

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082622\
 Data File : VN074141.D
 Acq On : 26 Aug 2022 17:23
 Operator : JC\MD
 Sample : N4297-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW305D-20220820

Quant Time: Aug 27 00:21:46 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)

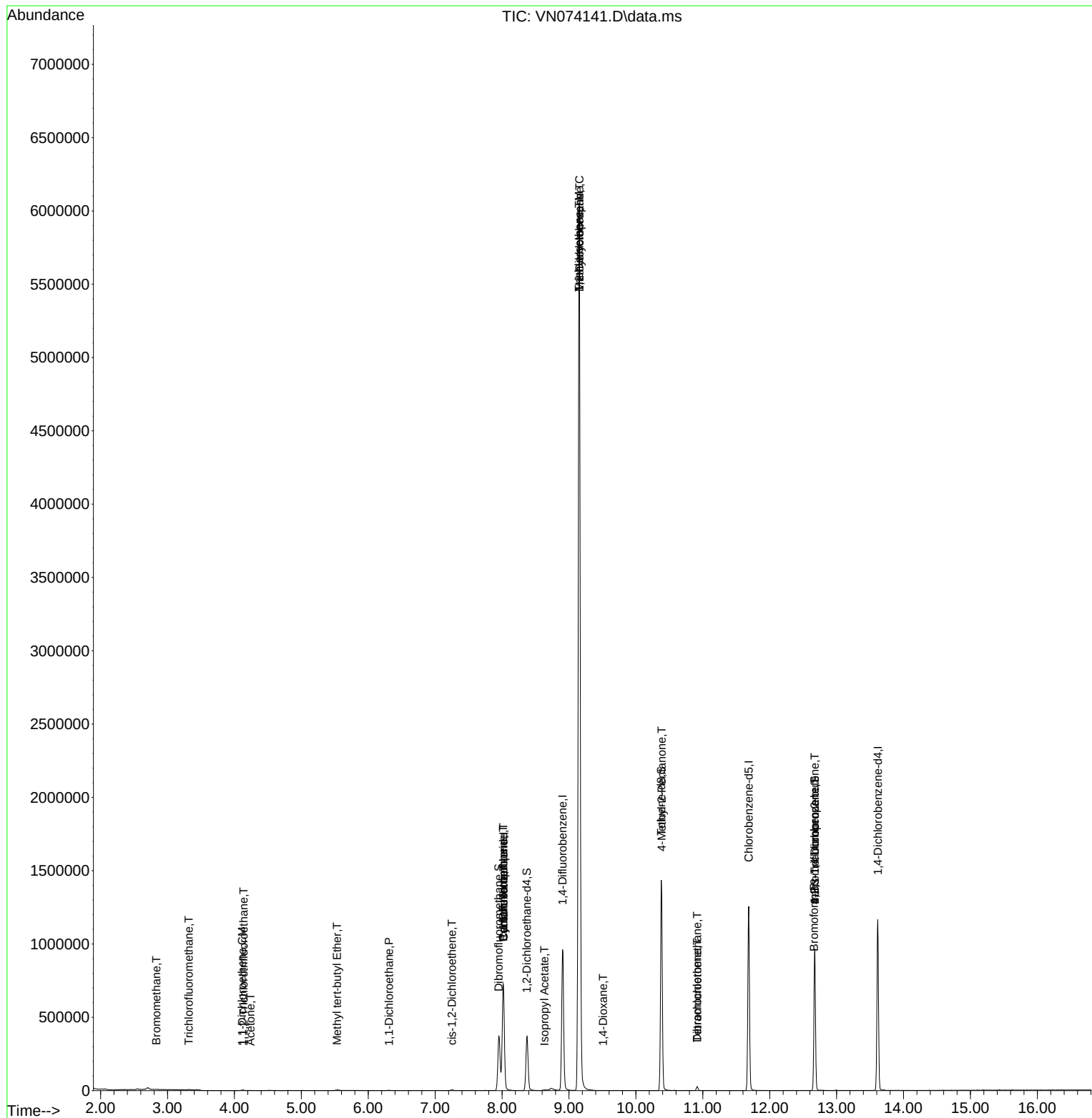
Internal Standards						
1) Pentafluorobenzene	8.022	168	607599	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	909604	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	768569	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	339139	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	311379	52.616	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.240%			
35) Dibromofluoromethane	7.951	113	277697	51.623	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.240%			
50) Toluene-d8	10.380	98	1030613	49.469	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.940%			
62) 4-Bromofluorobenzene	12.674	95	320102	46.296	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.600%			
Target Compounds						Qvalue
5) Bromomethane	2.834	94	1414	0.329	ug/l	83
7) Trichlorofluoromethane	3.316	101	2716	0.306	ug/l #	68
9) 1,1,2-Trichlorotrifluo...	4.140	101	1653	0.321	ug/l	92
12) 1,1-Dichloroethene	4.116	96	2199	0.459	ug/l	88
16) Acetone	4.240	43	3159	1.131	ug/l	95
18) Methyl Acetate	4.810	43	2386	Below Cal	#	69
19) Methyl tert-butyl Ether	5.534	73	6436	0.373	ug/l	95
24) 1,1-Dichloroethane	6.310	63	2122	0.226	ug/l #	87
27) cis-1,2-Dichloroethene	7.251	96	3008	0.461	ug/l	91
31) Cyclohexane	8.022	56	9974	1.209	ug/l #	1
36) 1,1-Dichloropropene	8.016	75	40540	5.426	ug/l #	48
38) Carbon Tetrachloride	8.022	117	54409	6.371	ug/l #	16
39) Methylcyclohexane	9.157	83	27350	2.921	ug/l #	1
43) Isopropyl Acetate	8.633	43	3607	0.280	ug/l #	53
44) Trichloroethene	9.151	130	2413267	354.314	ug/l	99
45) 1,2-Dichloropropane	9.157	63	5533	0.979	ug/l #	1
49) 1,4-Dioxane	9.510	88	233	1.420	ug/l #	8
51) 4-Methyl-2-Pentanone	10.386	43	3696	0.424	ug/l #	1
60) Dibromochloromethane	10.916	129	6345	0.912	ug/l #	11
64) Tetrachloroethene	10.916	164	6805	1.122	ug/l	96
71) Bromoform	12.663	173	1209	0.219	ug/l #	1
76) 1,2,3-Trichloropropane	12.674	75	154809	21.962	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	154809	62.464	ug/l #	10

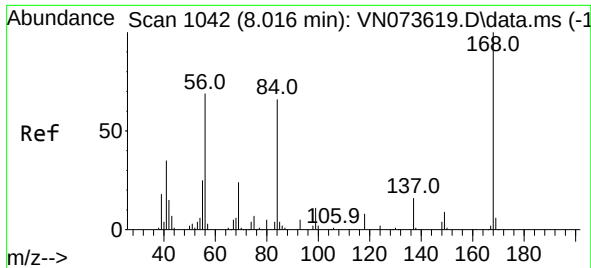
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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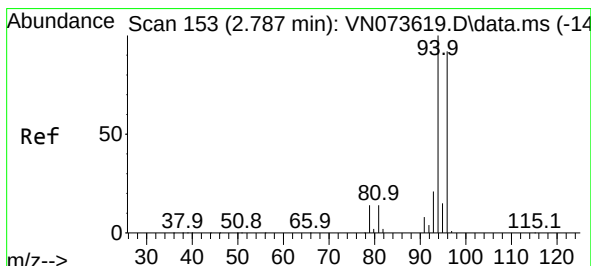
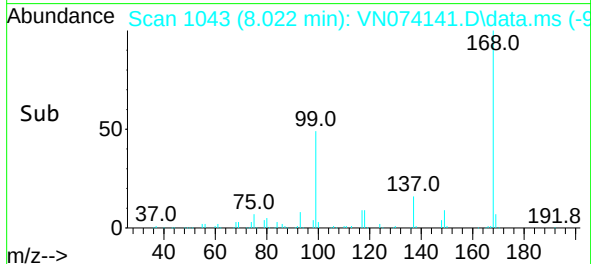
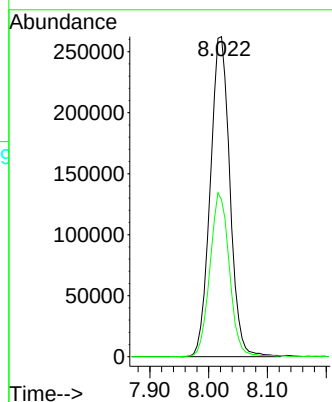
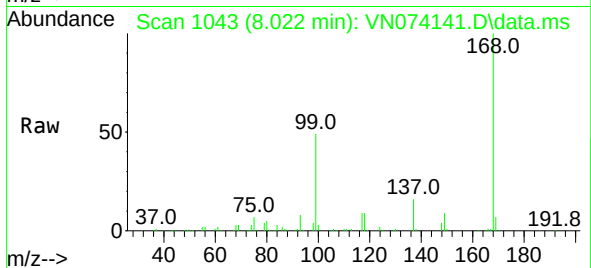




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN074141.D
Acq: 26 Aug 2022 17:23

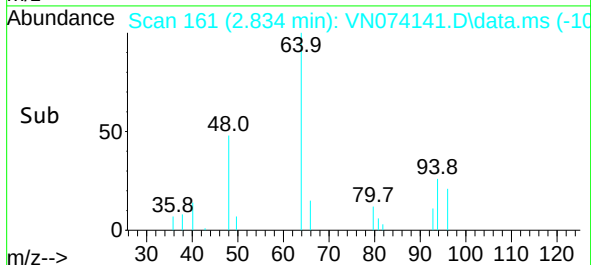
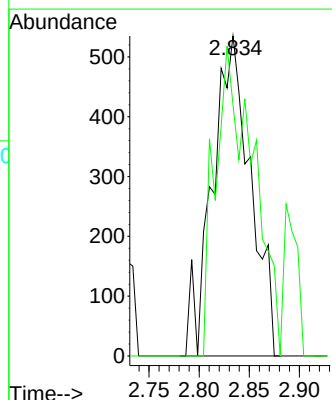
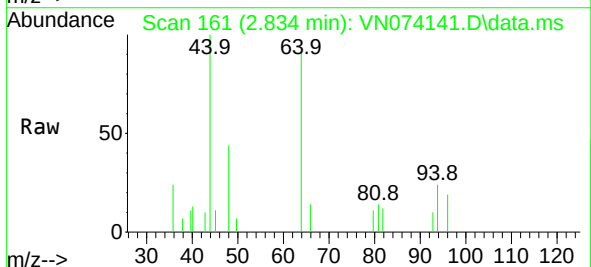
Instrument :
MSVOA_N
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MW305D-20220820

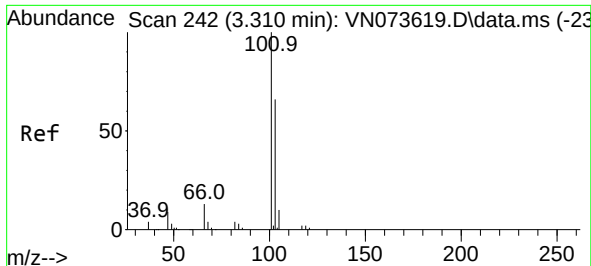
Tgt Ion:168 Resp: 607599
Ion Ratio Lower Upper
168 100
99 49.0 42.3 63.5



#5
Bromomethane
Concen: 0.329 ug/l
RT: 2.834 min Scan# 161
Delta R.T. 0.047 min
Lab File: VN074141.D
Acq: 26 Aug 2022 17:23

Tgt Ion: 94 Resp: 1414
Ion Ratio Lower Upper
94 100
96 78.5 76.0 114.0

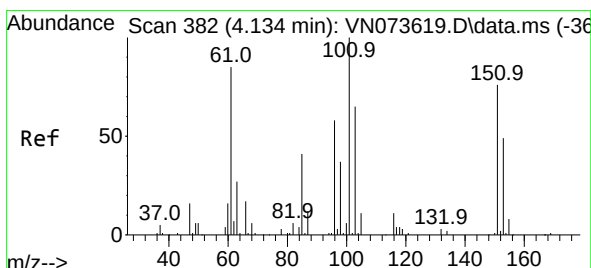
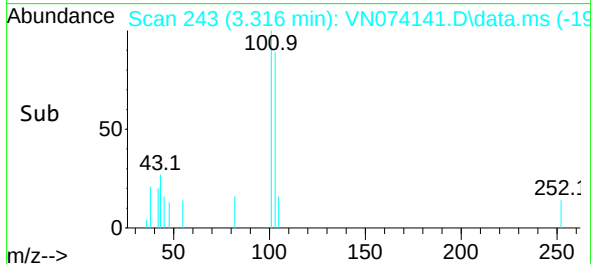
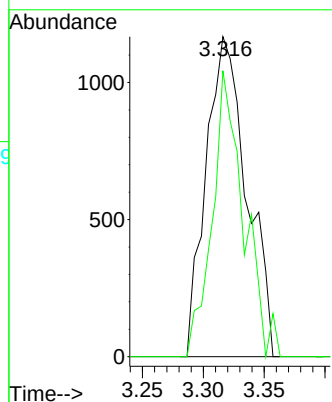
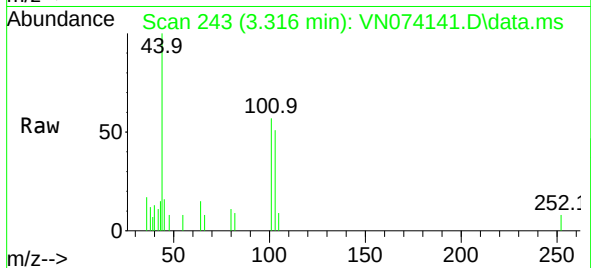




#7
 Trichlorofluoromethane
 Concen: 0.306 ug/l
 RT: 3.316 min Scan# 242
 Delta R.T. 0.006 min
 Lab File: VN074141.D
 Acq: 26 Aug 2022 17:23

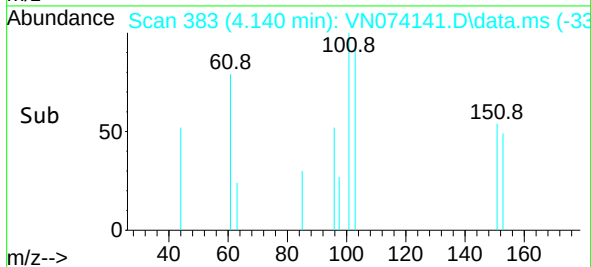
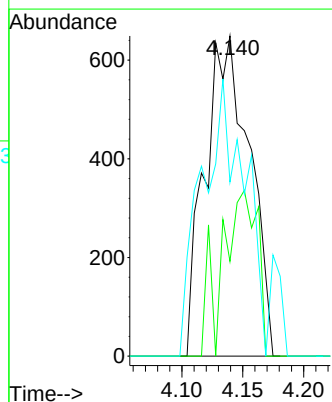
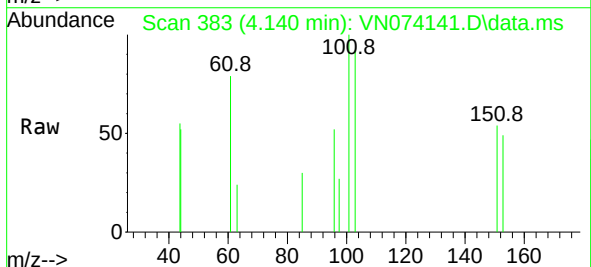
Instrument :
 MSVOA_N
 ClientSampleId :
 MW305D-20220820

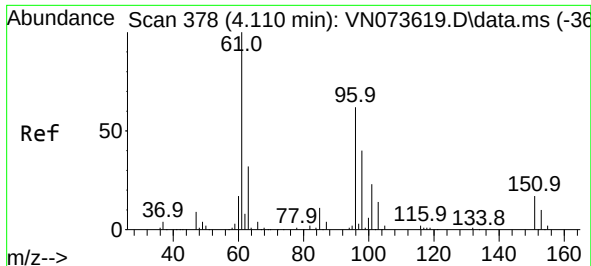
Tgt Ion:101 Resp: 2716
 Ion Ratio Lower Upper
 101 100
 103 89.4 51.5 77.3#



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.321 ug/l
 RT: 4.140 min Scan# 383
 Delta R.T. 0.006 min
 Lab File: VN074141.D
 Acq: 26 Aug 2022 17:23

Tgt Ion:101 Resp: 1653
 Ion Ratio Lower Upper
 101 100
 85 35.8 34.7 52.1
 151 83.8 63.0 94.4





#12

1,1-Dichloroethene

Concen: 0.459 ug/l

RT: 4.116 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN074141.D

Acq: 26 Aug 2022 17:23

Instrument :

MSVOA_N

ClientSampleId :

MW305D-20220820

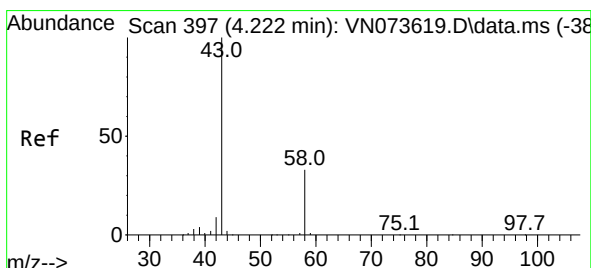
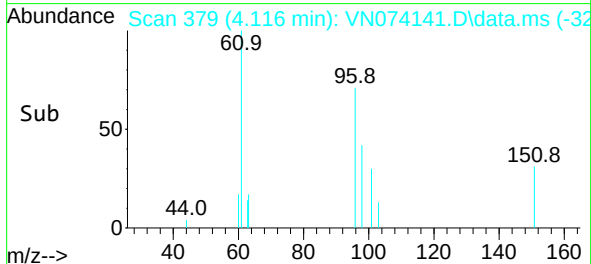
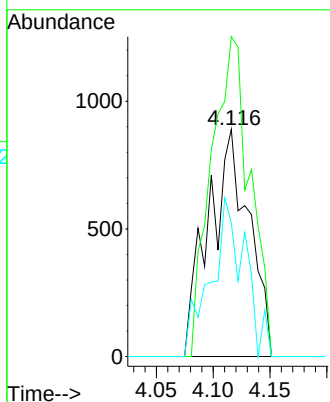
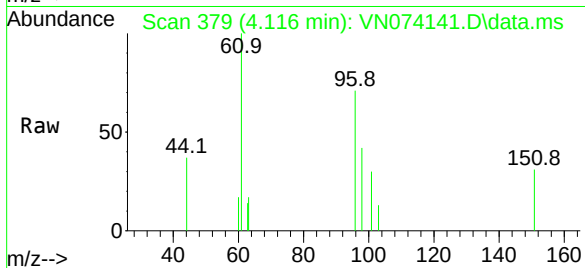
Tgt Ion: 96 Resp: 2199

Ion Ratio Lower Upper

96 100

61 140.8 127.6 191.4

98 58.8 51.2 76.8



#16

Acetone

Concen: 1.131 ug/l

RT: 4.240 min Scan# 400

Delta R.T. 0.018 min

Lab File: VN074141.D

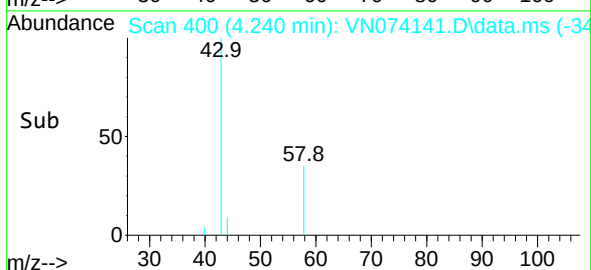
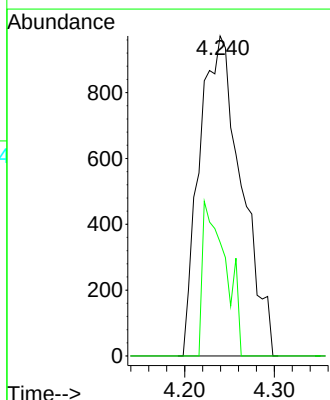
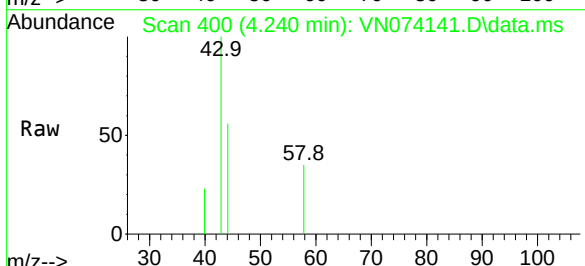
Acq: 26 Aug 2022 17:23

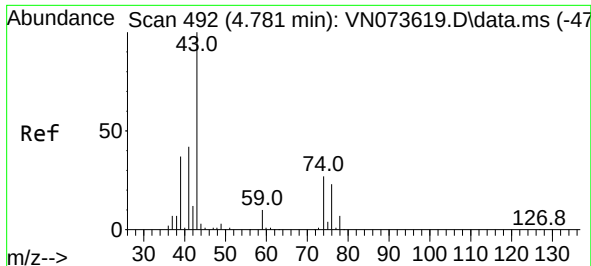
Tgt Ion: 43 Resp: 3159

Ion Ratio Lower Upper

43 100

58 35.5 26.0 39.0

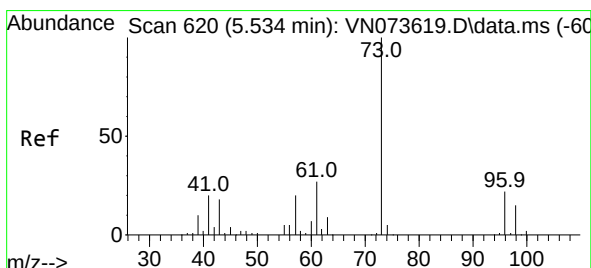
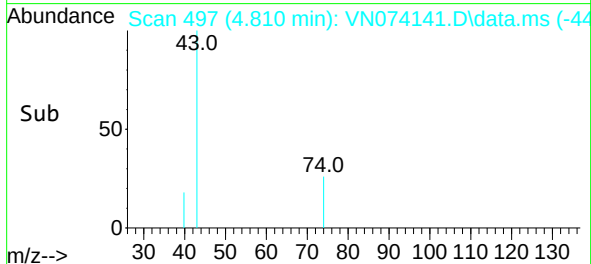
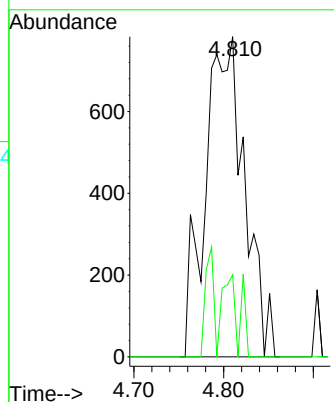
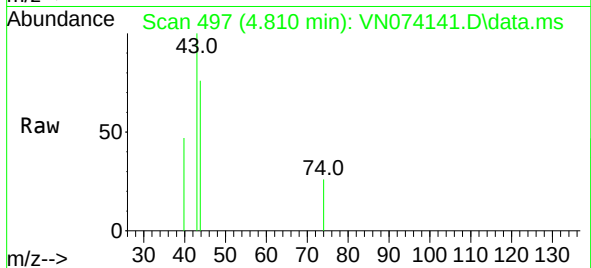




#18
Methyl Acetate
Concen: Below Cal
RT: 4.810 min Scan# 492
Delta R.T. 0.029 min
Lab File: VN074141.D
Acq: 26 Aug 2022 17:23

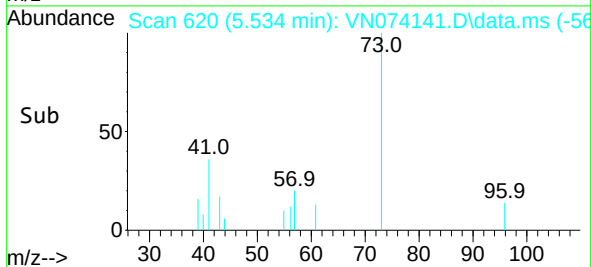
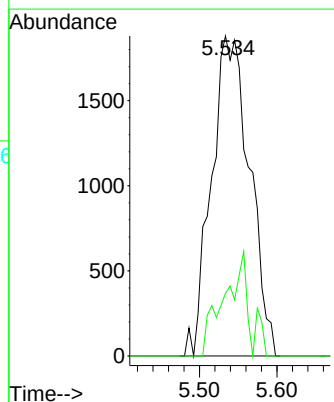
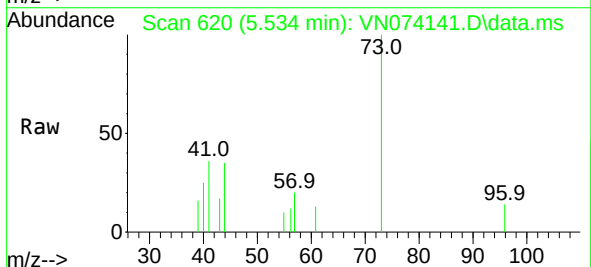
Instrument :
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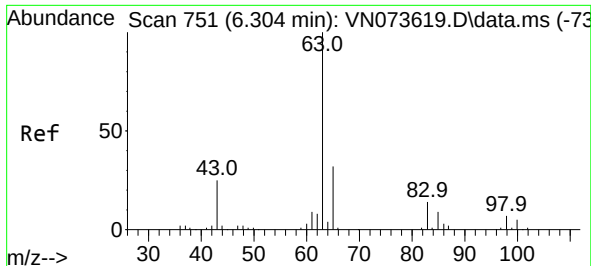
Tgt Ion: 43 Resp: 2386
Ion Ratio Lower Upper
43 100
74 11.1 21.6 32.4#



#19
Methyl tert-butyl Ether
Concen: 0.373 ug/l
RT: 5.534 min Scan# 620
Delta R.T. -0.000 min
Lab File: VN074141.D
Acq: 26 Aug 2022 17:23

Tgt Ion: 73 Resp: 6436
Ion Ratio Lower Upper
73 100
57 19.6 17.6 26.4

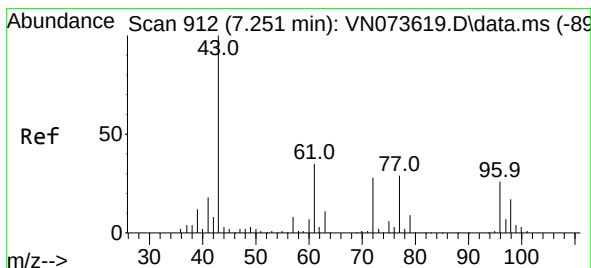
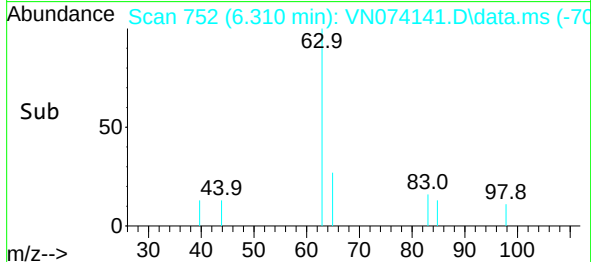
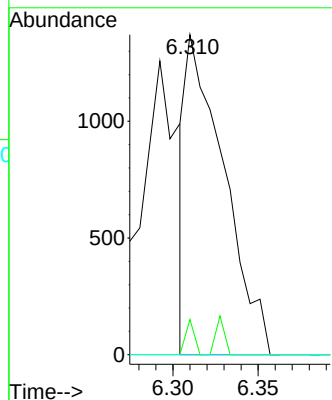
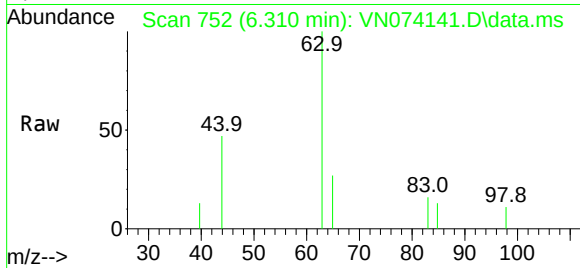




#24
1,1-Dichloroethane
Concen: 0.226 ug/l
RT: 6.310 min Scan# 751
Delta R.T. 0.006 min
Lab File: VN074141.D
Acq: 26 Aug 2022 17:23

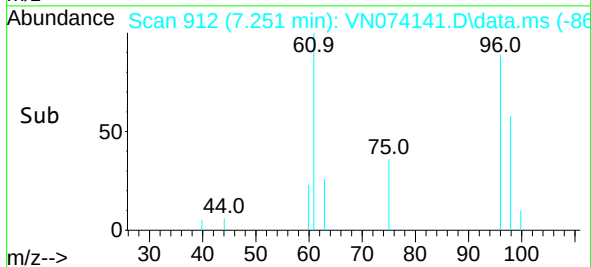
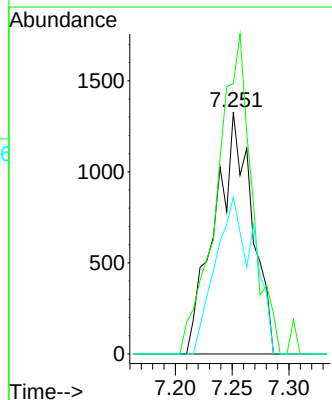
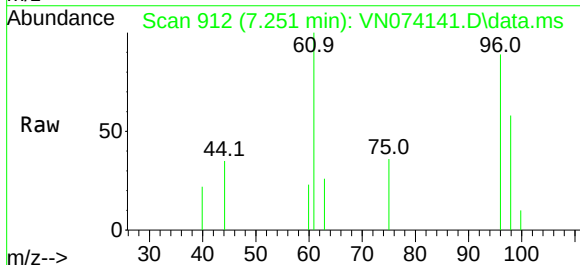
Instrument :
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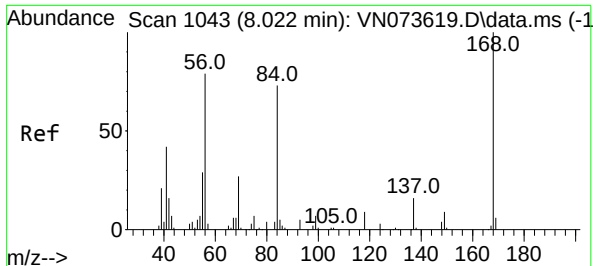
Tgt Ion: 63 Resp: 2122
Ion Ratio Lower Upper
63 100
98 11.0 3.5 10.4#
100 0.0 2.3 6.8#



#27
cis-1,2-Dichloroethene
Concen: 0.461 ug/l
RT: 7.251 min Scan# 912
Delta R.T. 0.000 min
Lab File: VN074141.D
Acq: 26 Aug 2022 17:23

Tgt Ion: 96 Resp: 3008
Ion Ratio Lower Upper
96 100
61 125.6 0.0 280.6
98 67.1 0.0 128.4





#31

Cyclohexane

Concen: 1.209 ug/l

RT: 8.022 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN074141.D

Acq: 26 Aug 2022 17:23

Instrument :

MSVOA_N

ClientSampleId :

MW305D-20220820

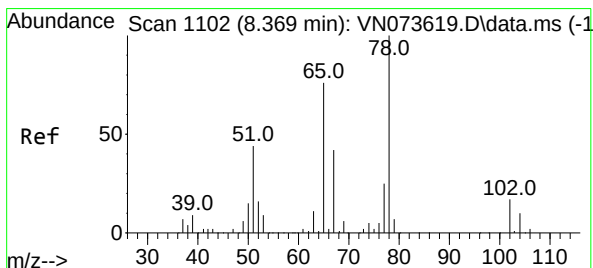
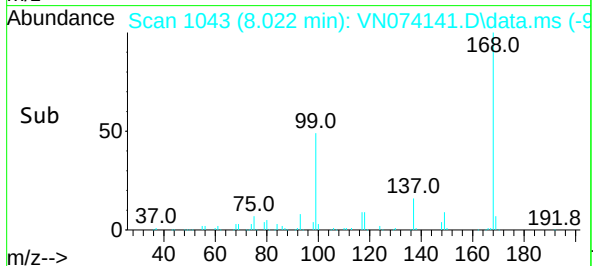
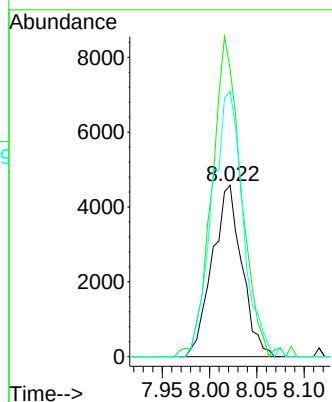
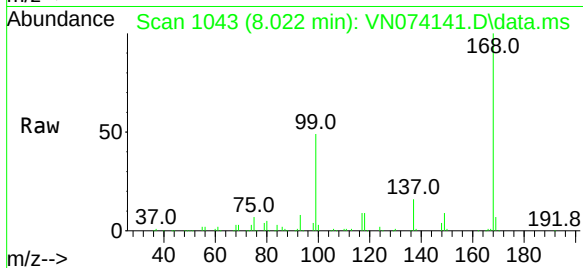
Tgt Ion: 56 Resp: 9974

Ion Ratio Lower Upper

56 100

69 164.0 27.8 41.8#

84 155.0 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 52.616 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN074141.D

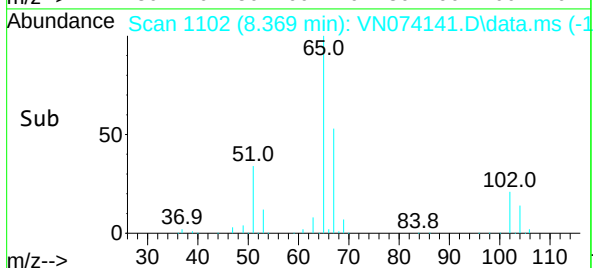
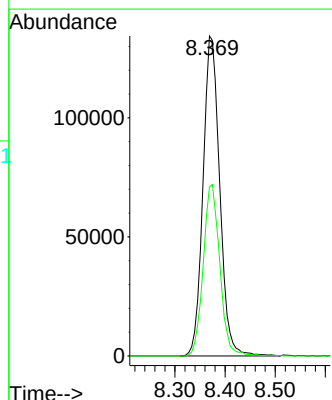
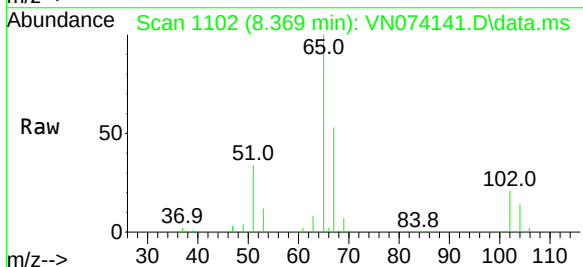
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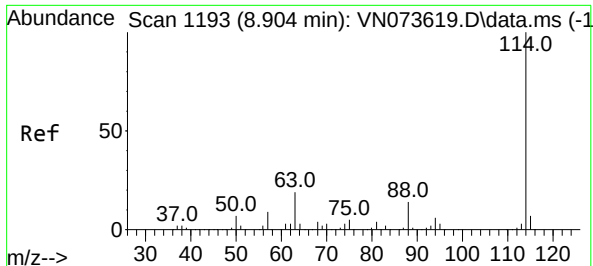
Tgt Ion: 65 Resp: 311379

Ion Ratio Lower Upper

65 100

67 53.1 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: VN074141.D

Acq: 26 Aug 2022 17:23

Instrument :

MSVOA_N

ClientSampleId :

MW305D-20220820

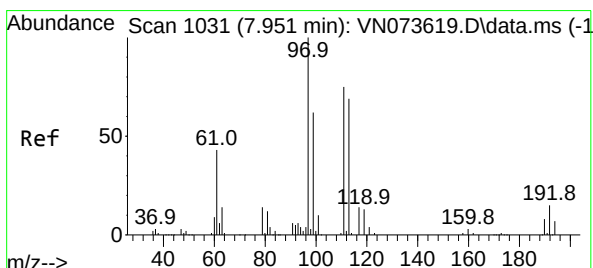
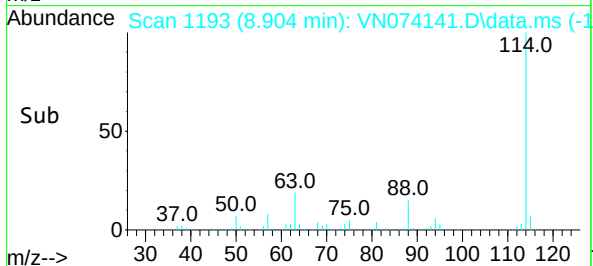
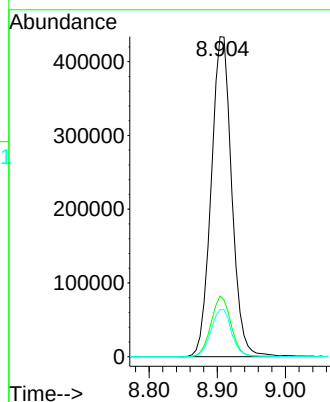
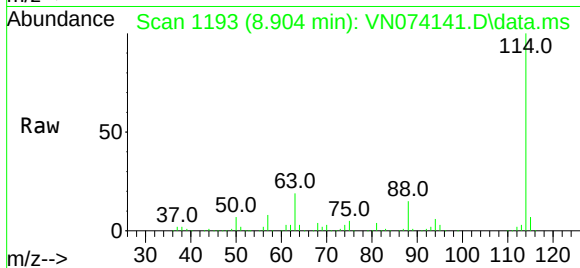
Tgt Ion:114 Resp: 909604

Ion Ratio Lower Upper

114 100

63 19.0 0.0 40.0

88 14.7 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.623 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074141.D

Acq: 26 Aug 2022 17:23

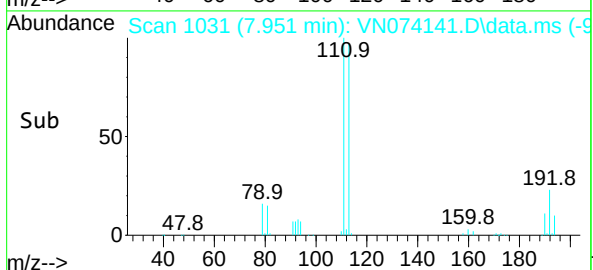
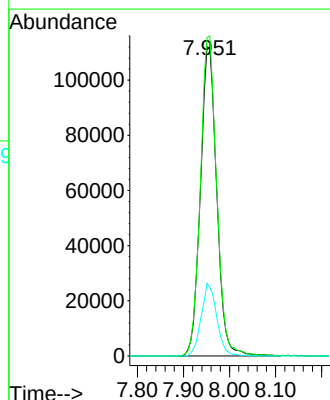
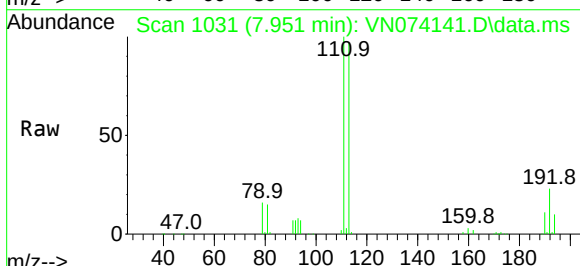
Tgt Ion:113 Resp: 277697

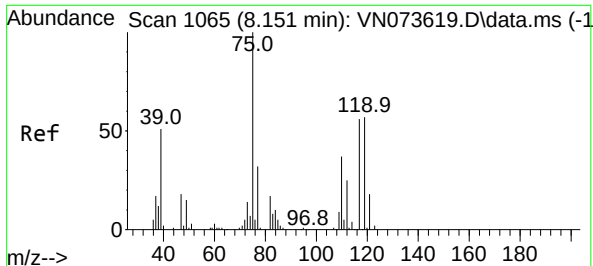
Ion Ratio Lower Upper

113 100

111 103.3 81.4 122.0

192 22.3 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.426 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.135 min

Lab File: VN074141.D

Acq: 26 Aug 2022 17:23

Instrument :

MSVOA_N

ClientSampleId :

MW305D-20220820

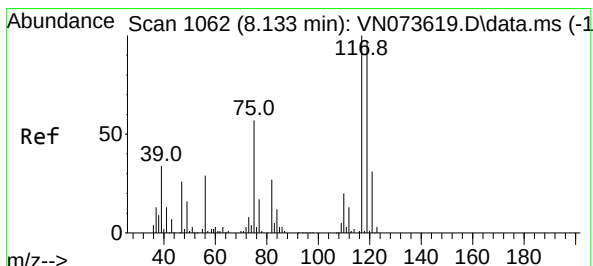
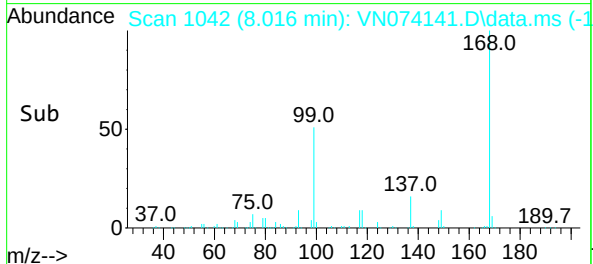
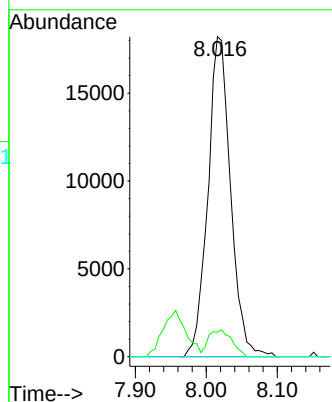
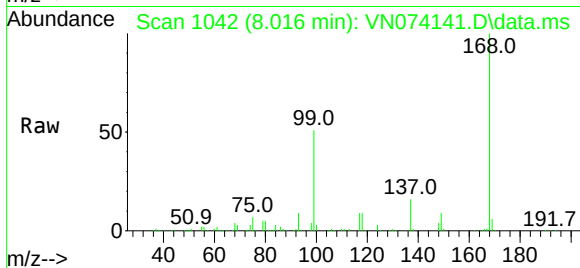
Tgt Ion: 75 Resp: 40540

Ion Ratio Lower Upper

75 100

110 8.6 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.371 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.111 min

Lab File: VN074141.D

Acq: 26 Aug 2022 17:23

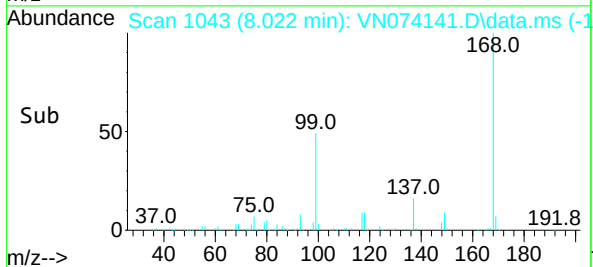
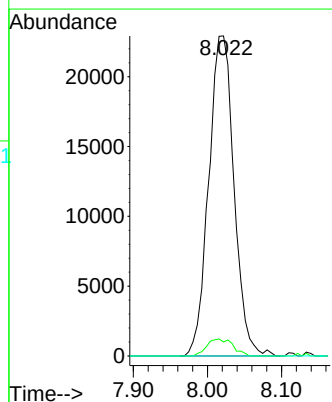
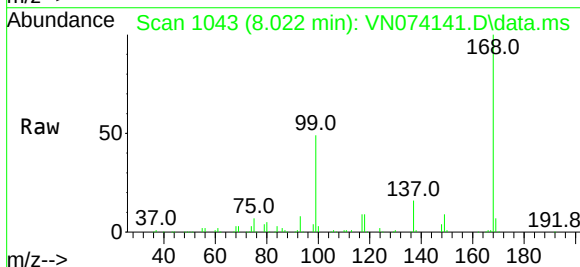
Tgt Ion: 117 Resp: 54409

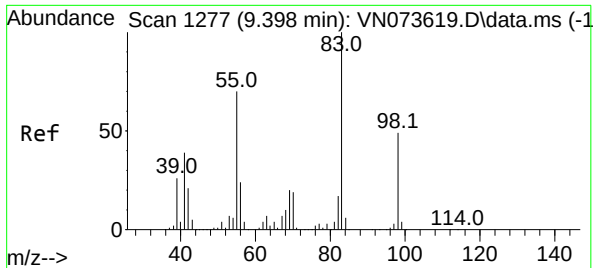
Ion Ratio Lower Upper

117 100

119 4.3 75.8 113.8#

121 0.0 24.6 37.0#





#39

Methylcyclohexane

Concen: 2.921 ug/l

RT: 9.157 min Scan# 1147

Delta R.T. -0.241 min

Lab File: VN074141.D

Acq: 26 Aug 2022 17:23

Instrument :

MSVOA_N

ClientSampleId :

MW305D-20220820

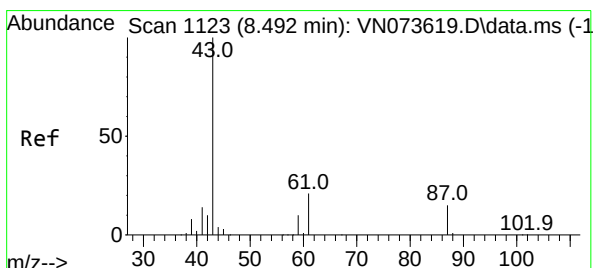
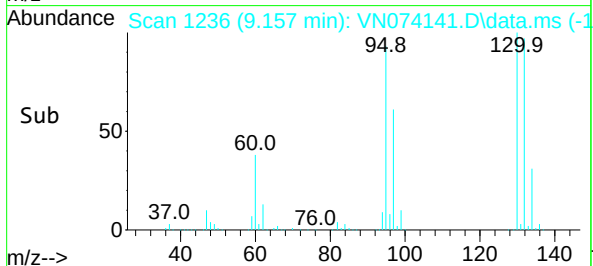
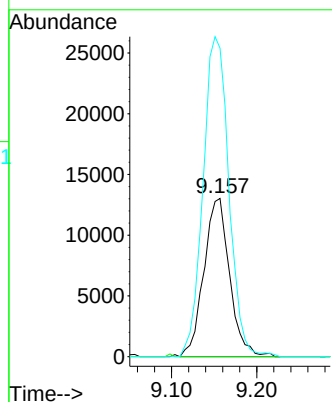
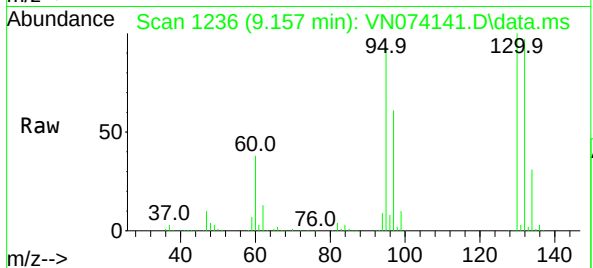
Tgt Ion: 83 Resp: 27350

Ion Ratio Lower Upper

83 100

55 0.0 57.8 86.8#

98 195.0 39.4 59.2#



#43

Isopropyl Acetate

Concen: 0.280 ug/l

RT: 8.633 min Scan# 1147

Delta R.T. 0.141 min

Lab File: VN074141.D

Acq: 26 Aug 2022 17:23

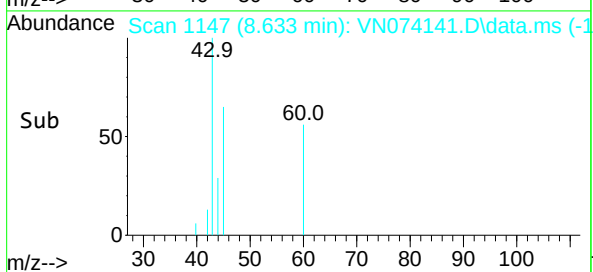
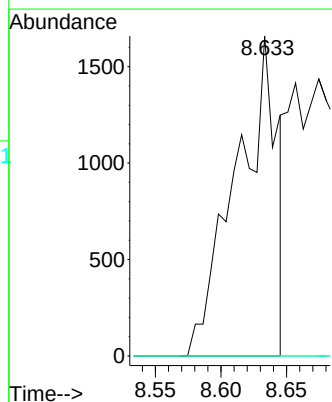
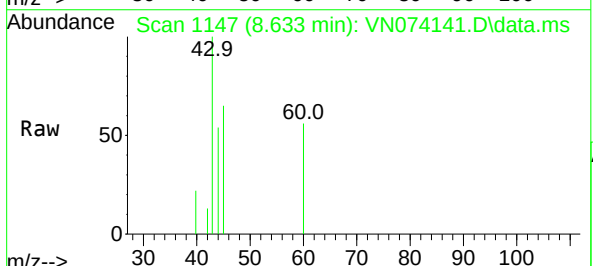
Tgt Ion: 43 Resp: 3607

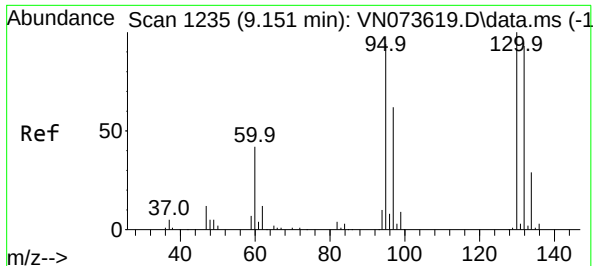
Ion Ratio Lower Upper

43 100

61 0.0 21.9 32.9#

87 0.0 12.0 18.0#

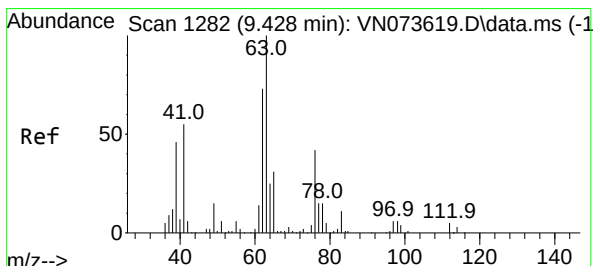
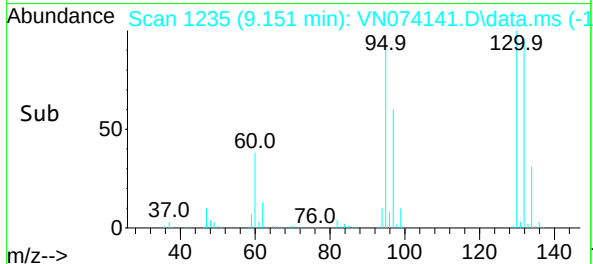
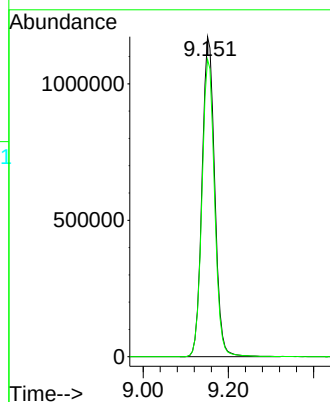
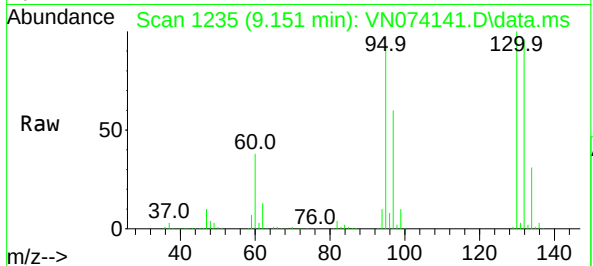




#44
Trichloroethene
Concen: 354.314 ug/l
RT: 9.151 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN074141.D
Acq: 26 Aug 2022 17:23

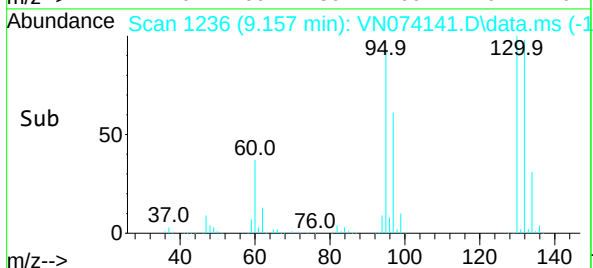
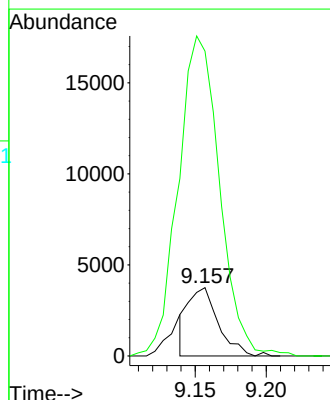
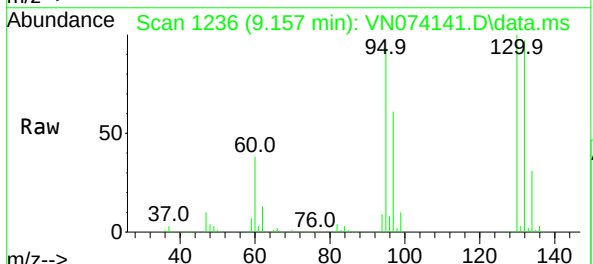
Instrument :
MSVOA_N
ClientSampleId :
MW305D-20220820

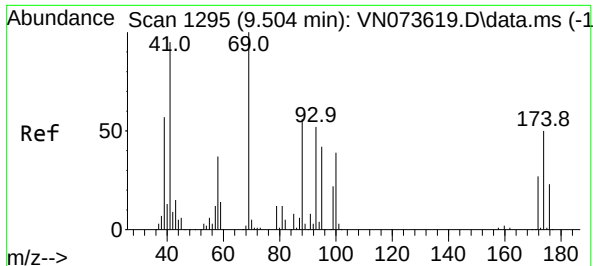
Tgt Ion:130 Resp: 2413267
Ion Ratio Lower Upper
130 100
95 92.9 0.0 186.8



#45
1,2-Dichloropropane
Concen: 0.979 ug/l
RT: 9.157 min Scan# 1236
Delta R.T. -0.271 min
Lab File: VN074141.D
Acq: 26 Aug 2022 17:23

Tgt Ion: 63 Resp: 5533
Ion Ratio Lower Upper
63 100
65 441.0 24.9 37.3#





#49

1,4-Dioxane

Concen: 1.420 ug/l

RT: 9.510 min Scan# 1295

Delta R.T. 0.006 min

Lab File: VN074141.D

Acq: 26 Aug 2022 17:23

Instrument :

MSVOA_N

ClientSampleId :

MW305D-20220820

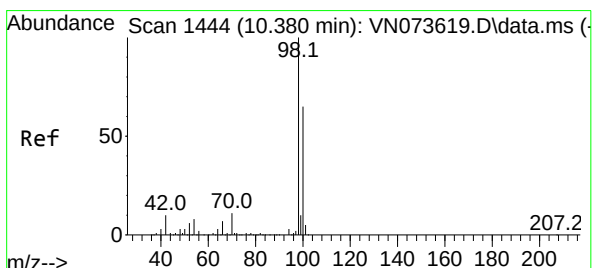
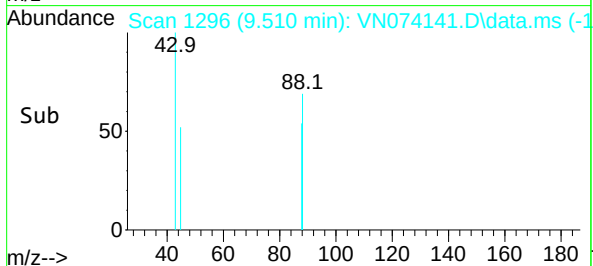
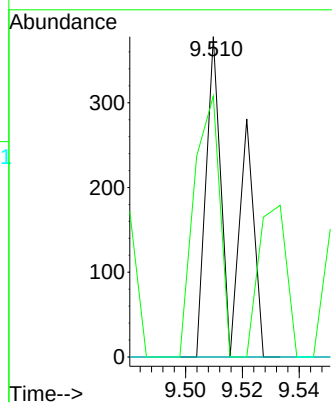
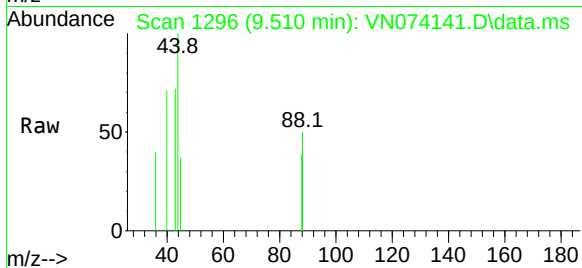
Tgt Ion: 88 Resp: 233

Ion Ratio Lower Upper

88 100

43 82.4 20.2 30.4#

58 0.0 54.2 81.4#



#50

Toluene-d8

Concen: 49.469 ug/l

RT: 10.380 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VN074141.D

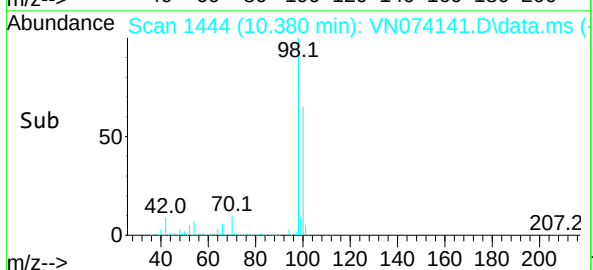
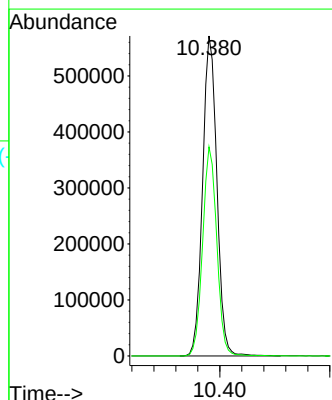
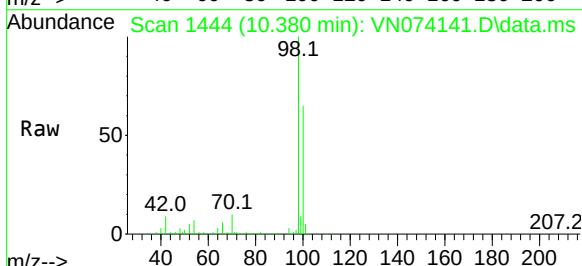
Acq: 26 Aug 2022 17:23

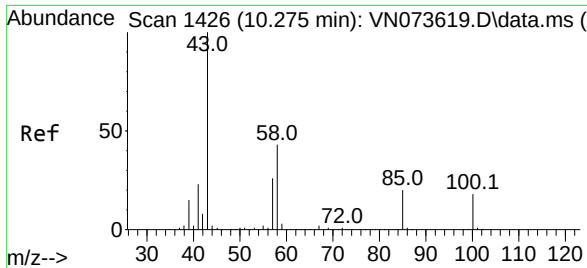
Tgt Ion: 98 Resp: 1030613

Ion Ratio Lower Upper

98 100

100 64.9 52.6 78.8

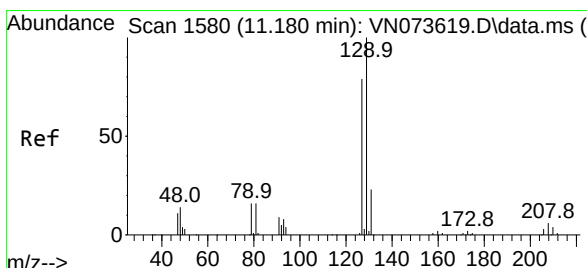
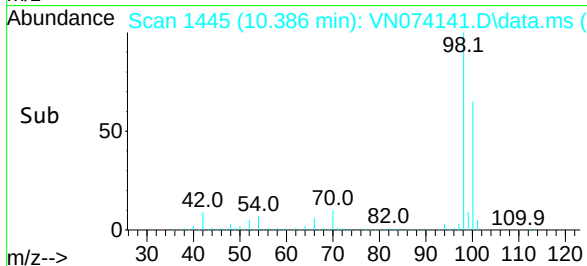
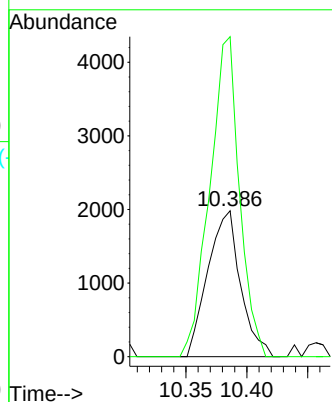
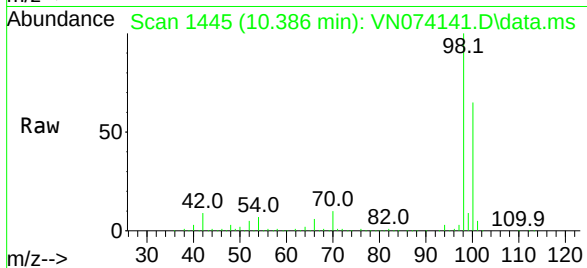




#51
4-Methyl-2-Pentanone
Concen: 0.424 ug/l
RT: 10.386 min Scan# 1426
Delta R.T. 0.111 min
Lab File: VN074141.D
Acq: 26 Aug 2022 17:23

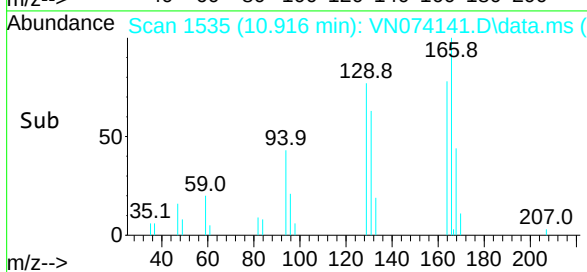
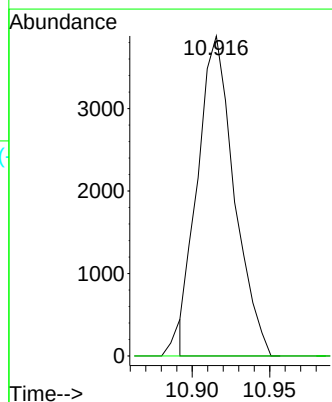
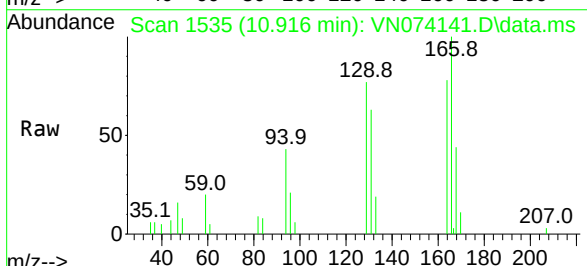
Instrument :
MSVOA_N
ClientSampleId :
MW305D-20220820

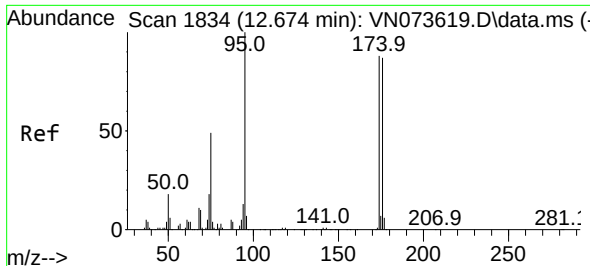
Tgt Ion: 43 Resp: 3696
Ion Ratio Lower Upper
43 100
58 199.3 34.1 51.1#



#60
Dibromochloromethane
Concen: 0.912 ug/l
RT: 10.916 min Scan# 1535
Delta R.T. -0.264 min
Lab File: VN074141.D
Acq: 26 Aug 2022 17:23

Tgt Ion: 129 Resp: 6345
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

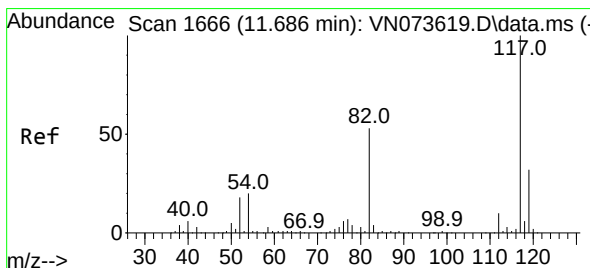
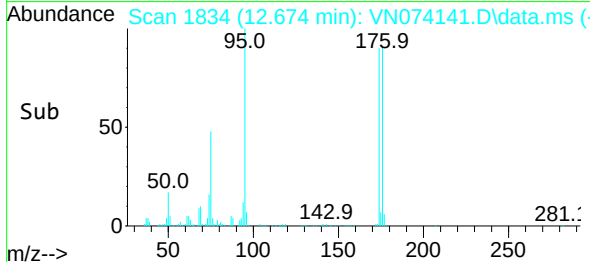
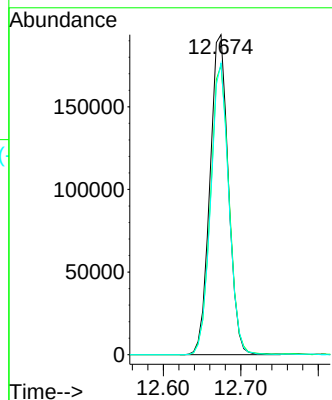
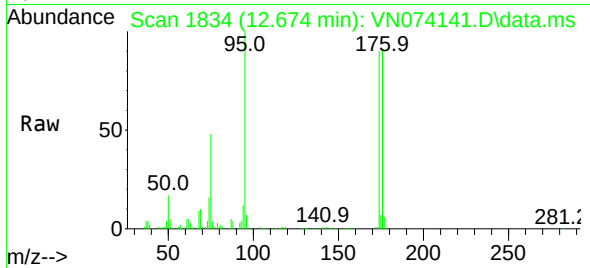




#62
4-Bromofluorobenzene
Concen: 46.296 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074141.D
Acq: 26 Aug 2022 17:23

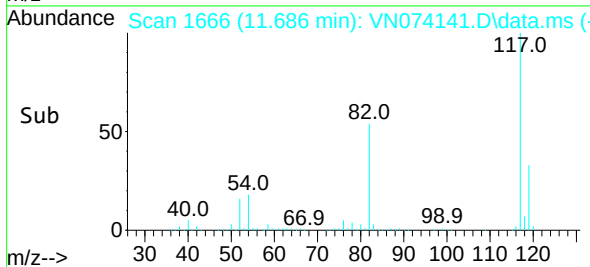
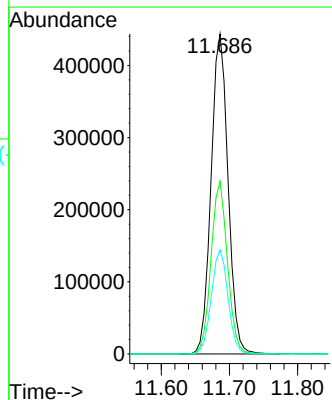
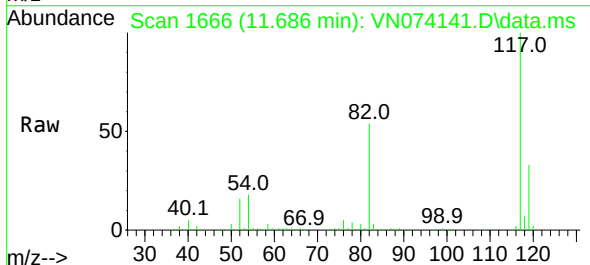
Instrument :
MSVOA_N
ClientSampleId :
MW305D-20220820

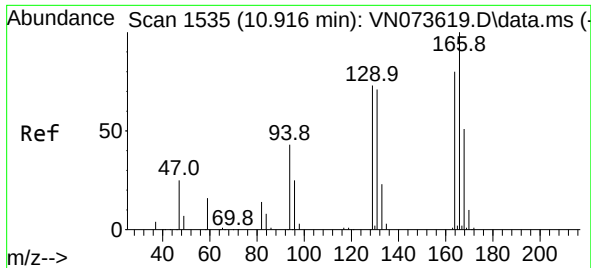
Tgt Ion: 95 Resp: 320102
Ion Ratio Lower Upper
95 100
174 90.9 0.0 167.6
176 89.2 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074141.D
Acq: 26 Aug 2022 17:23

Tgt Ion: 117 Resp: 768569
Ion Ratio Lower Upper
117 100
82 54.0 44.2 66.2
119 32.5 25.4 38.0

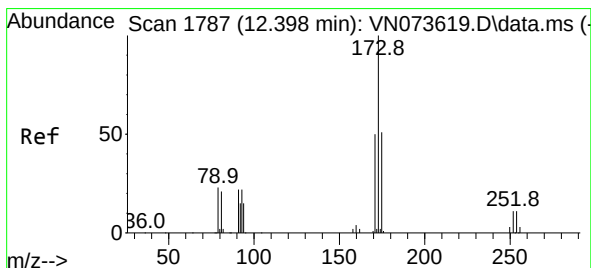
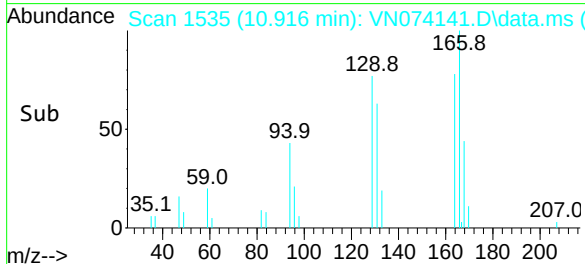
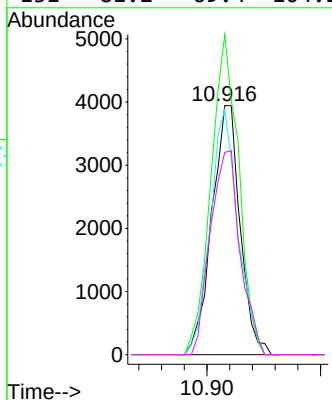
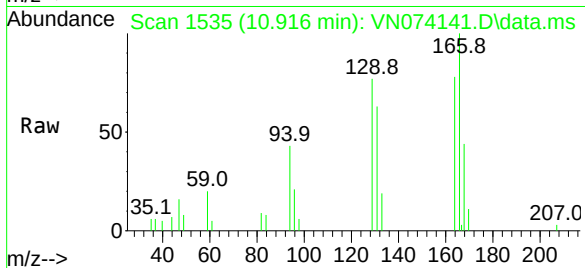




#64
Tetrachloroethene
Concen: 1.122 ug/l
RT: 10.916 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN074141.D
Acq: 26 Aug 2022 17:23

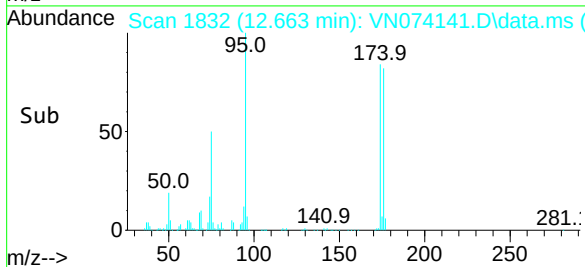
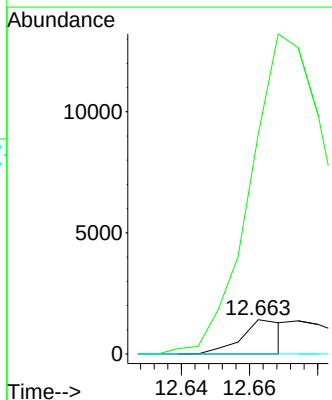
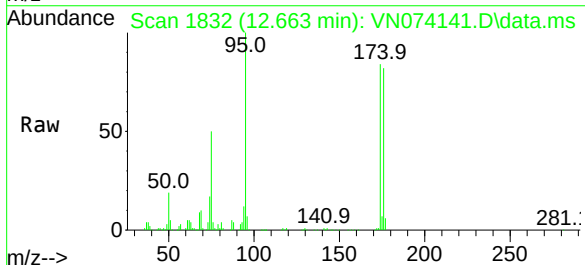
Instrument :
MSVOA_N
ClientSampleId :
MW305D-20220820

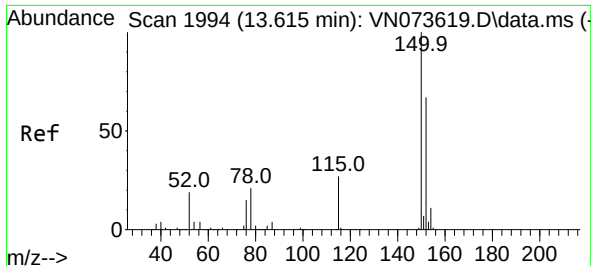
Tgt Ion:164	Resp:	6805
Ion	Ratio	Lower Upper
164	100	
166	128.4	104.2 156.2
129	98.4	73.9 110.9
131	81.2	69.4 104.2



#71
Bromoform
Concen: 0.219 ug/l
RT: 12.663 min Scan# 1832
Delta R.T. 0.264 min
Lab File: VN074141.D
Acq: 26 Aug 2022 17:23

Tgt Ion:173	Resp:	1209
Ion	Ratio	Lower Upper
173	100	
175	1204.5	24.6 73.6#
254	0.0	0.1 0.1#

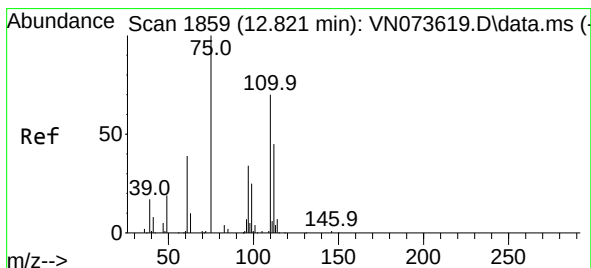
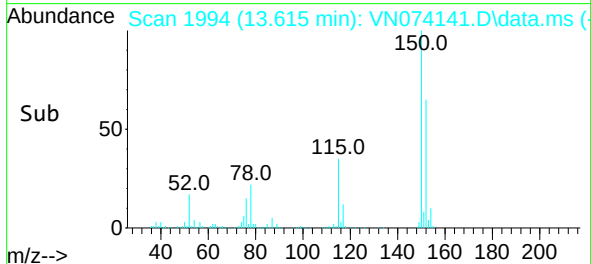
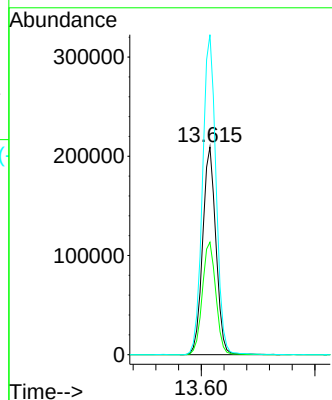
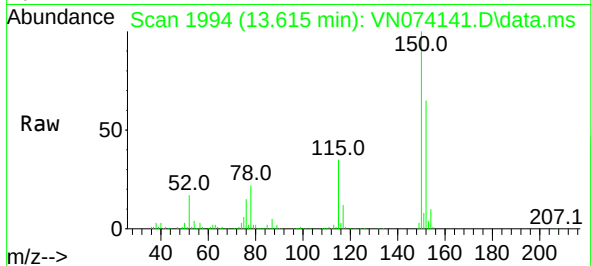




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.615 min Scan# 1994
 Delta R.T. 0.000 min
 Lab File: VN074141.D
 Acq: 26 Aug 2022 17:23

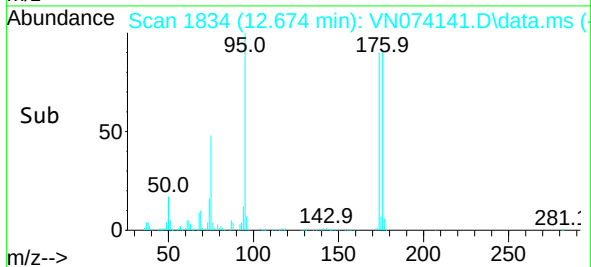
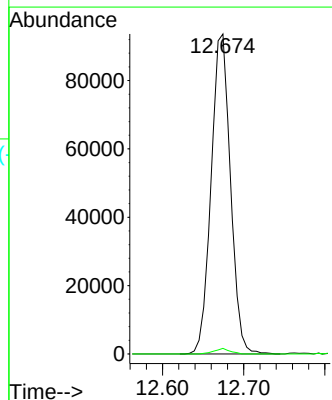
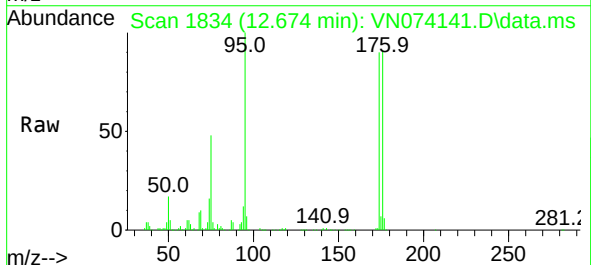
Instrument :
 MSVOA_N
 ClientSampleId :
 MW305D-20220820

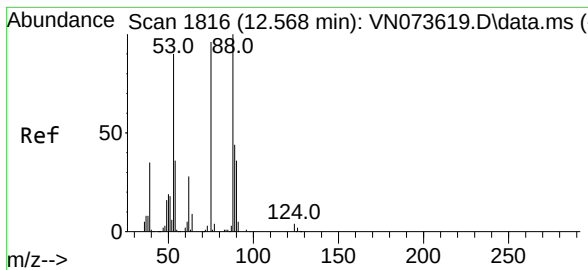
Tgt Ion:152 Resp: 339139
 Ion Ratio Lower Upper
 152 100
 115 55.2 28.9 86.7
 150 156.9 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 21.962 ug/l
 RT: 12.674 min Scan# 1834
 Delta R.T. -0.147 min
 Lab File: VN074141.D
 Acq: 26 Aug 2022 17:23

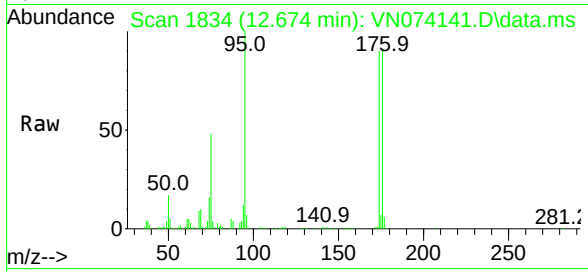
Tgt Ion: 75 Resp: 154809
 Ion Ratio Lower Upper
 75 100
 77 1.4 98.5 295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.464 ug/l
 RT: 12.674 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN074141.D
 Acq: 26 Aug 2022 17:23

Instrument :
 MSVOA_N
 ClientSampleId :
 MW305D-20220820



Tgt Ion: 75 Resp: 154809
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.0 117.0#
 89 0.0 37.2 55.8#

