

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090222\
 Data File : VN074307.D
 Acq On : 03 Sep 2022 00:14
 Operator : JC\MD
 Sample : N4355-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-43

Quant Time: Sep 03 04:43:06 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)

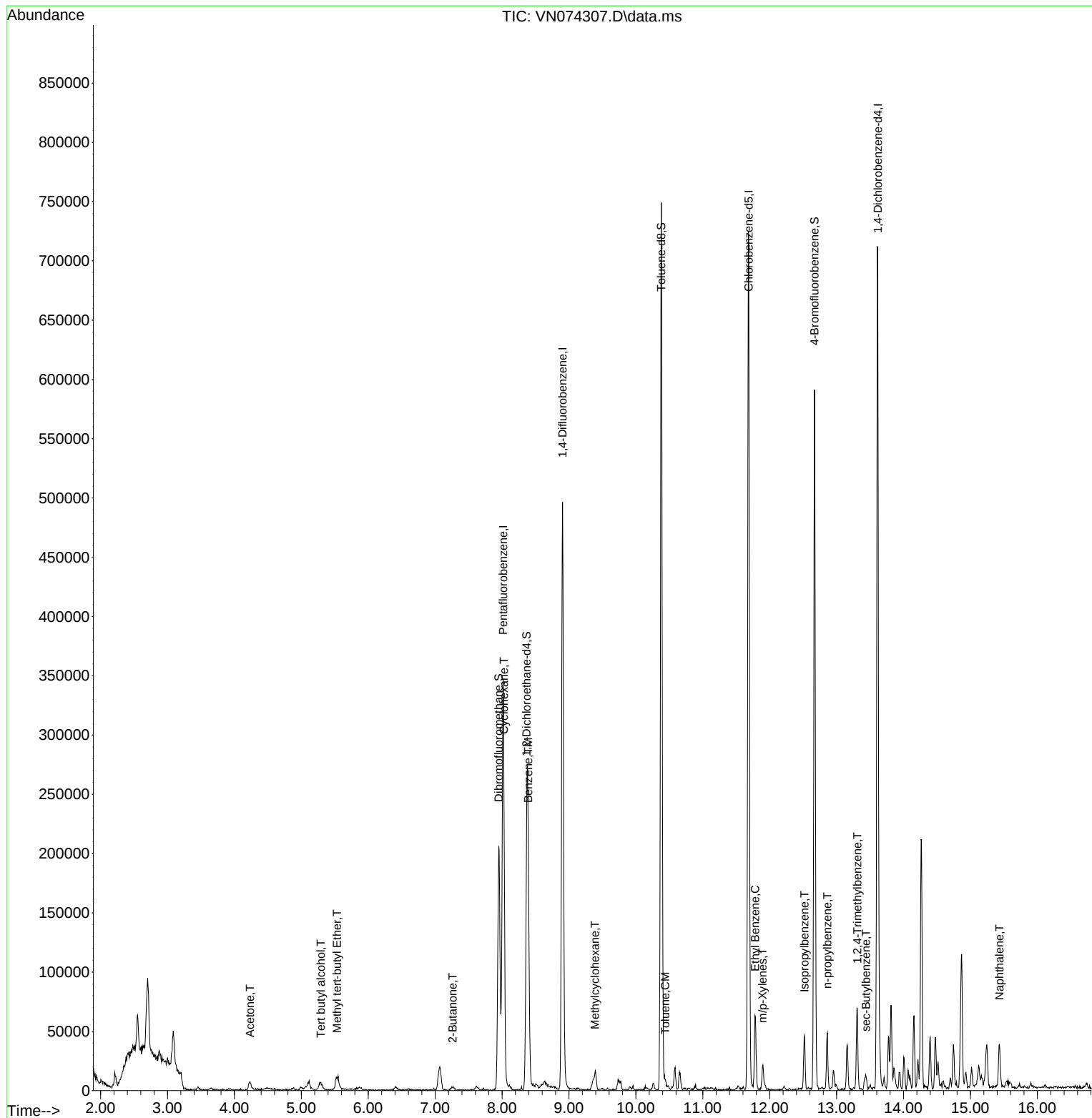
Internal Standards						
1) Pentafluorobenzene	8.016	168	230348	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	424447	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	402320	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	179805	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	159509	44.422	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.840%		
35) Dibromofluoromethane	7.951	113	142945	50.823	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.640%		
50) Toluene-d8	10.380	98	491173	44.287	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	88.580%		
62) 4-Bromofluorobenzene	12.669	95	172761	42.993	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	85.980%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.293	59	11600	17.807	ug/l #	76
16) Acetone	4.234	43	12647	8.428	ug/l	100
19) Methyl tert-butyl Ether	5.534	73	14311	1.592	ug/l #	86
25) 2-Butanone	7.263	43	4391	1.733	ug/l #	74
31) Cyclohexane	8.028	56	18383	3.833	ug/l #	88
39) Methylcyclohexane	9.386	83	6265	1.303	ug/l #	72
40) Benzene	8.392	78	134892	10.712	ug/l	95
52) Toluene	10.439	92	1931	0.248	ug/l	99
67) Ethyl Benzene	11.780	91	40904	2.523	ug/l	95
68) m/p-Xylenes	11.892	106	5778	0.955	ug/l	93
73) Isopropylbenzene	12.522	105	26786	1.701	ug/l	100
78) n-propylbenzene	12.863	91	35286	1.961	ug/l	99
84) 1,2,4-Trimethylbenzene	13.310	105	36877	2.884	ug/l	100
85) sec-Butylbenzene	13.439	105	6901	0.431	ug/l	97
95) Naphthalene	15.433	128	31124	3.119	ug/l	99

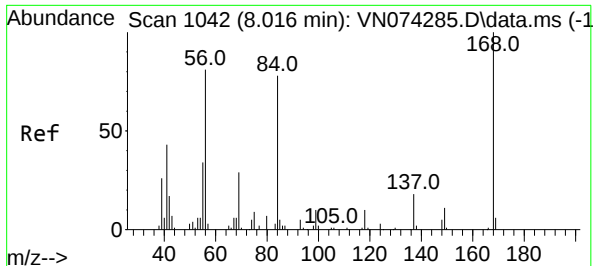
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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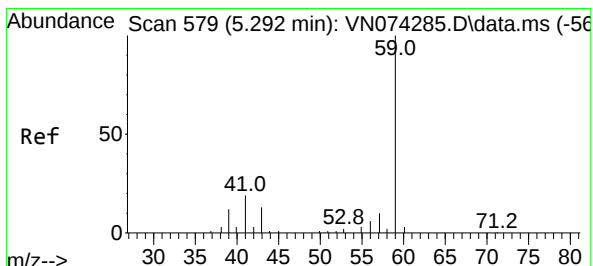
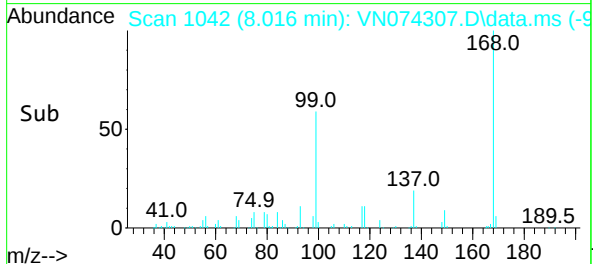
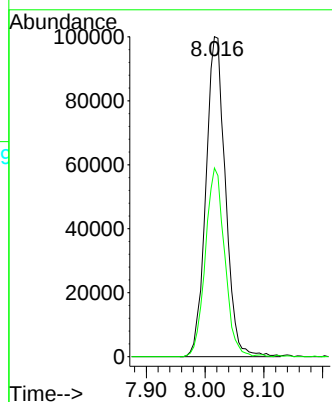
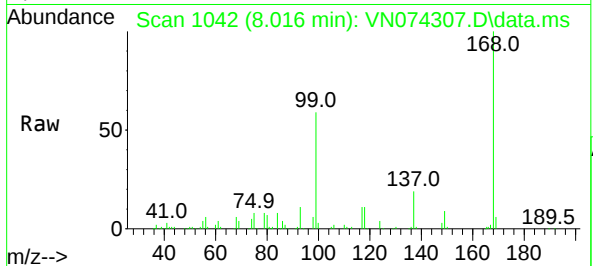




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074307.D
Acq: 03 Sep 2022 00:14

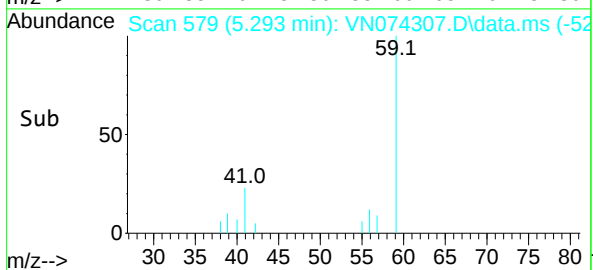
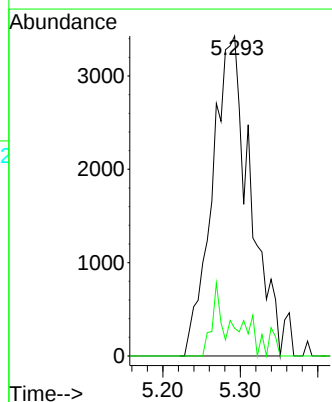
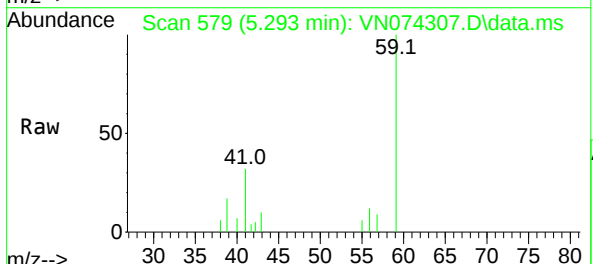
Instrument :
MSVOA_N
ClientSampleId :
MW-43

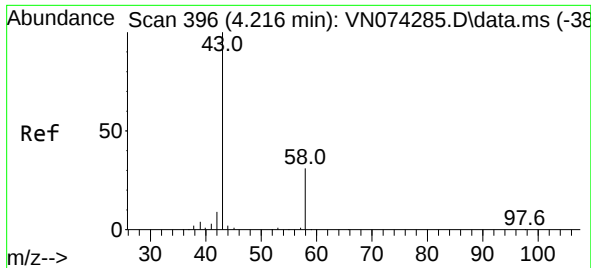
Tgt Ion:168 Resp: 230348
Ion Ratio Lower Upper
168 100
99 59.0 42.3 63.5



#11
Tert butyl alcohol
Concen: 17.807 ug/l
RT: 5.293 min Scan# 579
Delta R.T. 0.006 min
Lab File: VN074307.D
Acq: 03 Sep 2022 00:14

Tgt Ion: 59 Resp: 11600
Ion Ratio Lower Upper
59 100
57 1.3 8.3 12.5#





#16

Acetone

Concen: 8.428 ug/l

RT: 4.234 min Scan# 396

Delta R.T. 0.012 min

Lab File: VN074307.D

Acq: 03 Sep 2022 00:14

Instrument :

MSVOA_N

ClientSampleId :

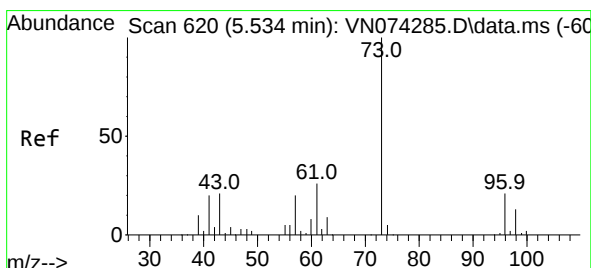
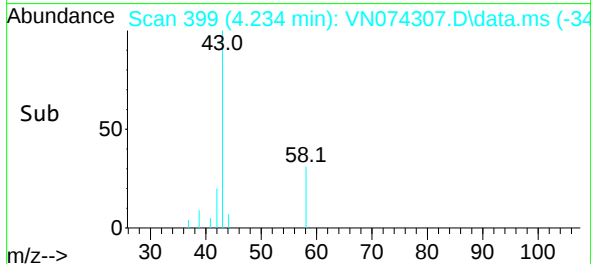
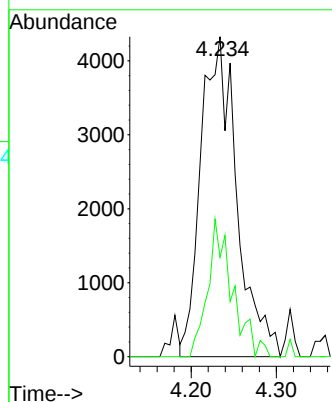
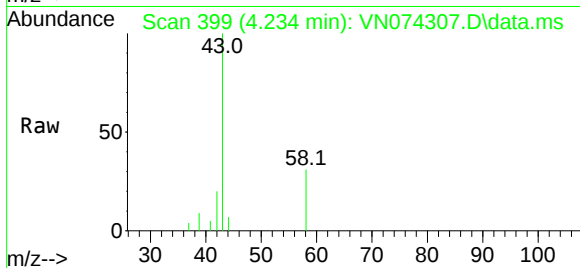
MW-43

Tgt Ion: 43 Resp: 12647

Ion Ratio Lower Upper

43 100

58 32.3 26.0 39.0



#19

Methyl tert-butyl Ether

Concen: 1.592 ug/l

RT: 5.534 min Scan# 620

Delta R.T. -0.000 min

Lab File: VN074307.D

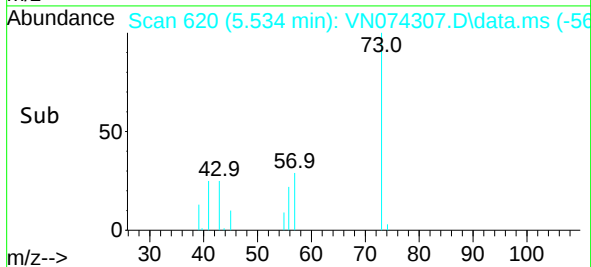
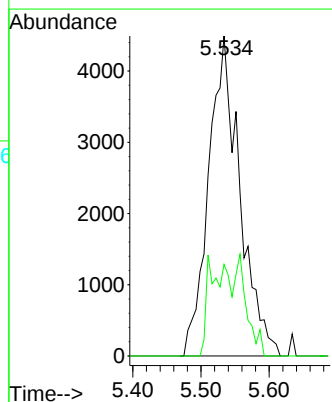
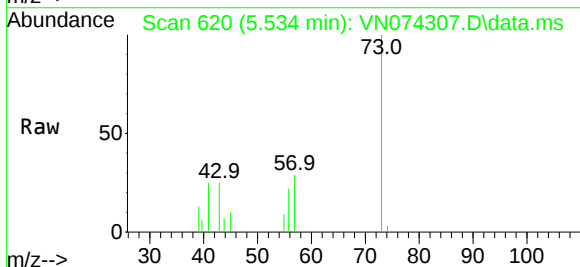
Acq: 03 Sep 2022 00:14

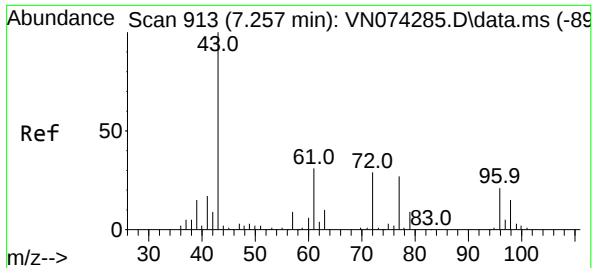
Tgt Ion: 73 Resp: 14311

Ion Ratio Lower Upper

73 100

57 28.6 17.6 26.4#

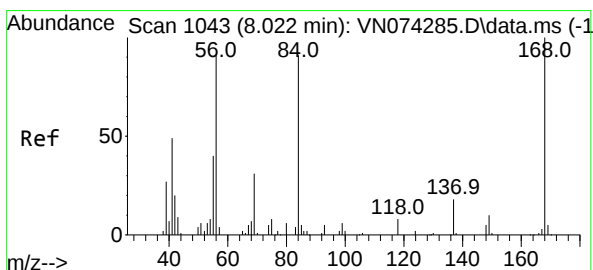
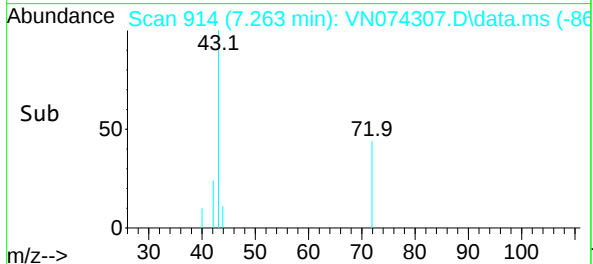
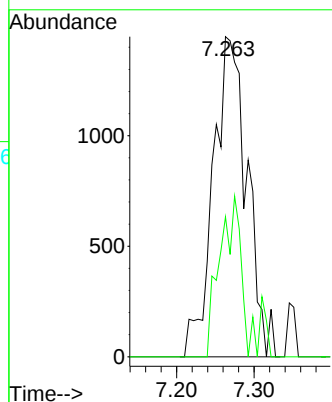
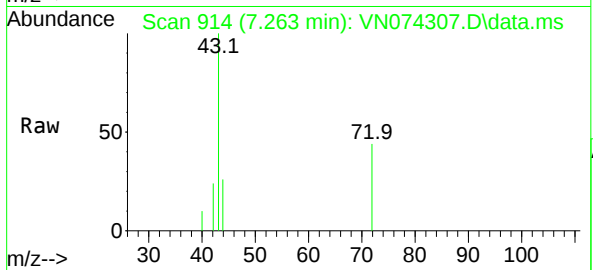




#25
2-Butanone
Concen: 1.733 ug/l
RT: 7.263 min Scan# 914
Delta R.T. 0.006 min
Lab File: VN074307.D
Acq: 03 Sep 2022 00:14

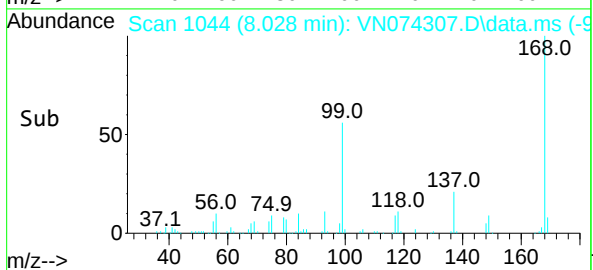
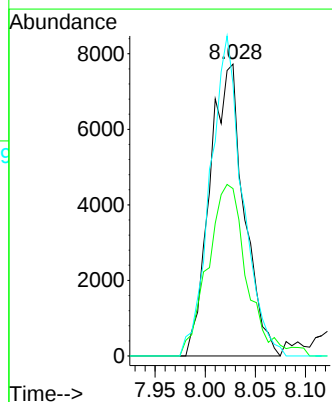
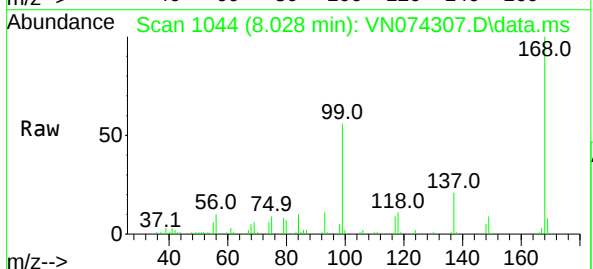
Instrument :
MSVOA_N
ClientSampleId :
MW-43

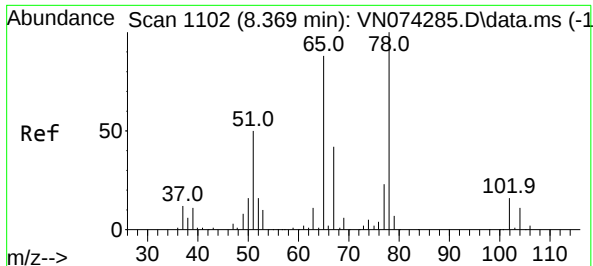
Tgt Ion: 43 Resp: 4391
Ion Ratio Lower Upper
43 100
72 43.7 23.7 35.5#



#31
Cyclohexane
Concen: 3.833 ug/l
RT: 8.028 min Scan# 1044
Delta R.T. 0.006 min
Lab File: VN074307.D
Acq: 03 Sep 2022 00:14

Tgt Ion: 56 Resp: 18383
Ion Ratio Lower Upper
56 100
69 57.3 27.8 41.8#
84 93.2 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 44.422 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN074307.D

Acq: 03 Sep 2022 00:14

Instrument :

MSVOA_N

ClientSampleId :

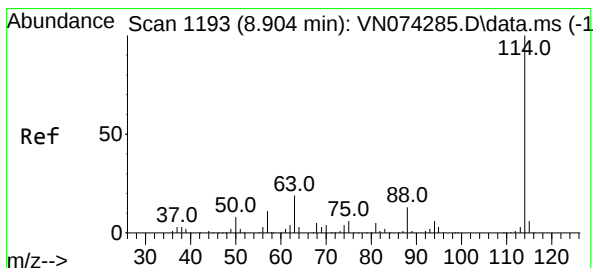
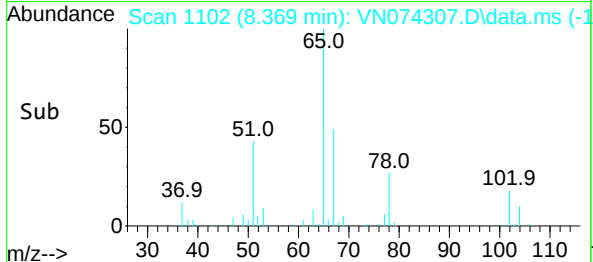
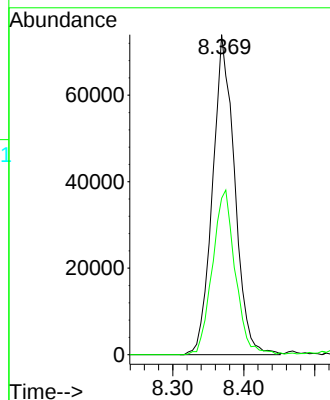
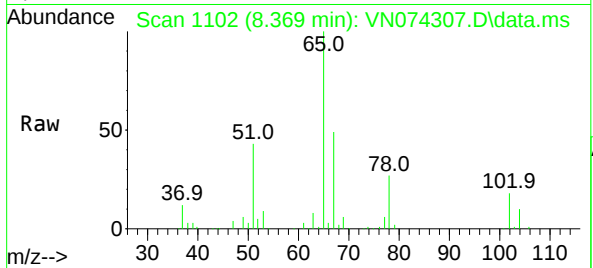
MW-43

Tgt Ion: 65 Resp: 159509

Ion Ratio Lower Upper

65 100

67 53.2 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: VN074307.D

Acq: 03 Sep 2022 00:14

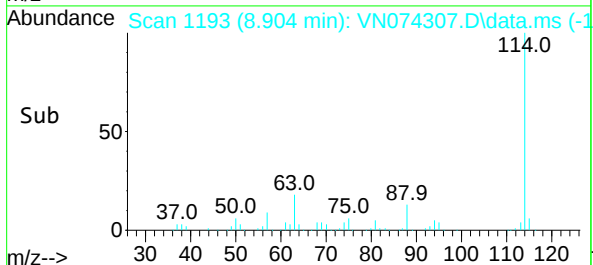
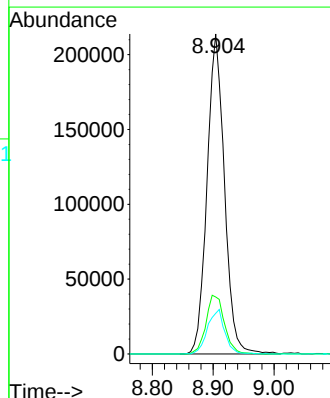
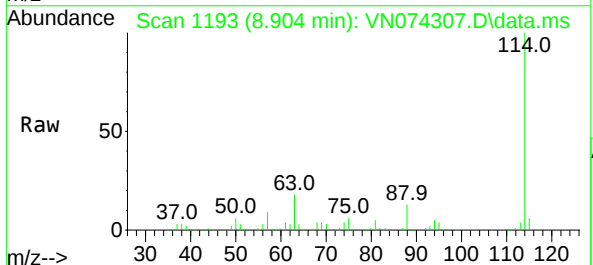
Tgt Ion: 114 Resp: 424447

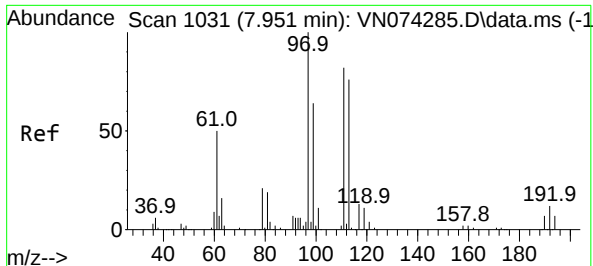
Ion Ratio Lower Upper

114 100

63 17.8 0.0 40.0

88 12.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.823 ug/l

RT: 7.951 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN074307.D

Acq: 03 Sep 2022 00:14

Instrument :

MSVOA_N

ClientSampleId :

MW-43

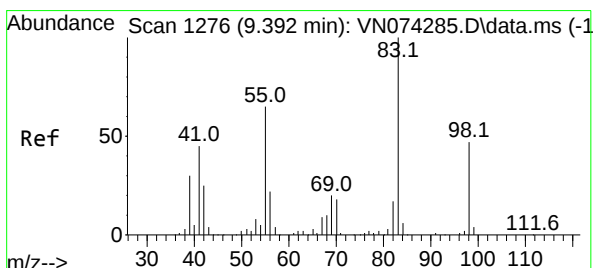
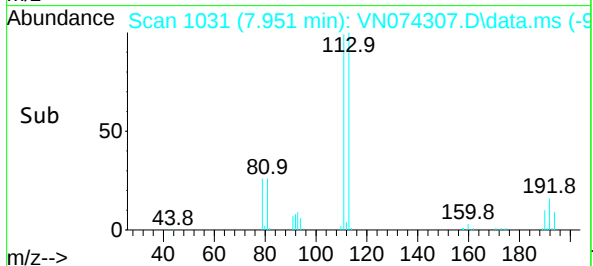
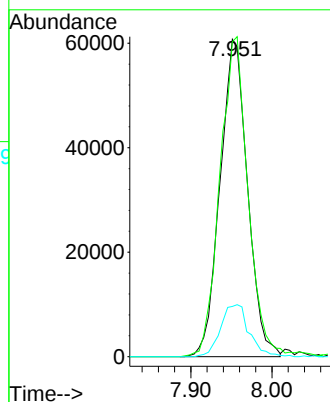
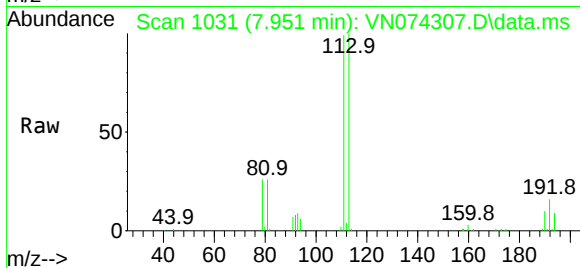
Tgt Ion:113 Resp: 142945

Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.0

192 17.0 17.0 25.6#



#39

Methylcyclohexane

Concen: 1.303 ug/l

RT: 9.386 min Scan# 1275

Delta R.T. -0.006 min

Lab File: VN074307.D

Acq: 03 Sep 2022 00:14

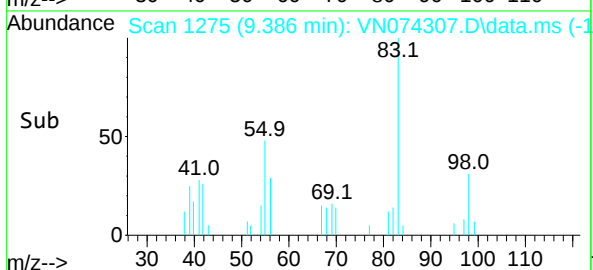
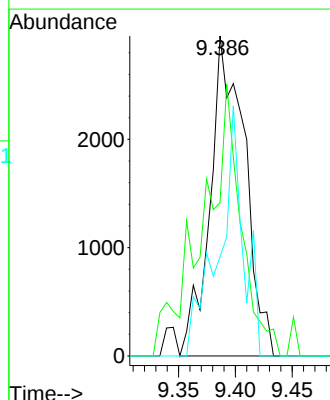
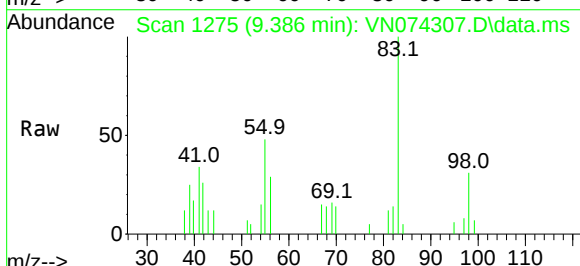
Tgt Ion: 83 Resp: 6265

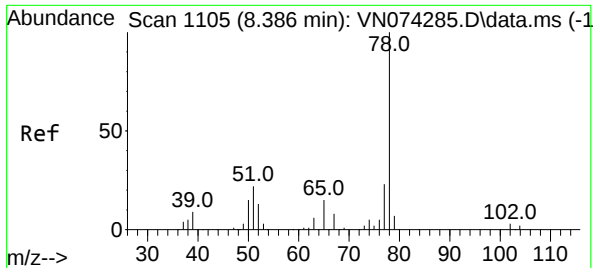
Ion Ratio Lower Upper

83 100

55 47.9 57.8 86.8#

98 30.9 39.4 59.2#

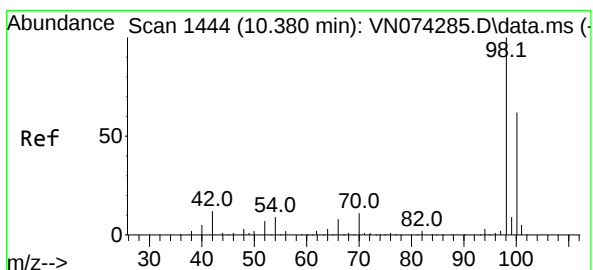
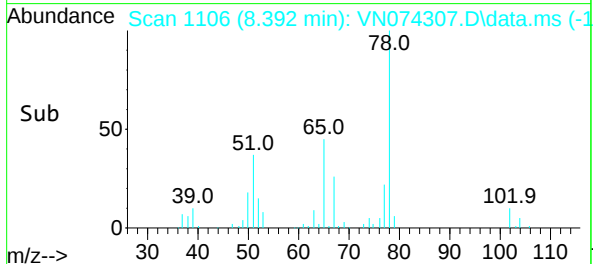
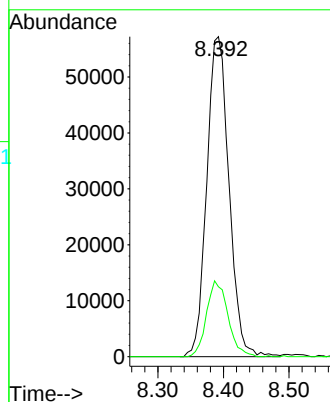
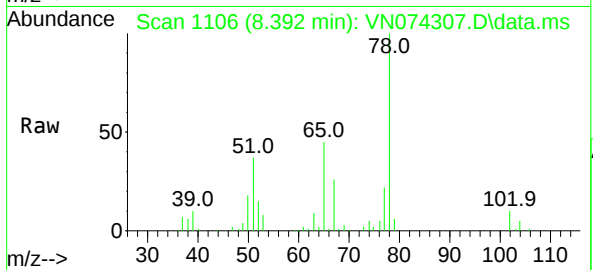




#40
Benzene
Concen: 10.712 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VN074307.D
Acq: 03 Sep 2022 00:14

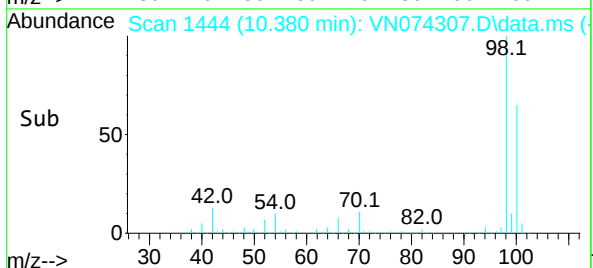
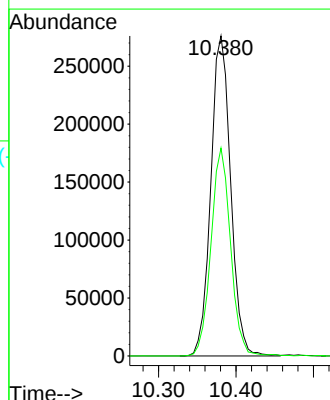
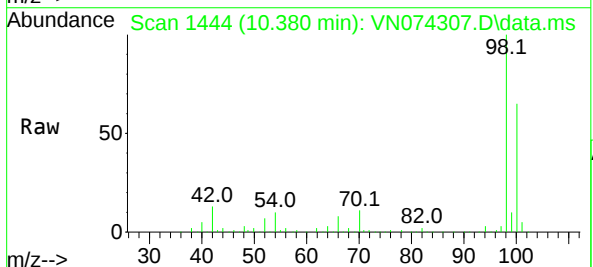
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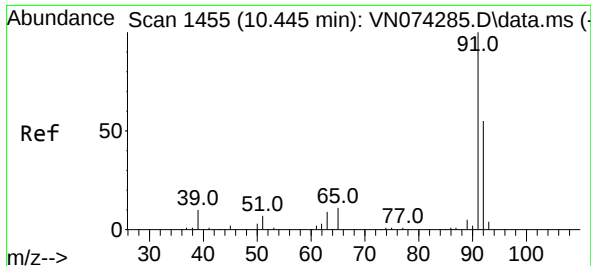
Tgt Ion: 78 Resp: 134892
Ion Ratio Lower Upper
78 100
77 21.9 19.4 29.0



#50
Toluene-d8
Concen: 44.287 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074307.D
Acq: 03 Sep 2022 00:14

Tgt Ion: 98 Resp: 491173
Ion Ratio Lower Upper
98 100
100 64.3 52.6 78.8

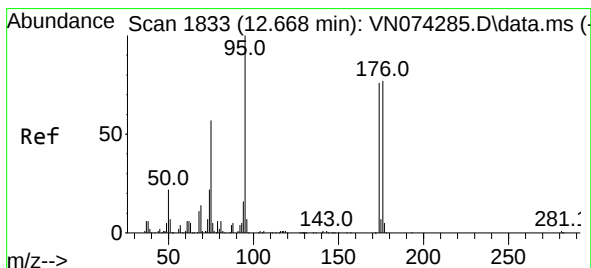
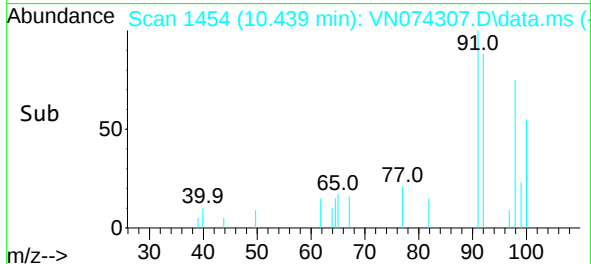
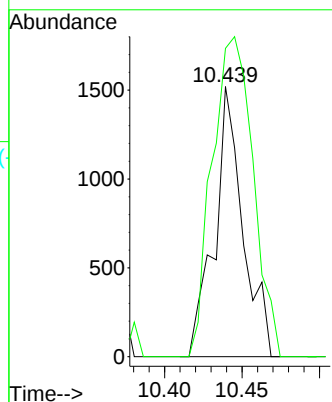
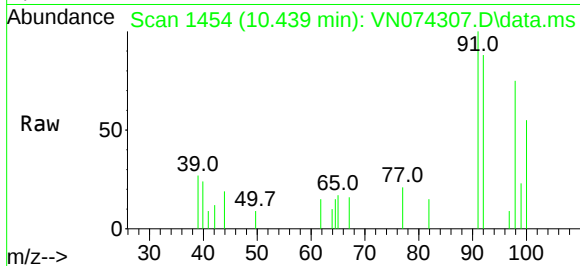




#52
Toluene
Concen: 0.248 ug/l
RT: 10.439 min Scan# 1454
Delta R.T. -0.006 min
Lab File: VN074307.D
Acq: 03 Sep 2022 00:14

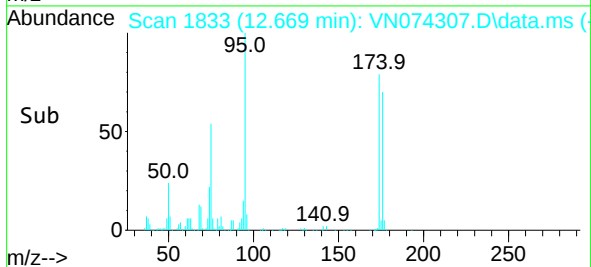
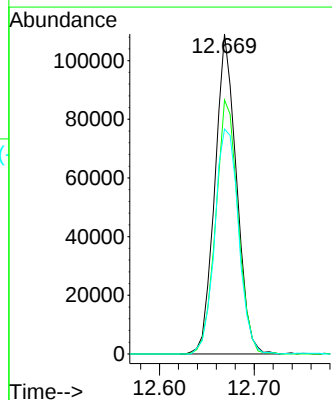
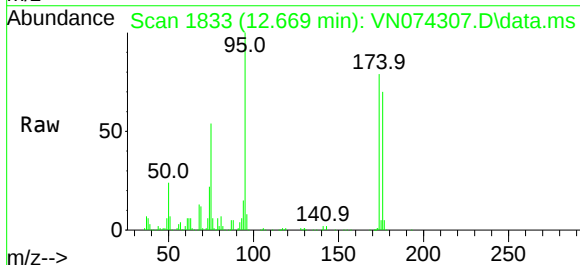
Instrument :
MSVOA_N
ClientSampleId :
MW-43

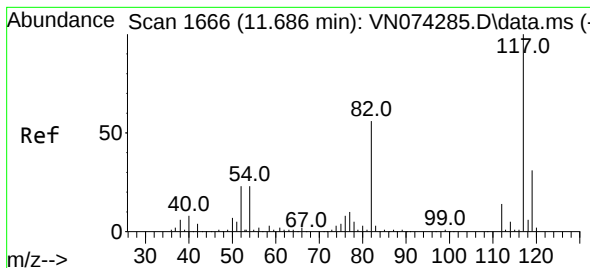
Tgt Ion: 92 Resp: 1931
Ion Ratio Lower Upper
92 100
91 171.6 138.6 207.8



#62
4-Bromofluorobenzene
Concen: 42.993 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN074307.D
Acq: 03 Sep 2022 00:14

Tgt Ion: 95 Resp: 172761
Ion Ratio Lower Upper
95 100
174 81.9 0.0 167.6
176 77.4 0.0 163.4

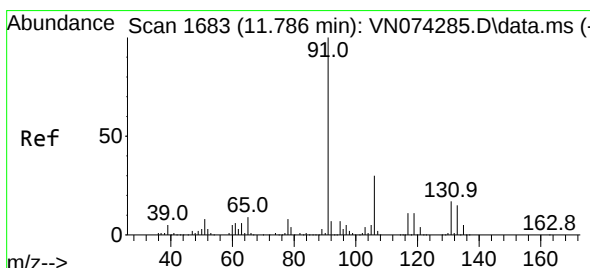
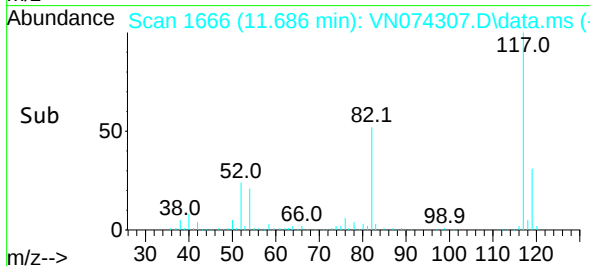
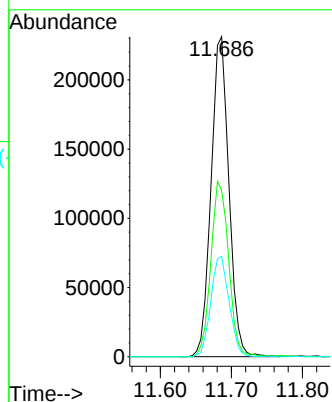
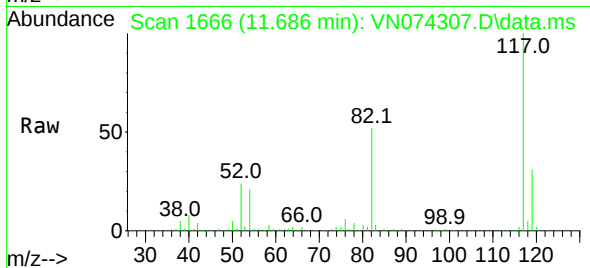




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074307.D
Acq: 03 Sep 2022 00:14

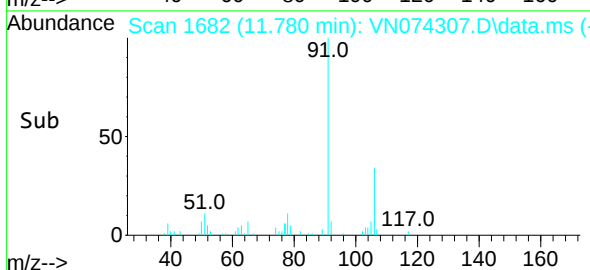
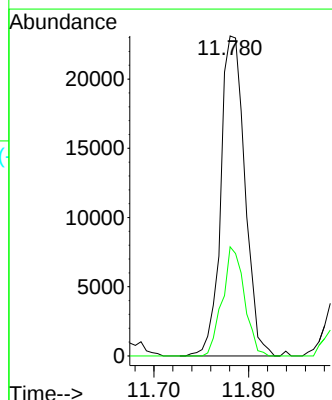
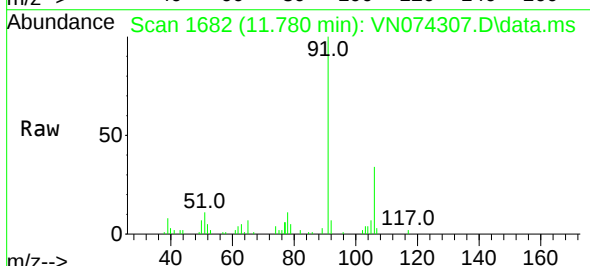
Instrument :
MSVOA_N
ClientSampleId :
MW-43

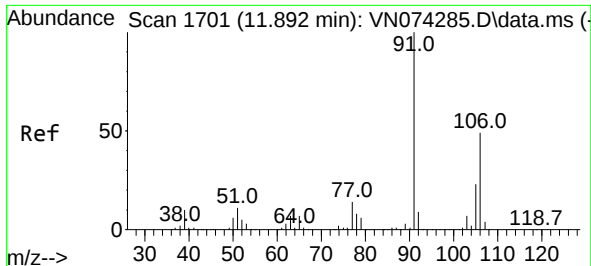
Tgt Ion:117 Resp: 402320
Ion Ratio Lower Upper
117 100
82 51.9 44.2 66.2
119 31.3 25.4 38.0



#67
Ethyl Benzene
Concen: 2.523 ug/l
RT: 11.780 min Scan# 1682
Delta R.T. -0.006 min
Lab File: VN074307.D
Acq: 03 Sep 2022 00:14

Tgt Ion: 91 Resp: 40904
Ion Ratio Lower Upper
91 100
106 34.1 24.9 37.3

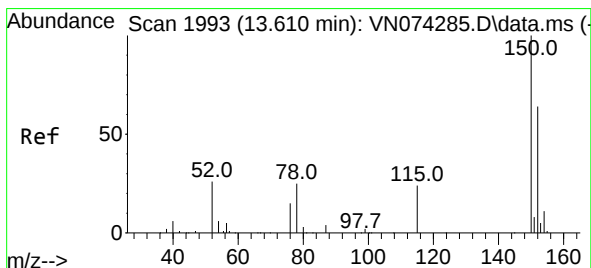
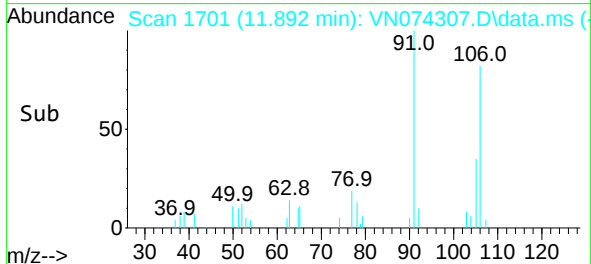
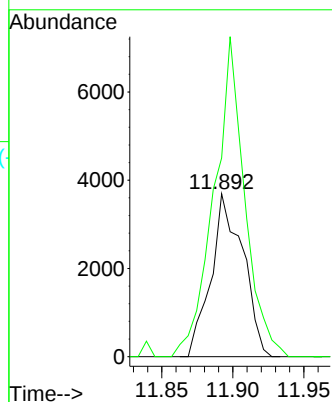
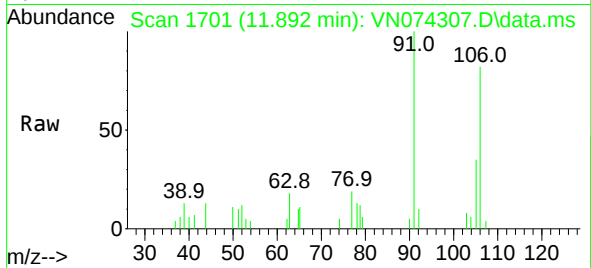




#68
m/p-Xylenes
Concen: 0.955 ug/l
RT: 11.892 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN074307.D
Acq: 03 Sep 2022 00:14

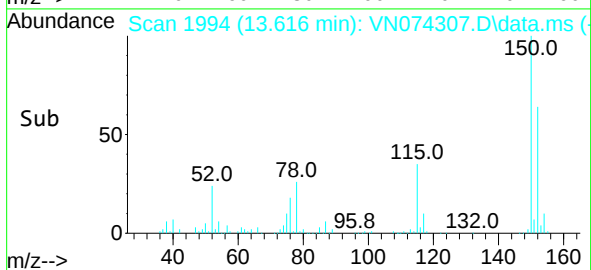
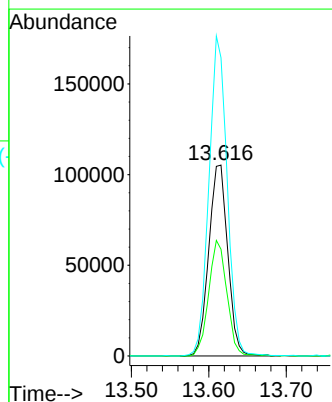
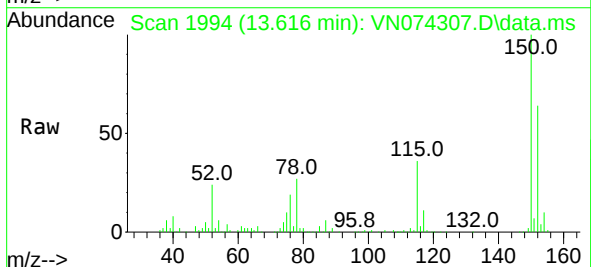
Instrument :
MSVOA_N
ClientSampleId :
MW-43

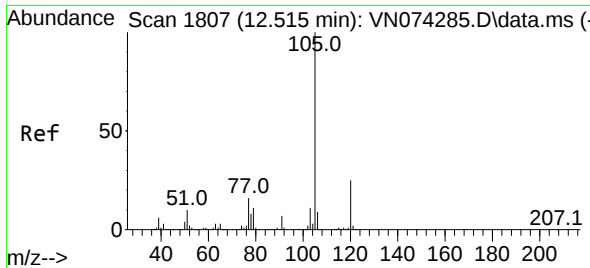
Tgt Ion:106 Resp: 5778
Ion Ratio Lower Upper
106 100
91 188.2 158.9 238.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VN074307.D
Acq: 03 Sep 2022 00:14

Tgt Ion:152 Resp: 179805
Ion Ratio Lower Upper
152 100
115 57.9 28.9 86.7
150 160.0 0.0 356.2

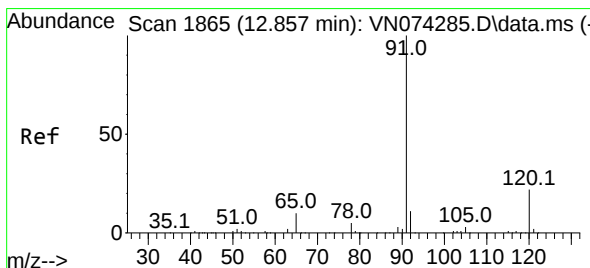
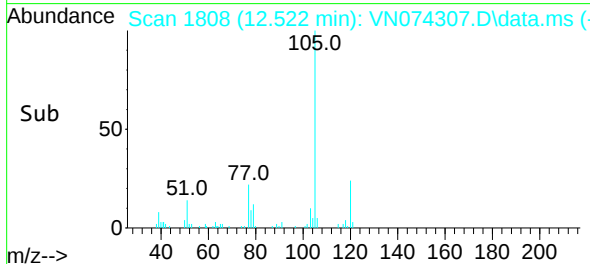
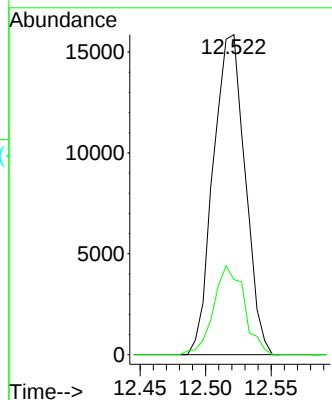
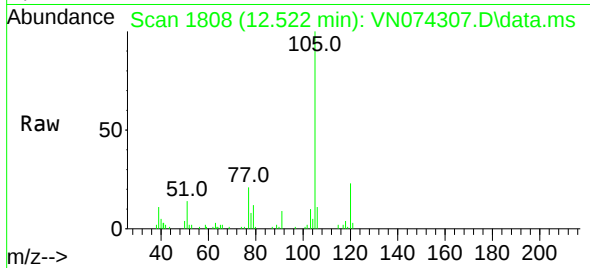




#73
Isopropylbenzene
Concen: 1.701 ug/l
RT: 12.522 min Scan# 1808
Delta R.T. 0.005 min
Lab File: VN074307.D
Acq: 03 Sep 2022 00:14

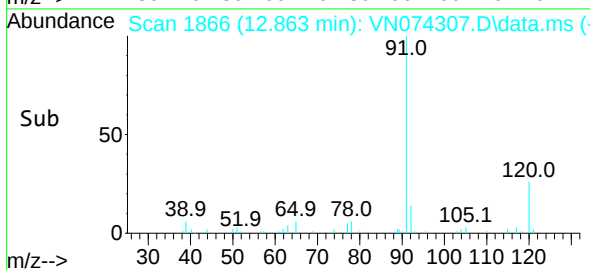
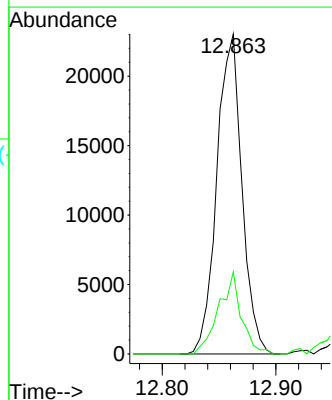
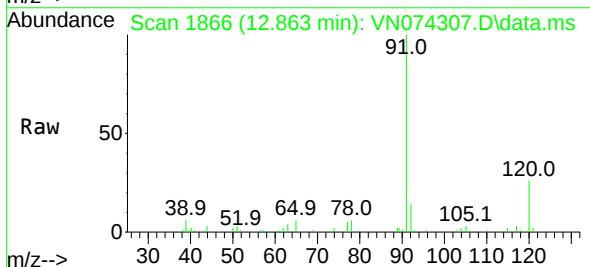
Instrument :
MSVOA_N
ClientSampleId :
MW-43

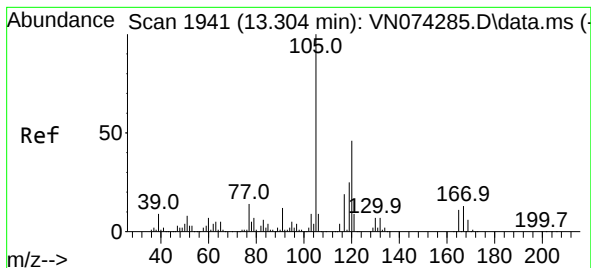
Tgt Ion:105 Resp: 26786
Ion Ratio Lower Upper
105 100
120 26.7 13.5 40.4



#78
n-propylbenzene
Concen: 1.961 ug/l
RT: 12.863 min Scan# 1866
Delta R.T. -0.000 min
Lab File: VN074307.D
Acq: 03 Sep 2022 00:14

Tgt Ion: 91 Resp: 35286
Ion Ratio Lower Upper
91 100
120 23.2 11.9 35.5





#84

1,2,4-Trimethylbenzene

Concen: 2.884 ug/l

RT: 13.310 min Scan# 1942

Delta R.T. -0.000 min

Lab File: VN074307.D

Acq: 03 Sep 2022 00:14

Instrument :

MSVOA_N

ClientSampleId :

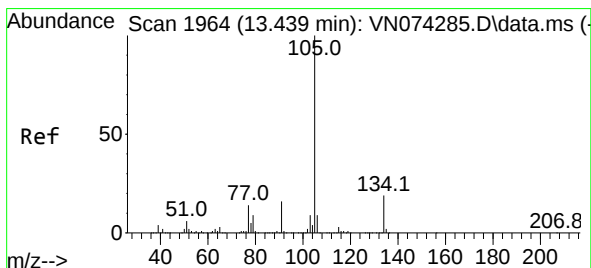
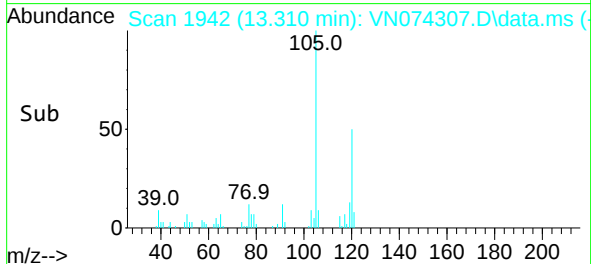
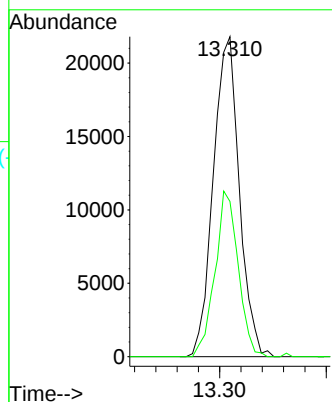
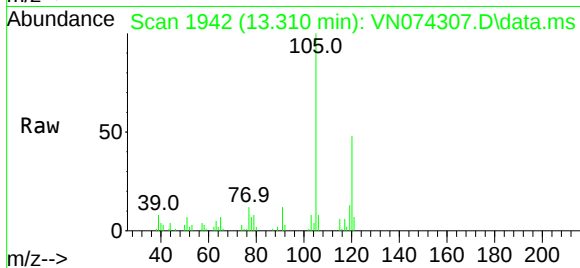
MW-43

Tgt Ion:105 Resp: 36877

Ion Ratio Lower Upper

105 100

120 46.2 23.3 69.8



#85

sec-Butylbenzene

Concen: 0.431 ug/l

RT: 13.439 min Scan# 1964

Delta R.T. 0.000 min

Lab File: VN074307.D

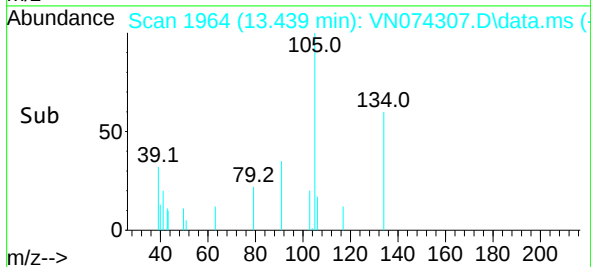
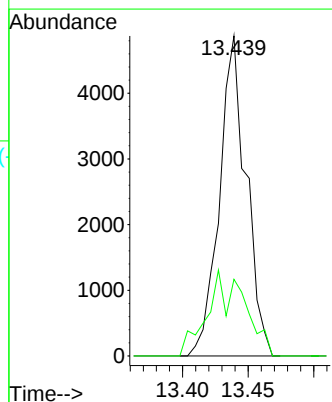
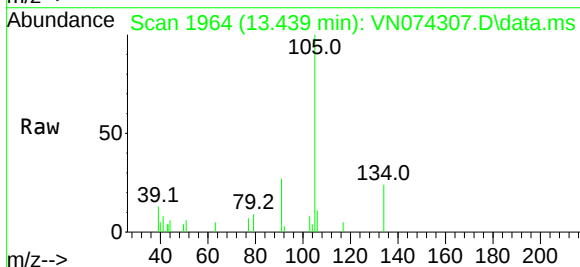
Acq: 03 Sep 2022 00:14

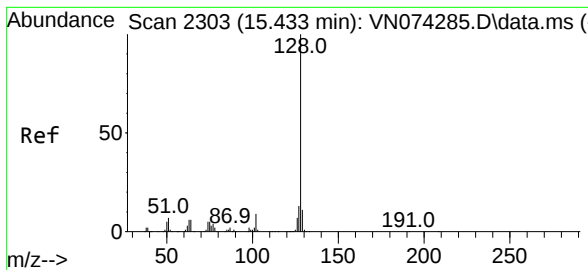
Tgt Ion:105 Resp: 6901

Ion Ratio Lower Upper

105 100

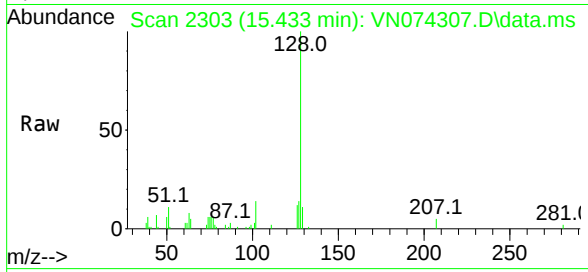
134 19.4 10.4 31.1





#95
Naphthalene
Concen: 3.119 ug/l
RT: 15.433 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN074307.D
Acq: 03 Sep 2022 00:14

Instrument :
MSVOA_N
ClientSampleId :
MW-43



Tgt Ion:	128	Resp:	31124
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	10.9	8.6	13.0

