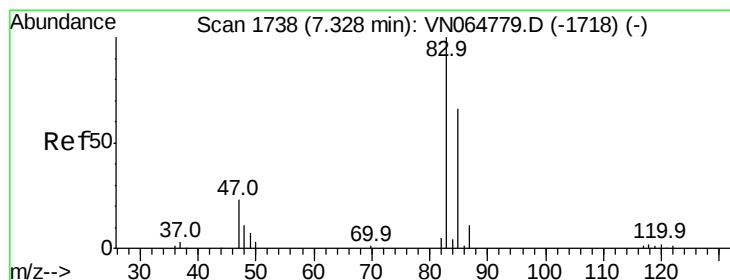
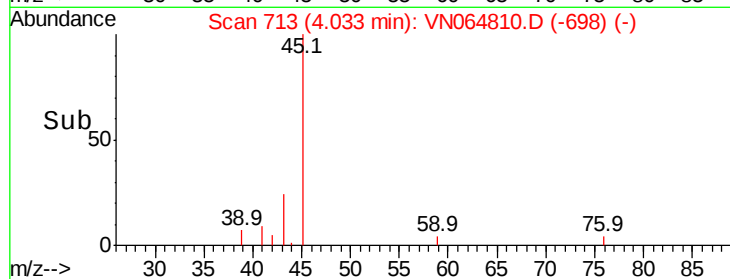
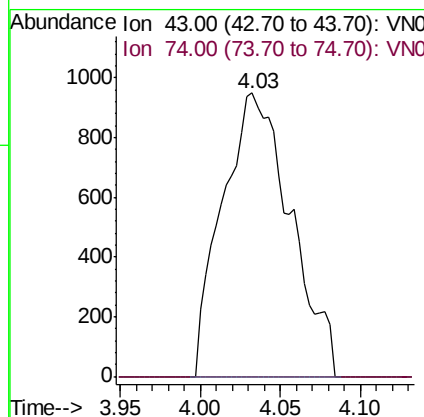
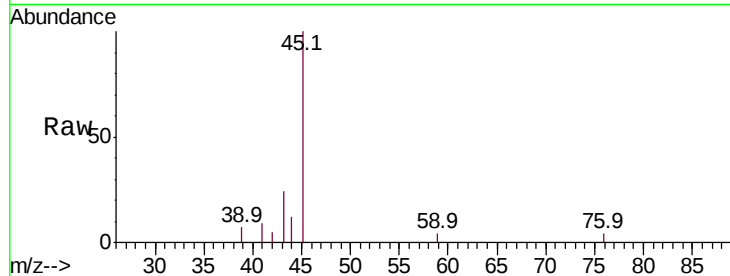




#18
Methvl Acetate
Concen: 1.400 ug/l
RT: 4.03 min Scan# 713
Delta R.T. -0.25 min
Lab File: VN064810.D
Acq: 24 Nov 2020 15:03

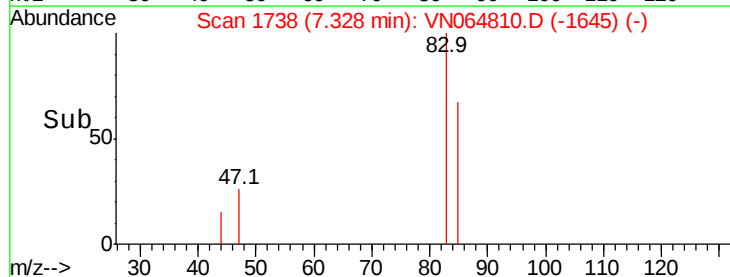
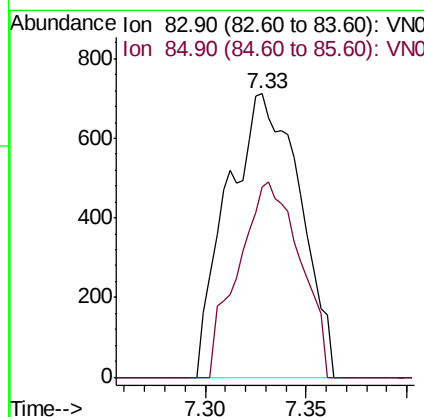
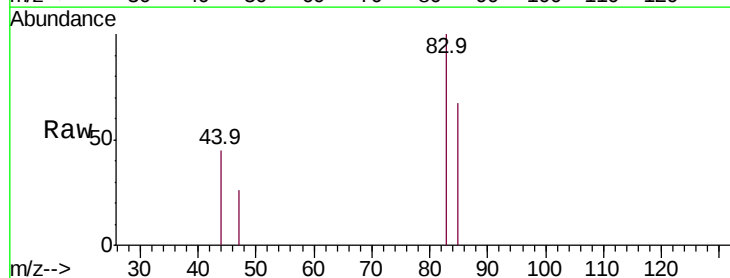
Instrument :
MSVOA_N
ClientSampled :
MW-13D

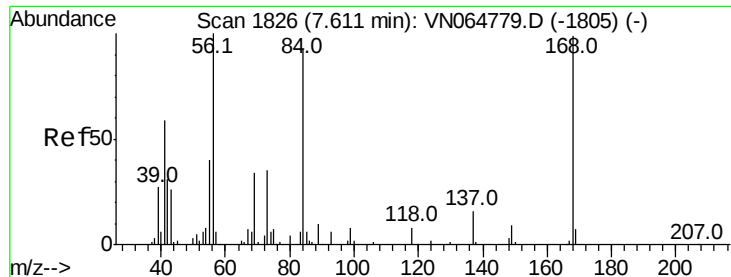
Tot Ion: 43 Resp: 2778
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#



#30
Chloroform
Concen: 0.521 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064810.D
Acq: 24 Nov 2020 15:03

Tgt Ion: 83 Resp: 1777
Ion Ratio Lower Upper
83 100
85 67.3 52.6 78.8





#31

Cyclohexane

Concen: 1.137 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN064810.D

Acq: 24 Nov 2020 15:03

Instrument :

MSVOA_N

ClientSampled :

MW-13D

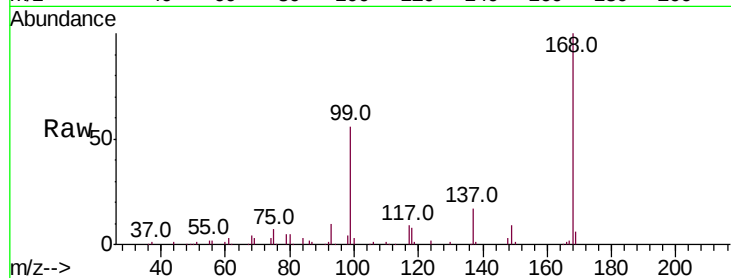
Tot Ion: 56 Resp: 3183

Ion Ratio Lower Upper

56 100

69 171.6 27.5 41.3#

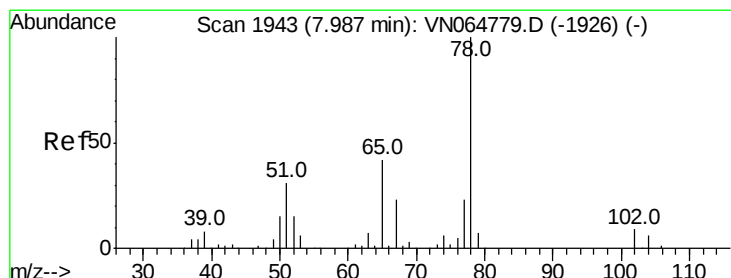
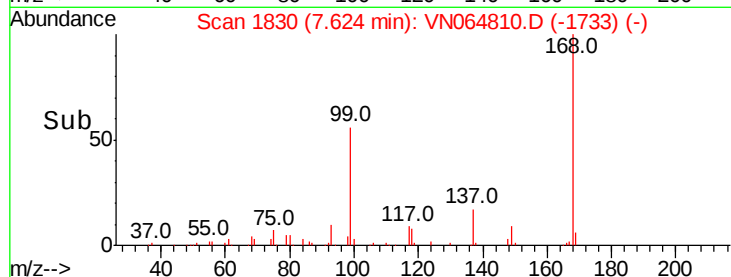
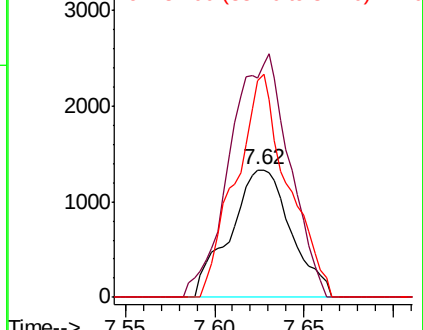
84 169.8 73.9 110.9#



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: 53.013 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064810.D

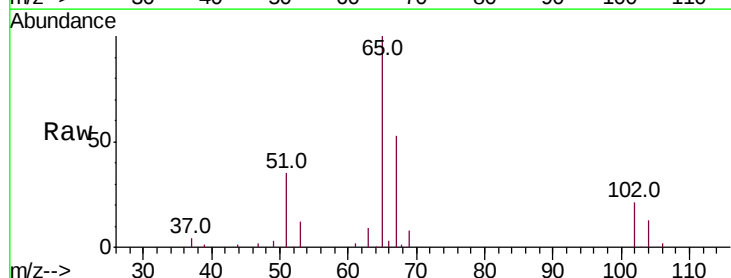
Acq: 24 Nov 2020 15:03

Tgt Ion: 65 Resp: 106460

Ion Ratio Lower Upper

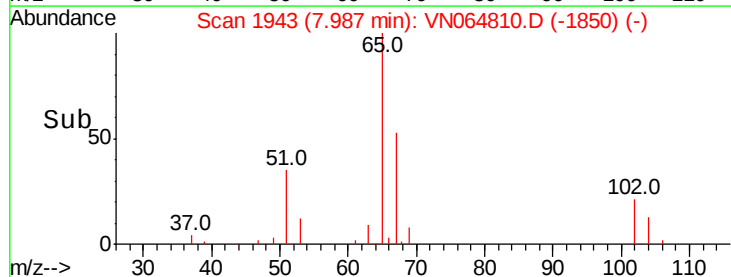
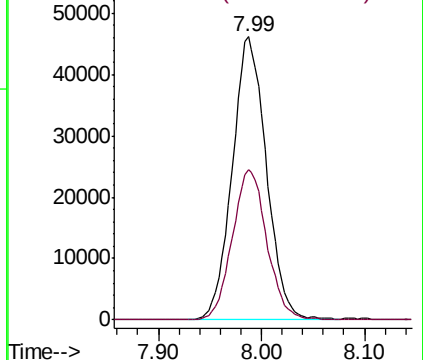
65 100

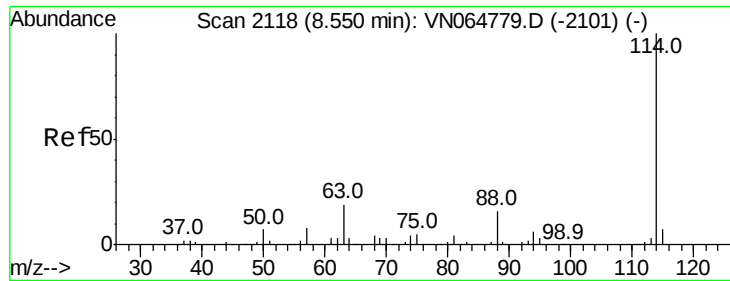
67 53.7 0.0 108.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

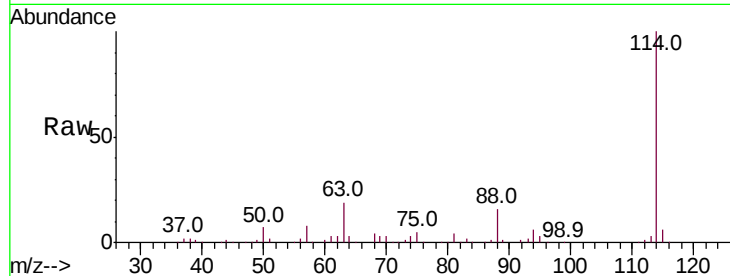




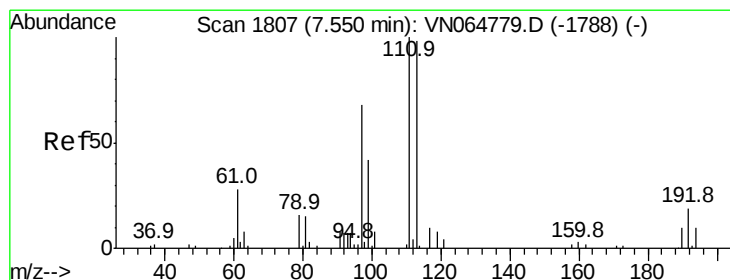
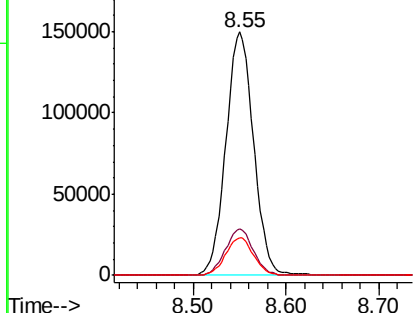
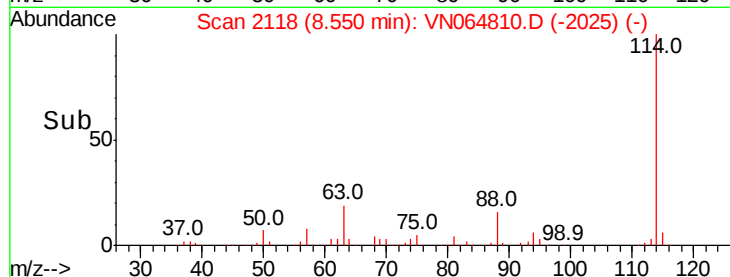
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064810.D
 Acq: 24 Nov 2020 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-13D

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	38.6
88	15.6	0.0	32.6

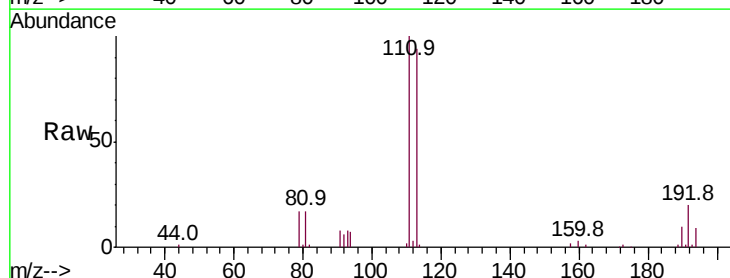


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

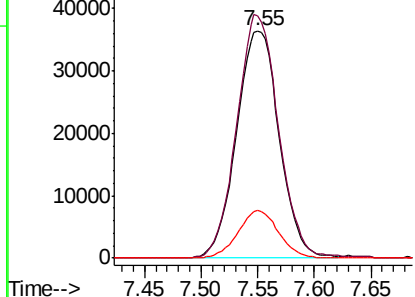
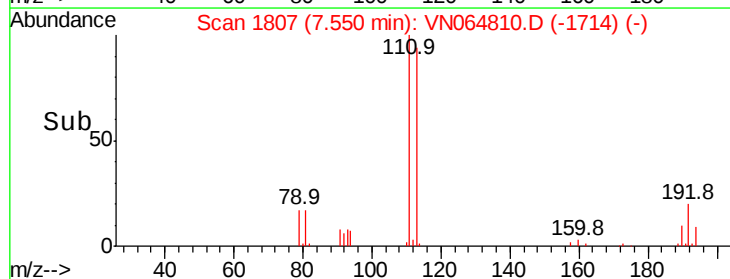


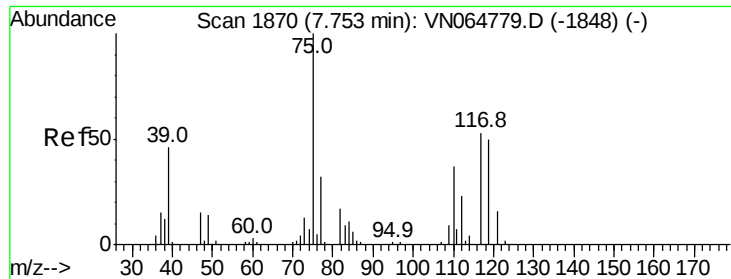
#35
 Dibromofluoromethane
 Concen: 51.456 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064810.D
 Acq: 24 Nov 2020 15:03

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.6	81.6	122.4
192	19.9	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: 3.969 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN064810.D

Acq: 24 Nov 2020 15:03

Instrument :

MSVOA_N

ClientSampleId :

MW-13D

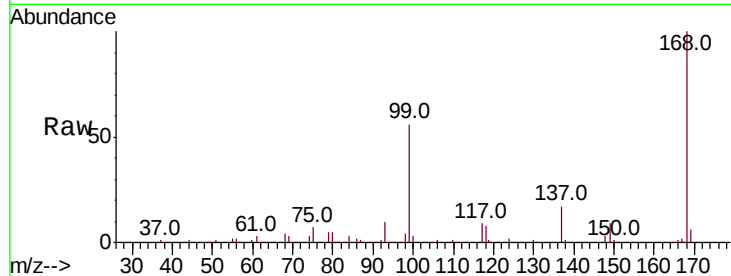
Tot Ion: 75 Resp: 11410

Ion Ratio Lower Upper

75 100

110 9.8 17.8 53.3#

77 0.0 25.0 37.4#

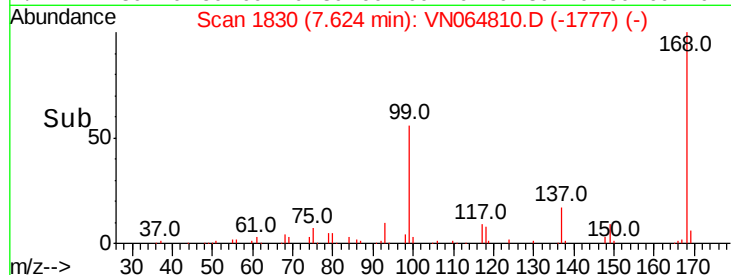


Abundance Ion 74.90 (74.60 to 75.60): VN064810.D (-1777) (-)

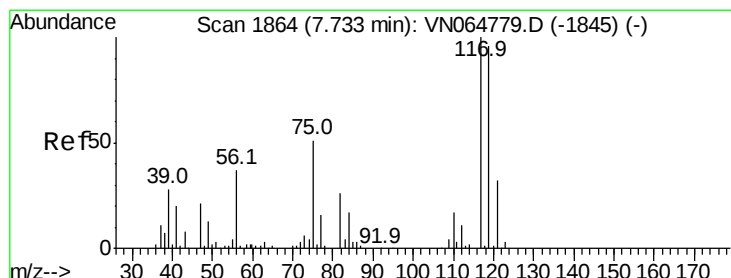
Ion 109.90 (109.60 to 110.60): VN064810.D (-1777) (-)

Ion 76.90 (76.60 to 77.60): VN064810.D (-1777) (-)

Time-->



Time-->



#38

Carbon Tetrachloride

Concen: 5.331 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN064810.D

Acq: 24 Nov 2020 15:03

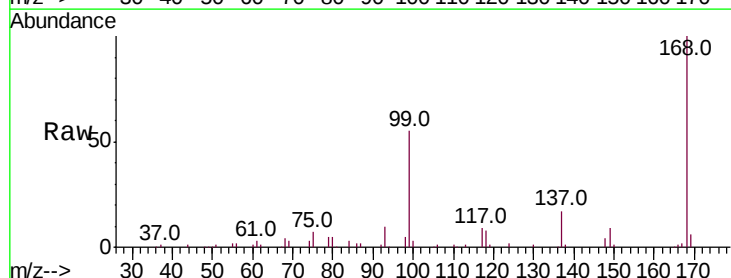
Tgt Ion: 117 Resp: 15946

Ion Ratio Lower Upper

117 100

119 5.7 76.7 115.1#

121 0.0 25.4 38.2#

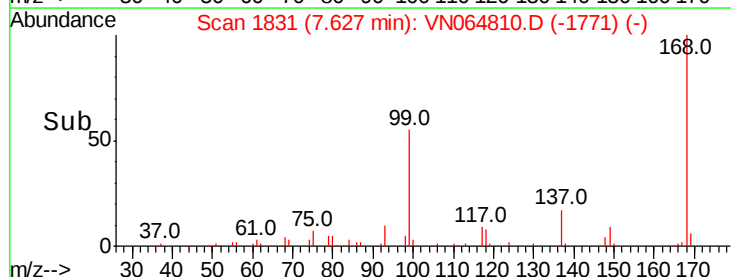


Abundance Ion 116.80 (116.50 to 117.50): VN064810.D (-1771) (-)

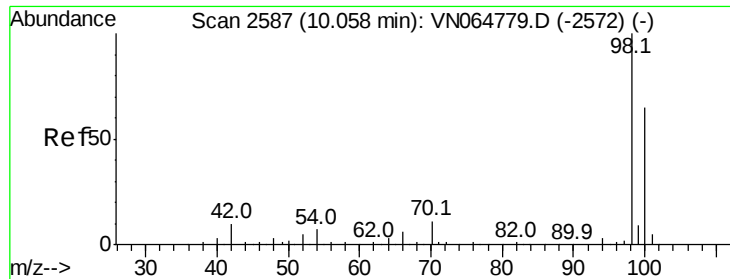
Ion 118.80 (118.50 to 119.50): VN064810.D (-1771) (-)

Ion 120.80 (120.50 to 121.50): VN064810.D (-1771) (-)

Time-->



Time-->



#50

Toluene-d8

Concen: 50.836 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064810.D

Acq: 24 Nov 2020 15:03

Instrument :

MSVOA_N

ClientSampleId :

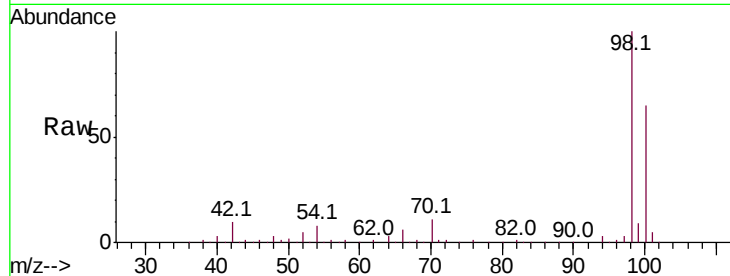
MW-13D

Tot Ion: 98 Resp: 385491

Ion Ratio Lower Upper

98 100

100 64.3 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

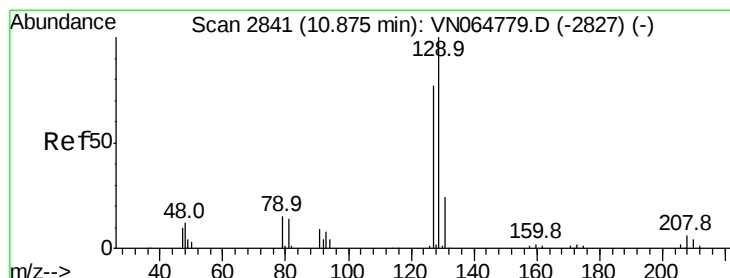
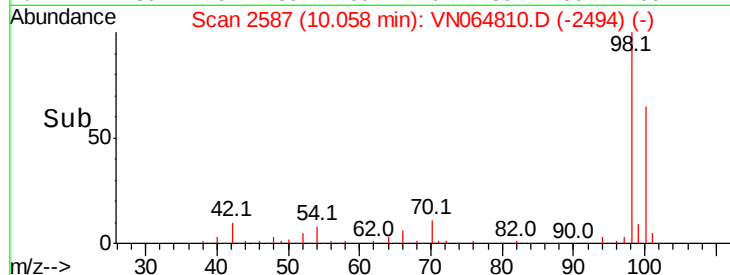
50000

0

10.06

10.10

Time-->



#60

Dibromochloromethane

Concen: 0.832 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. -0.27 min

Lab File: VN064810.D

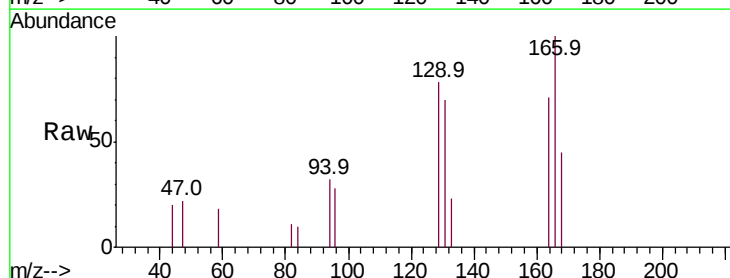
Acq: 24 Nov 2020 15:03

Tgt Ion: 129 Resp: 2063

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) (-)

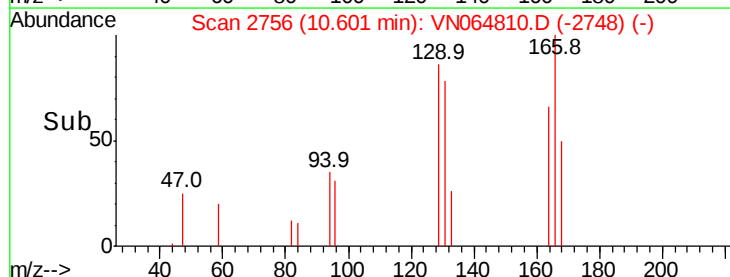
1000

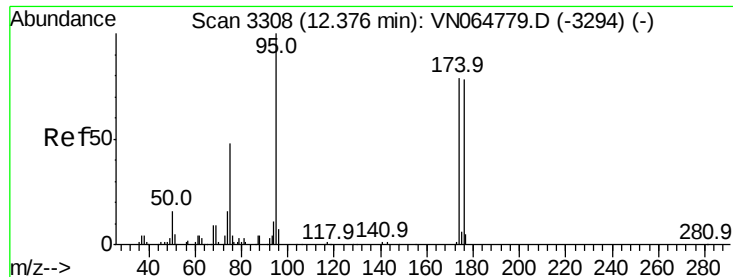
500

0

10.60

Time-->





#62

4-Bromofluorobenzene

Concen: 57.365 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064810.D

Acq: 24 Nov 2020 15:03

Instrument :

MSVOA_N

ClientSampleId :

MW-13D

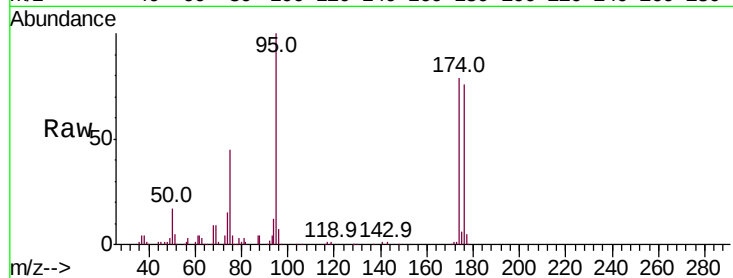
Tot Ion: 95 Resp: 155677

Ion Ratio Lower Upper

95 100

174 79.5 0.0 160.4

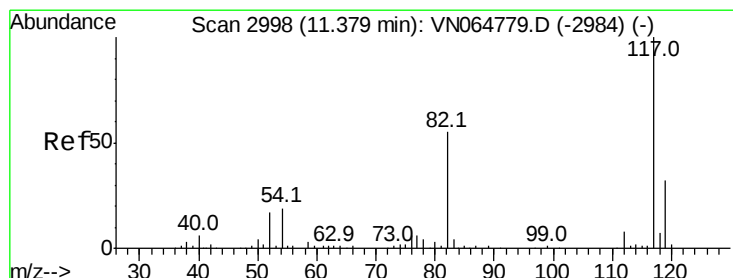
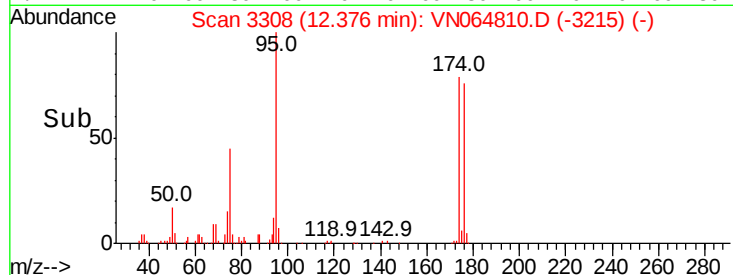
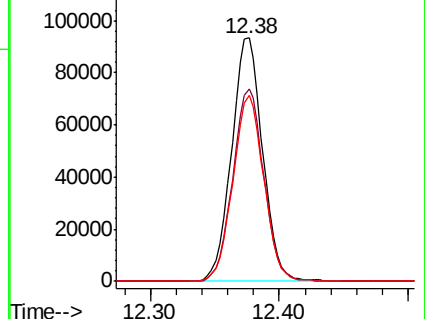
176 76.3 0.0 158.4



Abundance Ion 94.90 (94.60 to 95.60): VN064810.D (-2905) (-)

Ion 173.80 (173.50 to 174.50): VN064810.D (-2905) (-)

Ion 175.80 (175.50 to 176.50): VN064810.D (-2905) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN064810.D

Acq: 24 Nov 2020 15:03

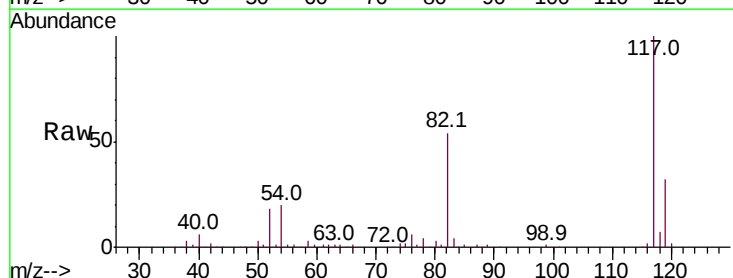
Tgt Ion: 117 Resp: 319819

Ion Ratio Lower Upper

117 100

82 54.0 44.2 66.2

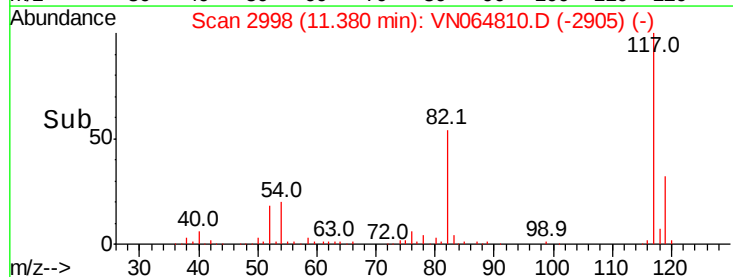
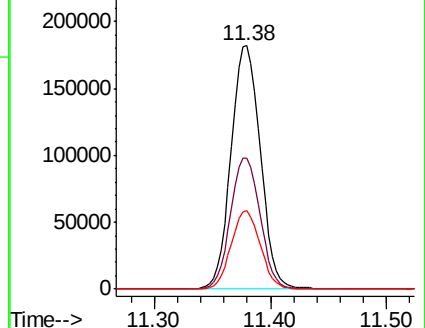
119 32.3 25.8 38.6

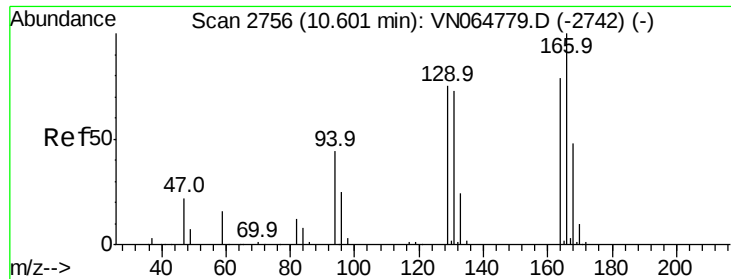


Abundance Ion 116.90 (116.60 to 117.60): VN064810.D (-2905) (-)

Ion 82.00 (81.70 to 82.70): VN064810.D (-2905) (-)

Ion 118.90 (118.60 to 119.60): VN064810.D (-2905) (-)





#64

Tetrachloroethene

Concen: 0.657 ug/l

RT: 10.61 min Scan# 2758

Delta R.T. 0.01 min

Lab File: VN064810.D

Acq: 24 Nov 2020 15:03

Instrument :

MSVOA_N

ClientSampleId :

MW-13D

Tot Ion:164 Resp: 2044

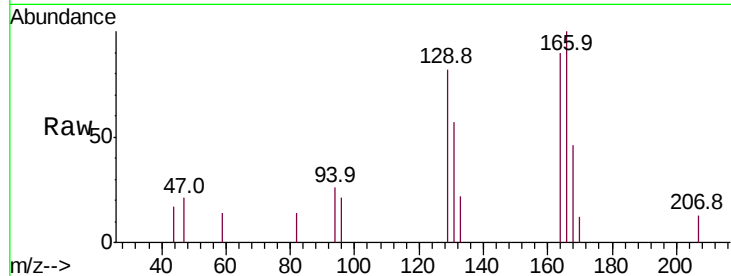
Ion Ratio Lower Upper

164 100

166 111.0 101.4 152.0

129 91.4 76.1 114.1

131 63.5 74.2 111.2#



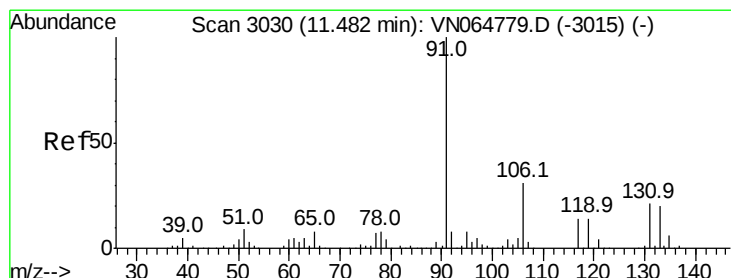
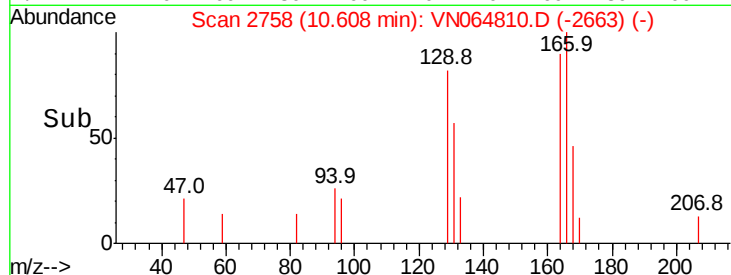
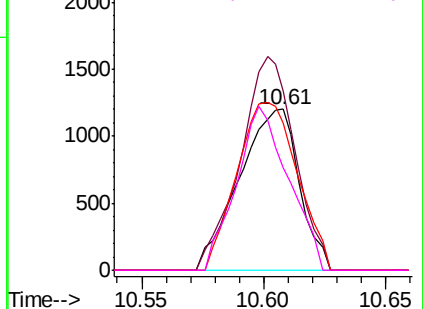
Abundance

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



#67

Ethyl Benzene

Concen: 0.379 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064810.D

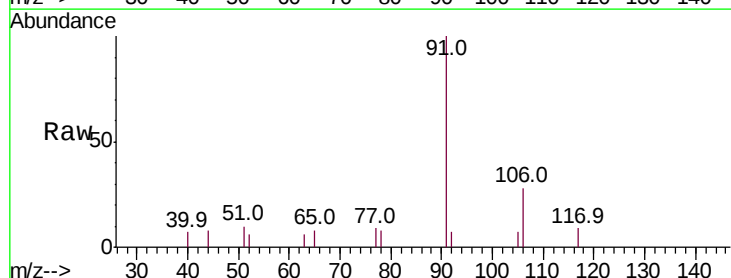
Acq: 24 Nov 2020 15:03

Tgt Ion: 91 Resp: 4344

Ion Ratio Lower Upper

91 100

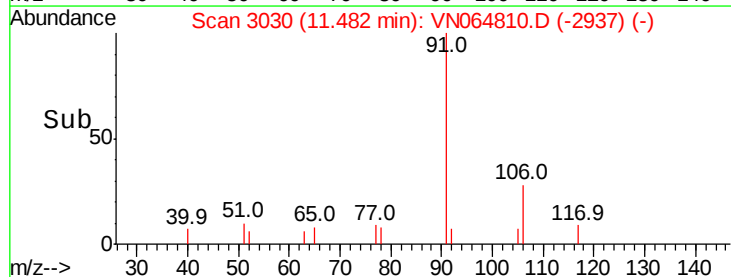
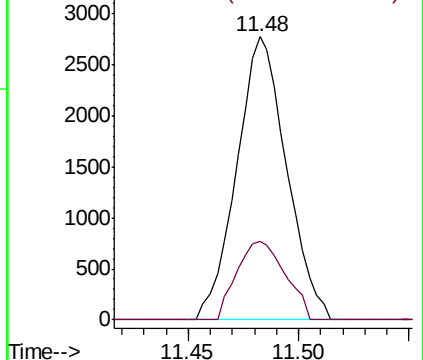
106 28.0 25.2 37.8

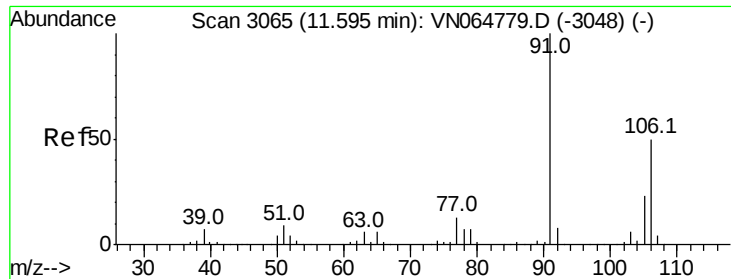


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

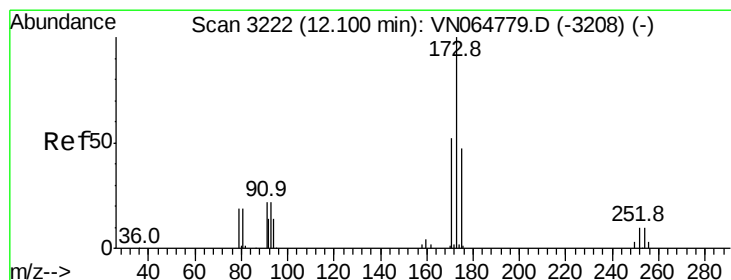
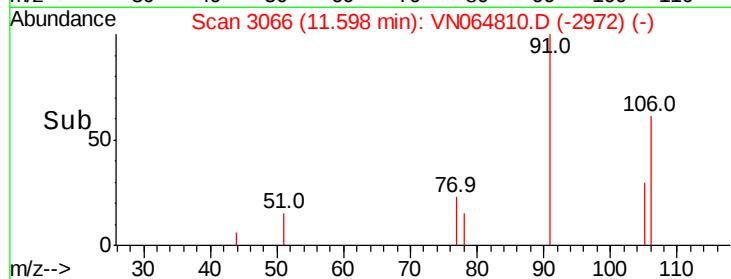
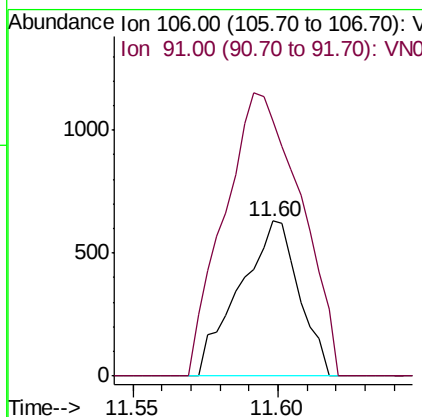
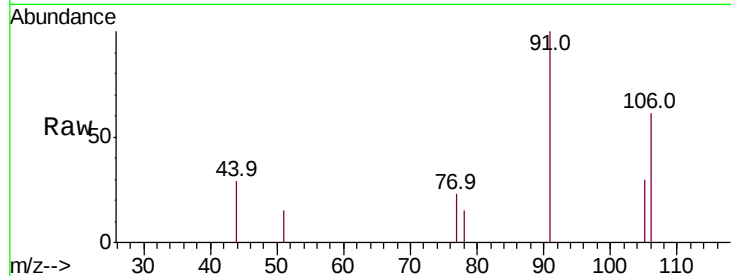




#68
m/p-Xvlenes
Concen: 0.207 ug/l
RT: 11.60 min Scan# 3066
Delta R.T. 0.00 min
Lab File: VN064810.D
Acq: 24 Nov 2020 15:03

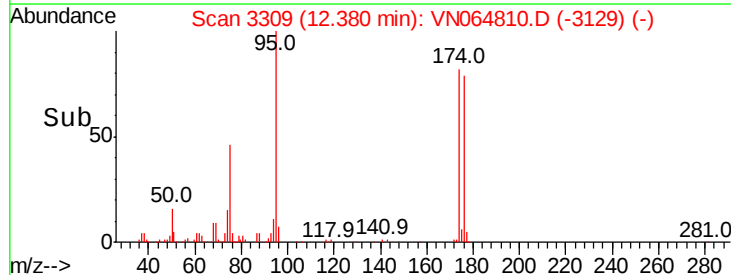
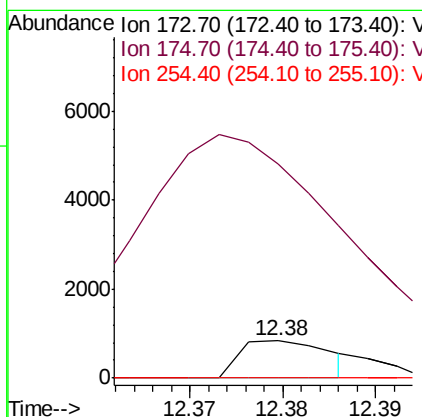
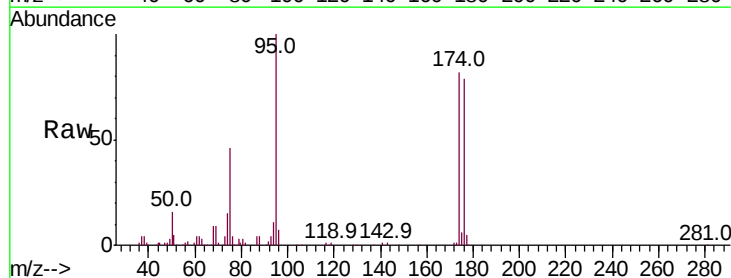
Instrument :
MSVOA_N
ClientSampled :
MW-13D

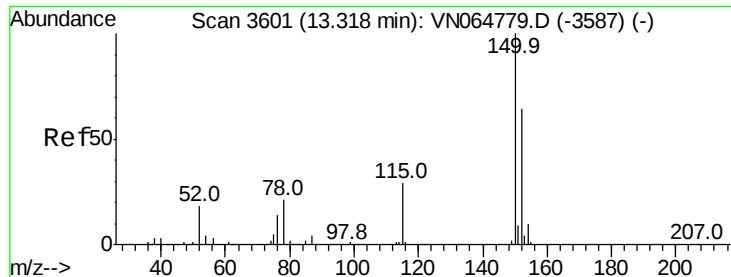
Tot Ion:106 Resp: 901
Ion Ratio Lower Upper
106 100
91 233.0 161.0 241.4



#71
Bromoform
Concen: 0.283 ug/l
RT: 12.38 min Scan# 3309
Delta R.T. 0.28 min
Lab File: VN064810.D
Acq: 24 Nov 2020 15:03

Tgt Ion:173 Resp: 570
Ion Ratio Lower Upper
173 100
175 1355.8 24.3 72.8#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064810.D

Acq: 24 Nov 2020 15:03

Instrument :

MSVOA_N

ClientSampleId :

MW-13D

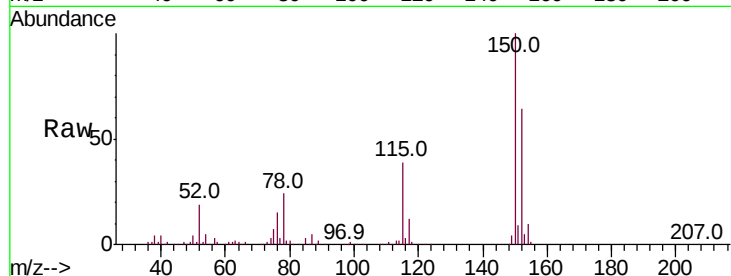
Tot Ion:152 Resp: 149048

Ion Ratio Lower Upper

152 100

115 60.1 29.7 89.1

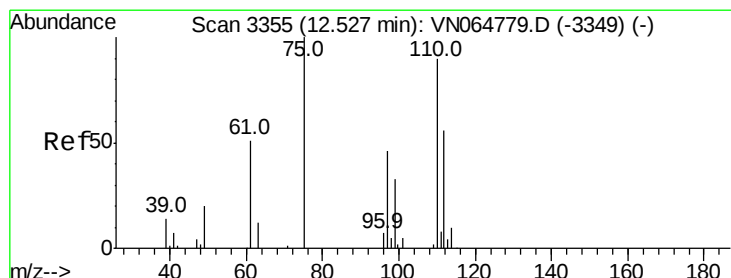
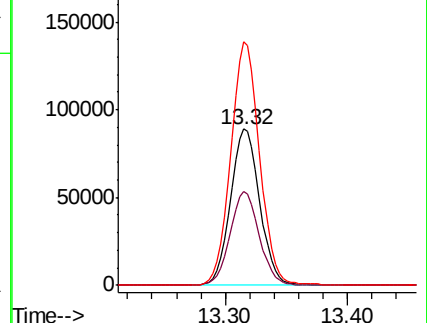
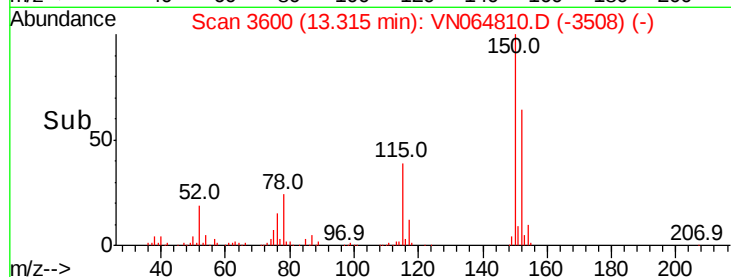
150 154.3 0.0 350.6



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: 22.720 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN064810.D

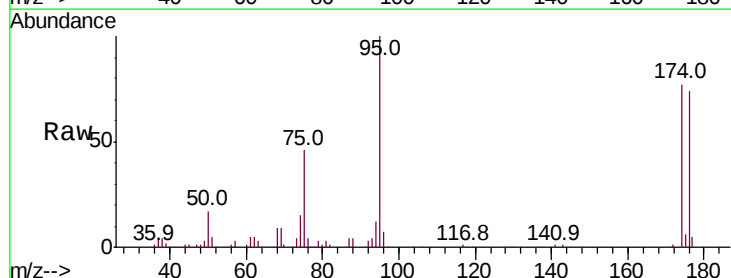
Acq: 24 Nov 2020 15:03

Tgt Ion: 75 Resp: 72929

Ion Ratio Lower Upper

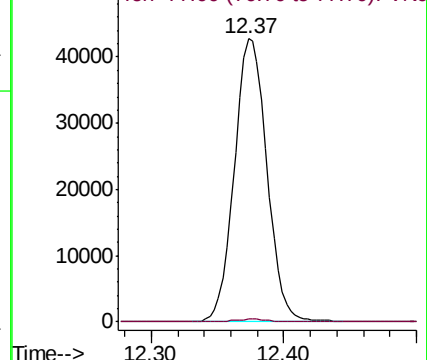
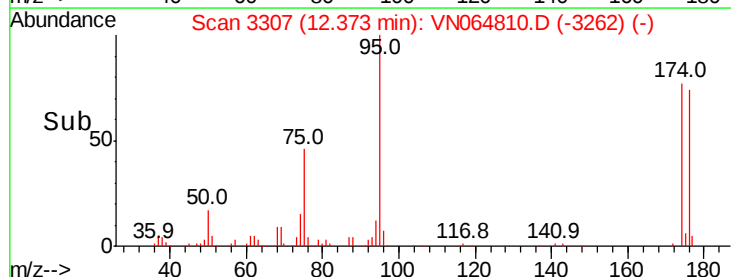
75 100

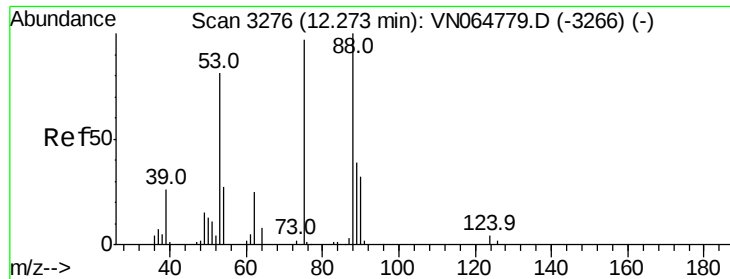
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

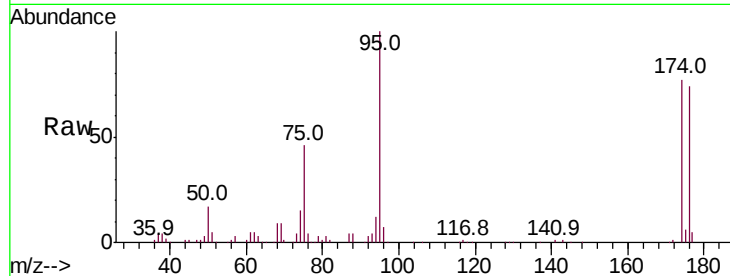




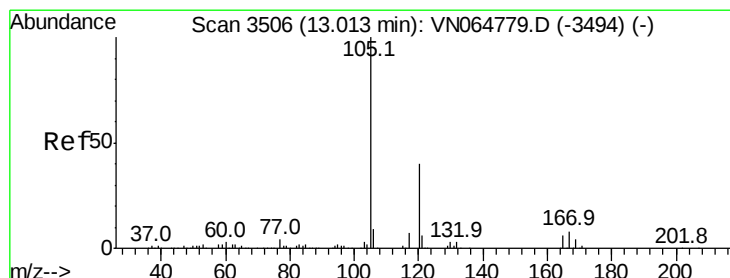
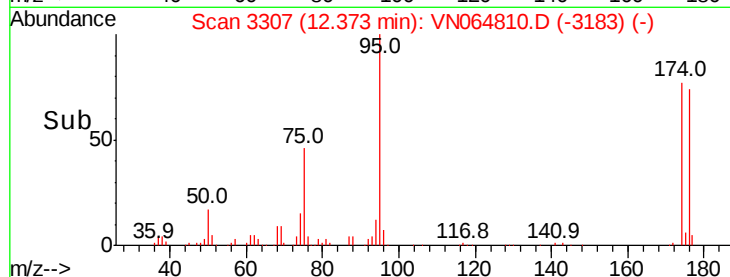
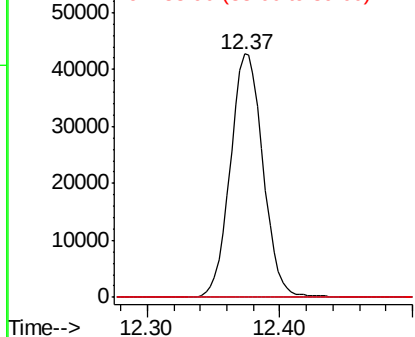
#81
trans-1,4-Dichloro-2-butene
Concen: 62.271 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. 0.10 min
Lab File: VN064810.D
Acq: 24 Nov 2020 15:03

Instrument :
MSVOA_N
ClientSampled :
MW-13D

Tot Ion: 75 Resp: 72929
Ion Ratio Lower Upper
75 100
53 0.0 67.0 100.4#
89 0.0 39.6 59.4#

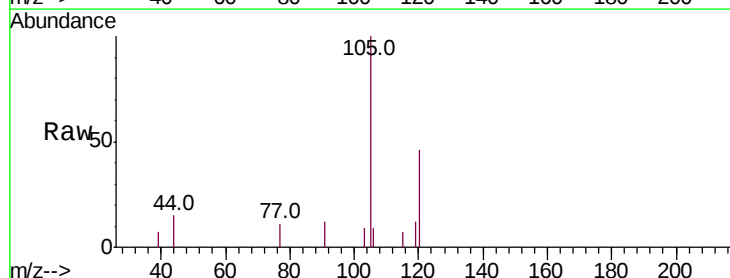


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0

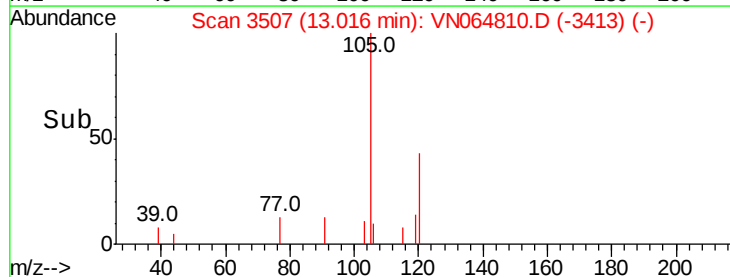
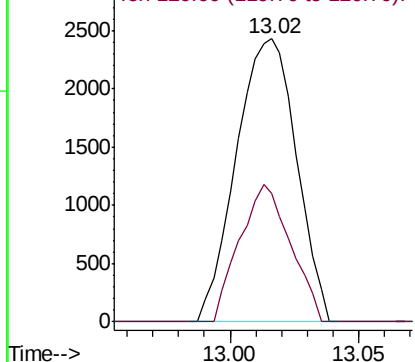


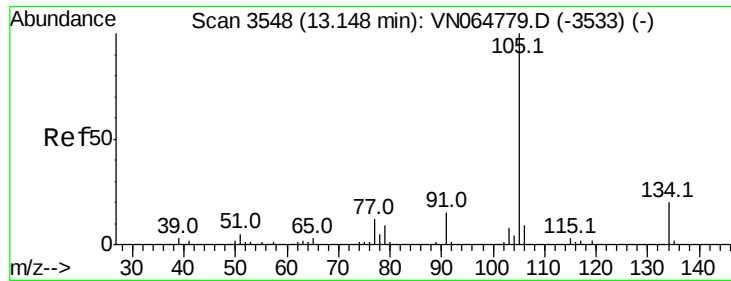
#84
1,2,4-Trimethylbenzene
Concen: 0.454 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN064810.D
Acq: 24 Nov 2020 15:03

Tgt Ion: 105 Resp: 3957
Ion Ratio Lower Upper
105 100
120 41.3 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

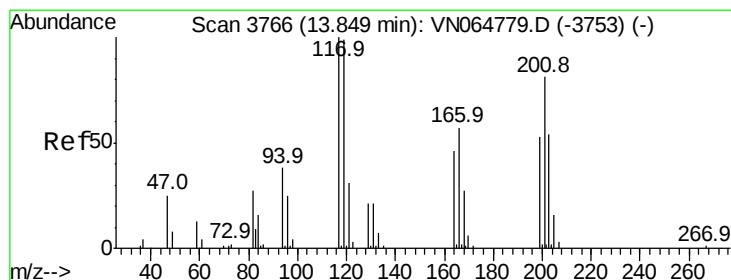
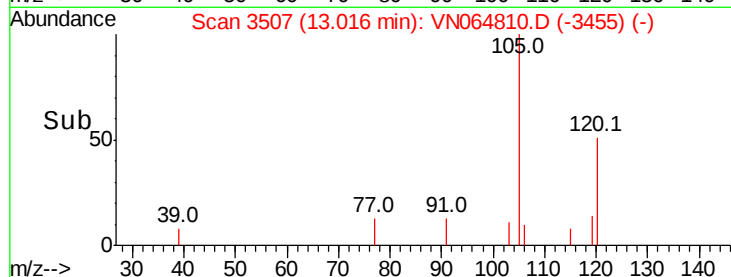
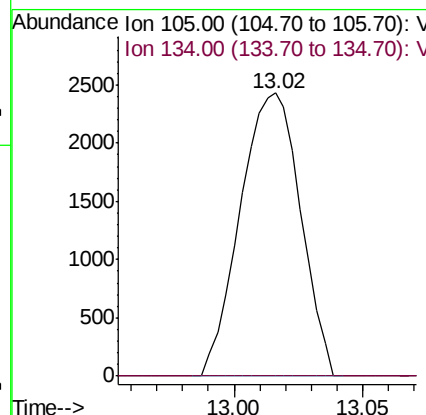
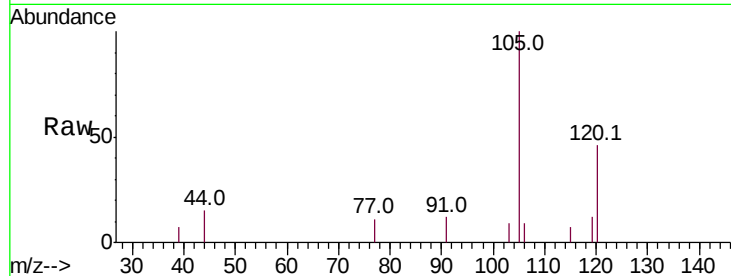




#85
 sec-Butylbenzene
 Concen: 0.413 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. -0.13 min
 Lab File: VN064810.D
 Acq: 24 Nov 2020 15:03

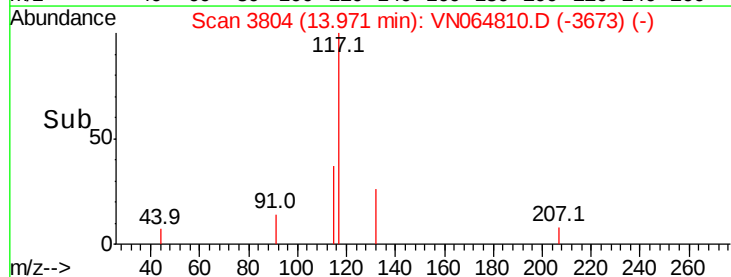
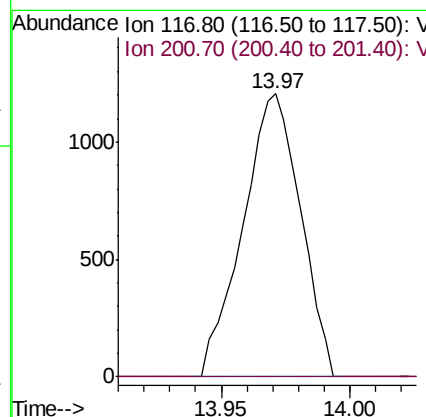
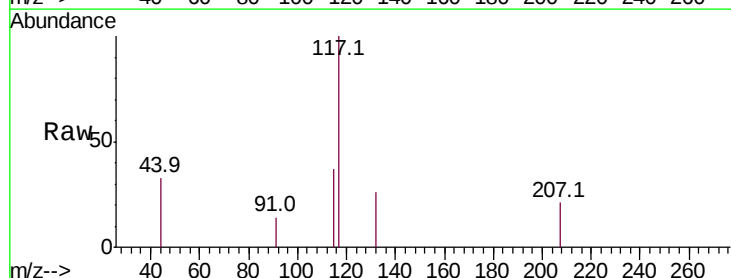
Instrument :
 MSVOA_N
 ClientSampled :
 MW-13D

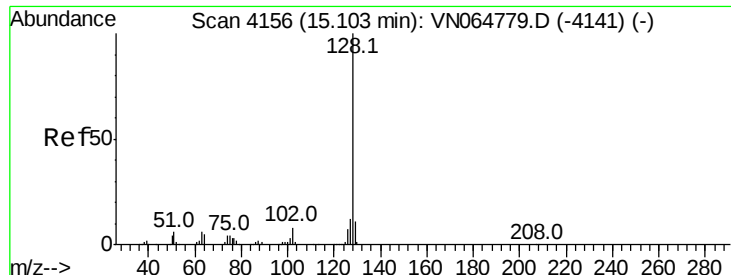
Tot Ion:105 Resp: 3957
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.1#



#90
 Hexachloroethane
 Concen: 1.243 ug/l
 RT: 13.97 min Scan# 3804
 Delta R.T. 0.12 min
 Lab File: VN064810.D
 Acq: 24 Nov 2020 15:03

Tgt Ion:117 Resp: 1885
 Ion Ratio Lower Upper
 117 100
 201 0.0 40.1 120.3#





#95

Naphthalene

Concen: 4.420 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064810.D

Acq: 24 Nov 2020 15:03

Instrument :

MSVOA_N

ClientSampleId :

MW-13D

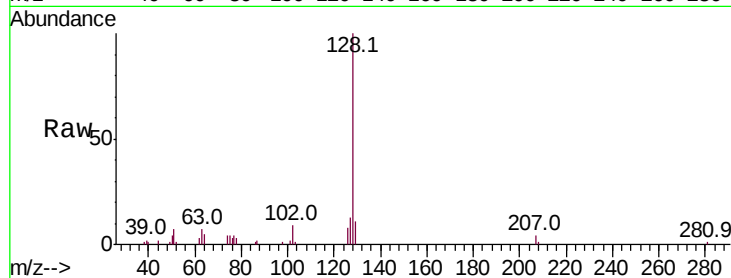
Tot Ion:128 Resp: 39942

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

129 10.4 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

