

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022323\
 Data File : VN076791.D
 Acq On : 23 Feb 2023 14:10
 Operator : JC\MD
 Sample : 01664-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-10-0222

Quant Time: Feb 24 01:34:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

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

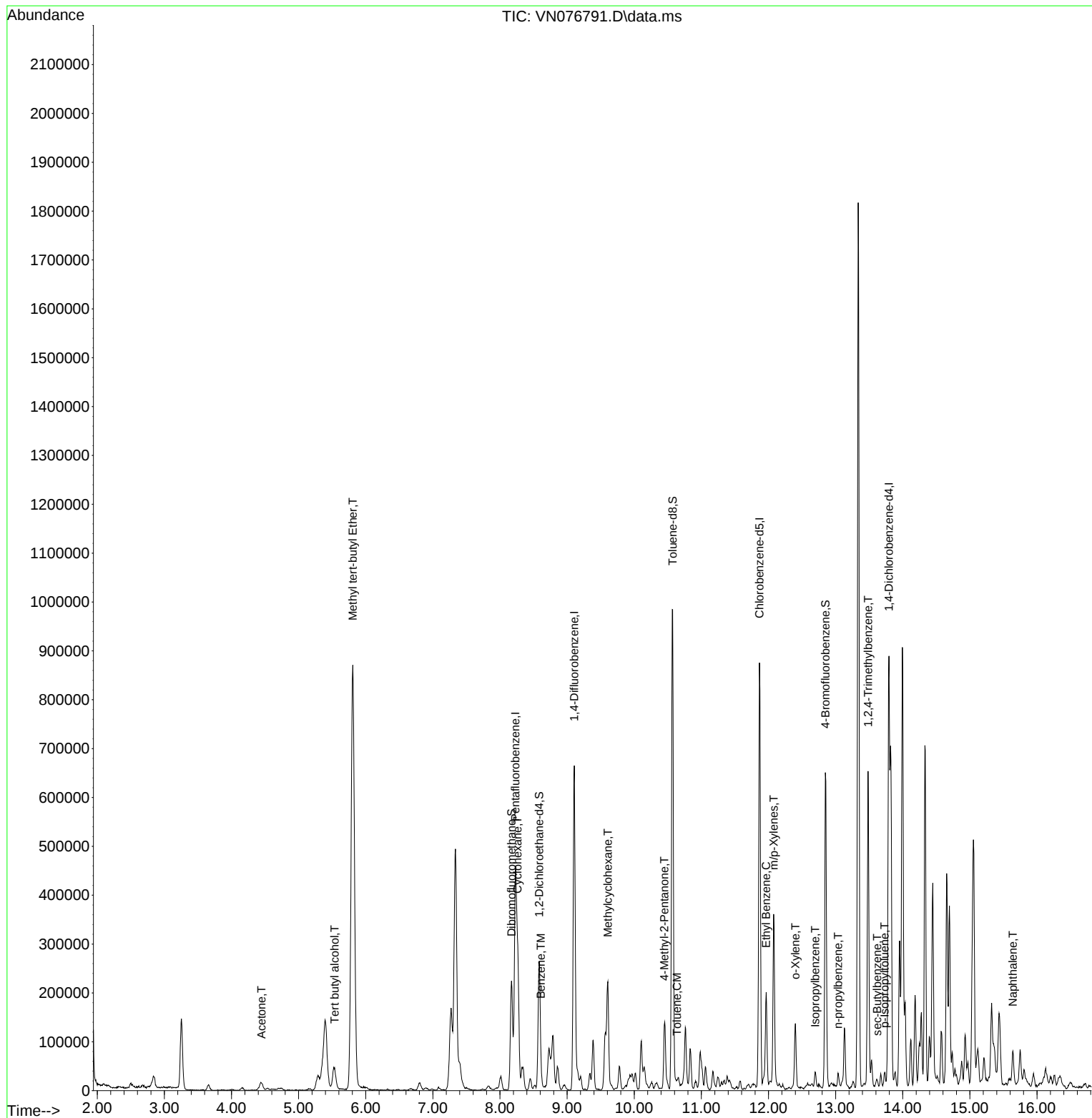
Internal Standards						
1) Pentafluorobenzene	8.230	168	289685	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	519344	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	473500	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	218900	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	204066	51.015	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.020%			
35) Dibromofluoromethane	8.172	113	154255	45.355	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 90.700%			
50) Toluene-d8	10.572	98	648755	51.077	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.160%			
62) 4-Bromofluorobenzene	12.848	95	208633	49.594	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.180%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.537	59	75486	142.965	ug/l	100
16) Acetone	4.448	43	20388	11.410	ug/l #	80
19) Methyl tert-butyl Ether	5.807	73	1294734	128.435	ug/l	95
31) Cyclohexane	8.260	56	160091	25.513	ug/l	97
39) Methylcyclohexane	9.607	83	94649	16.945	ug/l	96
40) Benzene	8.607	78	8863	0.587	ug/l #	89
51) 4-Methyl-2-Pentanone	10.448	43	23838	4.453	ug/l	97
52) Toluene	10.636	92	3017	0.331	ug/l	78
67) Ethyl Benzene	11.966	91	113328	6.629	ug/l	95
68) m/p-Xylenes	12.077	106	96356	14.622	ug/l	98
69) o-Xylene	12.401	106	33830	5.264	ug/l	93
73) Isopropylbenzene	12.695	105	18608	1.160	ug/l	98
78) n-propylbenzene	13.036	91	17483	0.928	ug/l #	53
84) 1,2,4-Trimethylbenzene	13.483	105	344375	26.059	ug/l	99
85) sec-Butylbenzene	13.618	105	7092m	0.423	ug/l	
86) p-Isopropyltoluene	13.730	119	13821	1.033	ug/l	96
95) Naphthalene	15.642	128	60956	5.191	ug/l #	93

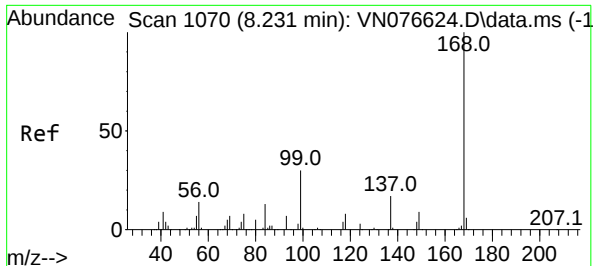
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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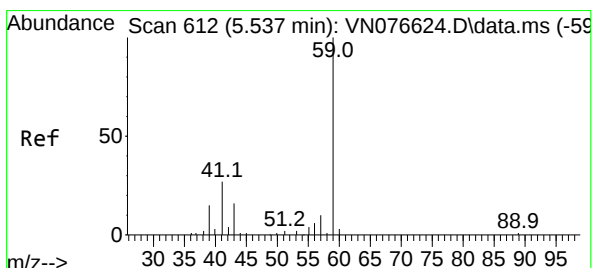
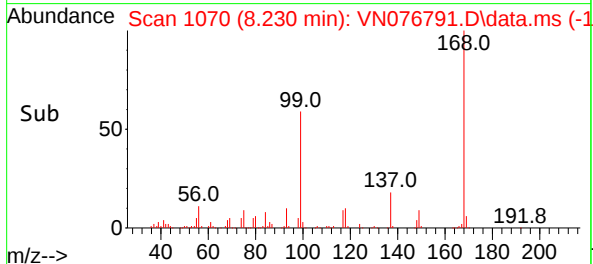
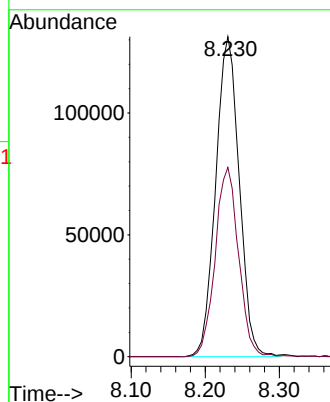
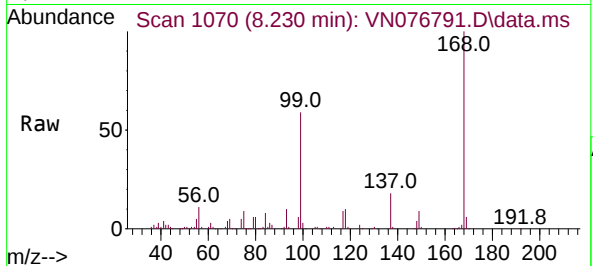




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.001 min
Lab File: VN076791.D
Acq: 23 Feb 2023 14:10

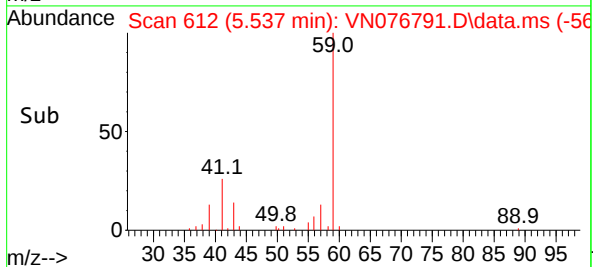
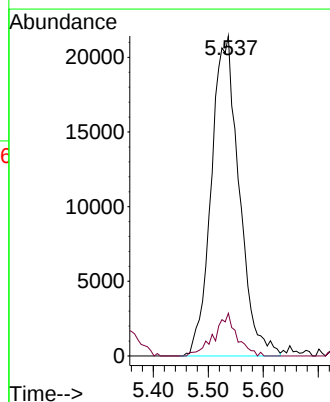
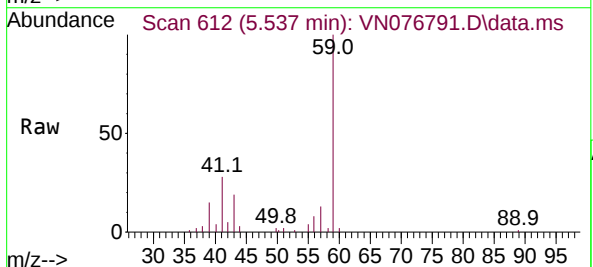
Instrument :
MSVOA_N
ClientSampleId :
MW-10-0222

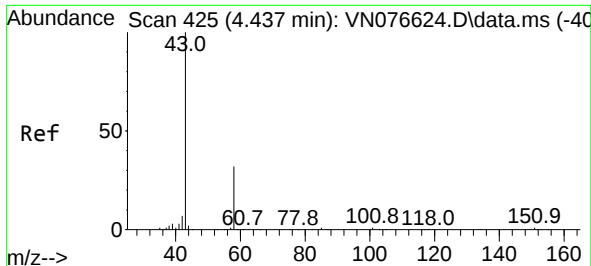
Tgt Ion:168 Resp: 289685
Ion Ratio Lower Upper
168 100
99 59.2 44.8 67.2



#11
Tert butyl alcohol
Concen: 142.965 ug/l
RT: 5.537 min Scan# 612
Delta R.T. -0.000 min
Lab File: VN076791.D
Acq: 23 Feb 2023 14:10

Tgt Ion: 59 Resp: 75486
Ion Ratio Lower Upper
59 100
57 10.9 8.7 13.1

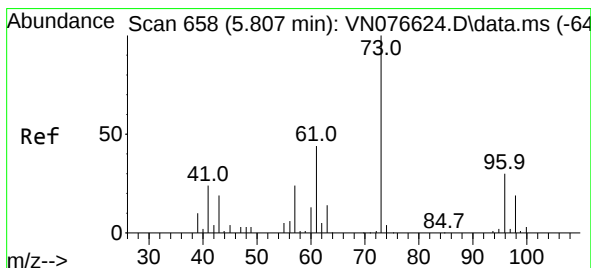
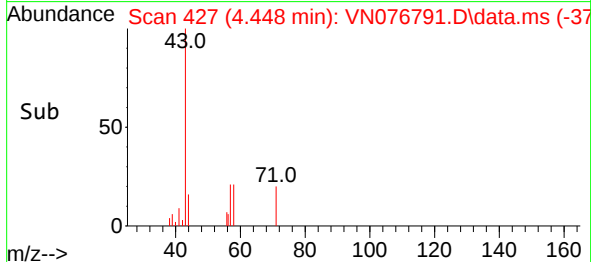
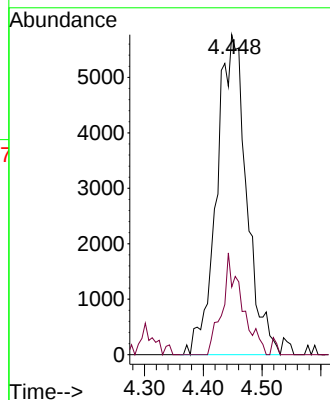
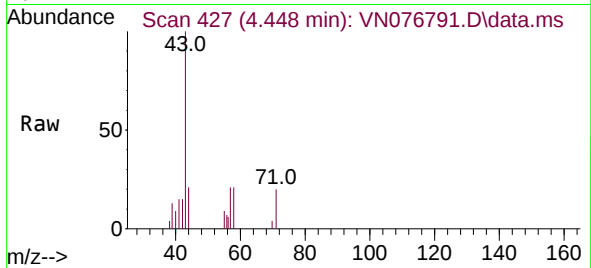




#16
Acetone
Concen: 11.410 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.011 min
Lab File: VN076791.D
Acq: 23 Feb 2023 14:10

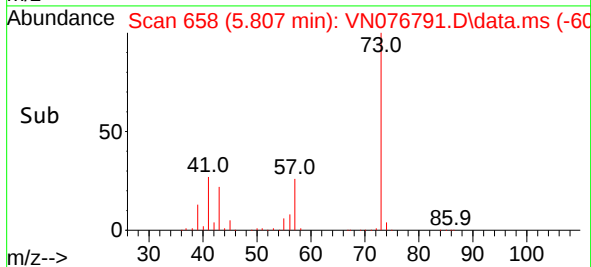
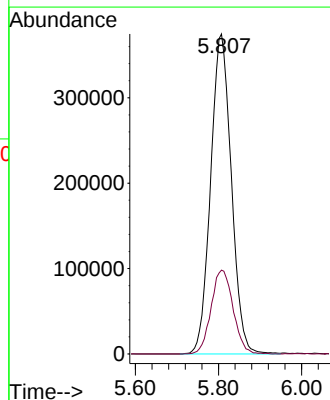
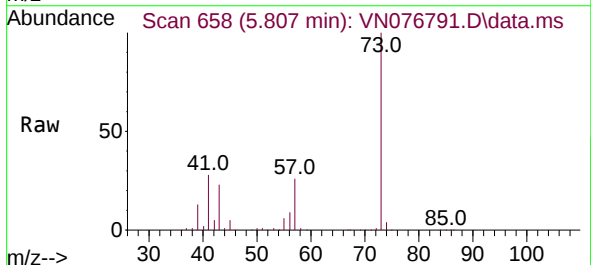
Instrument :
MSVOA_N
ClientSampleId :
MW-10-0222

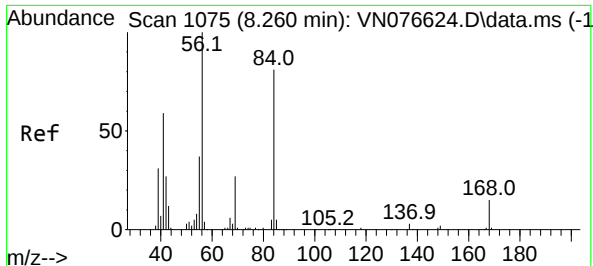
Tgt Ion: 43 Resp: 20388
Ion Ratio Lower Upper
43 100
58 21.2 25.9 38.9#



#19
Methyl tert-butyl Ether
Concen: 128.435 ug/l
RT: 5.807 min Scan# 658
Delta R.T. 0.000 min
Lab File: VN076791.D
Acq: 23 Feb 2023 14:10

Tgt Ion: 73 Resp: 1294734
Ion Ratio Lower Upper
73 100
57 26.2 19.0 28.4

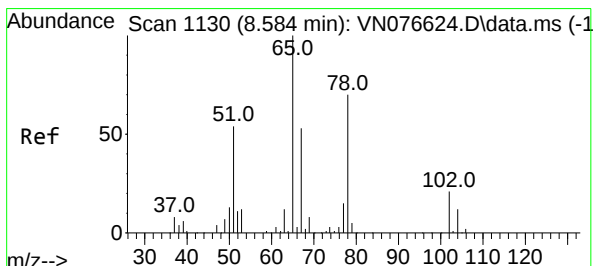
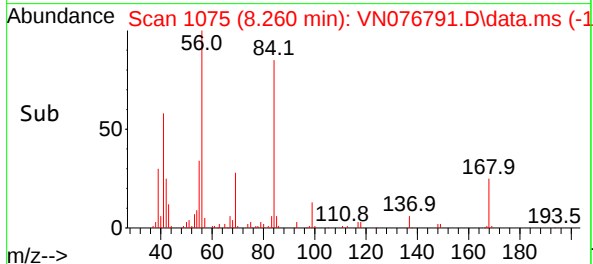
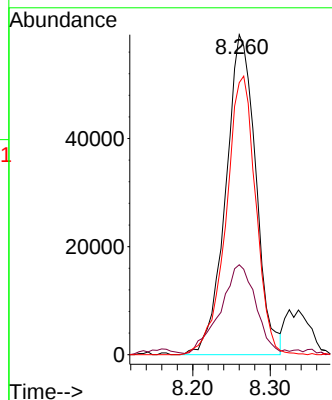
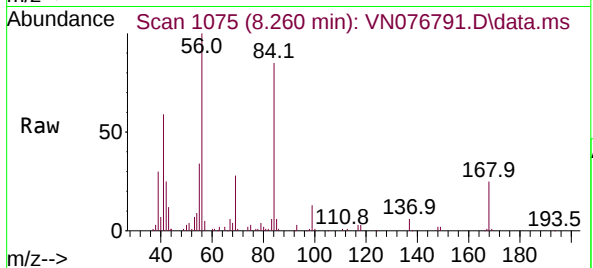




#31
Cyclohexane
Concen: 25.513 ug/l
RT: 8.260 min Scan# 1075
Delta R.T. -0.000 min
Lab File: VN076791.D
Acq: 23 Feb 2023 14:10

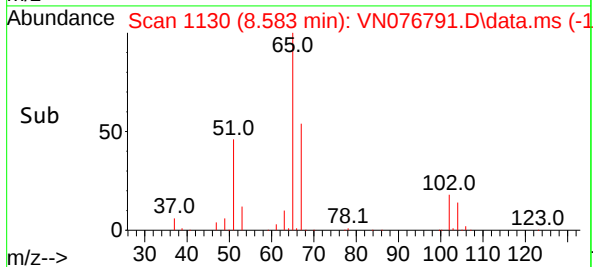
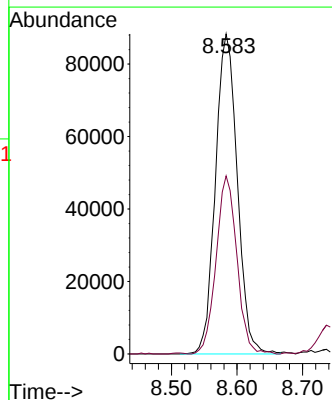
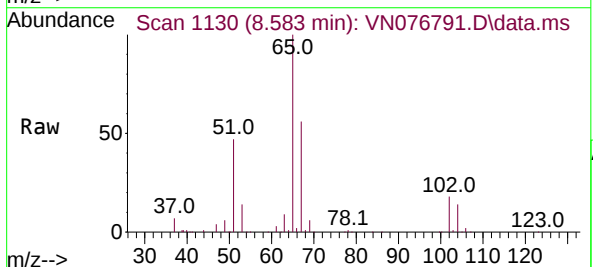
Instrument :
MSVOA_N
ClientSampleId :
MW-10-0222

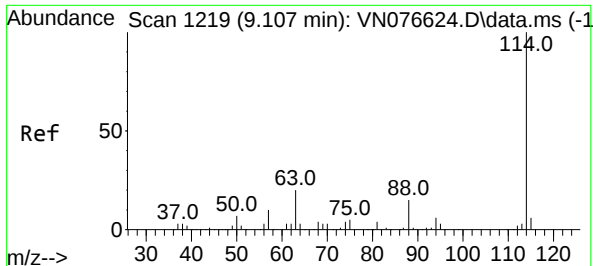
Tgt Ion: 56 Resp: 160091
Ion Ratio Lower Upper
56 100
69 27.5 21.6 32.4
84 85.0 65.1 97.7



#33
1,2-Dichloroethane-d4
Concen: 51.015 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. -0.001 min
Lab File: VN076791.D
Acq: 23 Feb 2023 14:10

Tgt Ion: 65 Resp: 204066
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076791.D

Acq: 23 Feb 2023 14:10

Instrument :

MSVOA_N

ClientSampleId :

MW-10-0222

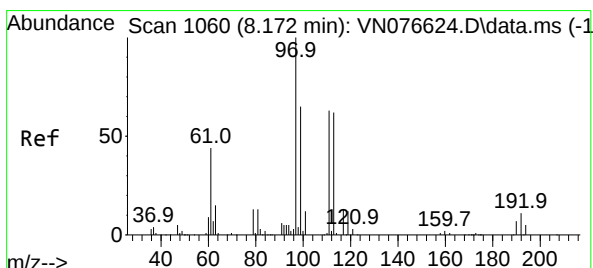
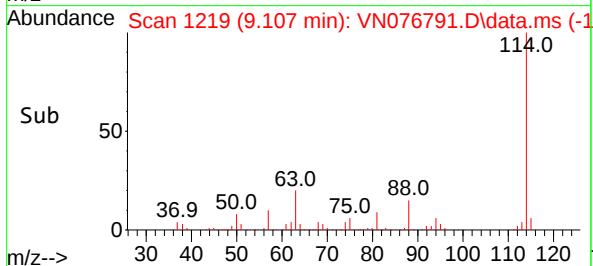
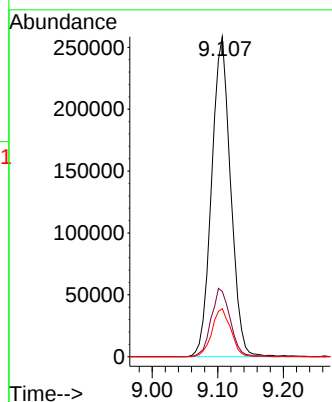
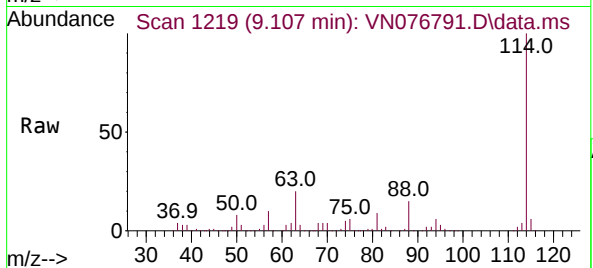
Tgt Ion:114 Resp: 519344

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.0

88 15.0 0.0 29.6



#35

Dibromofluoromethane

Concen: 45.355 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN076791.D

Acq: 23 Feb 2023 14:10

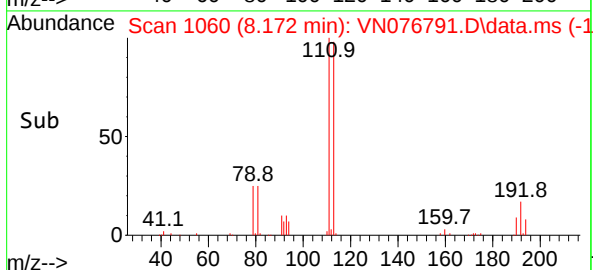
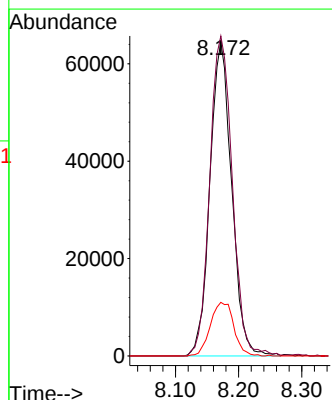
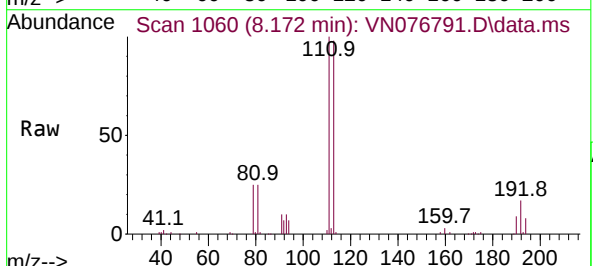
Tgt Ion:113 Resp: 154255

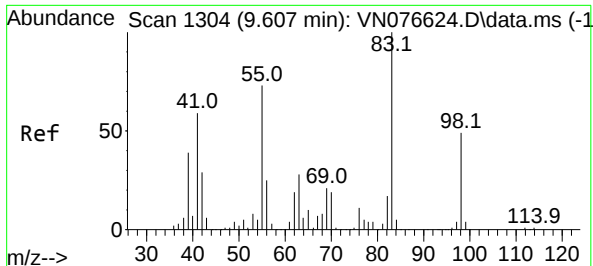
Ion Ratio Lower Upper

113 100

111 105.7 83.1 124.7

192 18.4 15.6 23.4





#39

Methylcyclohexane

Concen: 16.945 ug/l

RT: 9.607 min Scan# 1134

Delta R.T. -0.000 min

Lab File: VN076791.D

Acq: 23 Feb 2023 14:10

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MSVOA_N

ClientSampleId :

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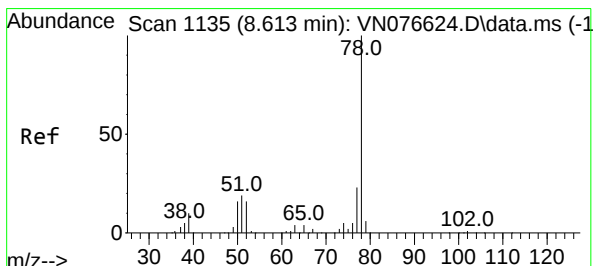
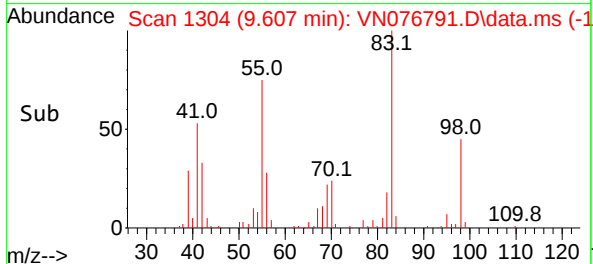
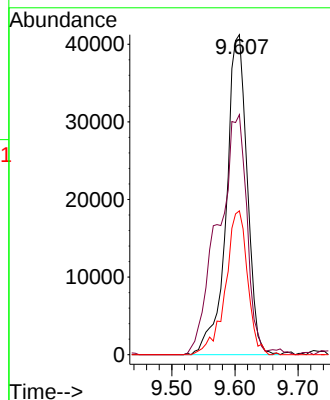
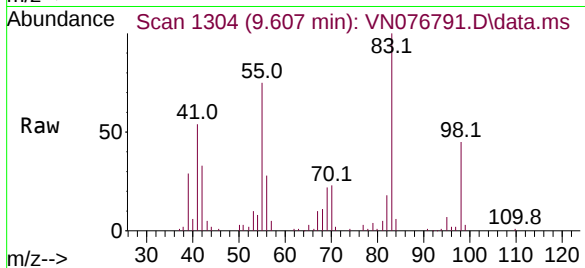
Tgt Ion: 83 Resp: 94649

Ion Ratio Lower Upper

83 100

55 75.0 58.6 88.0

98 45.0 39.4 59.2



#40

Benzene

Concen: 0.587 ug/l

RT: 8.607 min Scan# 1134

Delta R.T. -0.006 min

Lab File: VN076791.D

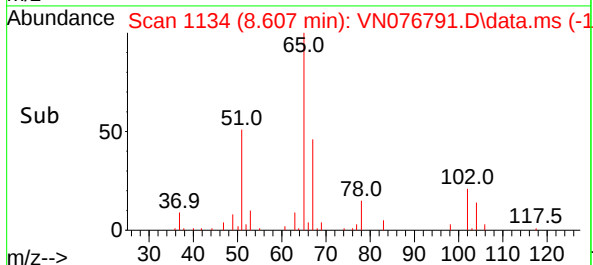
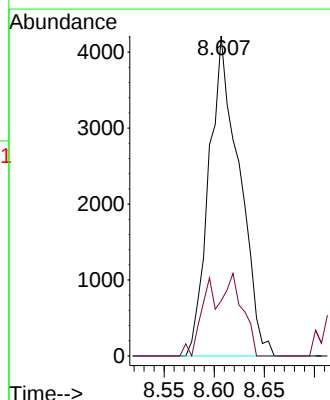
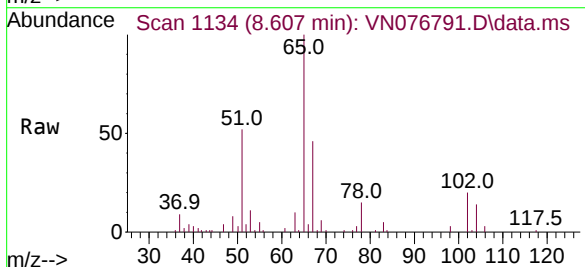
Acq: 23 Feb 2023 14:10

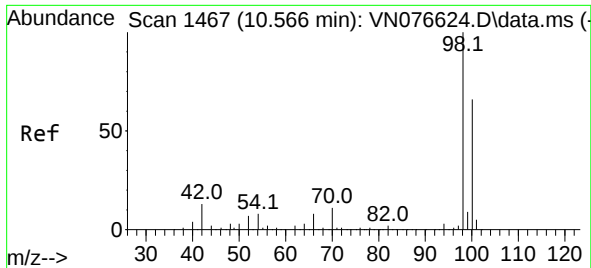
Tgt Ion: 78 Resp: 8863

Ion Ratio Lower Upper

78 100

77 17.3 18.2 27.4#

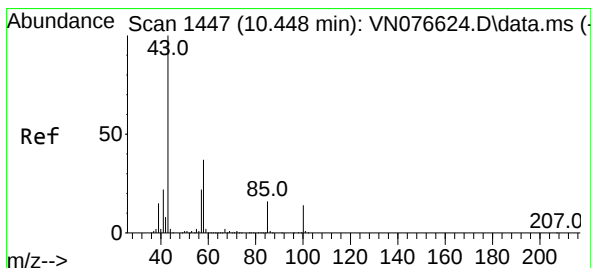
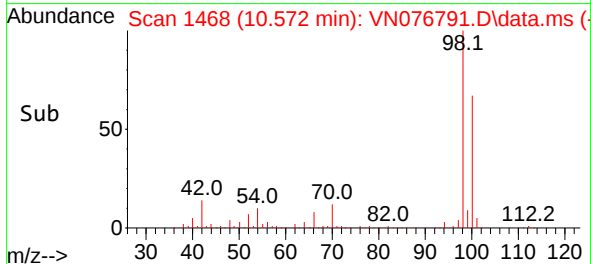
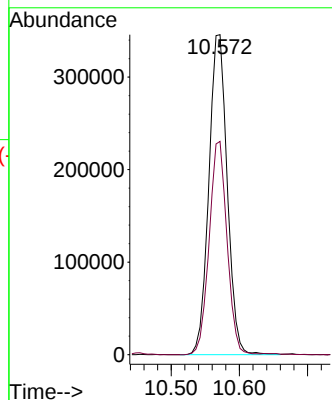
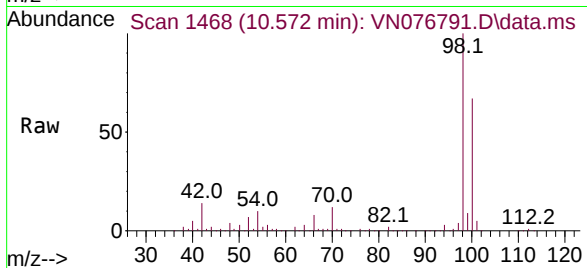




#50
Toluene-d8
Concen: 51.077 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.005 min
Lab File: VN076791.D
Acq: 23 Feb 2023 14:10

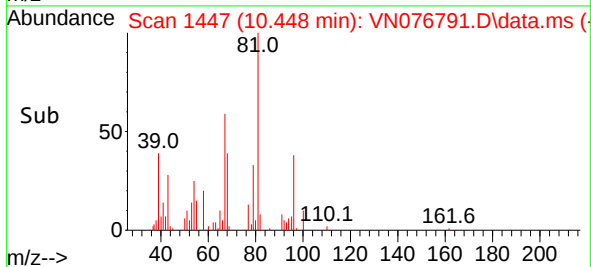
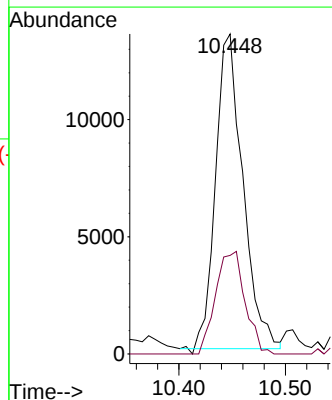
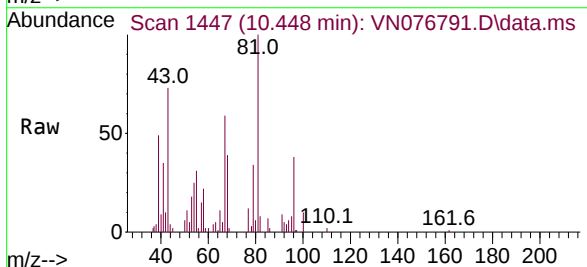
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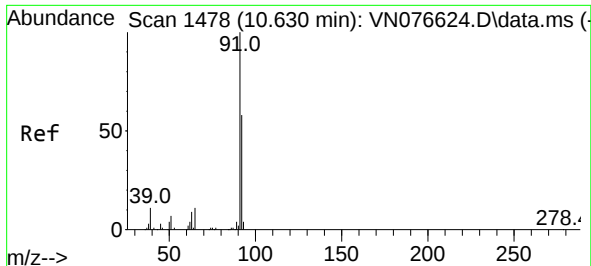
Tgt Ion: 98 Resp: 648755
Ion Ratio Lower Upper
98 100
100 64.8 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 4.453 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN076791.D
Acq: 23 Feb 2023 14:10

Tgt Ion: 43 Resp: 23838
Ion Ratio Lower Upper
43 100
58 35.2 29.5 44.3

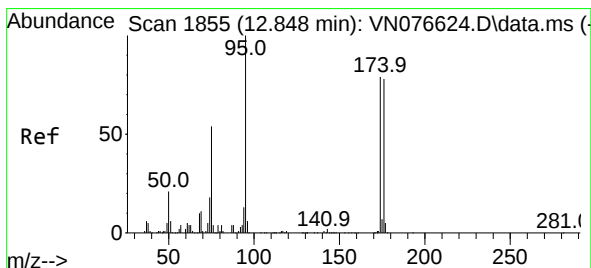
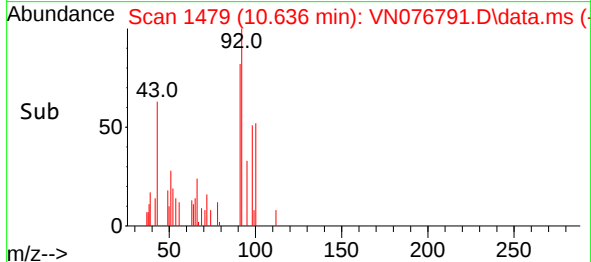
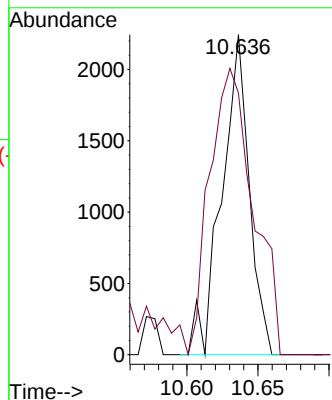
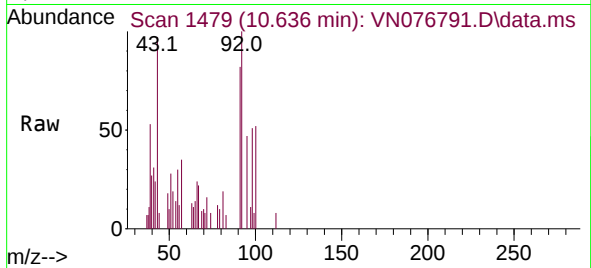




#52
Toluene
Concen: 0.331 ug/l
RT: 10.636 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VN076791.D
Acq: 23 Feb 2023 14:10

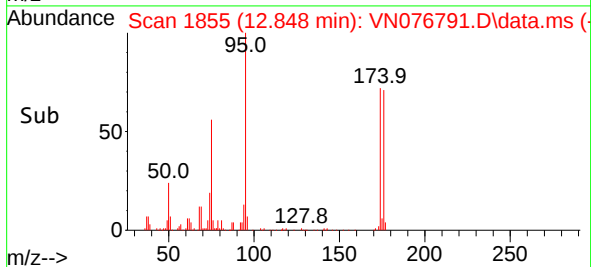
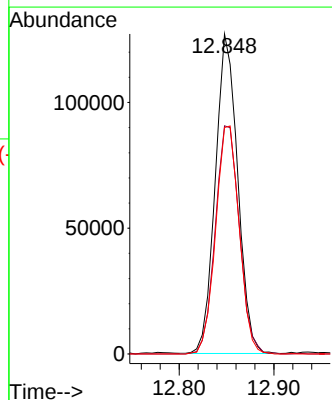
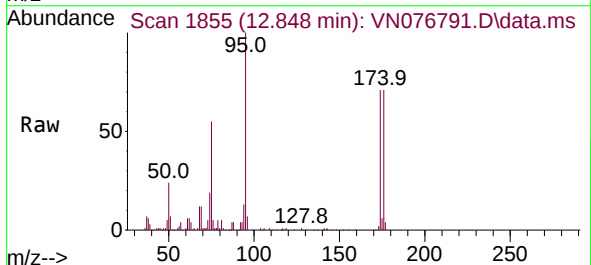
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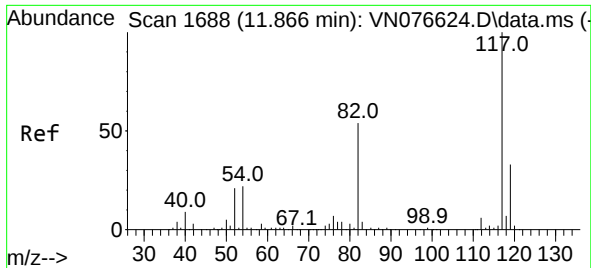
Tgt Ion: 92 Resp: 3017
Ion Ratio Lower Upper
92 100
91 141.9 138.0 207.0



#62
4-Bromofluorobenzene
Concen: 49.594 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.000 min
Lab File: VN076791.D
Acq: 23 Feb 2023 14:10

Tgt Ion: 95 Resp: 208633
Ion Ratio Lower Upper
95 100
174 76.6 0.0 169.2
176 75.0 0.0 163.4

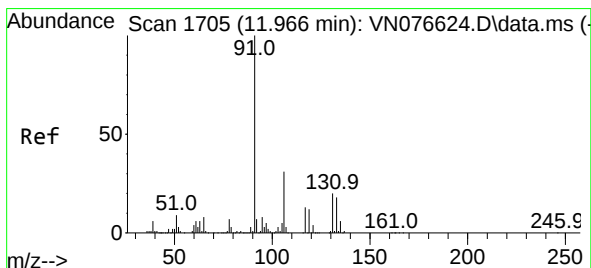
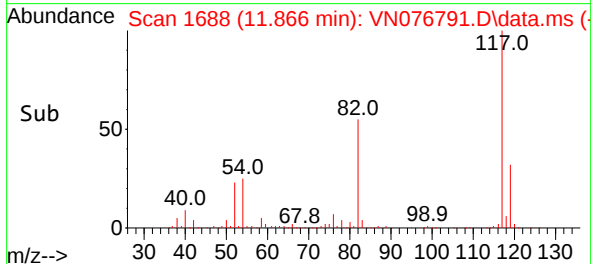
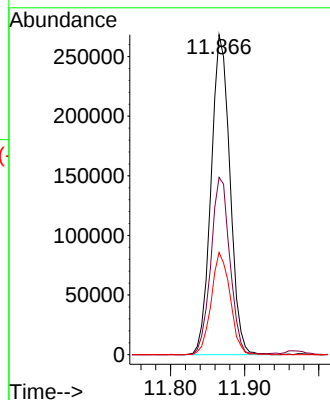
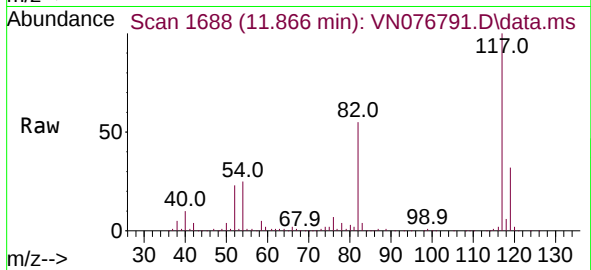




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN076791.D
Acq: 23 Feb 2023 14:10

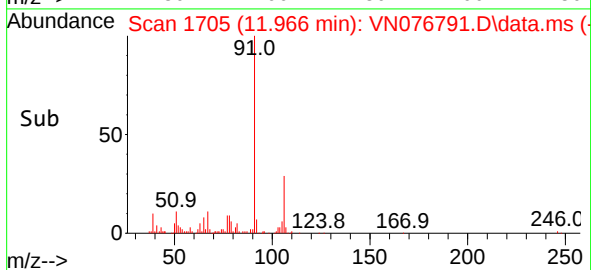
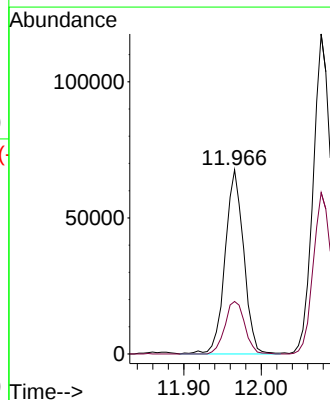
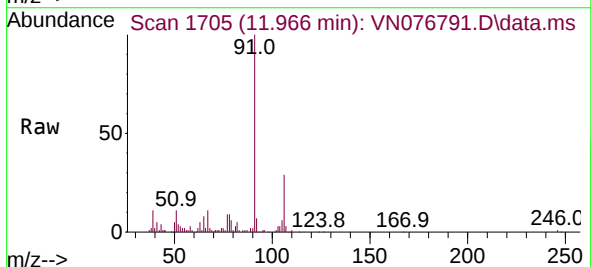
Instrument :
MSVOA_N
ClientSampleId :
MW-10-0222

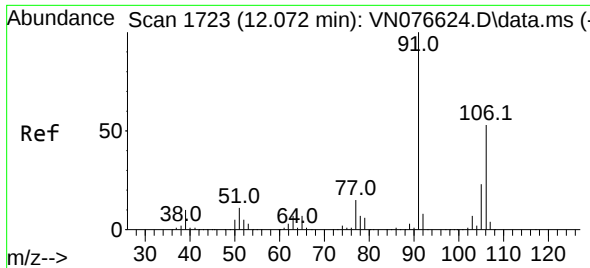
Tgt Ion:117 Resp: 473500
Ion Ratio Lower Upper
117 100
82 55.4 43.4 65.2
119 32.0 26.1 39.1



#67
Ethyl Benzene
Concen: 6.629 ug/l
RT: 11.966 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VN076791.D
Acq: 23 Feb 2023 14:10

Tgt Ion: 91 Resp: 113328
Ion Ratio Lower Upper
91 100
106 28.5 25.1 37.7

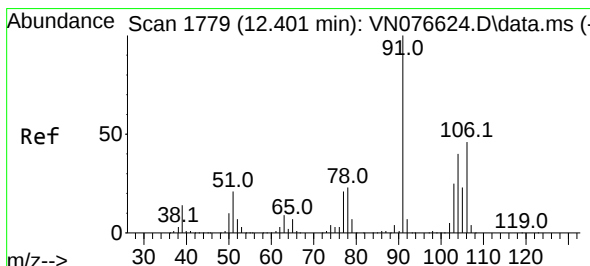
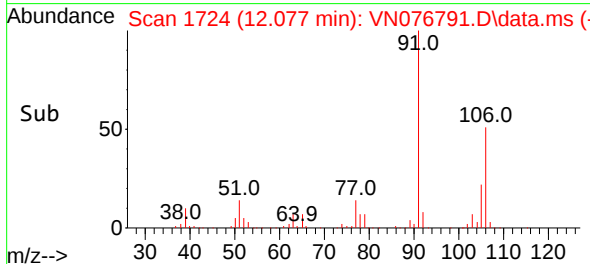
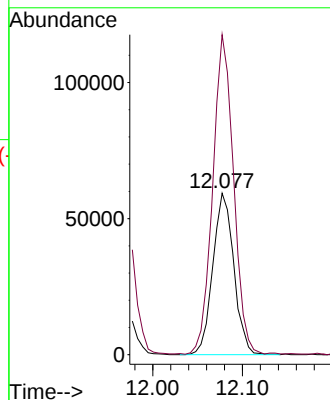
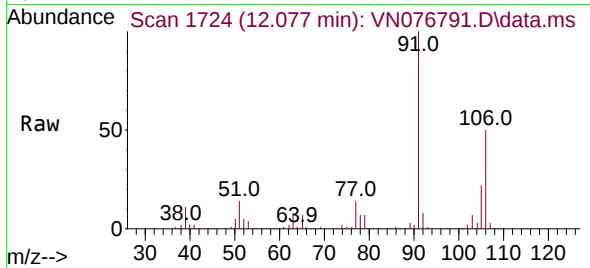




#68
m/p-Xylenes
Concen: 14.622 ug/l
RT: 12.077 min Scan# 1724
Delta R.T. 0.005 min
Lab File: VN076791.D
Acq: 23 Feb 2023 14:10

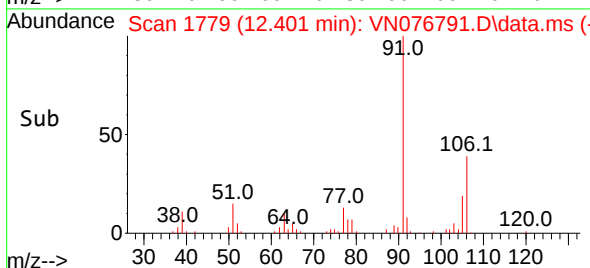
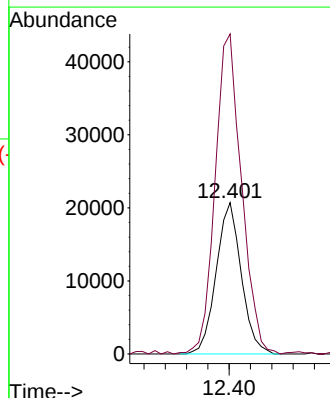
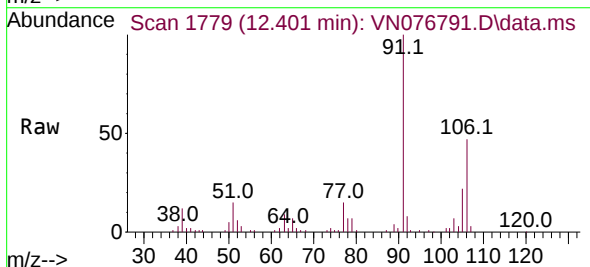
Instrument :
MSVOA_N
ClientSampleId :
MW-10-0222

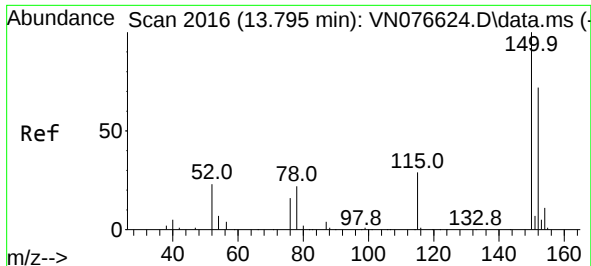
Tgt Ion:106 Resp: 96356
Ion Ratio Lower Upper
106 100
91 196.1 154.7 232.1



#69
o-Xylene
Concen: 5.264 ug/l
RT: 12.401 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN076791.D
Acq: 23 Feb 2023 14:10

Tgt Ion:106 Resp: 33830
Ion Ratio Lower Upper
106 100
91 222.5 105.8 317.4

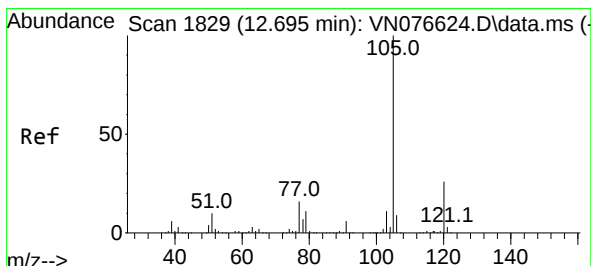
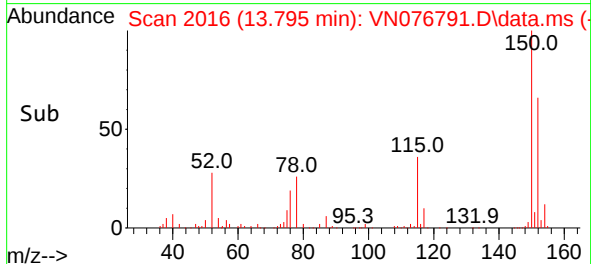
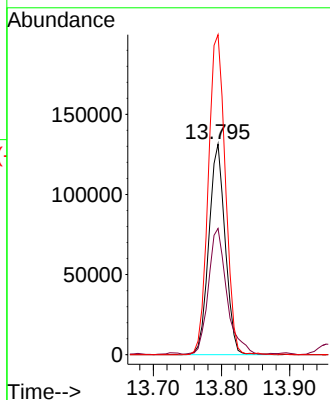
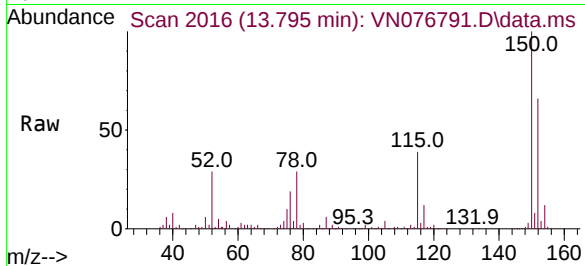




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.795 min Scan# 2016
 Delta R.T. -0.000 min
 Lab File: VN076791.D
 Acq: 23 Feb 2023 14:10

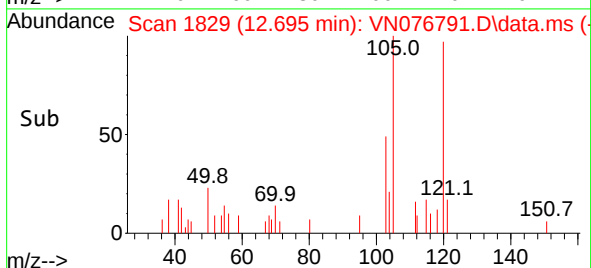
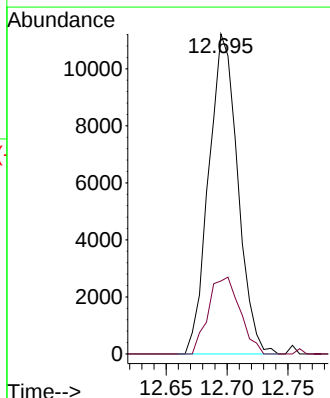
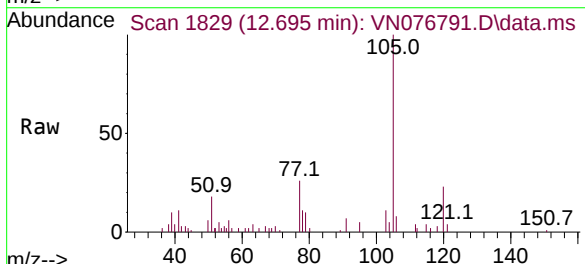
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-10-0222

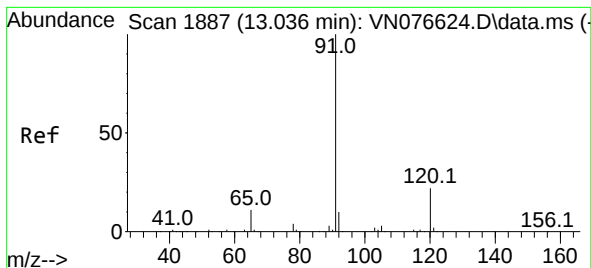
Tgt Ion:152 Resp: 218900
 Ion Ratio Lower Upper
 152 100
 115 67.6 29.3 87.9
 150 158.8 0.0 349.8



#73
 Isopropylbenzene
 Concen: 1.160 ug/l
 RT: 12.695 min Scan# 1829
 Delta R.T. -0.000 min
 Lab File: VN076791.D
 Acq: 23 Feb 2023 14:10

Tgt Ion:105 Resp: 18608
 Ion Ratio Lower Upper
 105 100
 120 26.2 13.7 41.0





#78

n-propylbenzene

Concen: 0.928 ug/l

RT: 13.036 min Scan# 1887

Delta R.T. 0.000 min

Lab File: VN076791.D

Acq: 23 Feb 2023 14:10

Instrument :

MSVOA_N

ClientSampleId :

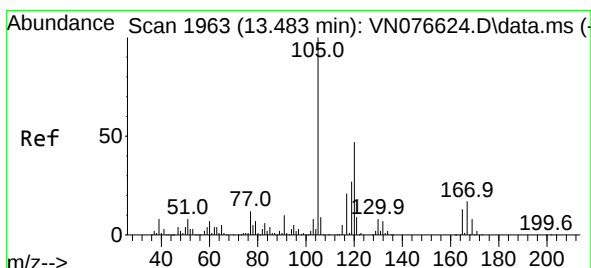
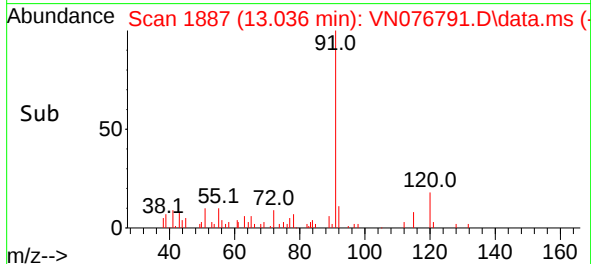
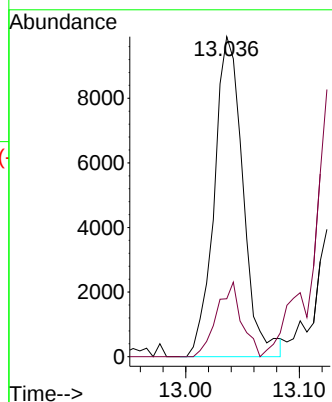
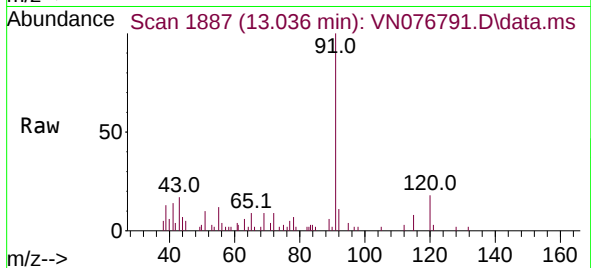
MW-10-0222

Tgt Ion: 91 Resp: 17483

Ion Ratio Lower Upper

91 100

120 0.0 11.5 34.5#



#84

1,2,4-Trimethylbenzene

Concen: 26.059 ug/l

RT: 13.483 min Scan# 1963

Delta R.T. 0.000 min

Lab File: VN076791.D

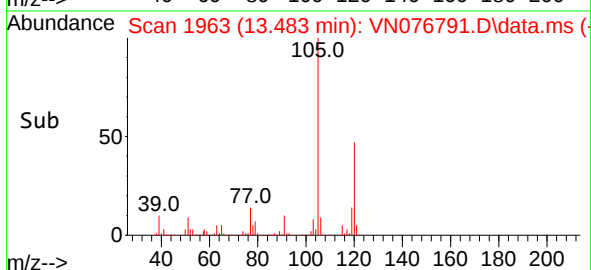
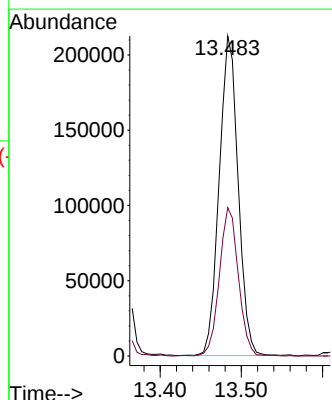
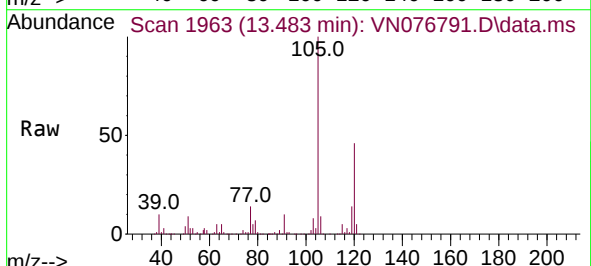
Acq: 23 Feb 2023 14:10

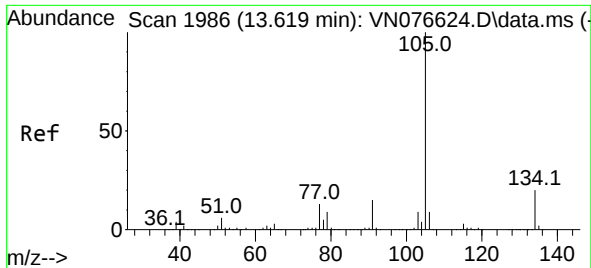
Tgt Ion:105 Resp: 344375

Ion Ratio Lower Upper

105 100

120 46.6 23.0 69.0

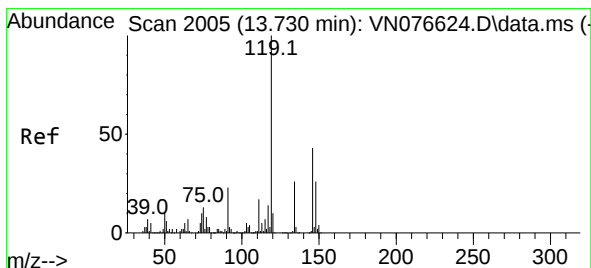
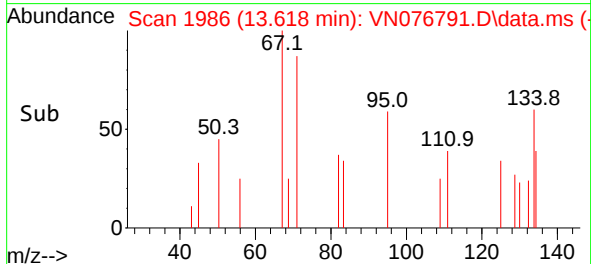
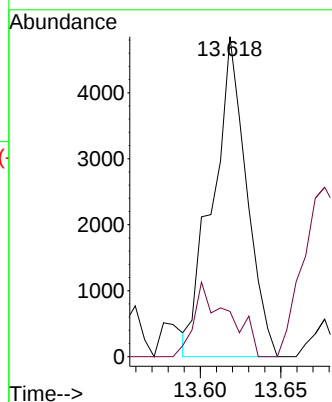
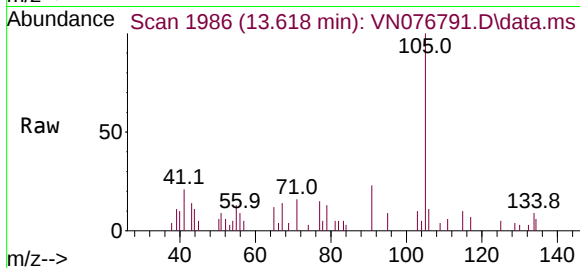




#85
 sec-Butylbenzene
 Concen: 0.423 ug/l m
 RT: 13.618 min Scan# 1986
 Delta R.T. -0.001 min
 Lab File: VN076791.D
 Acq: 23 Feb 2023 14:10

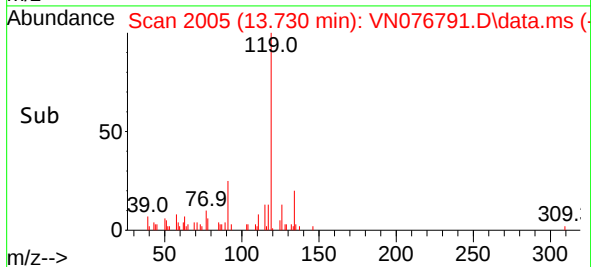
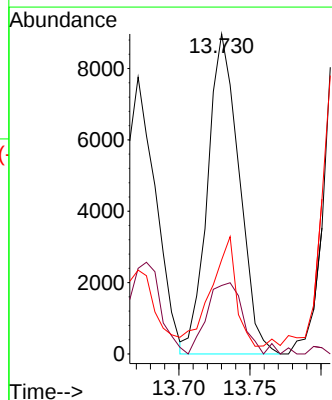
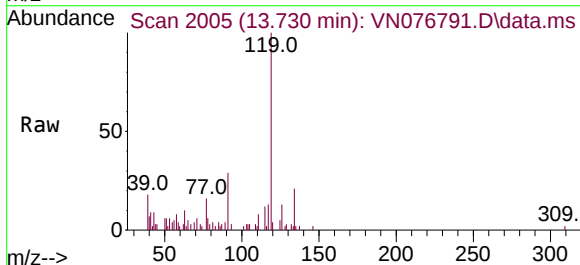
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-10-0222

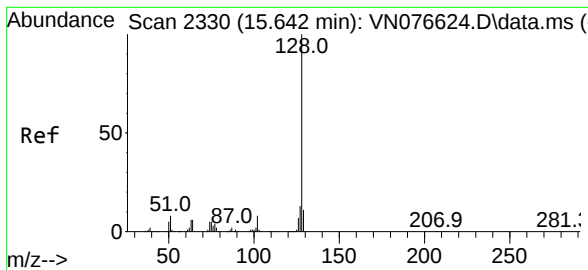
Tgt Ion:105 Resp: 7092
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.5 31.5#



#86
 p-Isopropyltoluene
 Concen: 1.033 ug/l
 RT: 13.730 min Scan# 2005
 Delta R.T. 0.000 min
 Lab File: VN076791.D
 Acq: 23 Feb 2023 14:10

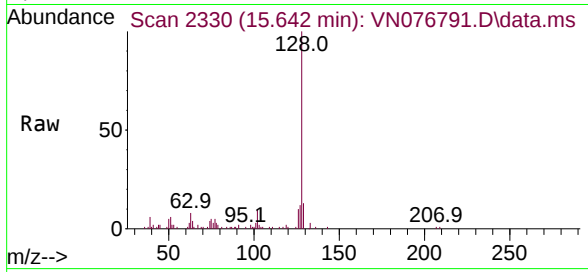
Tgt Ion:119 Resp: 13821
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.4 40.1
 91 27.0 11.7 35.0





#95
Naphthalene
Concen: 5.191 ug/l
RT: 15.642 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN076791.D
Acq: 23 Feb 2023 14:10

Instrument :
MSVOA_N
ClientSampleId :
MW-10-0222



Tgt Ion:128 Resp: 60956
Ion Ratio Lower Upper
128 100
127 15.0 10.6 16.0
129 14.6 8.6 13.0#

