

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082622\
 Data File : VN074145.D
 Acq On : 26 Aug 2022 19:03
 Operator : JC\MD
 Sample : N4297-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

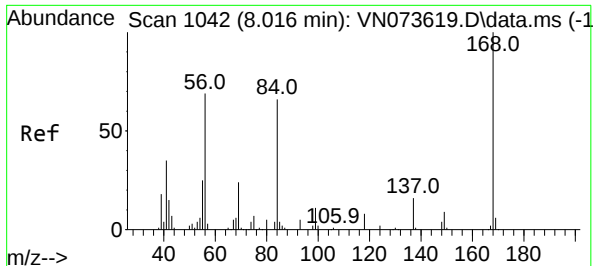
Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D1-20220820

Quant Time: Aug 27 00:22:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 26 06:44:47 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.022	168	607673	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	914408	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	766945	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	327912	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	316918	53.545	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.100%			
35) Dibromofluoromethane	7.951	113	280271	51.828	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.660%			
50) Toluene-d8	10.380	98	1016641	48.542	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.080%			
62) 4-Bromofluorobenzene	12.674	95	312751	44.995	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 89.980%			
Target Compounds					Qvalue	
5) Bromomethane	2.834	94	971	0.226	ug/l	85
12) 1,1-Dichloroethene	4.116	96	22506	4.693	ug/l	92
16) Acetone	4.234	43	3704	1.326	ug/l	93
18) Methyl Acetate	4.798	43	2800	Below Cal	#	85
19) Methyl tert-butyl Ether	5.534	73	7493	0.434	ug/l	99
24) 1,1-Dichloroethane	6.310	63	122279	13.044	ug/l	97
27) cis-1,2-Dichloroethene	7.251	96	2665	0.409	ug/l	93
30) Chloroform	7.745	83	7237	0.690	ug/l	91
31) Cyclohexane	8.022	56	10331	1.252	ug/l #	10
32) 1,1,1-Trichloroethane	7.939	97	17868	1.922	ug/l	99
36) 1,1-Dichloropropene	8.022	75	40702	5.419	ug/l #	49
38) Carbon Tetrachloride	8.016	117	54033	6.294	ug/l #	17
44) Trichloroethene	9.151	130	29032	4.240	ug/l	97
49) 1,4-Dioxane	9.510	88	613	3.716	ug/l #	45
60) Dibromochloromethane	10.916	129	5339	0.763	ug/l #	11
64) Tetrachloroethene	10.916	164	6370	1.052	ug/l	92
76) 1,2,3-Trichloropropane	12.674	75	156395	22.947	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	156395	65.264	ug/l #	10

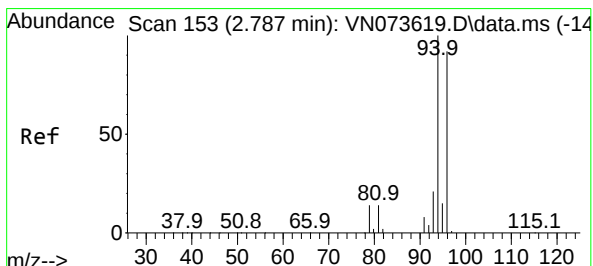
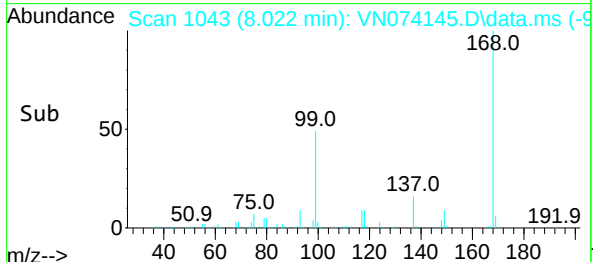
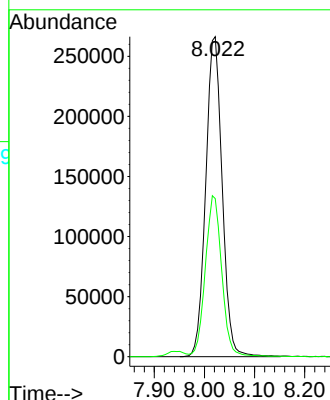
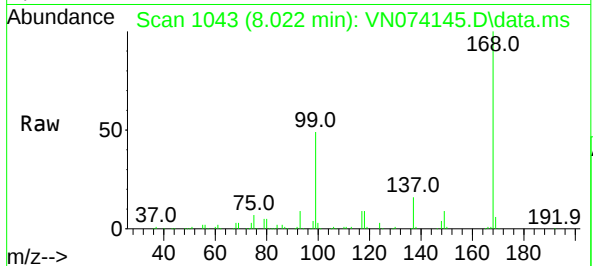
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN074145.D
Acq: 26 Aug 2022 19:03

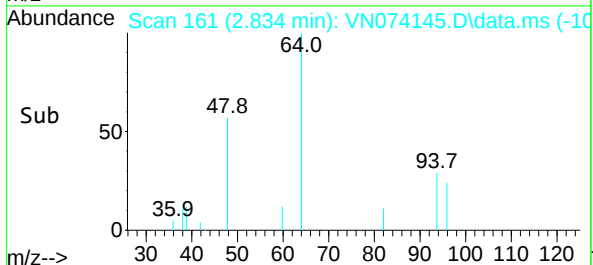
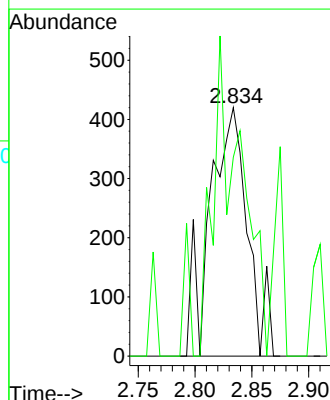
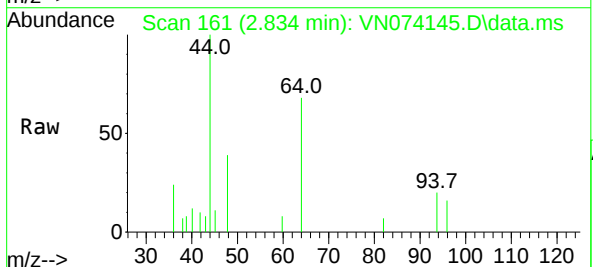
Instrument :
MSVOA_N
ClientSampleId :
MW203D1-20220820

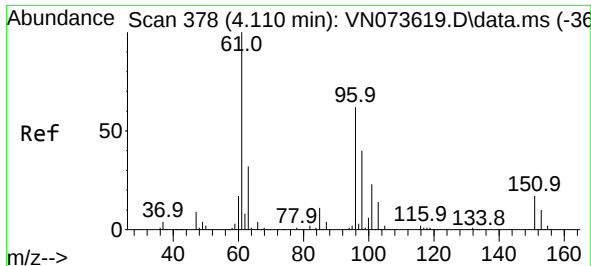
Tgt Ion:168 Resp: 607673
Ion Ratio Lower Upper
168 100
99 49.3 42.3 63.5



#5
Bromomethane
Concen: 0.226 ug/l
RT: 2.834 min Scan# 161
Delta R.T. 0.047 min
Lab File: VN074145.D
Acq: 26 Aug 2022 19:03

Tgt Ion: 94 Resp: 971
Ion Ratio Lower Upper
94 100
96 80.0 76.0 114.0





#12

1,1-Dichloroethene

Concen: 4.693 ug/l

RT: 4.116 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN074145.D

Acq: 26 Aug 2022 19:03

Instrument :

MSVOA_N

ClientSampleId :

MW203D1-20220820

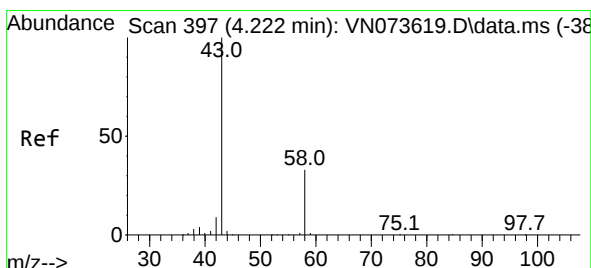
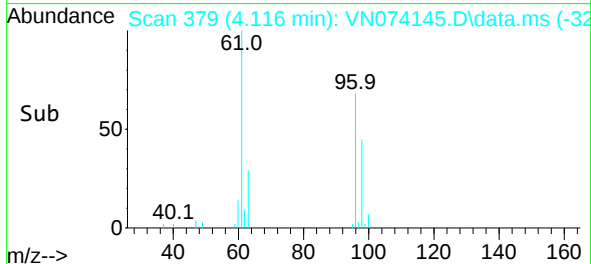
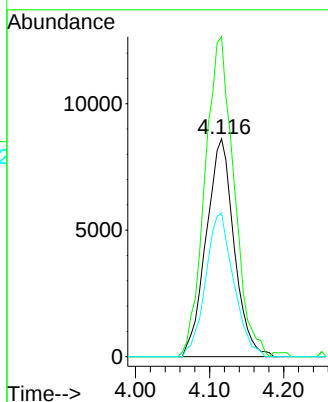
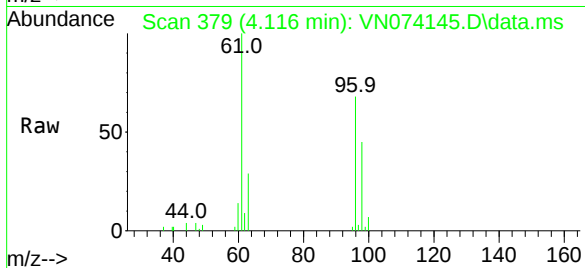
Tgt Ion: 96 Resp: 22506

Ion Ratio Lower Upper

96 100

61 146.9 127.6 191.4

98 66.0 51.2 76.8



#16

Acetone

Concen: 1.326 ug/l

RT: 4.234 min Scan# 399

Delta R.T. 0.012 min

Lab File: VN074145.D

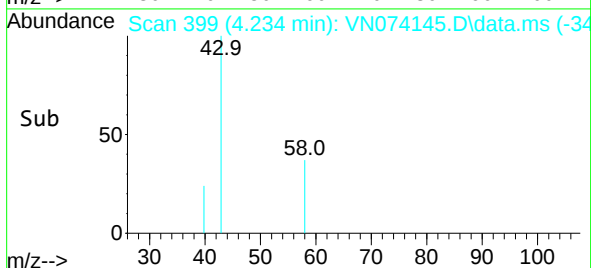
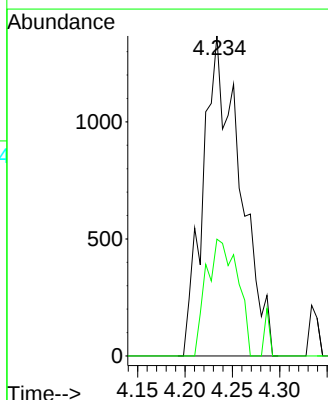
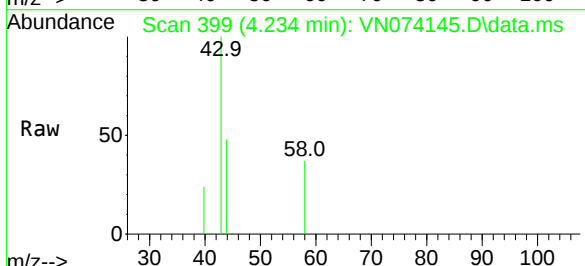
Acq: 26 Aug 2022 19:03

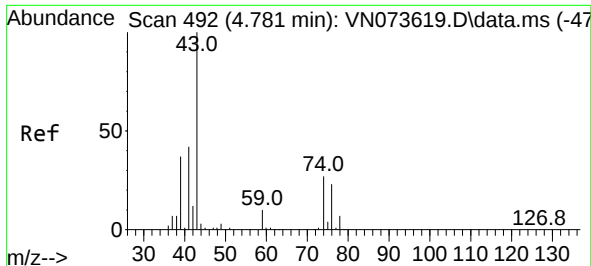
Tgt Ion: 43 Resp: 3704

Ion Ratio Lower Upper

43 100

58 36.5 26.0 39.0

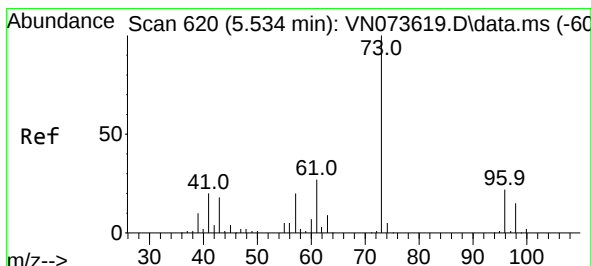
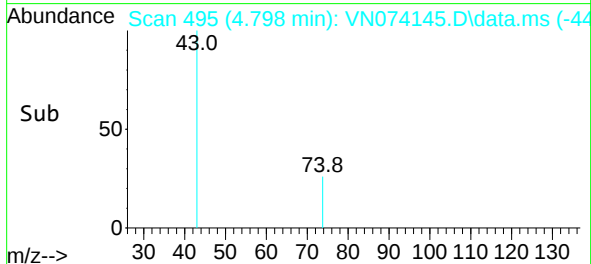
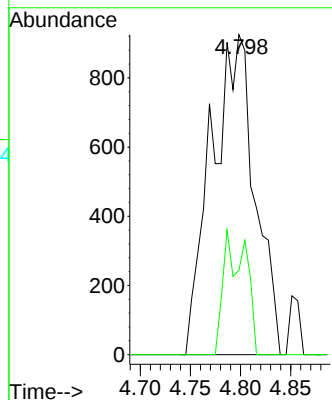
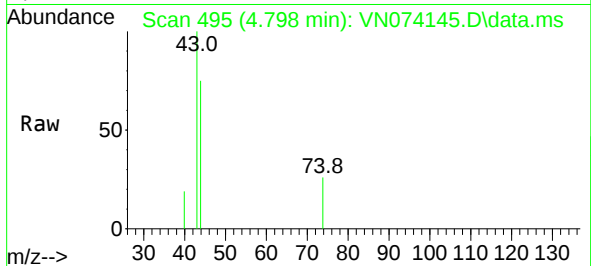




#18
Methyl Acetate
Concen: Below Cal
RT: 4.798 min Scan# 495
Delta R.T. 0.017 min
Lab File: VN074145.D
Acq: 26 Aug 2022 19:03

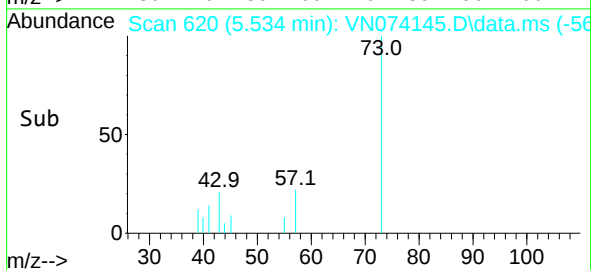
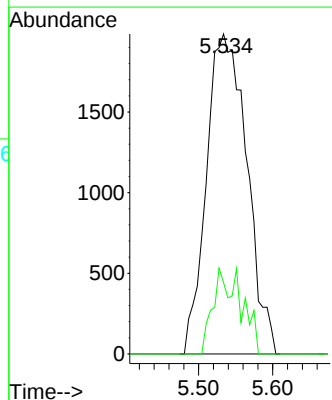
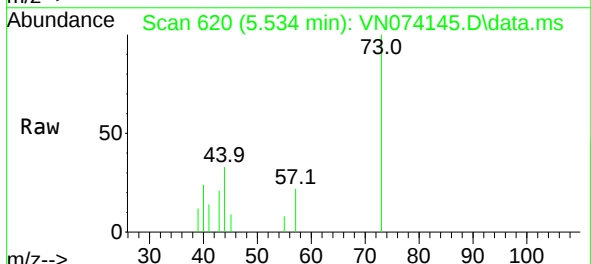
Instrument :
MSVOA_N
ClientSampleId :
MW203D1-20220820

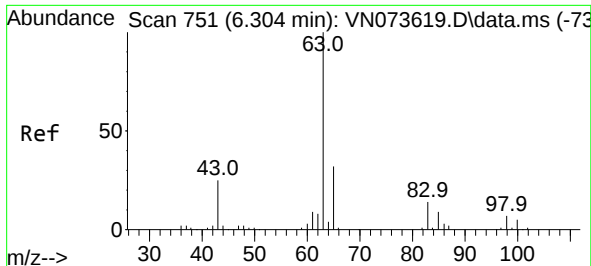
Tgt Ion: 43 Resp: 2800
Ion Ratio Lower Upper
43 100
74 19.4 21.6 32.4#



#19
Methyl tert-butyl Ether
Concen: 0.434 ug/l
RT: 5.534 min Scan# 620
Delta R.T. -0.000 min
Lab File: VN074145.D
Acq: 26 Aug 2022 19:03

Tgt Ion: 73 Resp: 7493
Ion Ratio Lower Upper
73 100
57 22.3 17.6 26.4

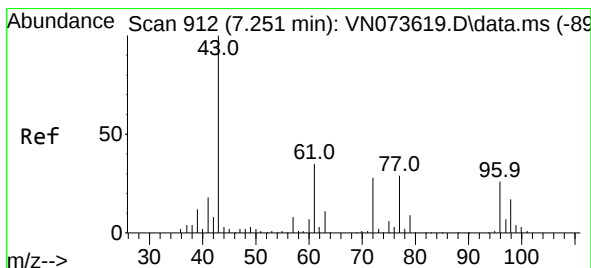
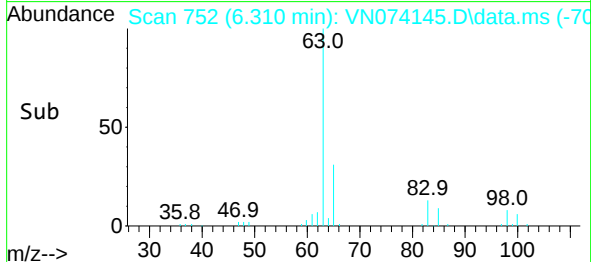
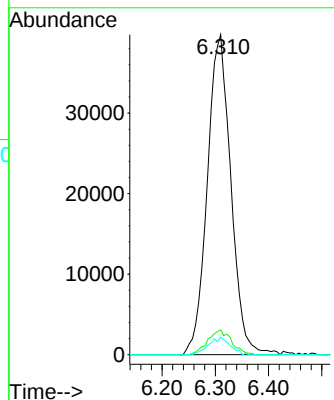
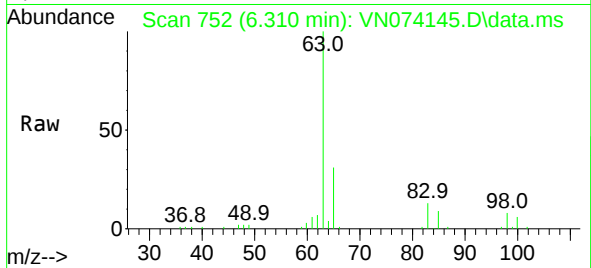




#24
 1,1-Dichloroethane
 Concen: 13.044 ug/l
 RT: 6.310 min Scan# 751
 Delta R.T. 0.006 min
 Lab File: VN074145.D
 Acq: 26 Aug 2022 19:03

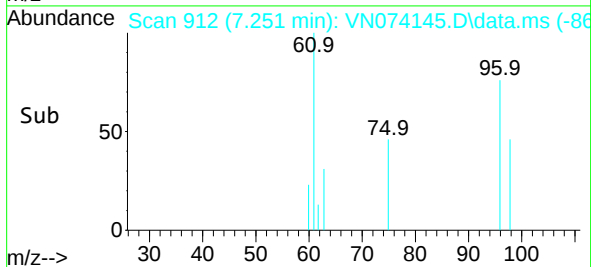
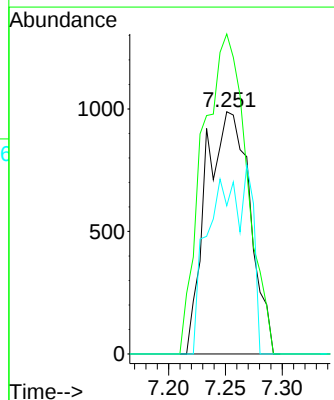
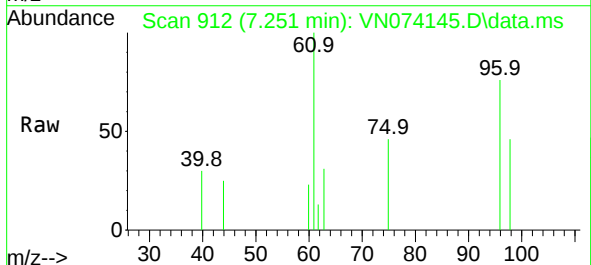
Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D1-20220820

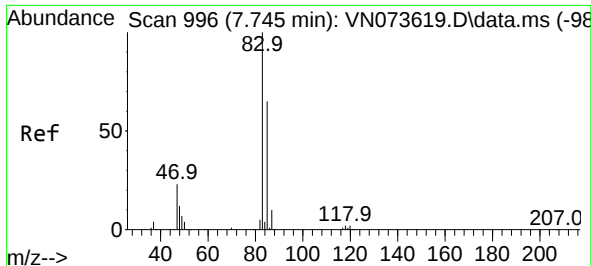
Tgt Ion: 63 Resp: 122279
 Ion Ratio Lower Upper
 63 100
 98 7.8 3.5 10.4
 100 5.5 2.3 6.8



#27
 cis-1,2-Dichloroethene
 Concen: 0.409 ug/l
 RT: 7.251 min Scan# 912
 Delta R.T. 0.000 min
 Lab File: VN074145.D
 Acq: 26 Aug 2022 19:03

Tgt Ion: 96 Resp: 2665
 Ion Ratio Lower Upper
 96 100
 61 132.6 0.0 280.6
 98 71.6 0.0 128.4

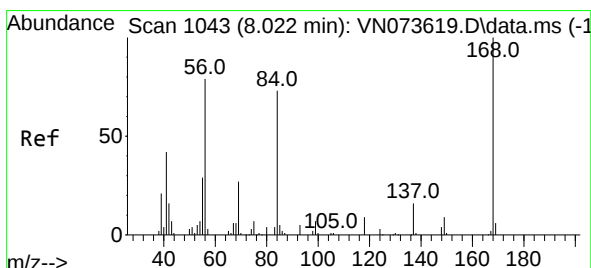
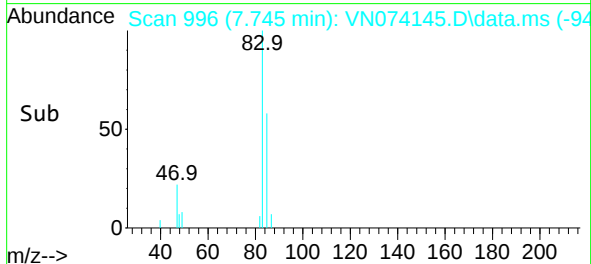
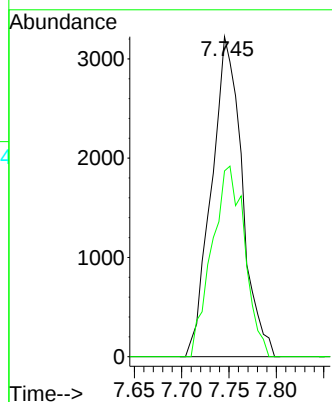
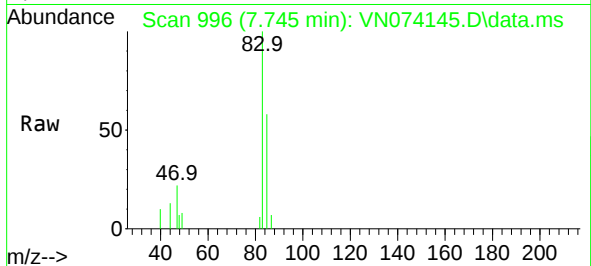




#30
Chloroform
Concen: 0.690 ug/l
RT: 7.745 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN074145.D
Acq: 26 Aug 2022 19:03

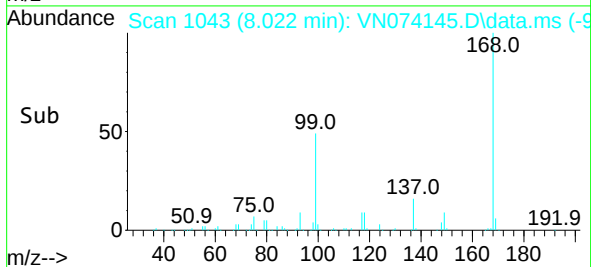
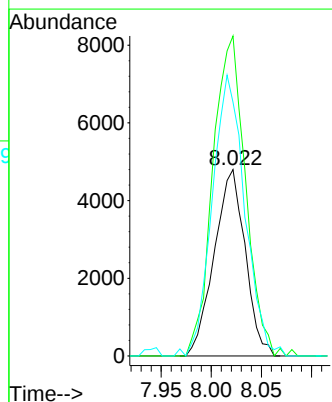
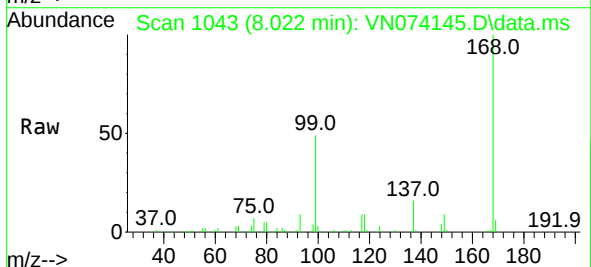
Instrument :
MSVOA_N
ClientSampleId :
MW203D1-20220820

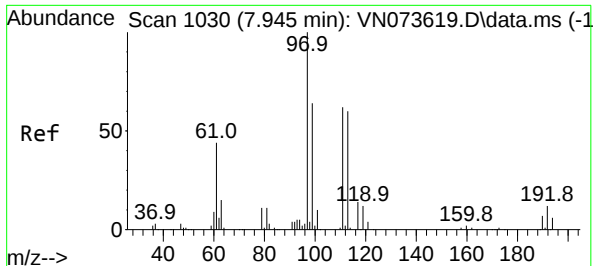
Tgt Ion: 83 Resp: 7237
Ion Ratio Lower Upper
83 100
85 58.0 51.8 77.8



#31
Cyclohexane
Concen: 1.252 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VN074145.D
Acq: 26 Aug 2022 19:03

Tgt Ion: 56 Resp: 10331
Ion Ratio Lower Upper
56 100
69 171.7 27.8 41.8#
84 132.4 76.9 115.3#





#32

1,1,1-Trichloroethane

Concen: 1.922 ug/l

RT: 7.939 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VN074145.D

Acq: 26 Aug 2022 19:03

Instrument :

MSVOA_N

ClientSampleId :

MW203D1-20220820

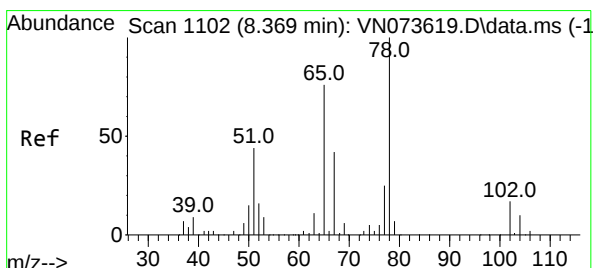
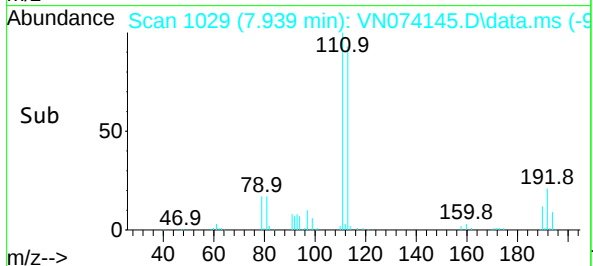
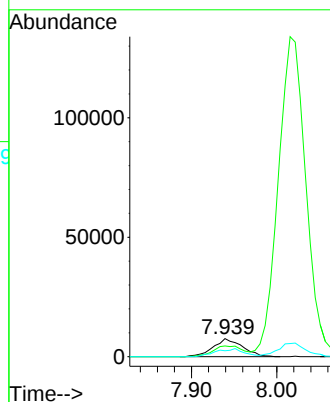
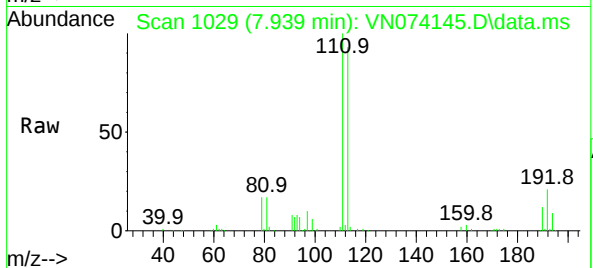
Tgt Ion: 97 Resp: 17868

Ion Ratio Lower Upper

97 100

99 62.5 50.6 76.0

61 43.7 36.0 54.0



#33

1,2-Dichloroethane-d4

Concen: 53.545 ug/l

RT: 8.375 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VN074145.D

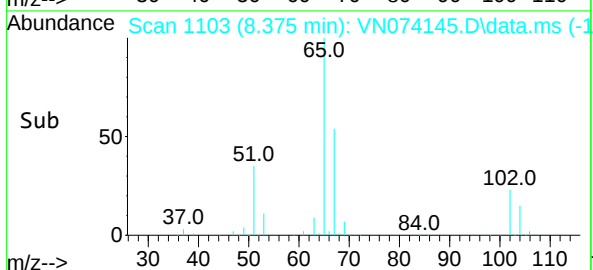
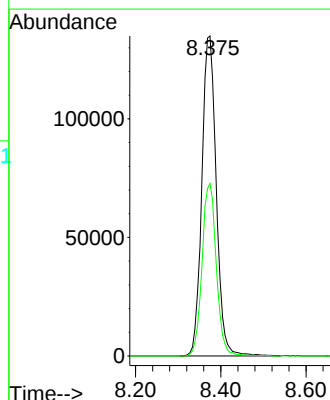
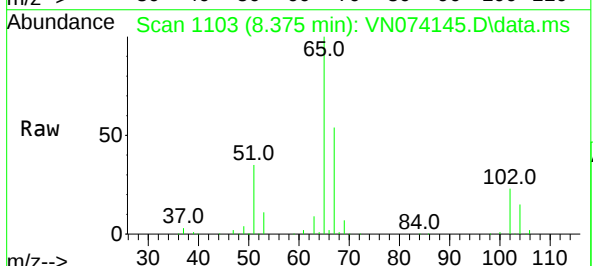
Acq: 26 Aug 2022 19:03

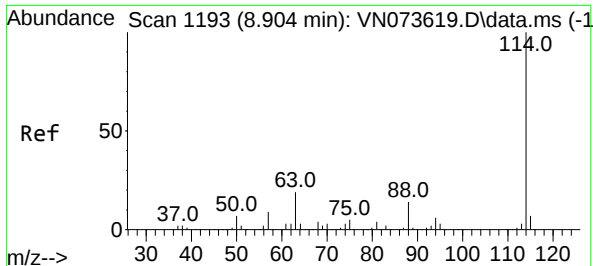
Tgt Ion: 65 Resp: 316918

Ion Ratio Lower Upper

65 100

67 53.3 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VN074145.D

Acq: 26 Aug 2022 19:03

Instrument :

MSVOA_N

ClientSampleId :

MW203D1-20220820

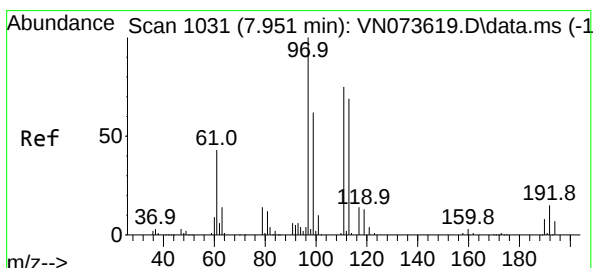
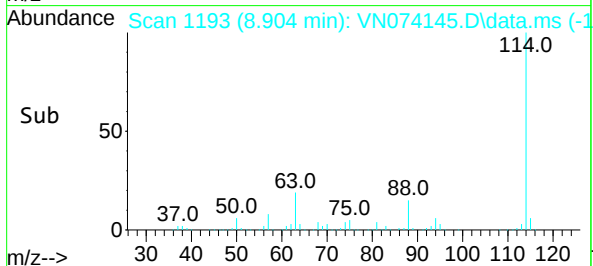
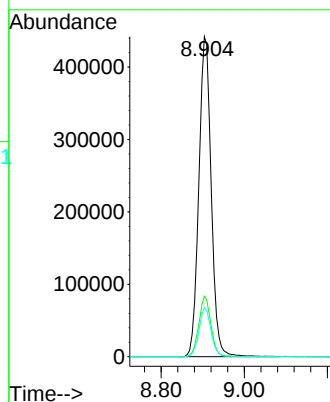
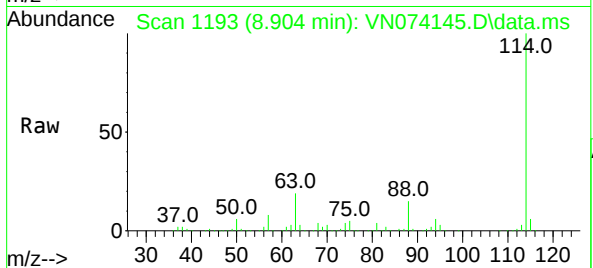
Tgt Ion:114 Resp: 914408

Ion Ratio Lower Upper

114 100

63 18.9 0.0 40.0

88 15.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.828 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074145.D

Acq: 26 Aug 2022 19:03

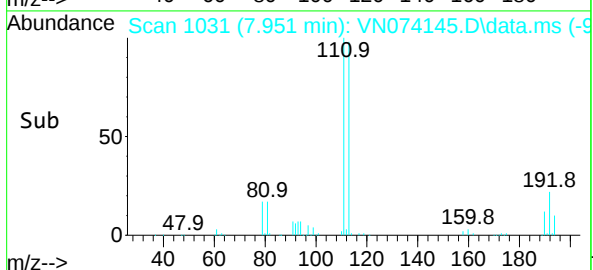
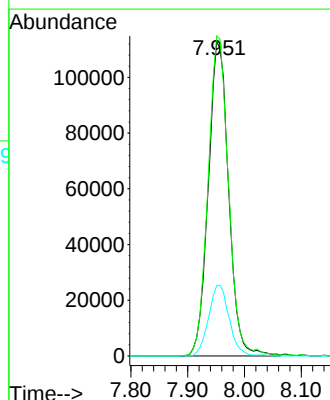
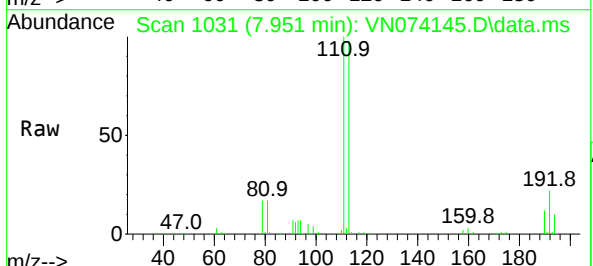
Tgt Ion:113 Resp: 280271

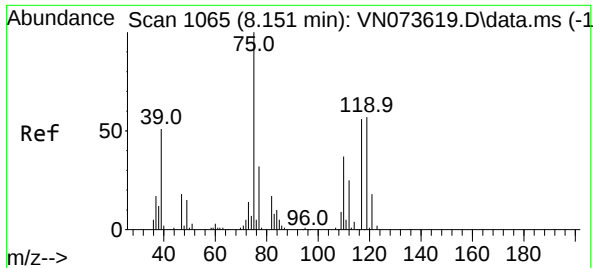
Ion Ratio Lower Upper

113 100

111 102.4 81.4 122.0

192 22.8 17.0 25.6

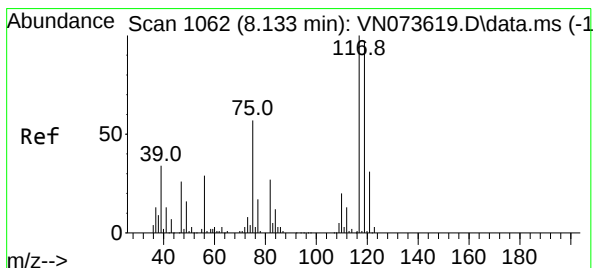
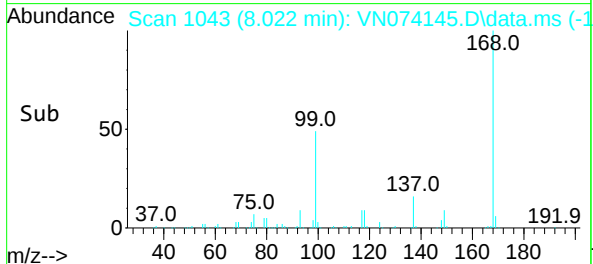
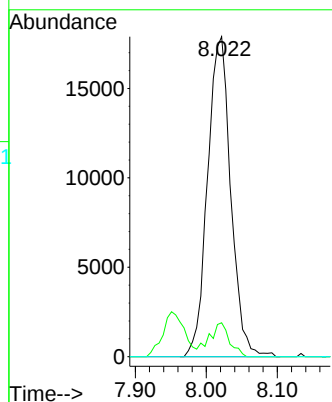
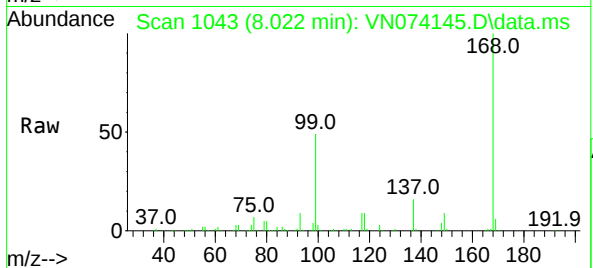




#36
1,1-Dichloropropene
Concen: 5.419 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.129 min
Lab File: VN074145.D
Acq: 26 Aug 2022 19:03

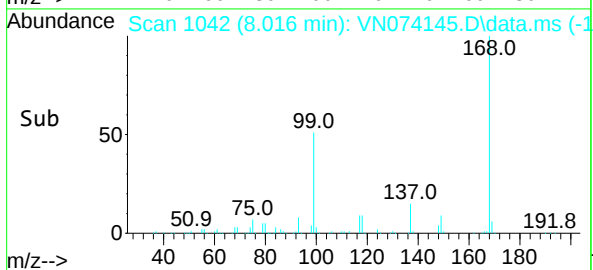
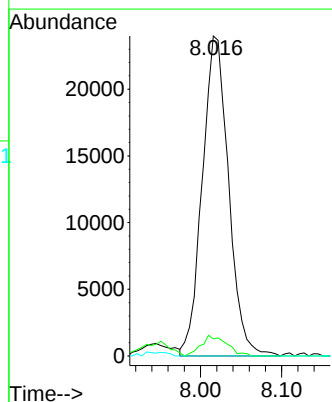
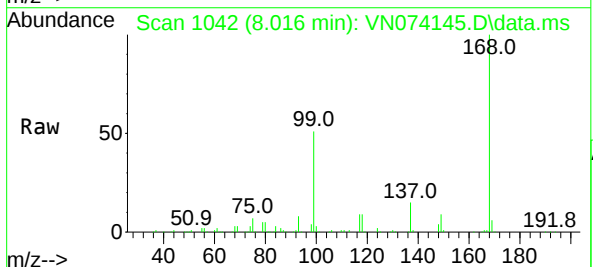
Instrument :
MSVOA_N
ClientSampleId :
MW203D1-20220820

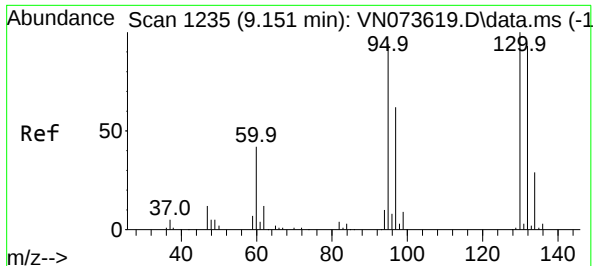
Tgt Ion: 75 Resp: 40702
Ion Ratio Lower Upper
75 100
110 9.2 18.3 54.8#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 6.294 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.117 min
Lab File: VN074145.D
Acq: 26 Aug 2022 19:03

Tgt Ion: 117 Resp: 54033
Ion Ratio Lower Upper
117 100
119 5.4 75.8 113.8#
121 0.0 24.6 37.0#

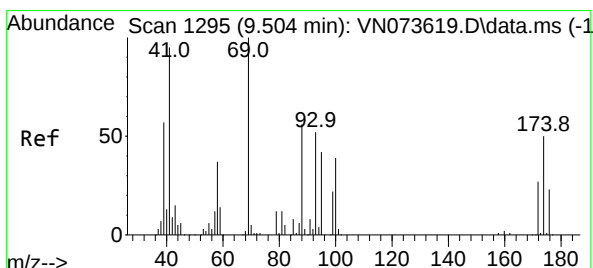
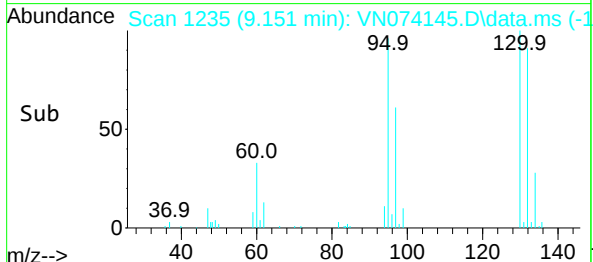
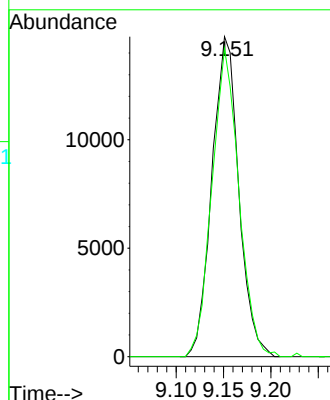
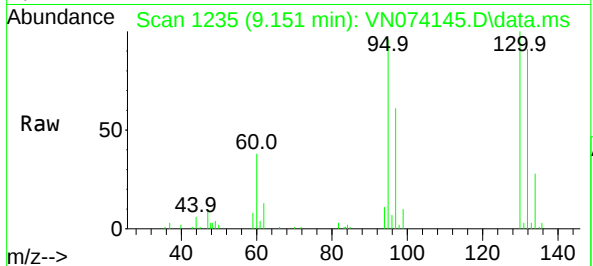




#44
Trichloroethene
Concen: 4.240 ug/l
RT: 9.151 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN074145.D
Acq: 26 Aug 2022 19:03

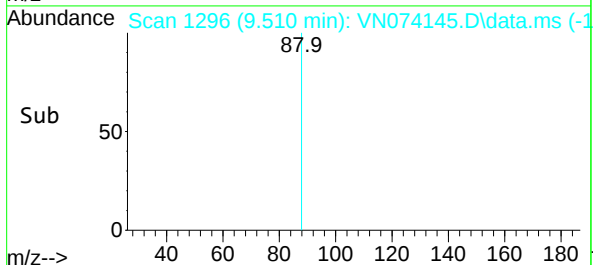
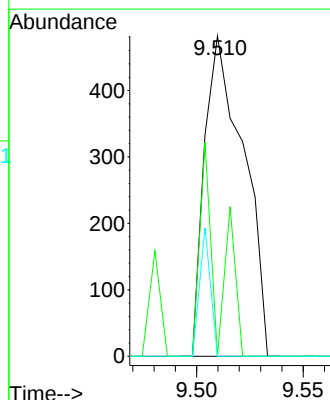
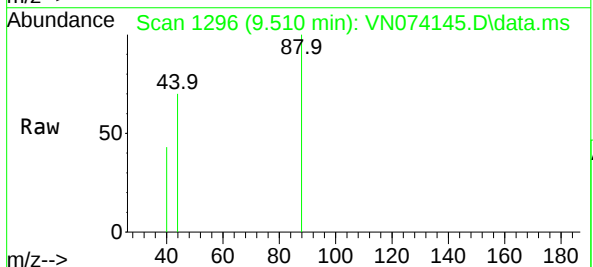
Instrument :
MSVOA_N
ClientSampleId :
MW203D1-20220820

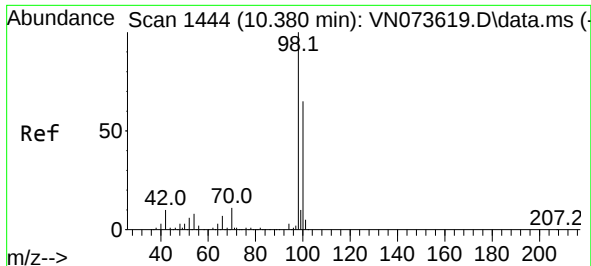
Tgt Ion:130 Resp: 29032
Ion Ratio Lower Upper
130 100
95 96.4 0.0 186.8



#49
1,4-Dioxane
Concen: 3.716 ug/l
RT: 9.510 min Scan# 1296
Delta R.T. 0.006 min
Lab File: VN074145.D
Acq: 26 Aug 2022 19:03

Tgt Ion: 88 Resp: 613
Ion Ratio Lower Upper
88 100
43 31.5 20.2 30.4#
58 11.1 54.2 81.4#

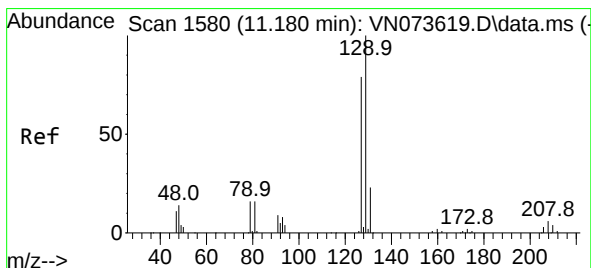
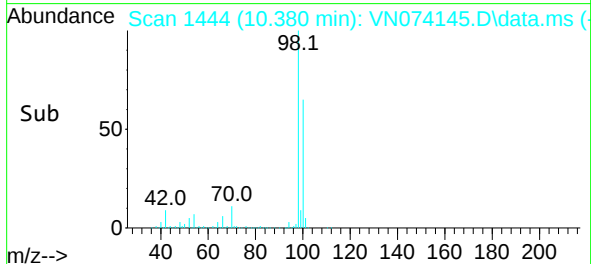
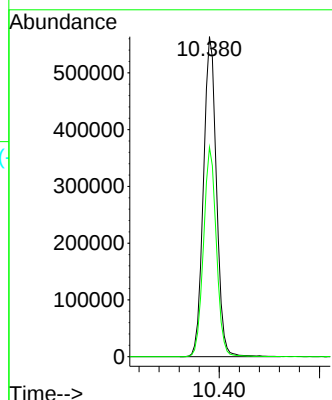
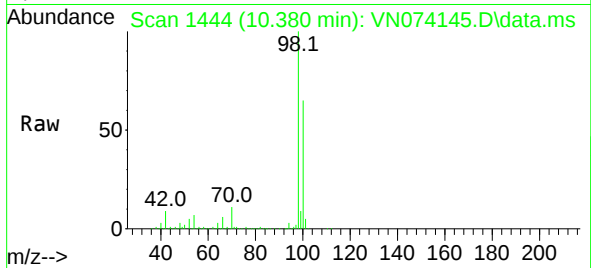




#50
Toluene-d8
Concen: 48.542 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074145.D
Acq: 26 Aug 2022 19:03

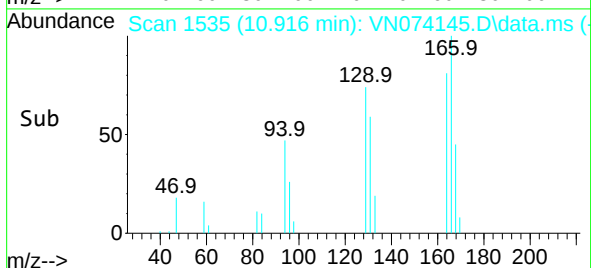
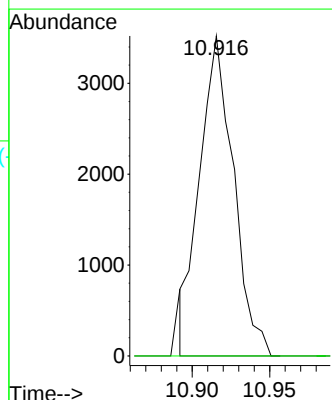
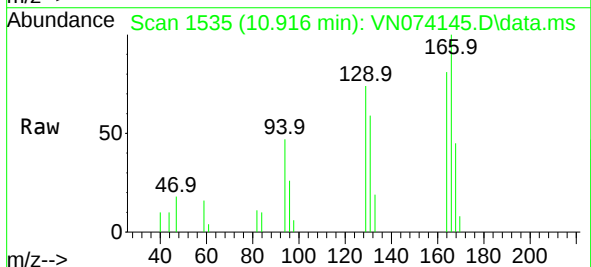
Instrument :
MSVOA_N
ClientSampleId :
MW203D1-20220820

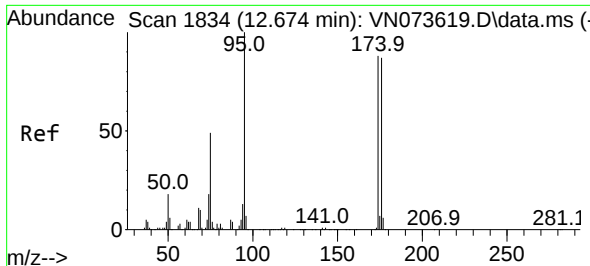
Tgt Ion: 98 Resp: 1016641
Ion Ratio Lower Upper
98 100
100 64.7 52.6 78.8



#60
Dibromochloromethane
Concen: 0.763 ug/l
RT: 10.916 min Scan# 1535
Delta R.T. -0.264 min
Lab File: VN074145.D
Acq: 26 Aug 2022 19:03

Tgt Ion:129 Resp: 5339
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

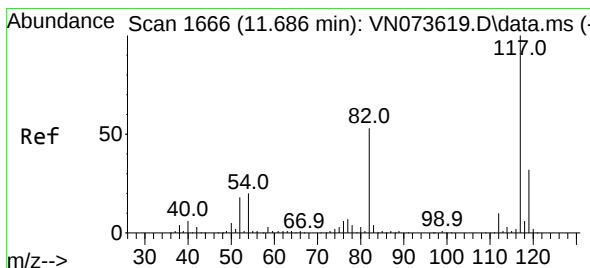
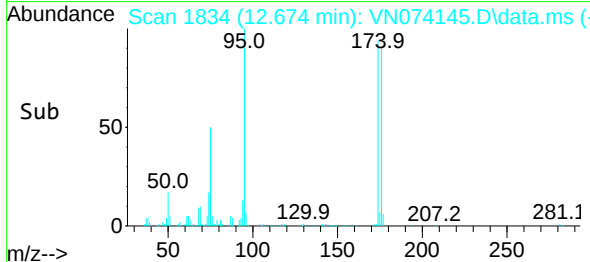
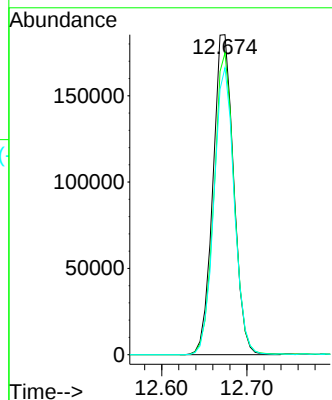
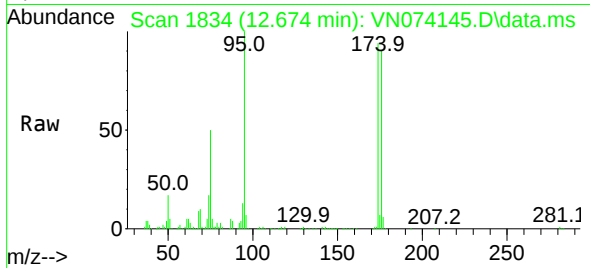




#62
4-Bromofluorobenzene
Concen: 44.995 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074145.D
Acq: 26 Aug 2022 19:03

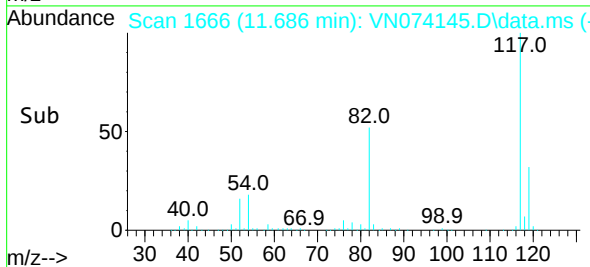
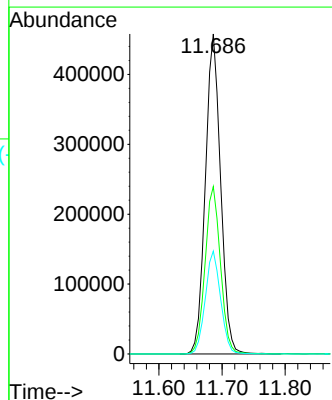
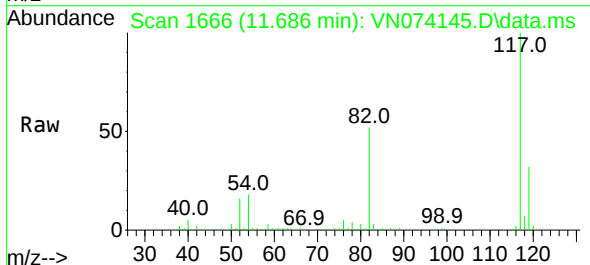
Instrument :
MSVOA_N
ClientSampleId :
MW203D1-20220820

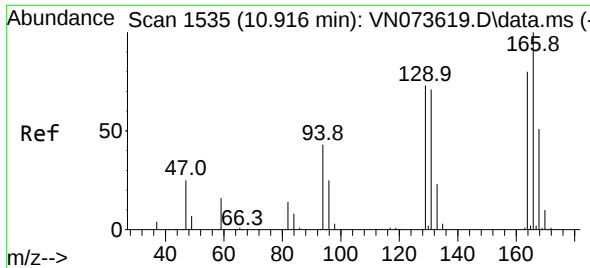
Tgt Ion: 95 Resp: 312751
Ion Ratio Lower Upper
95 100
174 91.8 0.0 167.6
176 88.0 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074145.D
Acq: 26 Aug 2022 19:03

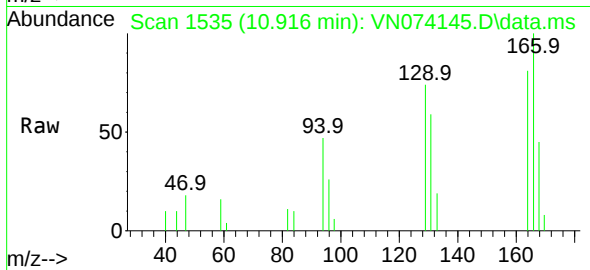
Tgt Ion: 117 Resp: 766945
Ion Ratio Lower Upper
117 100
82 52.3 44.2 66.2
119 32.1 25.4 38.0



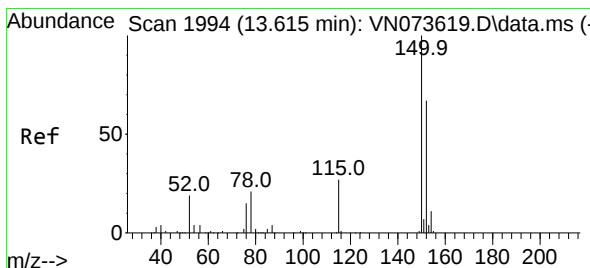
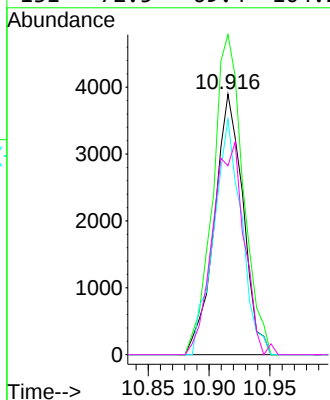
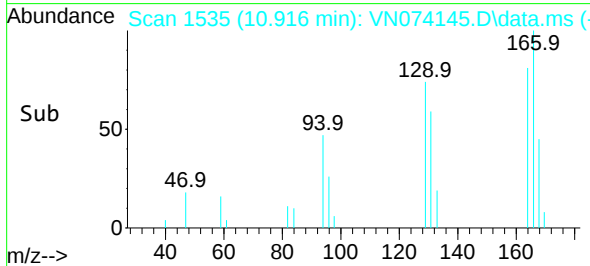


#64
Tetrachloroethene
Concen: 1.052 ug/l
RT: 10.916 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN074145.D
Acq: 26 Aug 2022 19:03

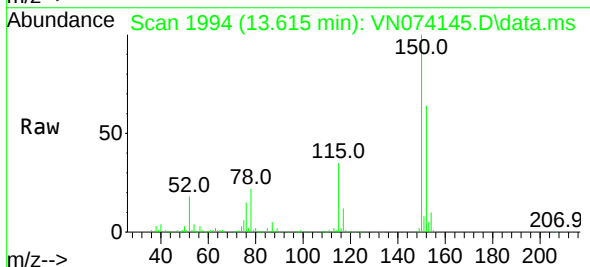
Instrument :
MSVOA_N
ClientSampleId :
MW203D1-20220820



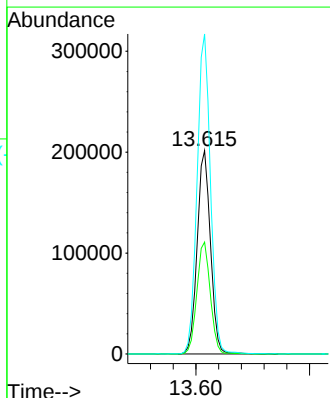
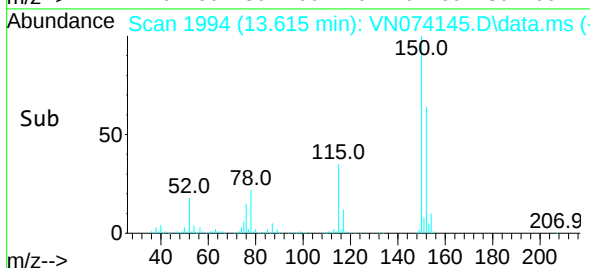
Tgt Ion:164 Resp: 6370
Ion Ratio Lower Upper
164 100
166 122.8 104.2 156.2
129 90.3 73.9 110.9
131 72.5 69.4 104.2

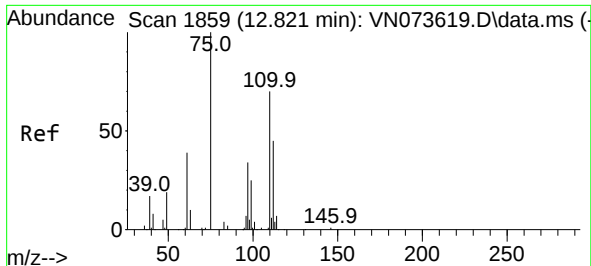


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN074145.D
Acq: 26 Aug 2022 19:03



Tgt Ion:152 Resp: 327912
Ion Ratio Lower Upper
152 100
115 55.8 28.9 86.7
150 158.6 0.0 356.2

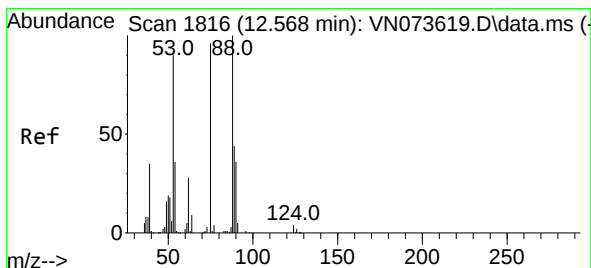
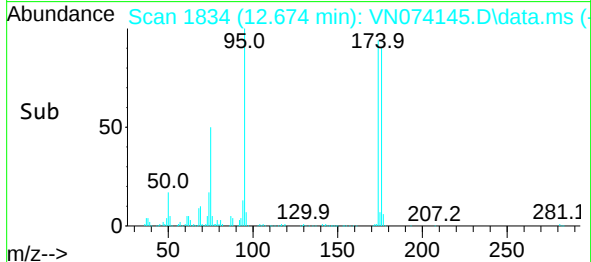
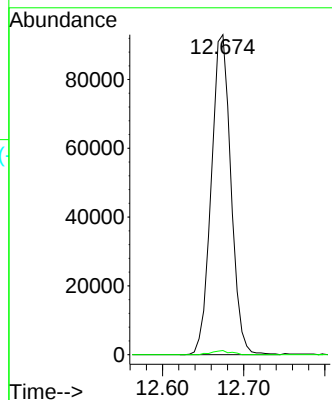
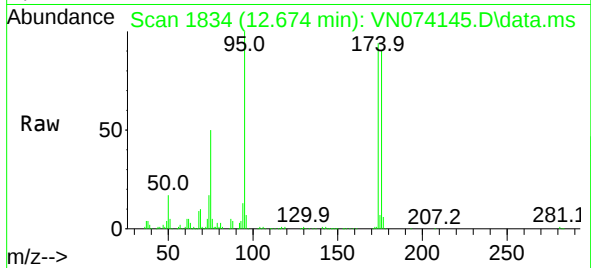




#76
1,2,3-Trichloropropane
Concen: 22.947 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074145.D
Acq: 26 Aug 2022 19:03

Instrument :
MSVOA_N
ClientSampleId :
MW203D1-20220820

Tgt Ion: 75 Resp: 156395
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.264 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN074145.D
Acq: 26 Aug 2022 19:03

Tgt Ion: 75 Resp: 156395
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

