

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090222\
 Data File : VN074298.D
 Acq On : 02 Sep 2022 20:35
 Operator : JC\MD
 Sample : N4376-02DL 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-28DL

Quant Time: Sep 03 04:41:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090222W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 03 04:35:33 2022
 Response via : Initial Calibration

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

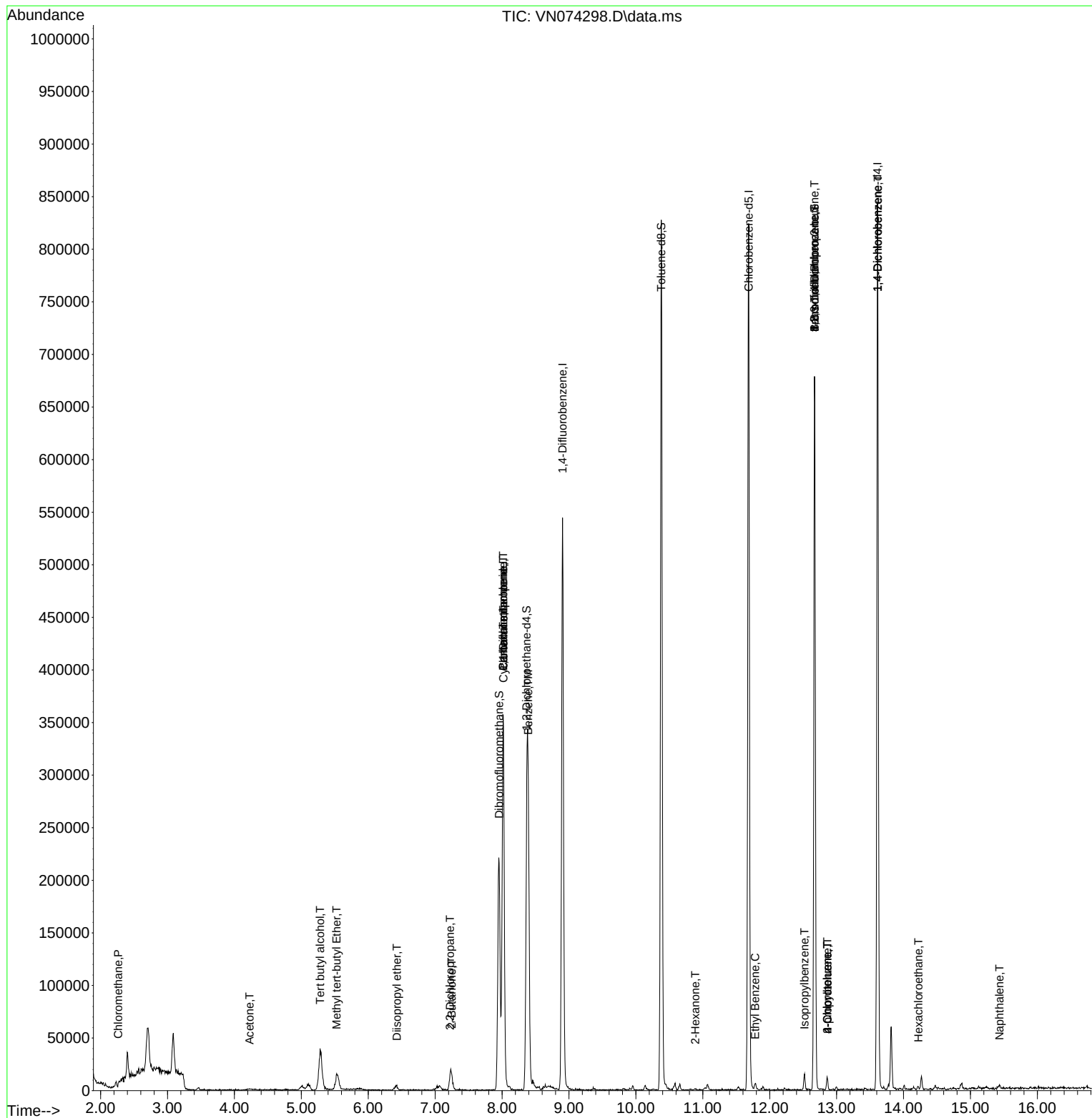
Internal Standards						
1) Pentafluorobenzene	8.016	168	255010	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	460599	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	452203	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	202873	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	179126	45.061	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.120%		
35) Dibromofluoromethane	7.957	113	156331	51.220	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.440%		
50) Toluene-d8	10.380	98	546293	45.391	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.780%		
62) 4-Bromofluorobenzene	12.668	95	202233	46.153	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.300%		
Target Compounds					Qvalue	
3) Chloromethane	2.263	50	1257	0.361	ug/l #	81
11) Tert butyl alcohol	5.281	59	65341	90.602	ug/l	98
16) Acetone	4.228	43	1736	1.045	ug/l #	42
19) Methyl tert-butyl Ether	5.528	73	11046	1.110	ug/l #	86
20) Methylene Chloride	4.998	84	879	Below Cal	#	78
22) Diisopropyl ether	6.428	45	4347	0.459	ug/l #	73
25) 2-Butanone	7.245	43	1241	0.442	ug/l #	45
26) 2,2-Dichloropropane	7.222	77	1537	0.331	ug/l #	53
31) Cyclohexane	8.022	56	9038	1.702	ug/l #	53
36) 1,1-Dichloropropene	8.016	75	22289	5.145	ug/l #	50
38) Carbon Tetrachloride	8.016	117	27694	6.328	ug/l #	17
40) Benzene	8.392	78	218168	15.965	ug/l	100
59) 2-Hexanone	10.886	43	908	0.208	ug/l	68
67) Ethyl Benzene	11.780	91	4909	0.269	ug/l #	67
71) Bromoform	12.668	173	2218	0.834	ug/l #	1
73) Isopropylbenzene	12.521	105	7961	0.448	ug/l	92
76) 1,2,3-Trichloropropane	12.668	75	121853	21.207	ug/l #	1
78) n-propylbenzene	12.863	91	9029	0.445	ug/l	98
79) 2-Chlorotoluene	12.863	91	9029	0.724	ug/l #	41
81) trans-1,4-Dichloro-2-b...	12.668	75	121853	68.845	ug/l #	10
82) 4-Chlorotoluene	12.863	91	9029	0.771	ug/l #	41
88) 1,4-Dichlorobenzene	13.615	146	339	0.212	ug/l #	1
90) Hexachloroethane	14.221	117	1466	0.536	ug/l #	9
95) Naphthalene	15.433	128	3585	1.004	ug/l #	87

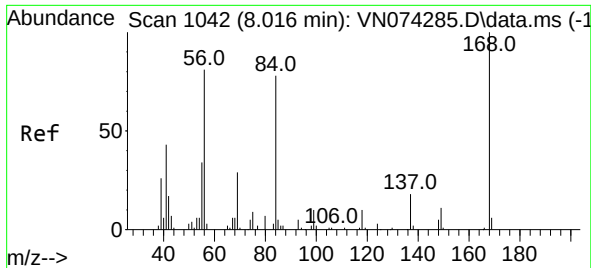
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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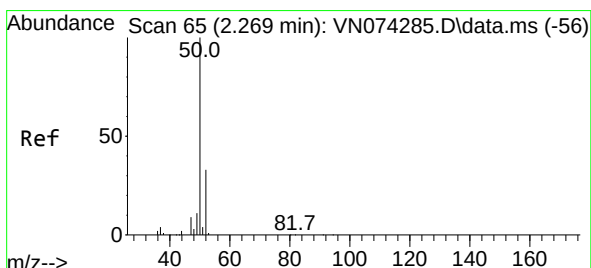
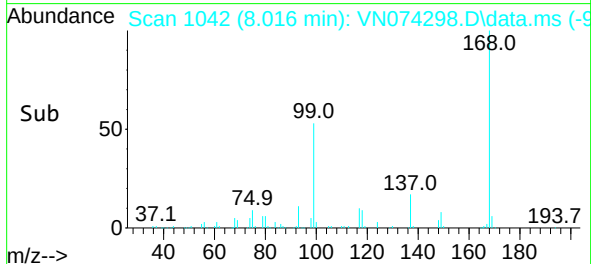
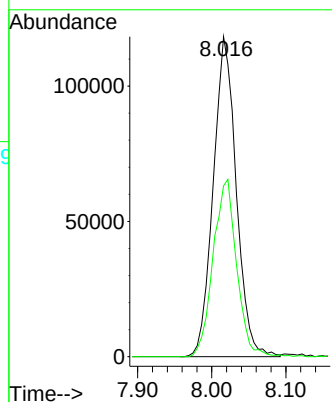
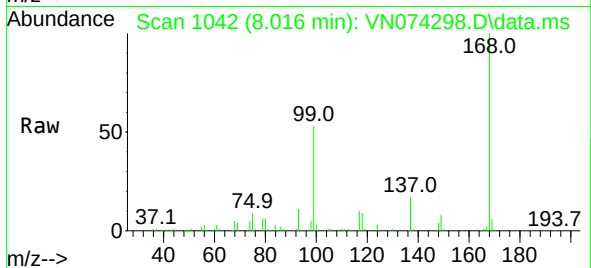




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074298.D
Acq: 02 Sep 2022 20:35

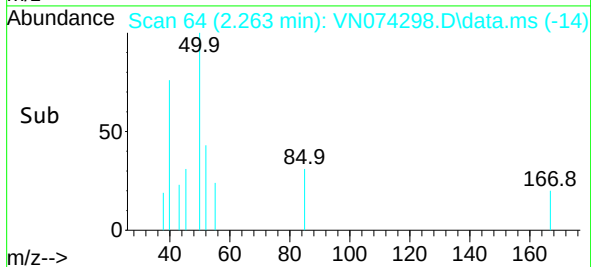
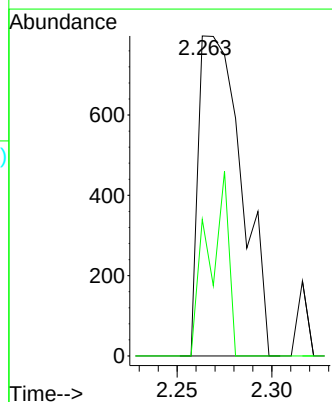
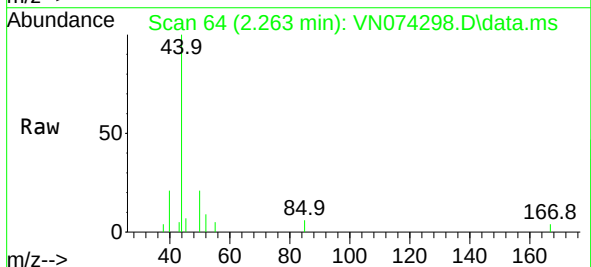
Instrument :
MSVOA_N
ClientSampleId :
MW-28DL

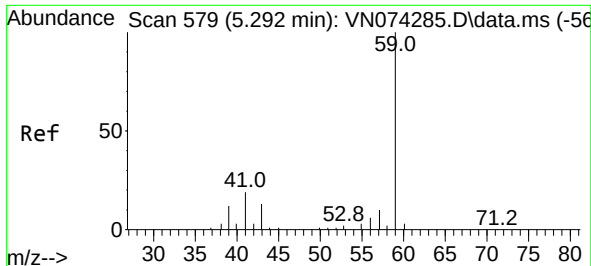
Tgt Ion:168 Resp: 255010
Ion Ratio Lower Upper
168 100
99 53.4 42.3 63.5



#3
Chloromethane
Concen: 0.361 ug/l
RT: 2.263 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN074298.D
Acq: 02 Sep 2022 20:35

Tgt Ion: 50 Resp: 1257
Ion Ratio Lower Upper
50 100
52 42.7 25.7 38.5#





#11

Tert butyl alcohol

Concen: 90.602 ug/l

RT: 5.281 min Scan# 51

Delta R.T. -0.006 min

Lab File: VN074298.D

Acq: 02 Sep 2022 20:35

Instrument :

MSVOA_N

ClientSampleId :

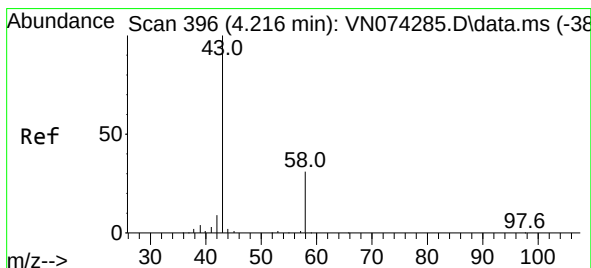
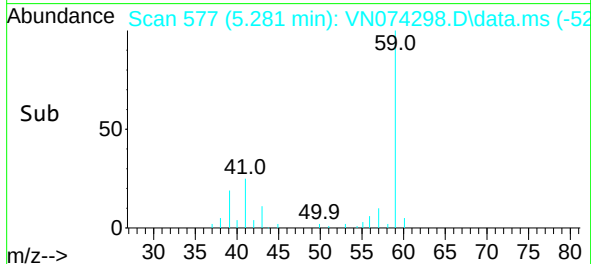
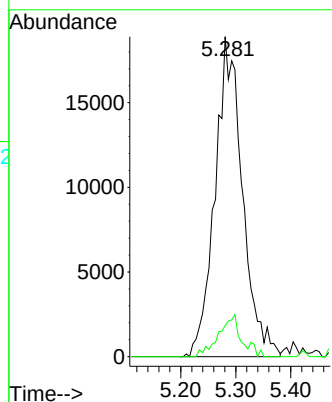
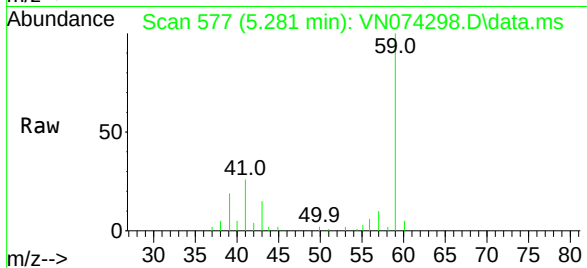
MW-28DL

Tgt Ion: 59 Resp: 65341

Ion Ratio Lower Upper

59 100

57 9.8 8.3 12.5



#16

Acetone

Concen: 1.045 ug/l

RT: 4.228 min Scan# 398

Delta R.T. 0.006 min

Lab File: VN074298.D

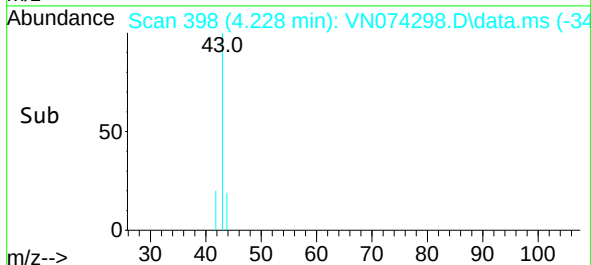
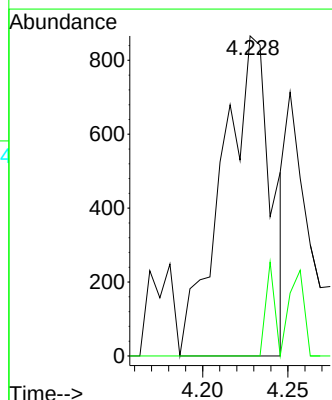
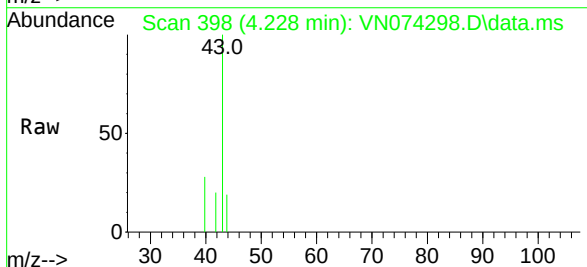
Acq: 02 Sep 2022 20:35

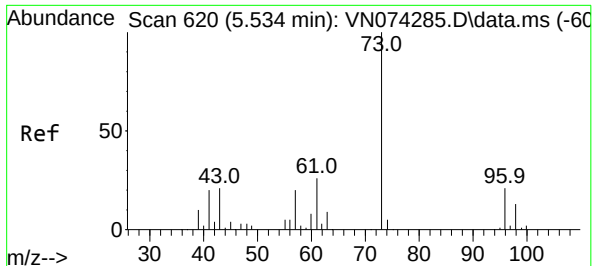
Tgt Ion: 43 Resp: 1736

Ion Ratio Lower Upper

43 100

58 0.0 26.0 39.0#





#19

Methyl tert-butyl Ether

Concen: 1.110 ug/l

RT: 5.528 min Scan# 61

Delta R.T. -0.006 min

Lab File: VN074298.D

Acq: 02 Sep 2022 20:35

Instrument :

MSVOA_N

ClientSampleId :

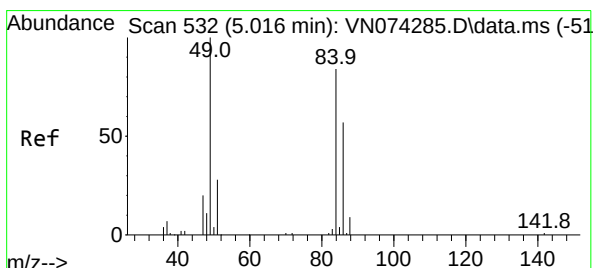
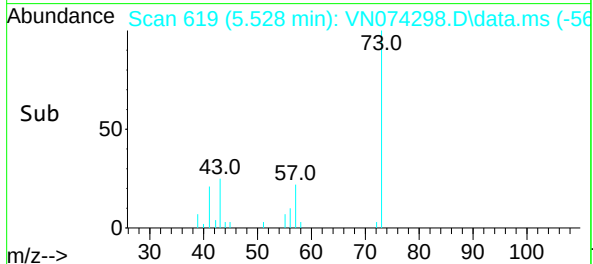
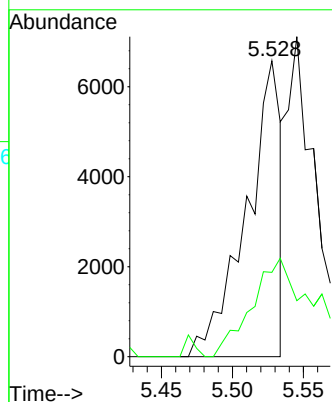
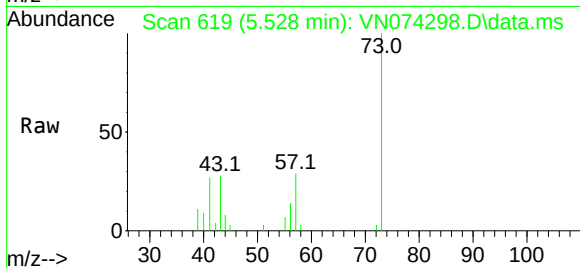
MW-28DL

Tgt Ion: 73 Resp: 11046

Ion Ratio Lower Upper

73 100

57 28.5 17.6 26.4#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.998 min Scan# 529

Delta R.T. -0.012 min

Lab File: VN074298.D

Acq: 02 Sep 2022 20:35

Tgt Ion: 84 Resp: 879

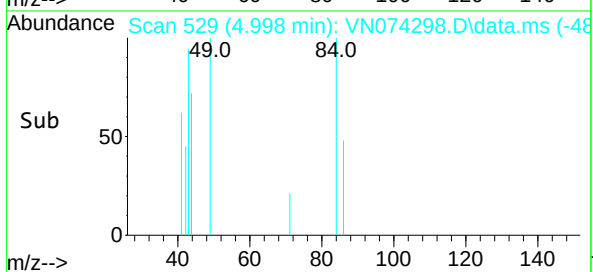
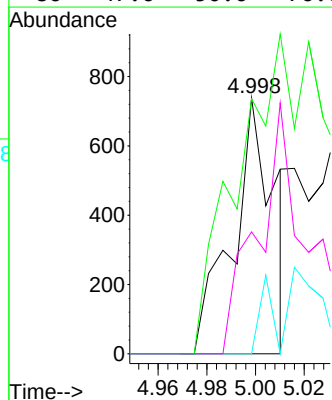
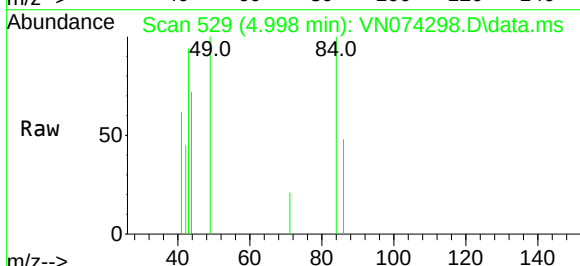
Ion Ratio Lower Upper

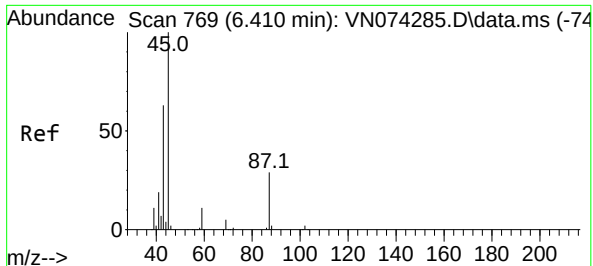
84 100

49 99.6 88.3 132.5

51 0.0 28.2 42.2#

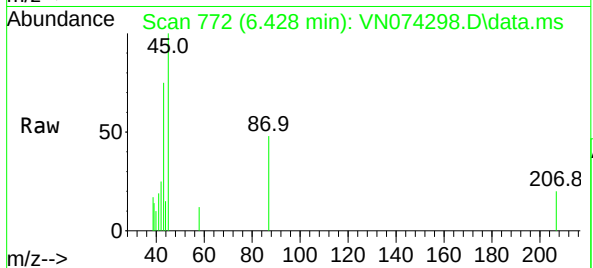
86 47.6 50.6 76.0#



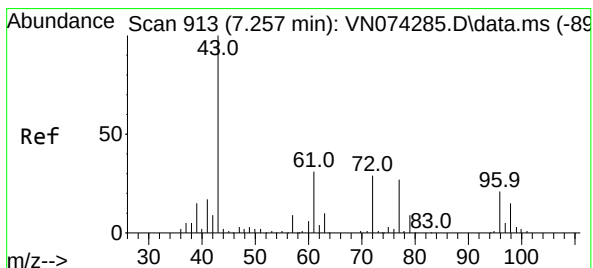
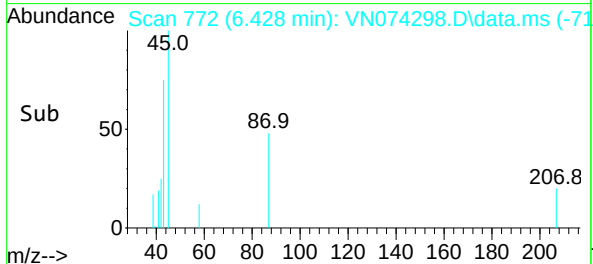
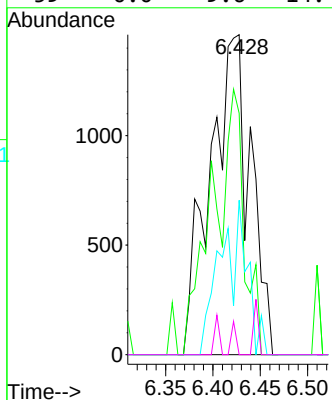


#22
Diisopropyl ether
Concen: 0.459 ug/l
RT: 6.428 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN074298.D
Acq: 02 Sep 2022 20:35

Instrument :
MSVOA_N
ClientSampleId :
MW-28DL

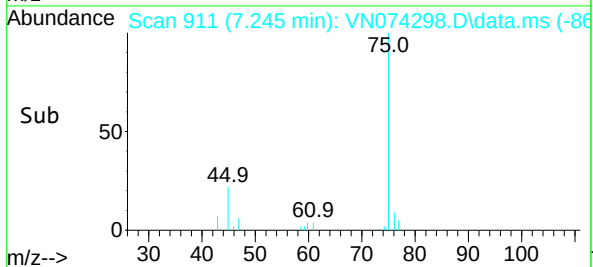
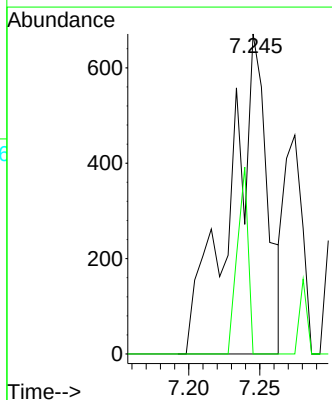
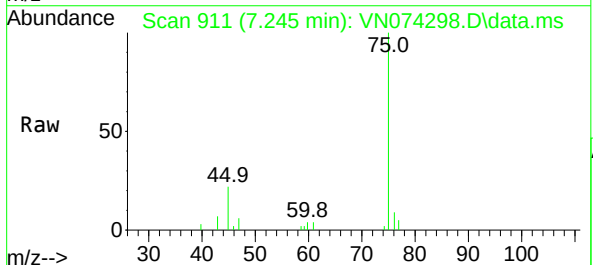


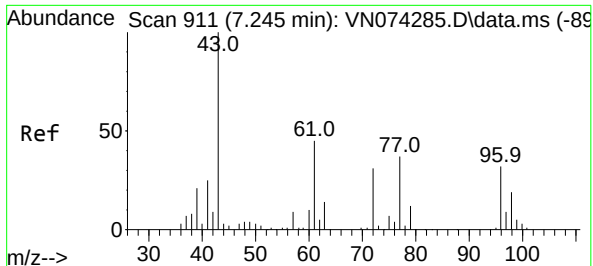
Tgt Ion: 45 Resp: 4347
Ion Ratio Lower Upper
45 100
43 75.4 46.6 70.0#
87 48.3 24.3 36.5#
59 0.0 9.6 14.4#



#25
2-Butanone
Concen: 0.442 ug/l
RT: 7.245 min Scan# 911
Delta R.T. -0.012 min
Lab File: VN074298.D
Acq: 02 Sep 2022 20:35

Tgt Ion: 43 Resp: 1241
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#

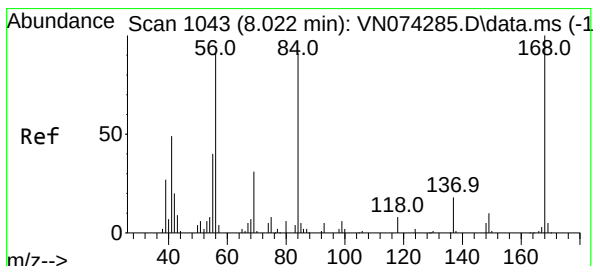
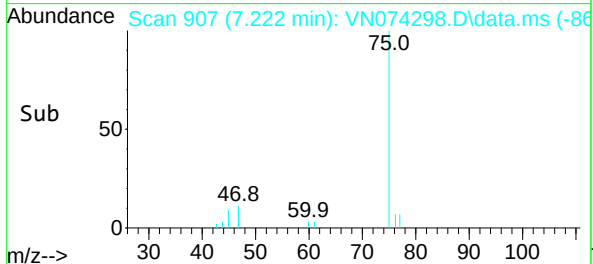
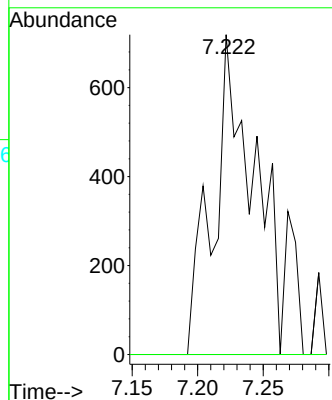
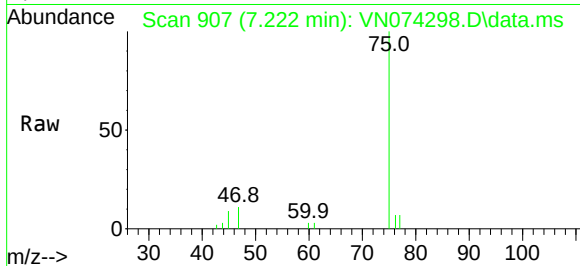




#26
2,2-Dichloropropane
Concen: 0.331 ug/l
RT: 7.222 min Scan# 90
Delta R.T. -0.023 min
Lab File: VN074298.D
Acq: 02 Sep 2022 20:35

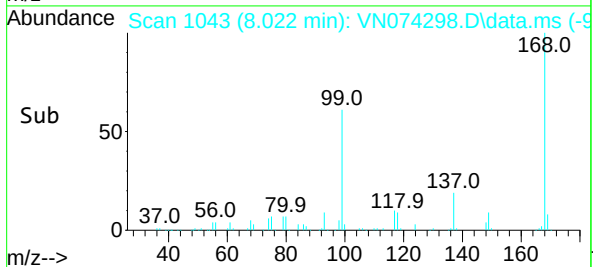
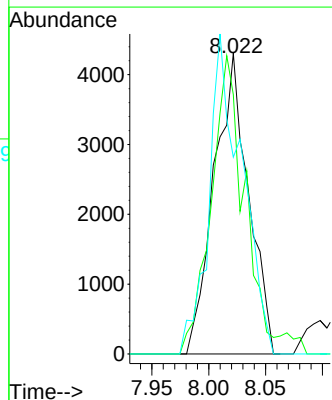
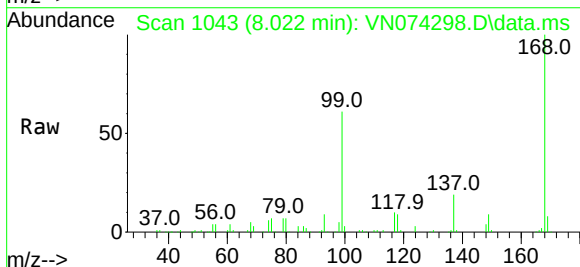
Instrument :
MSVOA_N
ClientSampleId :
MW-28DL

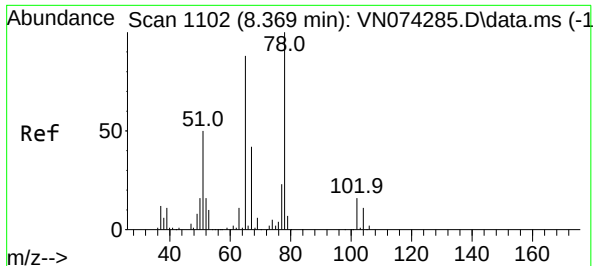
Tgt Ion: 77 Resp: 1537
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#31
Cyclohexane
Concen: 1.702 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VN074298.D
Acq: 02 Sep 2022 20:35

Tgt Ion: 56 Resp: 9038
Ion Ratio Lower Upper
56 100
69 86.2 27.8 41.8#
84 65.4 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 45.061 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN074298.D

Acq: 02 Sep 2022 20:35

Instrument :

MSVOA_N

ClientSampleId :

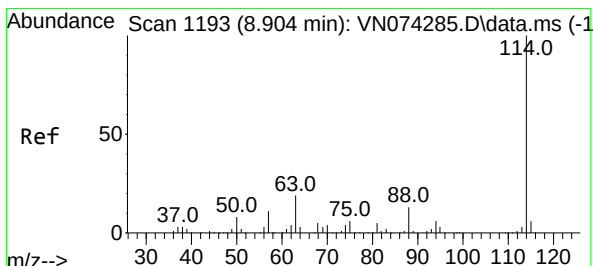
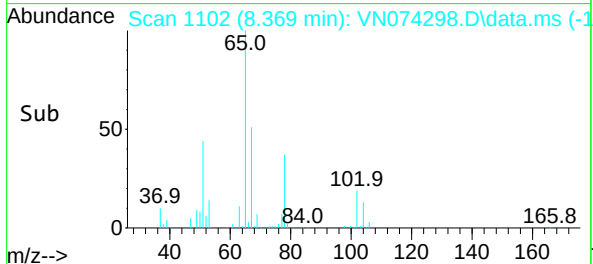
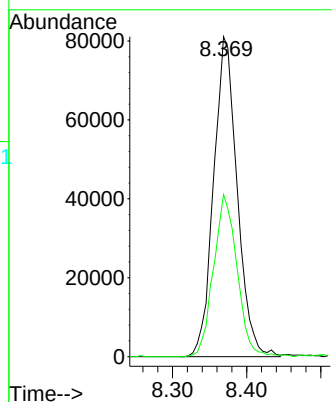
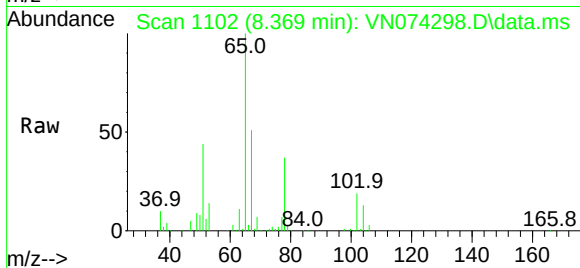
MW-28DL

Tgt Ion: 65 Resp: 179126

Ion Ratio Lower Upper

65 100

67 50.7 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: VN074298.D

Acq: 02 Sep 2022 20:35

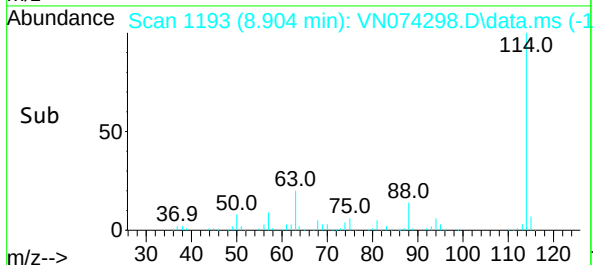
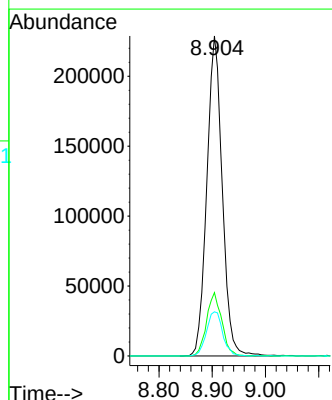
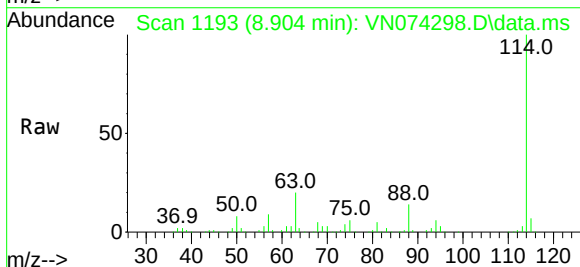
Tgt Ion: 114 Resp: 460599

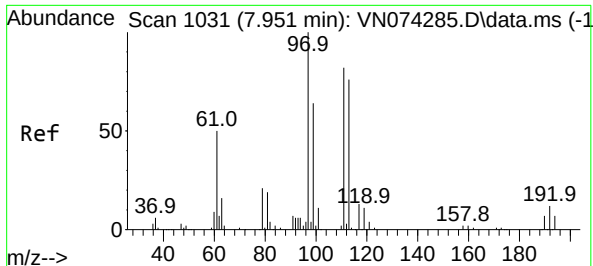
Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.0

88 13.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.220 ug/l

RT: 7.957 min Scan# 1042

Delta R.T. 0.006 min

Lab File: VN074298.D

Acq: 02 Sep 2022 20:35

Instrument :

MSVOA_N

ClientSampleId :

MW-28DL

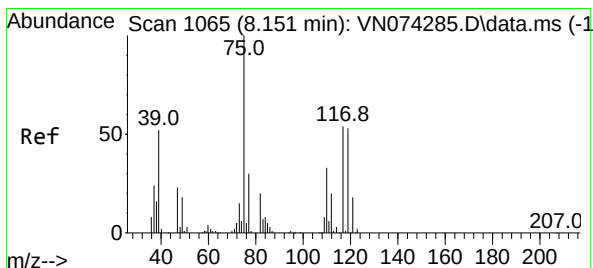
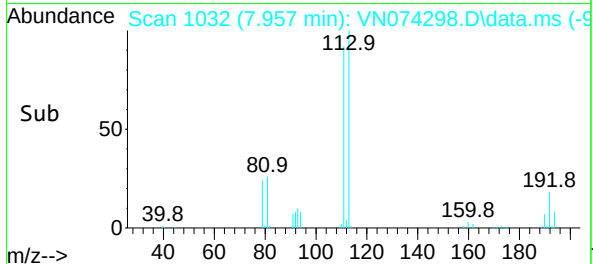
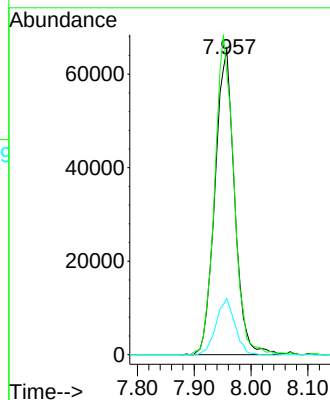
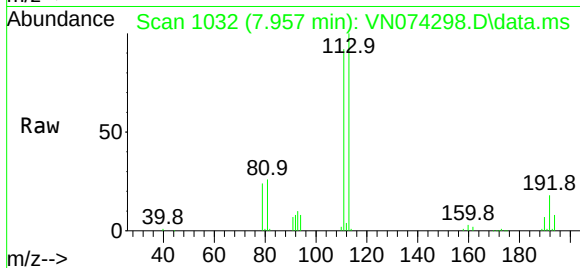
Tgt Ion:113 Resp: 156331

Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.0

192 17.7 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.145 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.141 min

Lab File: VN074298.D

Acq: 02 Sep 2022 20:35

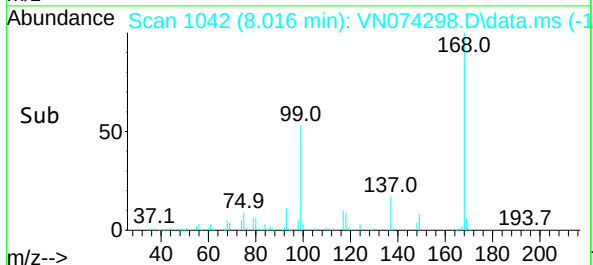
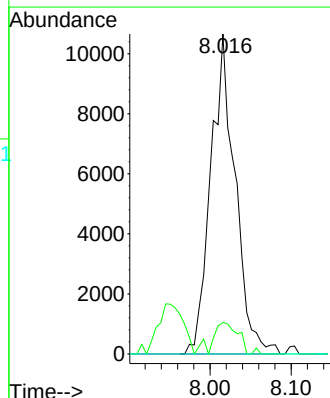
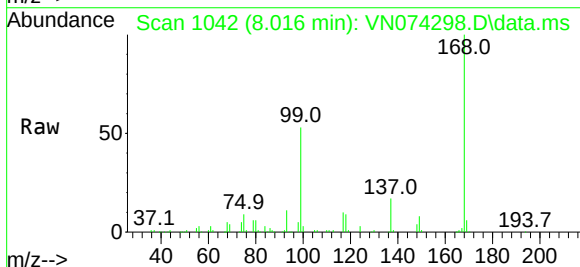
Tgt Ion: 75 Resp: 22289

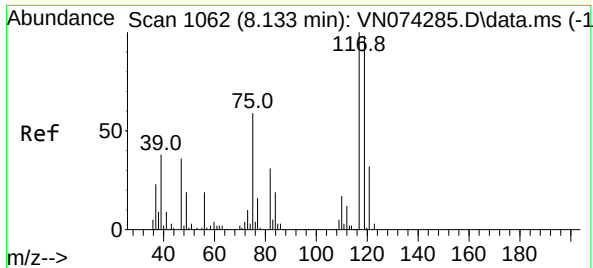
Ion Ratio Lower Upper

75 100

110 10.2 18.3 54.8#

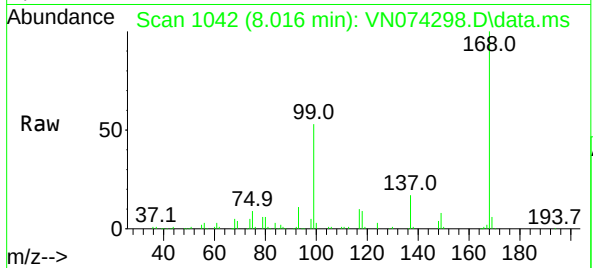
77 0.0 25.1 37.7#



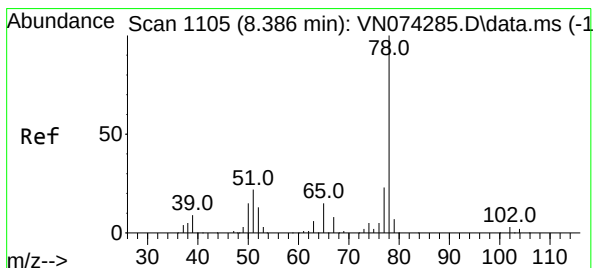
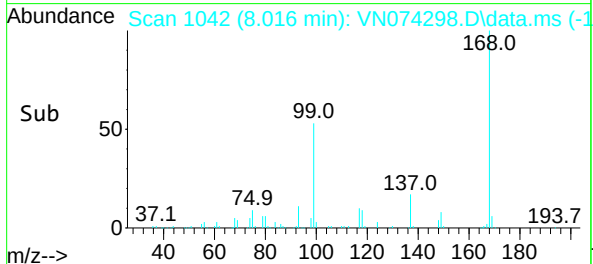
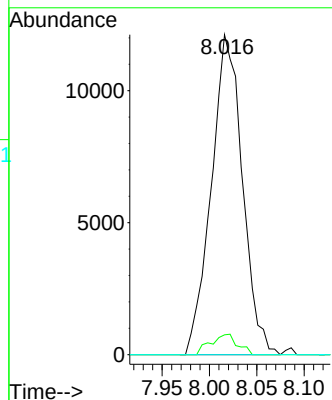


#38
Carbon Tetrachloride
Concen: 6.328 ug/l
RT: 8.016 min Scan# 1106
Delta R.T. -0.117 min
Lab File: VN074298.D
Acq: 02 Sep 2022 20:35

Instrument :
MSVOA_N
ClientSampleId :
MW-28DL

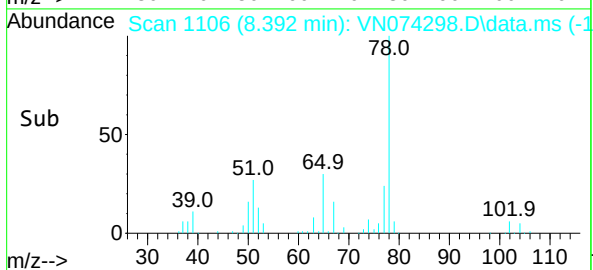
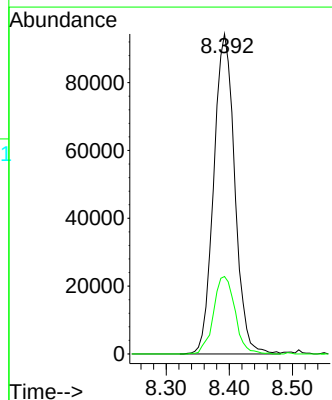
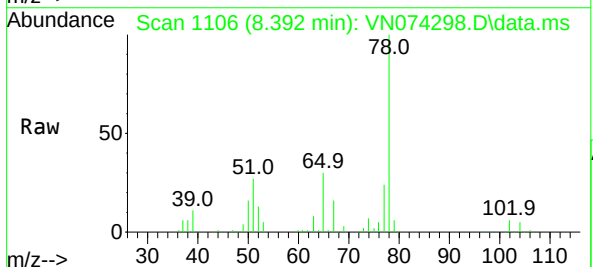


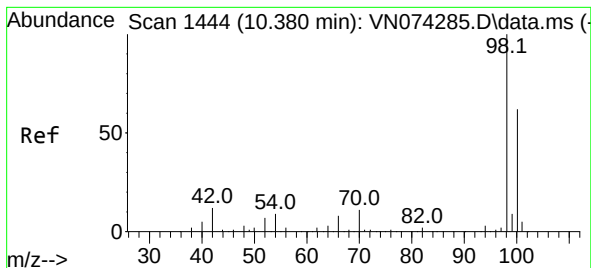
Tgt Ion:117 Resp: 27694
Ion Ratio Lower Upper
117 100
119 6.2 75.8 113.8#
121 0.0 24.6 37.0#



#40
Benzene
Concen: 15.965 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VN074298.D
Acq: 02 Sep 2022 20:35

Tgt Ion: 78 Resp: 218168
Ion Ratio Lower Upper
78 100
77 24.2 19.4 29.0

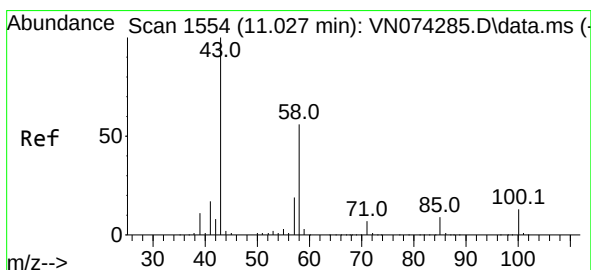
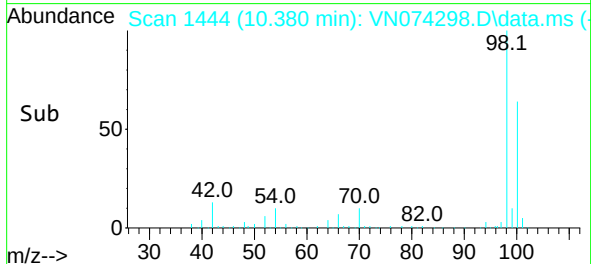
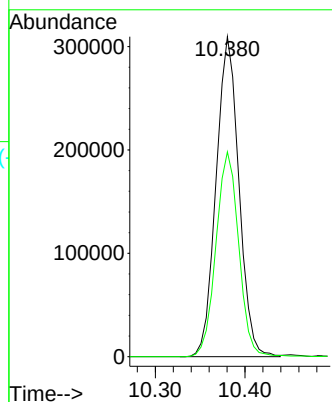
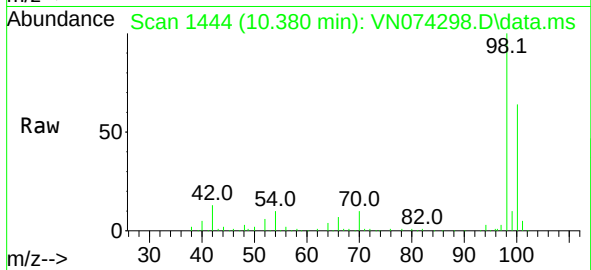




#50
Toluene-d8
Concen: 45.391 ug/l
RT: 10.380 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN074298.D
Acq: 02 Sep 2022 20:35

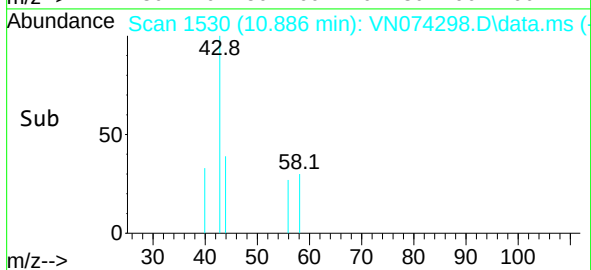
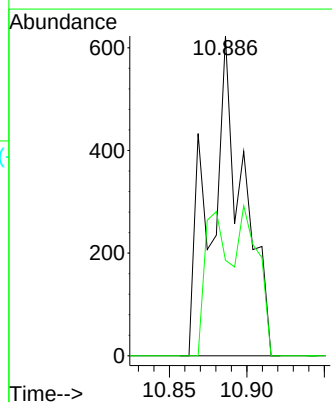
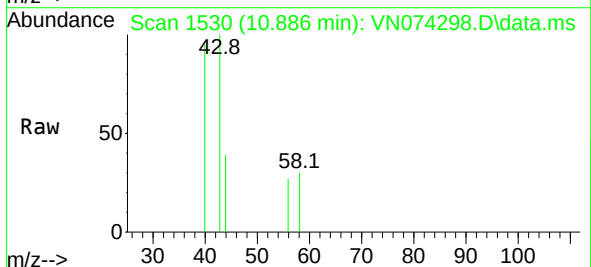
Instrument :
MSVOA_N
ClientSampleId :
MW-28DL

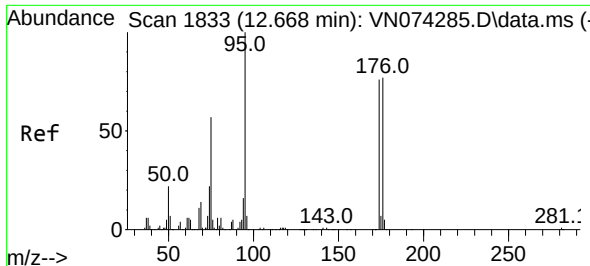
Tgt Ion: 98 Resp: 546293
Ion Ratio Lower Upper
98 100
100 63.9 52.6 78.8



#59
2-Hexanone
Concen: 0.208 ug/l
RT: 10.886 min Scan# 1530
Delta R.T. -0.141 min
Lab File: VN074298.D
Acq: 02 Sep 2022 20:35

Tgt Ion: 43 Resp: 908
Ion Ratio Lower Upper
43 100
58 35.1 29.7 89.1

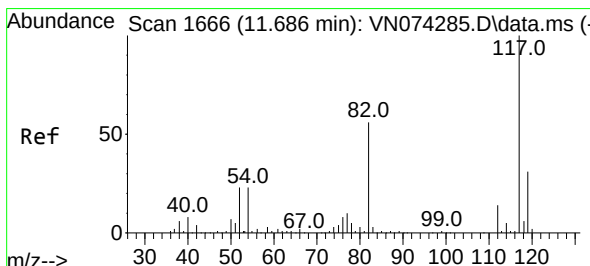
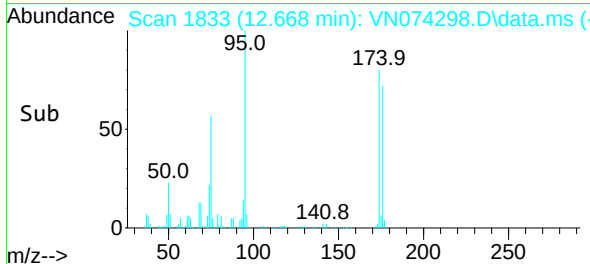
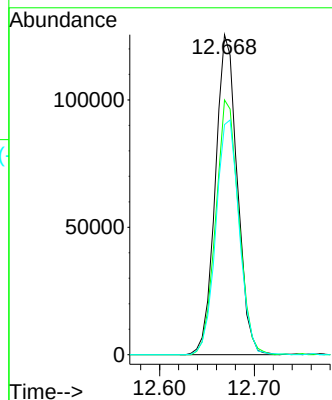
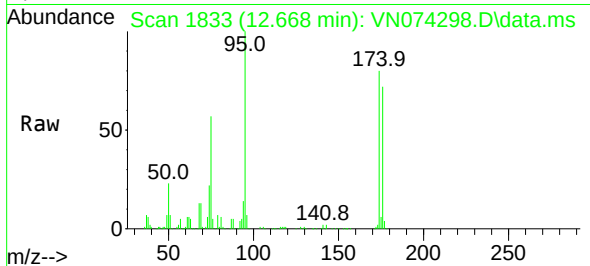




#62
4-Bromofluorobenzene
Concen: 46.153 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.001 min
Lab File: VN074298.D
Acq: 02 Sep 2022 20:35

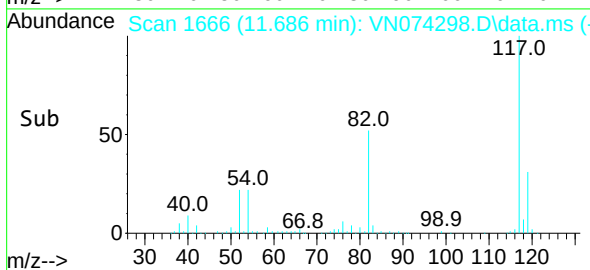
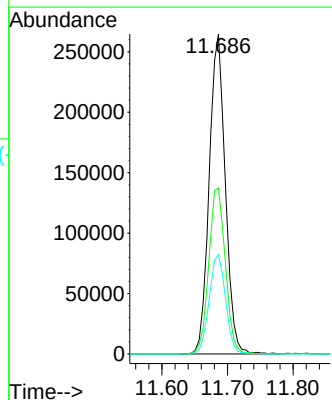
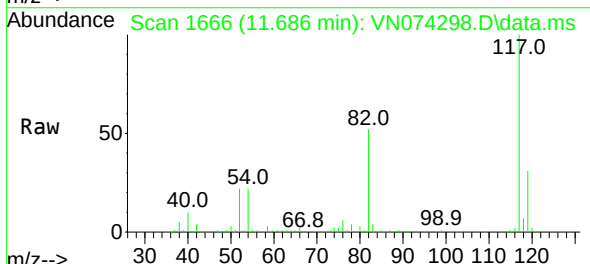
Instrument :
MSVOA_N
ClientSampleId :
MW-28DL

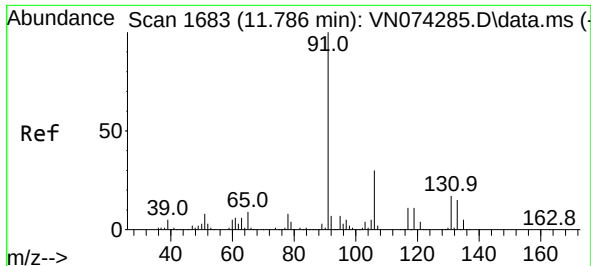
Tgt Ion: 95 Resp: 202233
Ion Ratio Lower Upper
95 100
174 83.1 0.0 167.6
176 77.8 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074298.D
Acq: 02 Sep 2022 20:35

Tgt Ion: 117 Resp: 452203
Ion Ratio Lower Upper
117 100
82 51.9 44.2 66.2
119 31.0 25.4 38.0

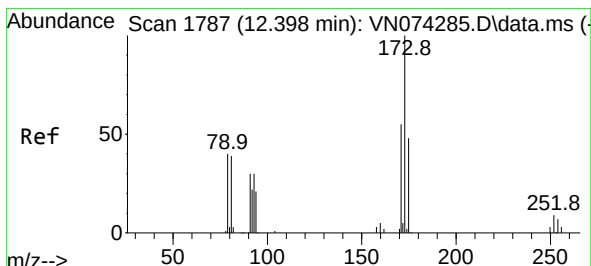
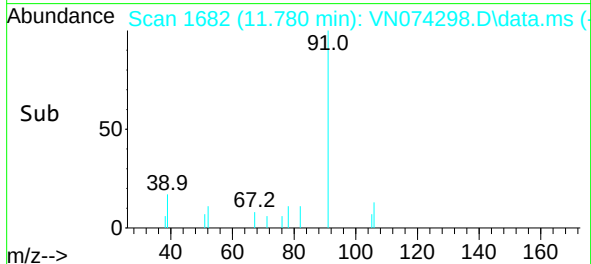
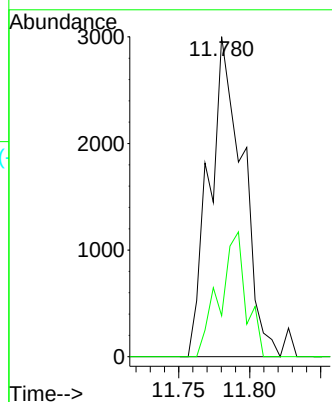
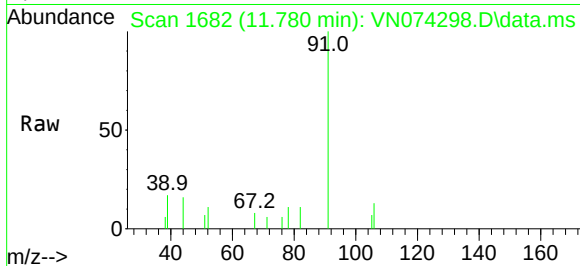




#67
Ethyl Benzene
Concen: 0.269 ug/l
RT: 11.780 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN074298.D
Acq: 02 Sep 2022 20:35

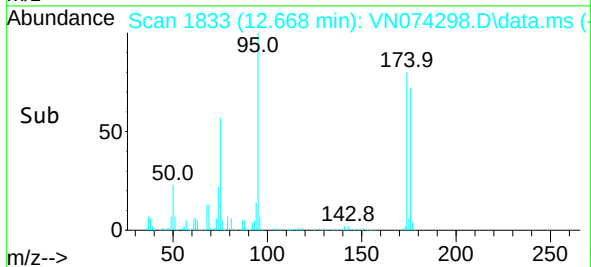
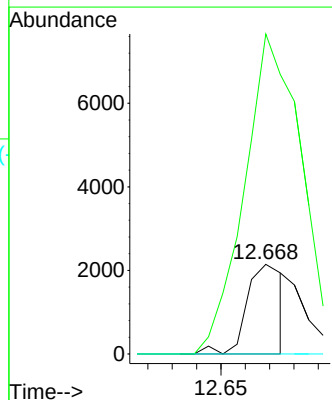
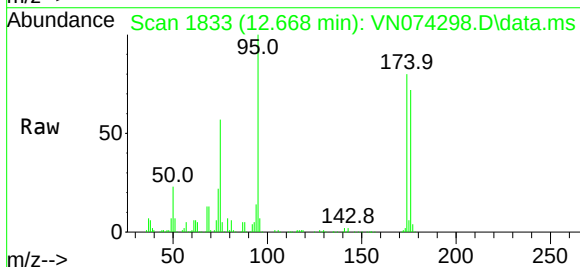
Instrument :
MSVOA_N
ClientSampleId :
MW-28DL

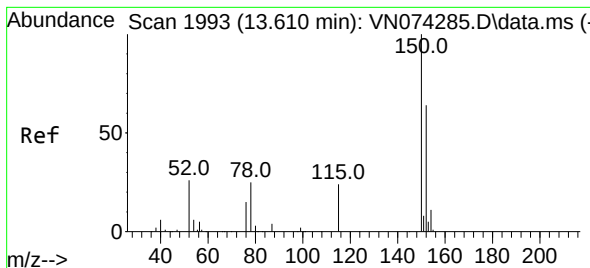
Tgt Ion: 91 Resp: 4909
Ion Ratio Lower Upper
91 100
106 12.8 24.9 37.3#



#71
Bromoform
Concen: 0.834 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.270 min
Lab File: VN074298.D
Acq: 02 Sep 2022 20:35

Tgt Ion:173 Resp: 2218
Ion Ratio Lower Upper
173 100
175 384.6 24.6 73.6#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.610 min Scan# 1993

Delta R.T. -0.000 min

Lab File: VN074298.D

Acq: 02 Sep 2022 20:35

Instrument :

MSVOA_N

ClientSampleId :

MW-28DL

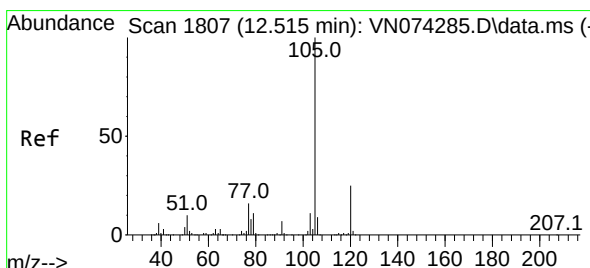
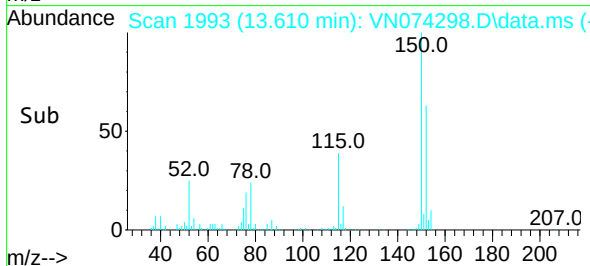
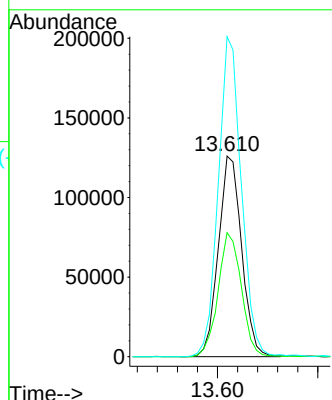
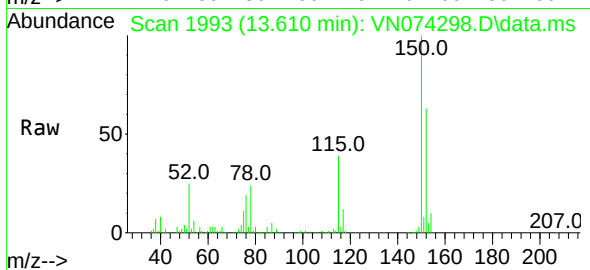
Tgt Ion:152 Resp: 202873

Ion Ratio Lower Upper

152 100

115 61.8 28.9 86.7

150 158.6 0.0 356.2



#73

Isopropylbenzene

Concen: 0.448 ug/l

RT: 12.521 min Scan# 1808

Delta R.T. 0.005 min

Lab File: VN074298.D

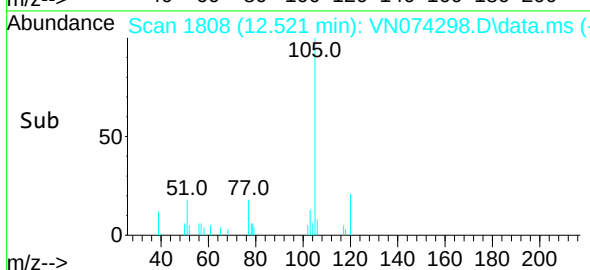
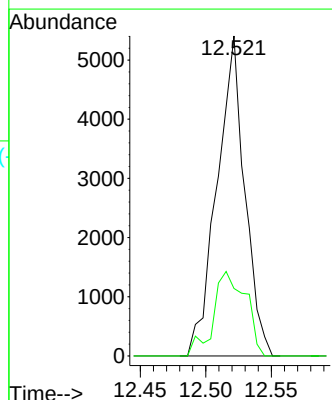
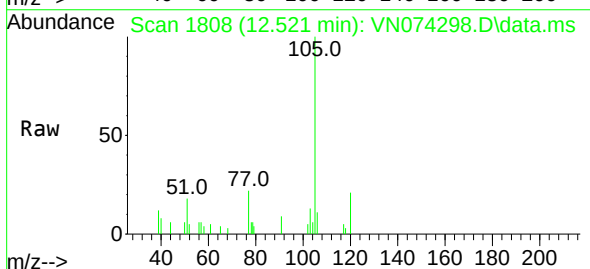
Acq: 02 Sep 2022 20:35

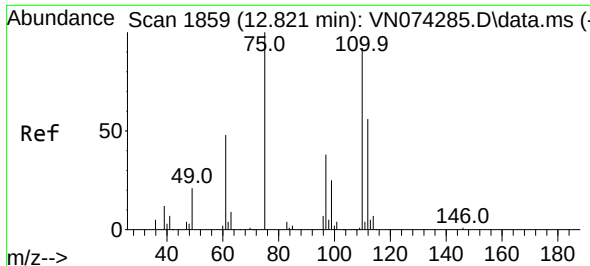
Tgt Ion:105 Resp: 7961

Ion Ratio Lower Upper

105 100

120 30.8 13.5 40.4

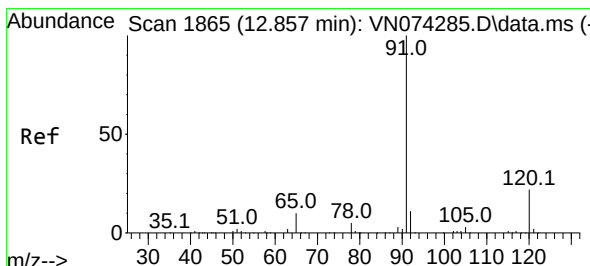
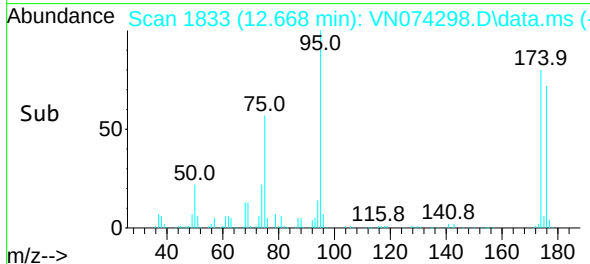
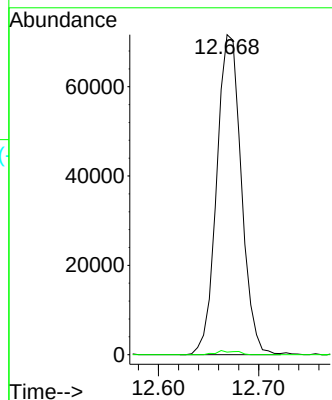
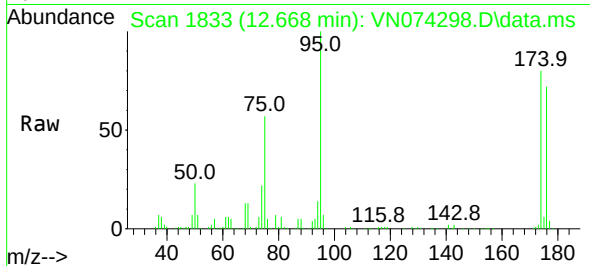




#76
1,2,3-Trichloropropane
Concen: 21.207 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.153 min
Lab File: VN074298.D
Acq: 02 Sep 2022 20:35

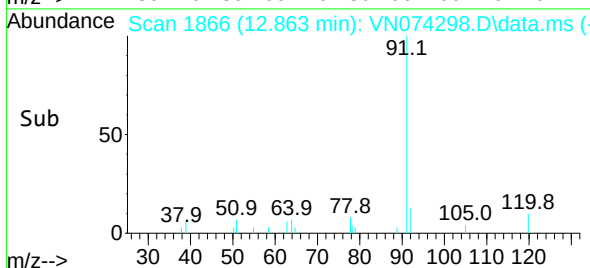
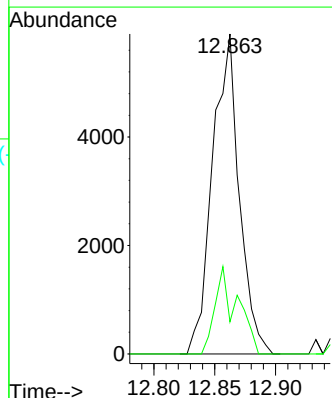
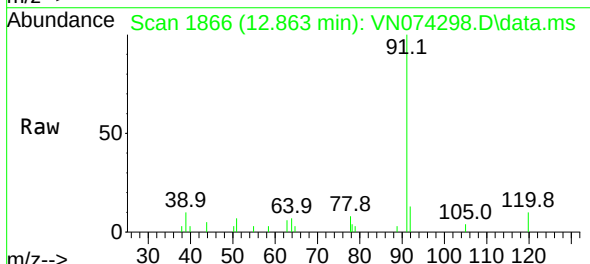
Instrument :
MSVOA_N
ClientSampleId :
MW-28DL

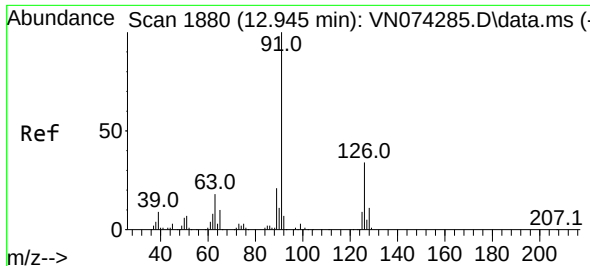
Tgt Ion: 75 Resp: 121853
Ion Ratio Lower Upper
75 100
77 1.0 98.5 295.5#



#78
n-propylbenzene
Concen: 0.445 ug/l
RT: 12.863 min Scan# 1866
Delta R.T. -0.000 min
Lab File: VN074298.D
Acq: 02 Sep 2022 20:35

Tgt Ion: 91 Resp: 9029
Ion Ratio Lower Upper
91 100
120 22.7 11.9 35.5

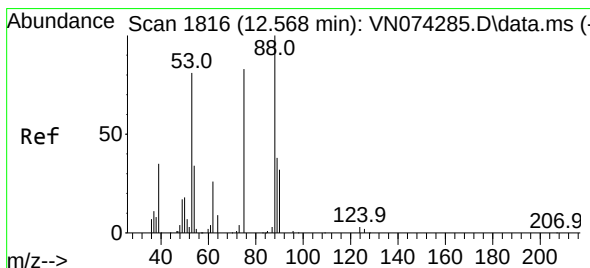
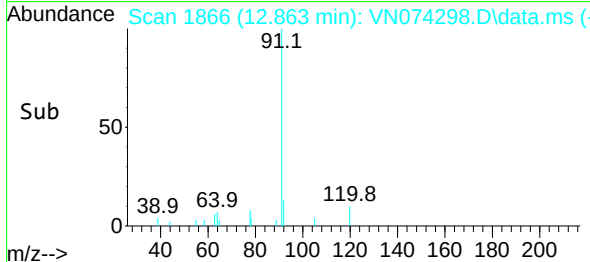
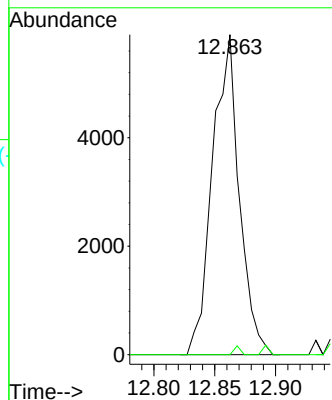
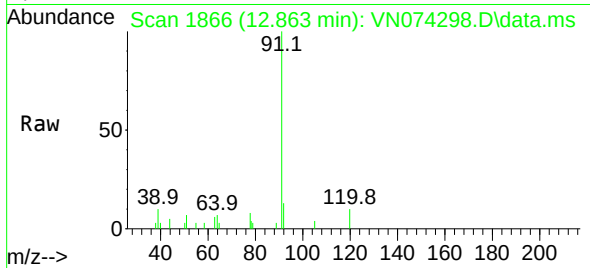




#79
2-Chlorotoluene
Concen: 0.724 ug/l
RT: 12.863 min Scan# 1866
Delta R.T. -0.082 min
Lab File: VN074298.D
Acq: 02 Sep 2022 20:35

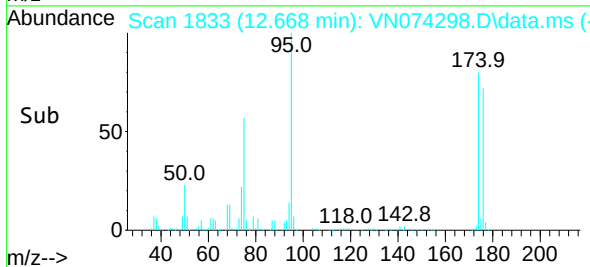
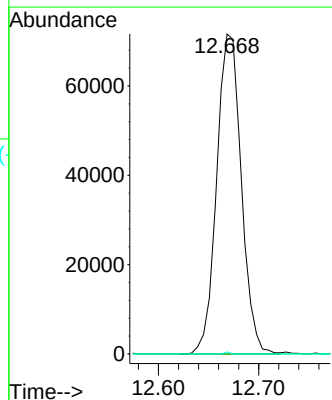
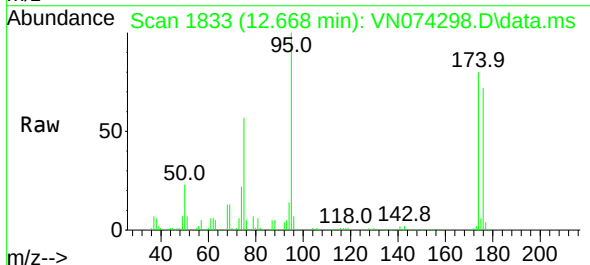
Instrument :
MSVOA_N
ClientSampleId :
MW-28DL

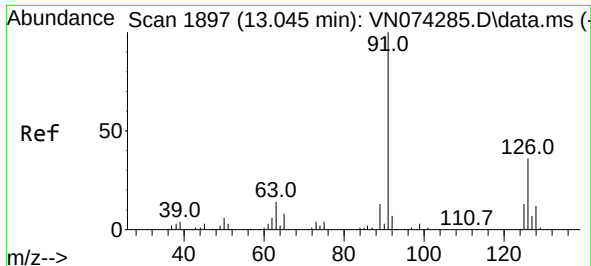
Tgt Ion: 91 Resp: 9029
Ion Ratio Lower Upper
91 100
126 0.6 17.3 51.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.845 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.105 min
Lab File: VN074298.D
Acq: 02 Sep 2022 20:35

Tgt Ion: 75 Resp: 121853
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 37.2 55.8#

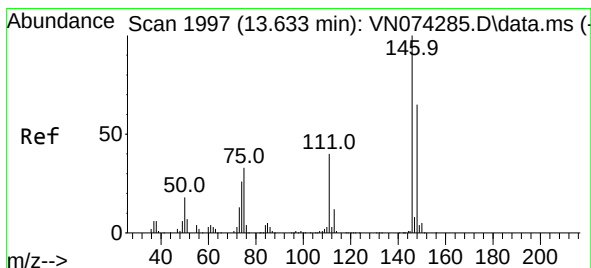
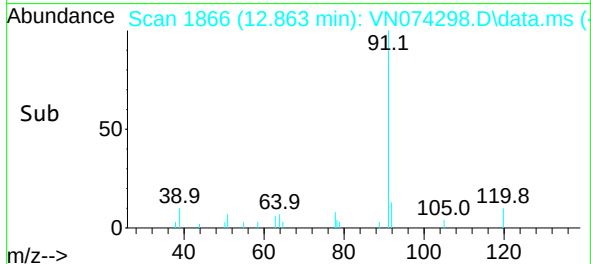
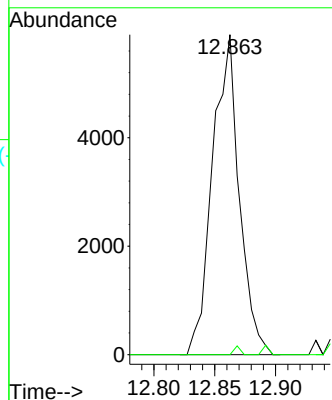
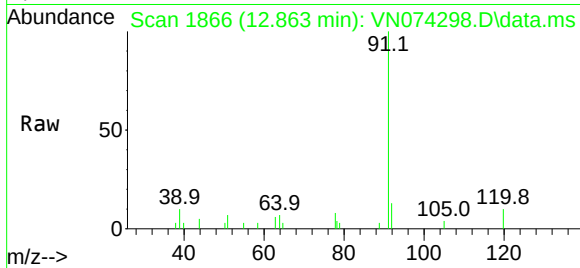




#82
4-Chlorotoluene
Concen: 0.771 ug/l
RT: 12.863 min Scan# 11
Delta R.T. -0.182 min
Lab File: VN074298.D
Acq: 02 Sep 2022 20:35

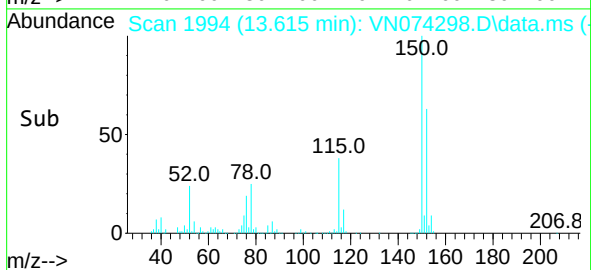
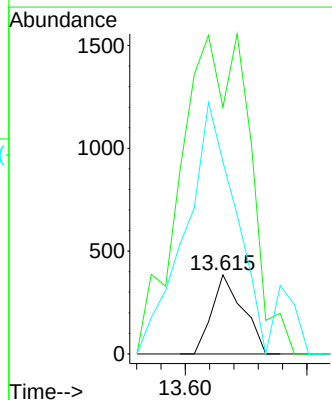
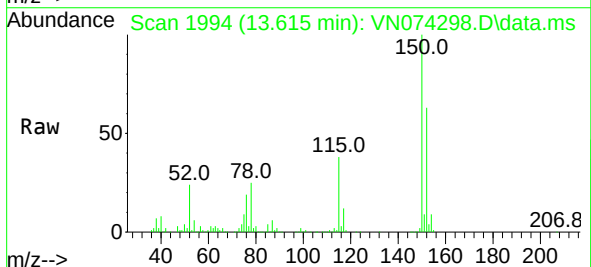
Instrument :
MSVOA_N
ClientSampleId :
MW-28DL

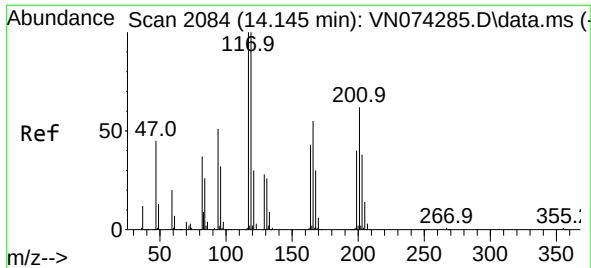
Tgt Ion: 91 Resp: 9029
Ion Ratio Lower Upper
91 100
126 0.6 17.2 51.6#



#88
1,4-Dichlorobenzene
Concen: 0.212 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. -0.018 min
Lab File: VN074298.D
Acq: 02 Sep 2022 20:35

Tgt Ion:146 Resp: 339
Ion Ratio Lower Upper
146 100
111 899.7 19.1 57.1#
148 514.5 31.4 94.3#

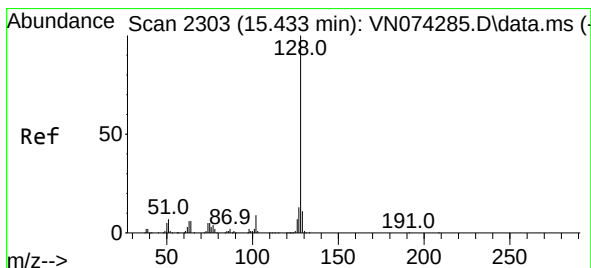
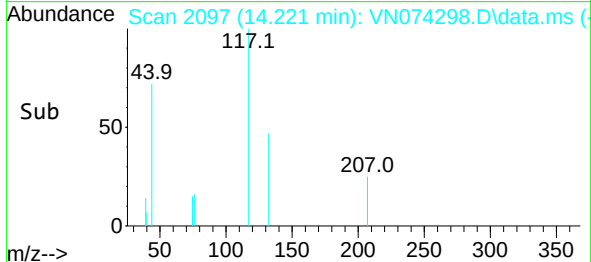
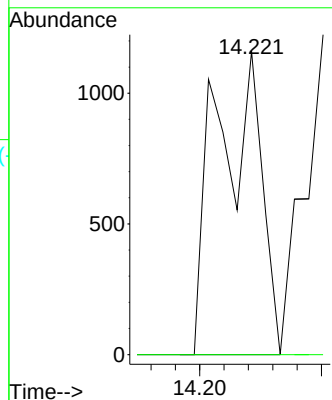
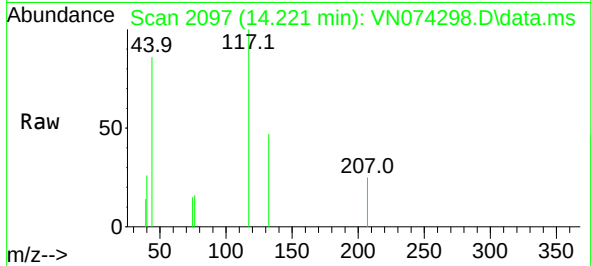




#90
Hexachloroethane
Concen: 0.536 ug/l
RT: 14.221 min Scan# 2084
Delta R.T. 0.070 min
Lab File: VN074298.D
Acq: 02 Sep 2022 20:35

Instrument :
MSVOA_N
ClientSampleId :
MW-28DL

Tgt Ion:117 Resp: 1466
Ion Ratio Lower Upper
117 100
201 0.0 40.6 122.0#



#95
Naphthalene
Concen: 1.004 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN074298.D
Acq: 02 Sep 2022 20:35

Tgt Ion:128 Resp: 3585
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 0.0 8.6 13.0#

