

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100622\
 Data File : VN074792.D
 Acq On : 06 Oct 2022 18:41
 Operator : JC\MD
 Sample : N4910-04DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3DL

Quant Time: Oct 06 19:18:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 05:37:50 2022
 Response via : Initial Calibration

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

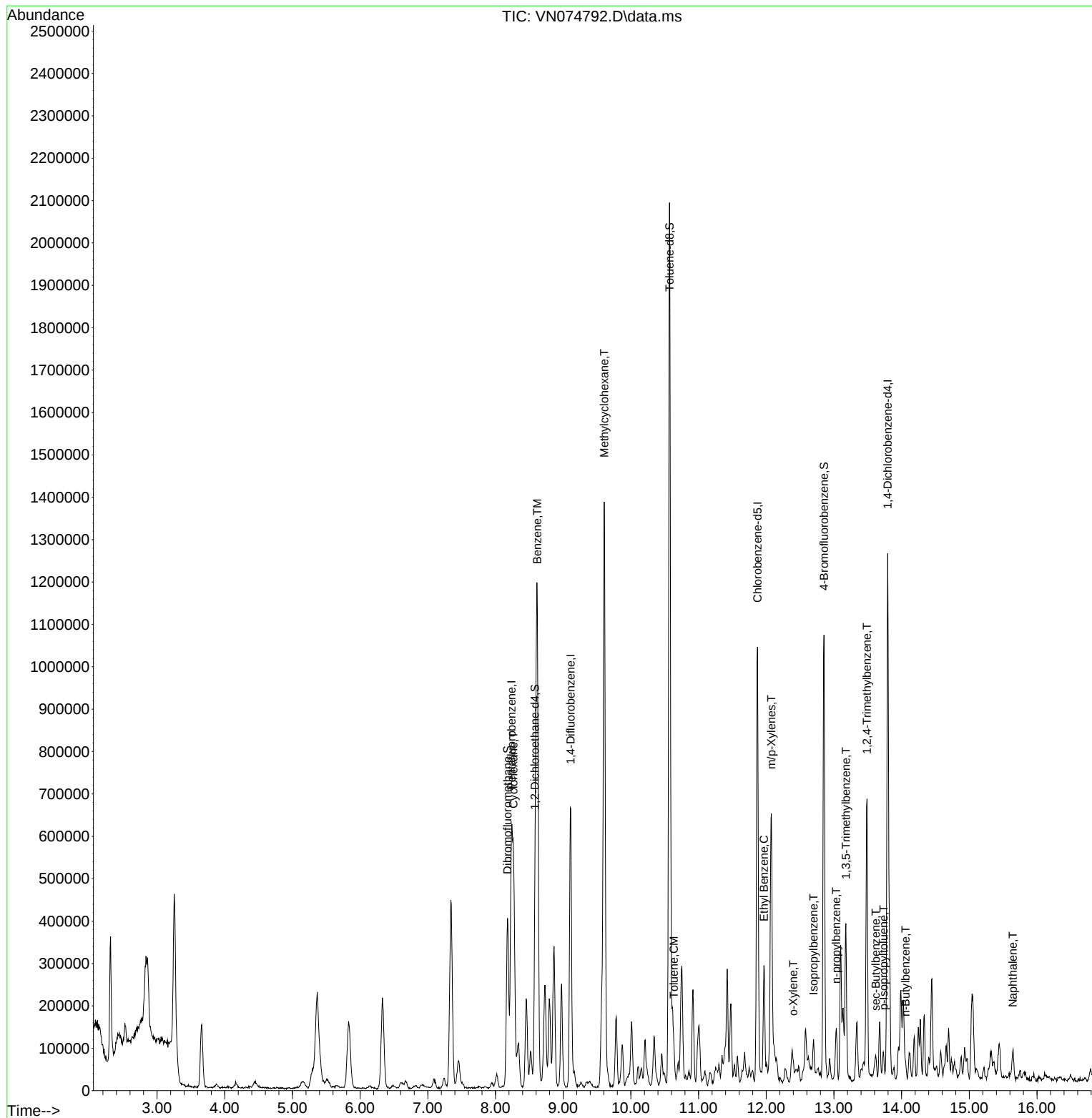
Internal Standards						
1) Pentafluorobenzene	8.236	168	285195	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.112	114	536642	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	558663	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	306632	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	364140	53.887	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.780%	
35) Dibromofluoromethane	8.177	113	281952	52.002	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.000%	
50) Toluene-d8	10.571	98	1214318	52.195	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.380%	
62) 4-Bromofluorobenzene	12.853	95	327611	46.324	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.640%	
Target Compounds						
						Qvalue
31) Cyclohexane	8.265	56	316266	27.079	ug/l	93
39) Methylcyclohexane	9.606	83	596849	52.499	ug/l	93
40) Benzene	8.618	78	1088223	38.303	ug/l	97
52) Toluene	10.635	92	26288	1.540	ug/l	100
67) Ethyl Benzene	11.965	91	132263	4.146	ug/l	98
68) m/p-Xylenes	12.077	106	194480	16.240	ug/l	100
69) o-Xylene	12.400	106	6463	0.526	ug/l	75
73) Isopropylbenzene	12.700	105	57836	1.960	ug/l	96
78) n-propylbenzene	13.035	91	75807	2.230	ug/l	99
80) 1,3,5-Trimethylbenzene	13.177	105	165290	7.024	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	370836	15.585	ug/l	94
85) sec-Butylbenzene	13.618	105	34400	1.164	ug/l	# 61
86) p-Isopropyltoluene	13.735	119	28687	1.258	ug/l	95
89) n-Butylbenzene	14.059	91	20068	0.998	ug/l	# 77
95) Naphthalene	15.641	128	65273	3.063	ug/l	99

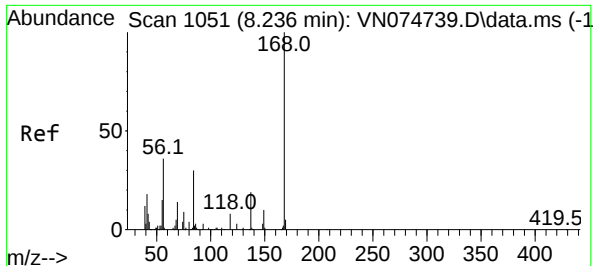
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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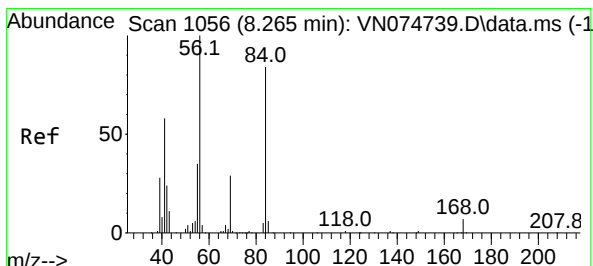
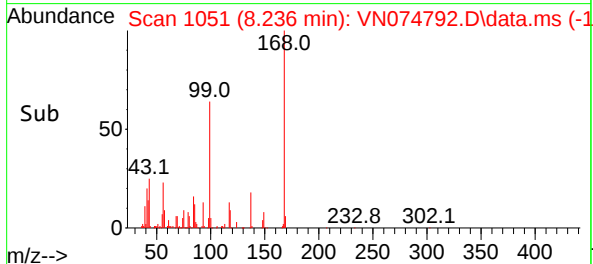
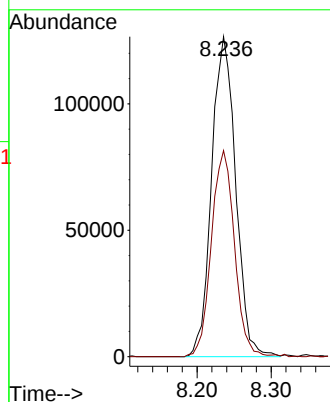
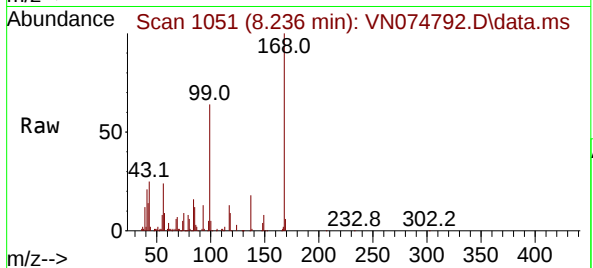




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.000 min
Lab File: VN074792.D
Acq: 06 Oct 2022 18:41

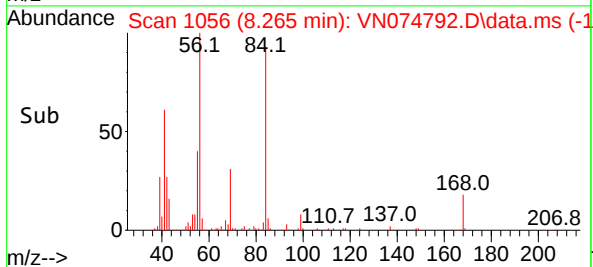
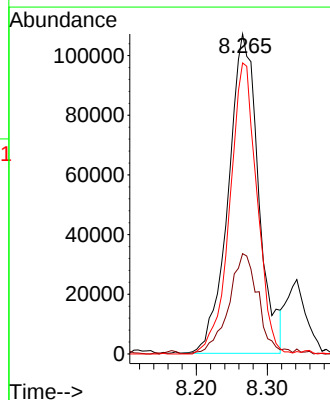
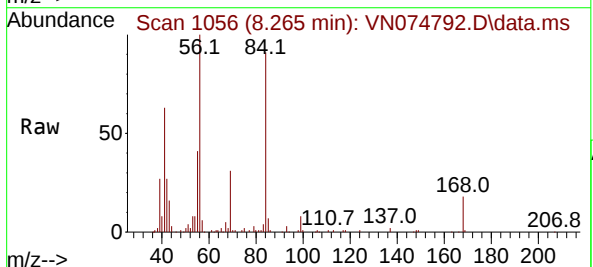
Instrument :
MSVOA_N
ClientSampleId :
MW-3DL

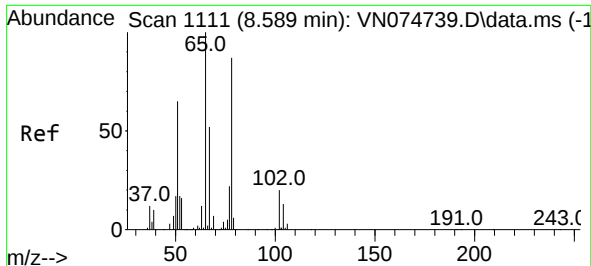
Tgt Ion:168 Resp: 285195
Ion Ratio Lower Upper
168 100
99 64.4 42.8 64.2#



#31
Cyclohexane
Concen: 27.079 ug/l
RT: 8.265 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN074792.D
Acq: 06 Oct 2022 18:41

Tgt Ion: 56 Resp: 316266
Ion Ratio Lower Upper
56 100
69 31.2 23.1 34.7
84 91.2 67.1 100.7





#33

1,2-Dichloroethane-d4

Concen: 53.887 ug/l

RT: 8.583 min Scan# 1111

Delta R.T. -0.006 min

Lab File: VN074792.D

Acq: 06 Oct 2022 18:41

Instrument :

MSVOA_N

ClientSampleId :

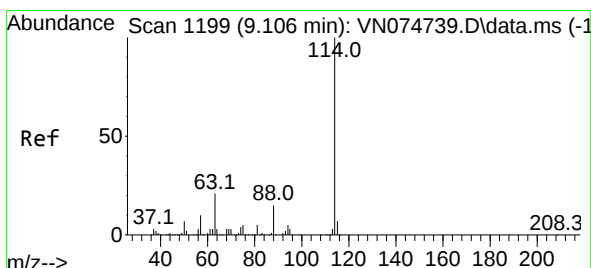
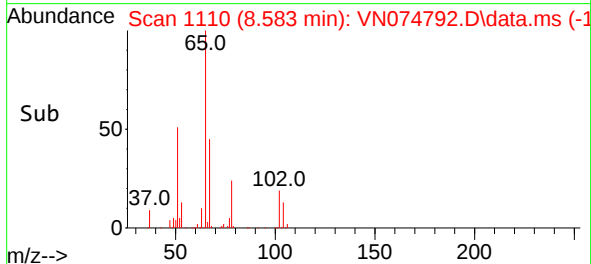
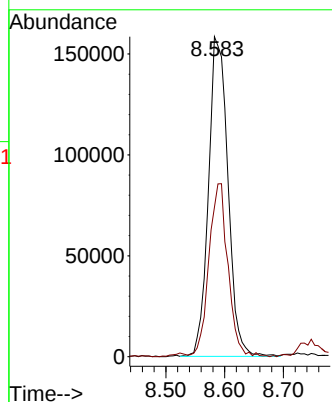
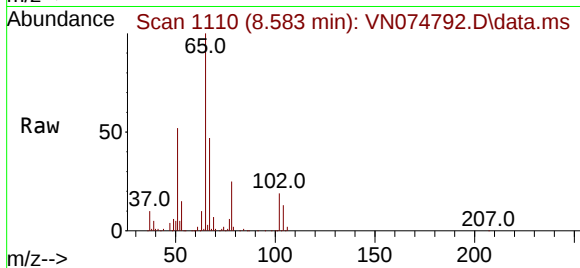
MW-3DL

Tgt Ion: 65 Resp: 364140

Ion Ratio Lower Upper

65 100

67 53.1 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1200

Delta R.T. 0.006 min

Lab File: VN074792.D

Acq: 06 Oct 2022 18:41

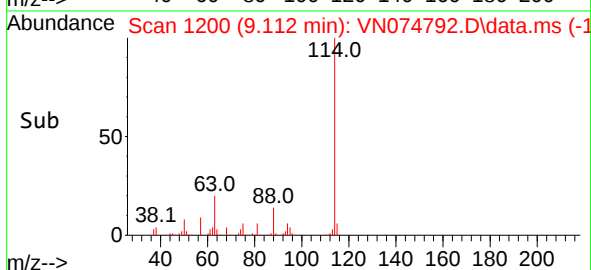
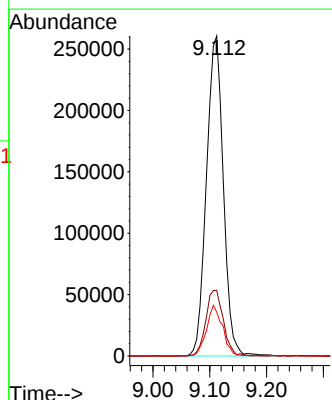
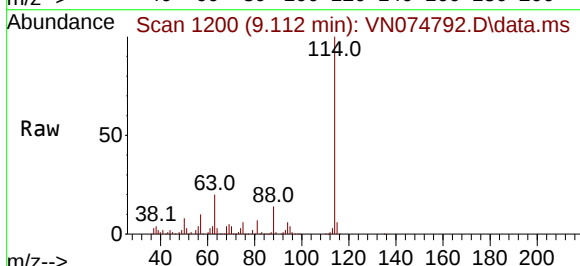
Tgt Ion: 114 Resp: 536642

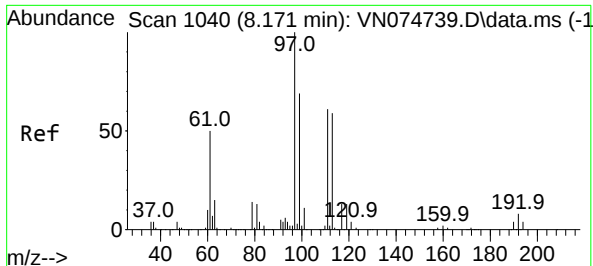
Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.2

88 13.7 0.0 30.2

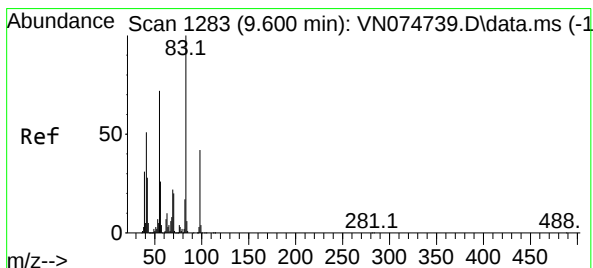
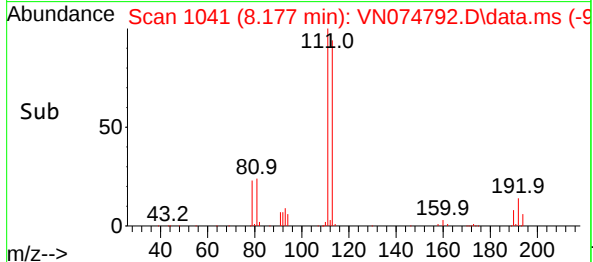
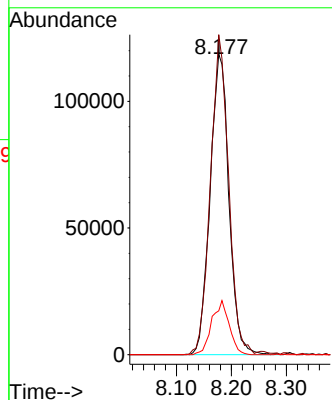
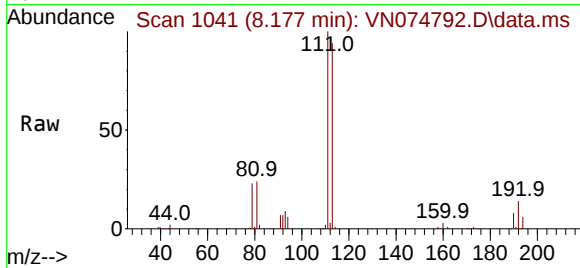




#35
Dibromofluoromethane
Concen: 52.002 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN074792.D
Acq: 06 Oct 2022 18:41

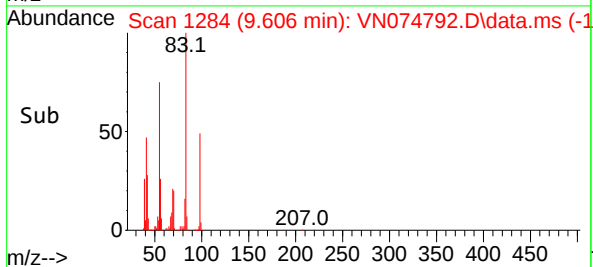
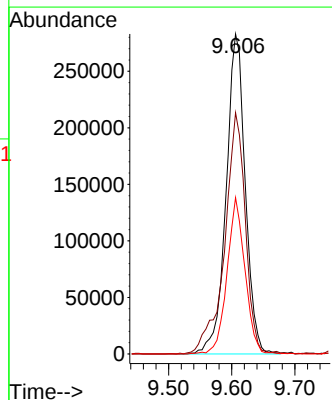
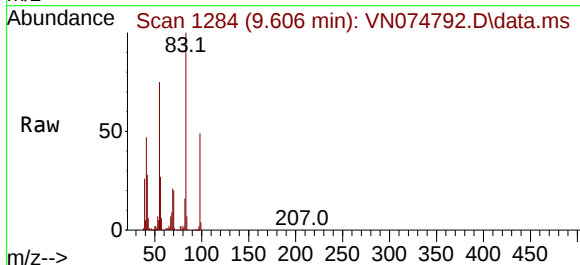
Instrument :
MSVOA_N
ClientSampleId :
MW-3DL

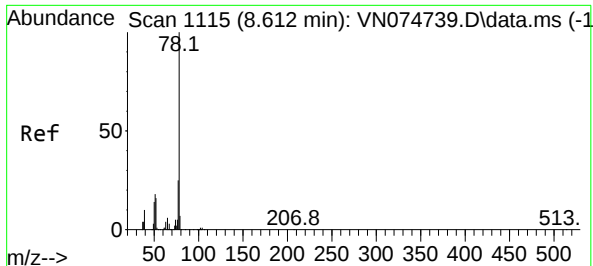
Tgt Ion:113 Resp: 281952
Ion Ratio Lower Upper
113 100
111 102.7 83.0 124.6
192 16.7 12.6 18.8



#39
Methylcyclohexane
Concen: 52.499 ug/l
RT: 9.606 min Scan# 1284
Delta R.T. 0.006 min
Lab File: VN074792.D
Acq: 06 Oct 2022 18:41

Tgt Ion: 83 Resp: 596849
Ion Ratio Lower Upper
83 100
55 75.1 57.3 85.9
98 48.9 33.4 50.2

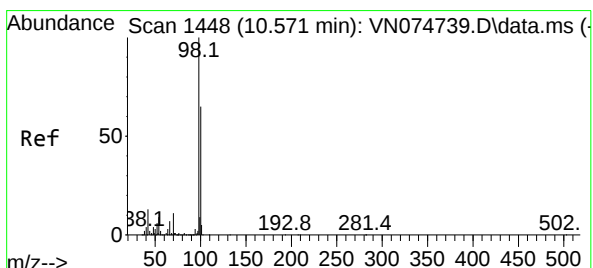
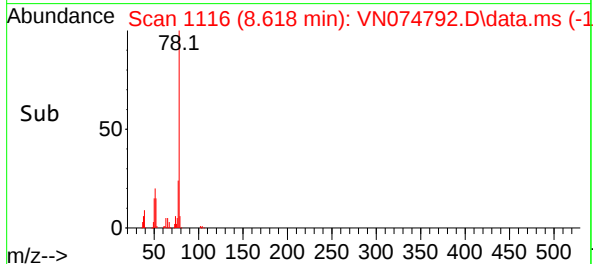
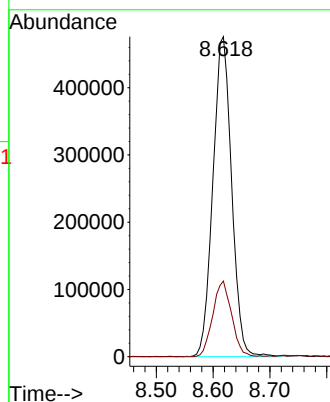
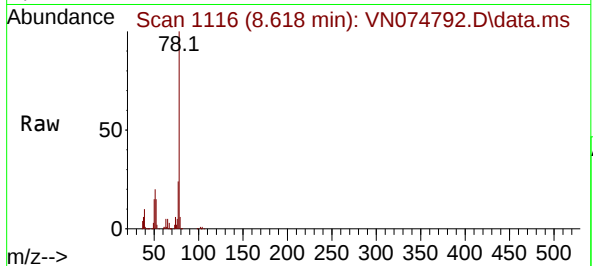




#40
Benzene
Concen: 38.303 ug/l
RT: 8.618 min Scan# 1115
Delta R.T. 0.006 min
Lab File: VN074792.D
Acq: 06 Oct 2022 18:41

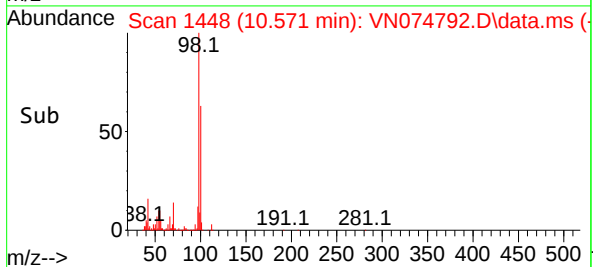
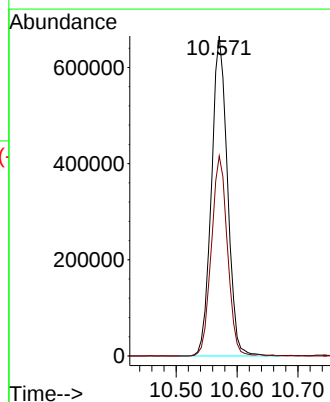
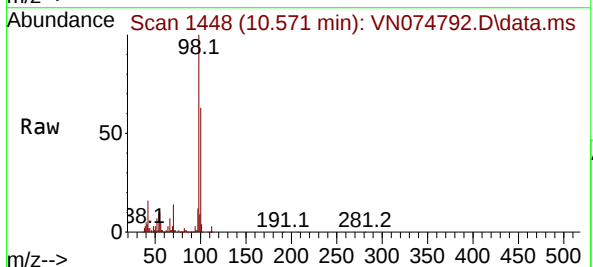
Instrument :
MSVOA_N
ClientSampleId :
MW-3DL

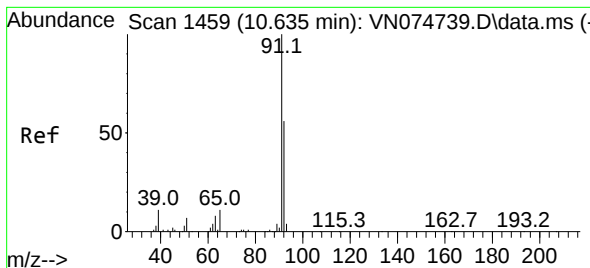
Tgt Ion: 78 Resp: 1088223
Ion Ratio Lower Upper
78 100
77 23.6 20.1 30.1



#50
Toluene-d8
Concen: 52.195 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN074792.D
Acq: 06 Oct 2022 18:41

Tgt Ion: 98 Resp: 1214318
Ion Ratio Lower Upper
98 100
100 62.5 50.7 76.1





#52

Toluene

Concen: 1.540 ug/l

RT: 10.635 min Scan# 1459

Delta R.T. 0.000 min

Lab File: VN074792.D

Acq: 06 Oct 2022 18:41

Instrument :

MSVOA_N

ClientSampleId :

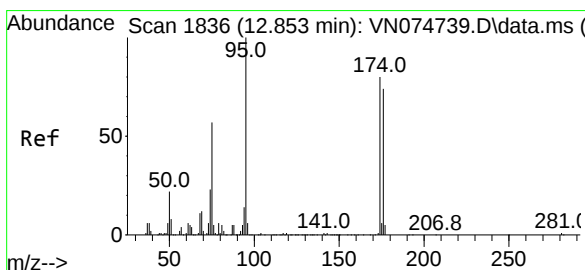
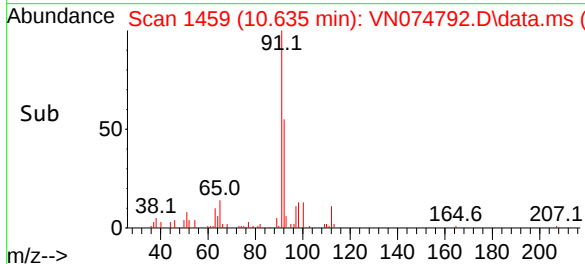
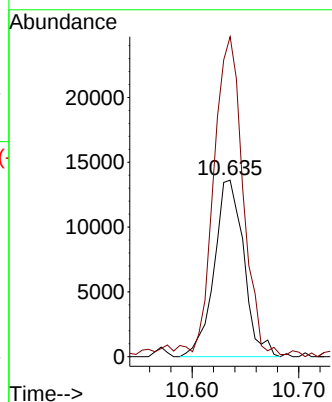
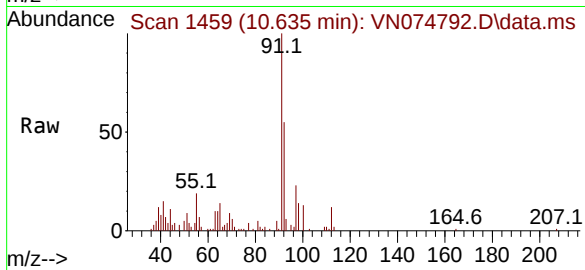
MW-3DL

Tgt Ion: 92 Resp: 26288

Ion Ratio Lower Upper

92 100

91 175.8 140.2 210.4



#62

4-Bromofluorobenzene

Concen: 46.324 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.000 min

Lab File: VN074792.D

Acq: 06 Oct 2022 18:41

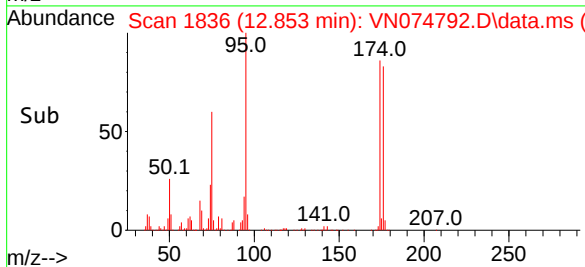
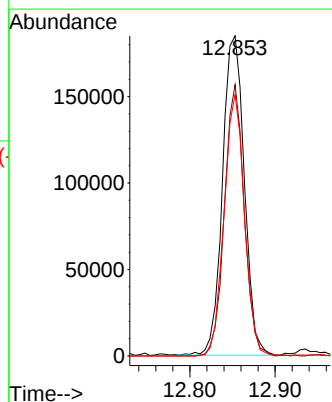
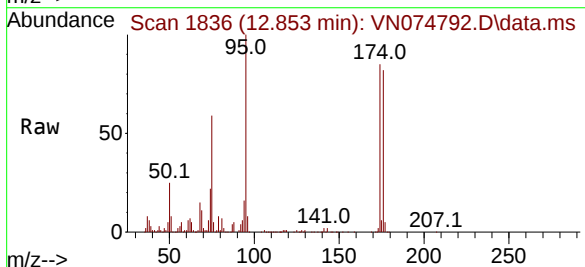
Tgt Ion: 95 Resp: 327611

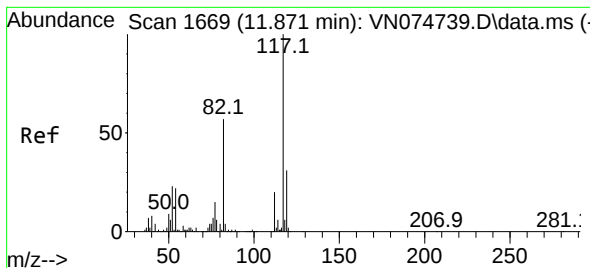
Ion Ratio Lower Upper

95 100

174 77.2 0.0 149.4

176 76.5 0.0 142.0

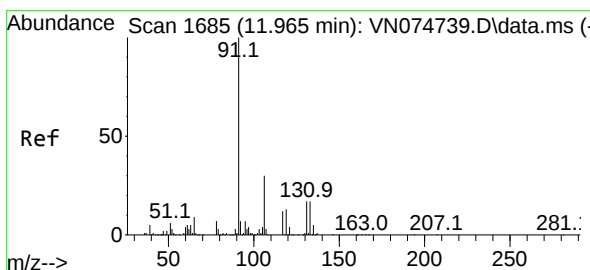
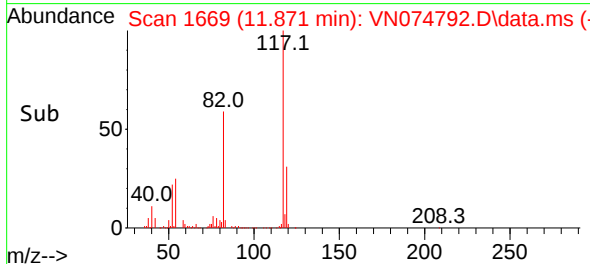
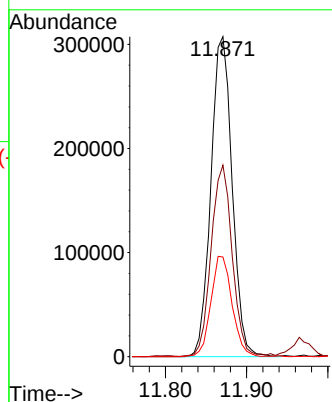
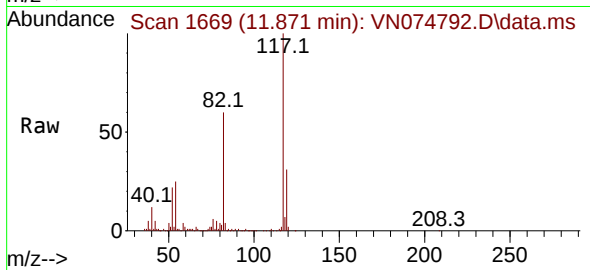




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.000 min
Lab File: VN074792.D
Acq: 06 Oct 2022 18:41

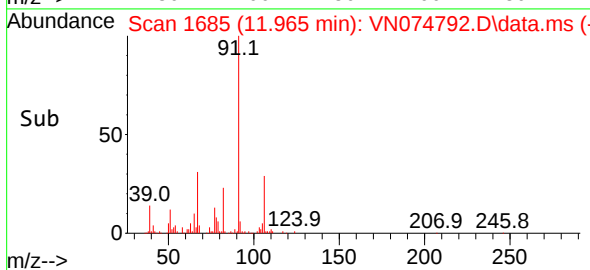
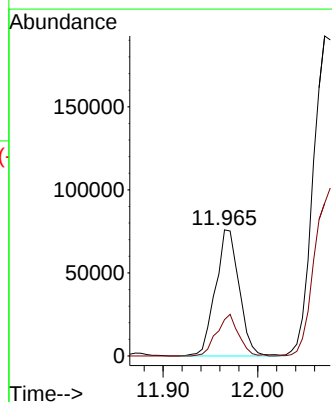
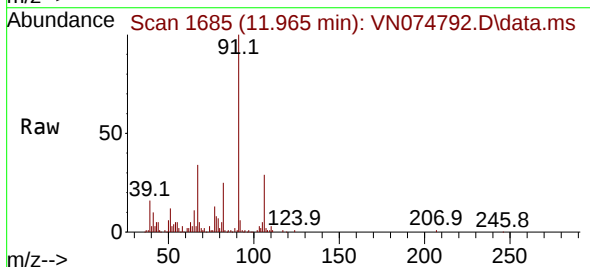
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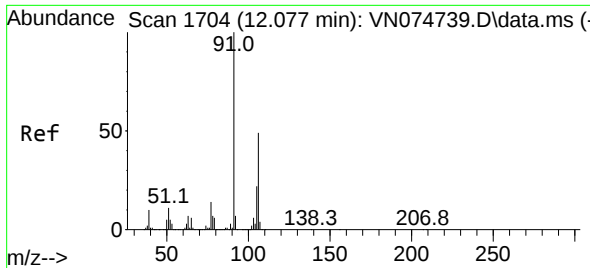
Tgt Ion:117 Resp: 558663
Ion Ratio Lower Upper
117 100
82 59.7 45.4 68.2
119 31.2 25.1 37.7



#67
Ethyl Benzene
Concen: 4.146 ug/l
RT: 11.965 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN074792.D
Acq: 06 Oct 2022 18:41

Tgt Ion: 91 Resp: 132263
Ion Ratio Lower Upper
91 100
106 28.8 24.1 36.1

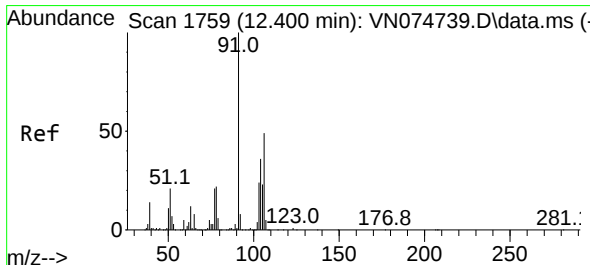
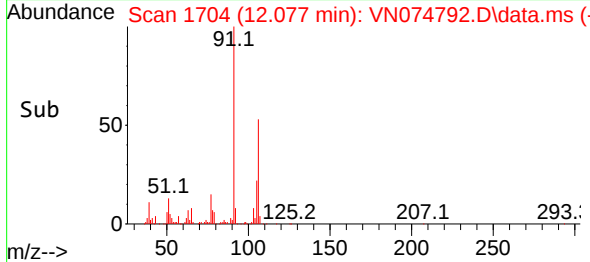
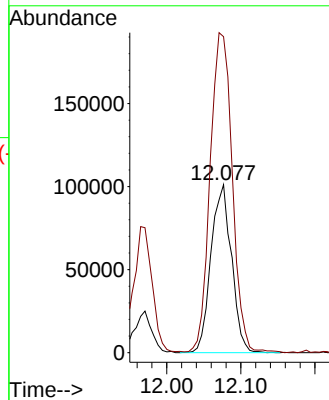
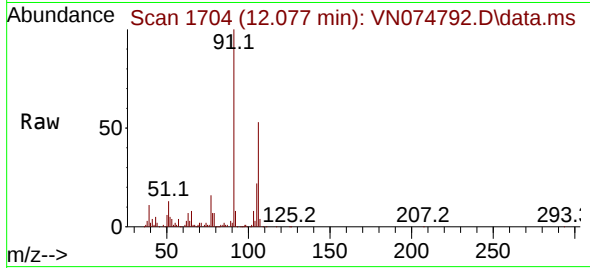




#68
m/p-Xylenes
Concen: 16.240 ug/l
RT: 12.077 min Scan# 1704
Delta R.T. 0.000 min
Lab File: VN074792.D
Acq: 06 Oct 2022 18:41

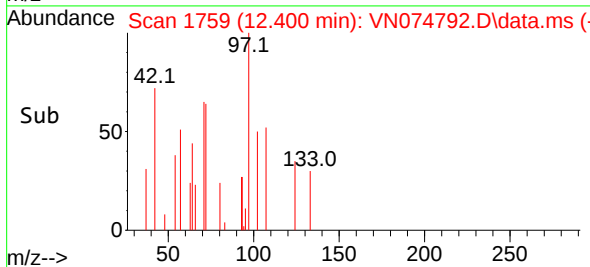
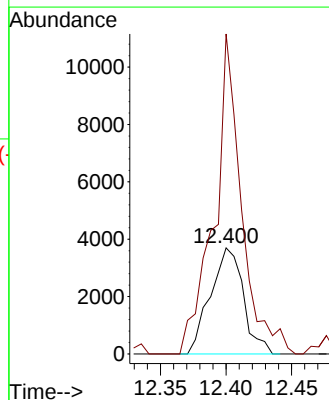
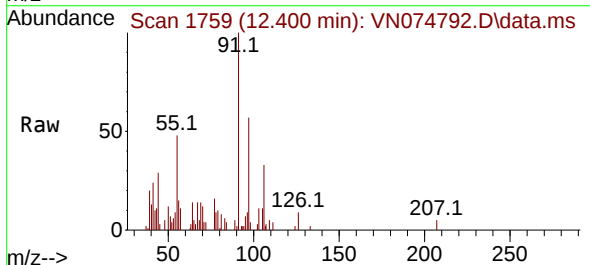
Instrument :
MSVOA_N
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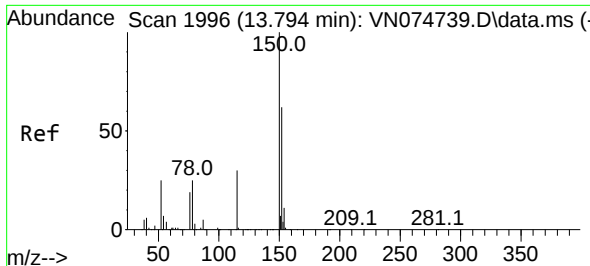
Tgt Ion:106 Resp: 194480
Ion Ratio Lower Upper
106 100
91 205.5 164.2 246.4



#69
o-Xylene
Concen: 0.526 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. 0.000 min
Lab File: VN074792.D
Acq: 06 Oct 2022 18:41

Tgt Ion:106 Resp: 6463
Ion Ratio Lower Upper
106 100
91 250.1 105.4 316.1

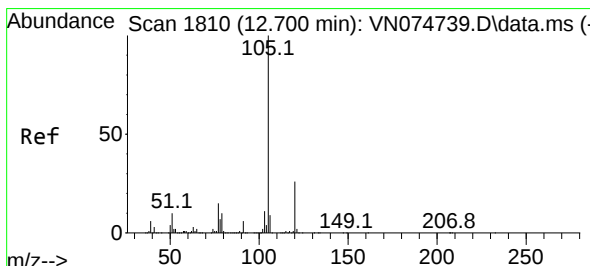
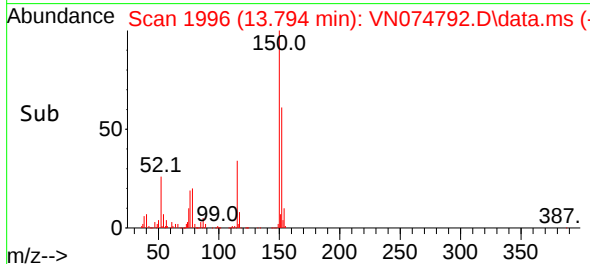
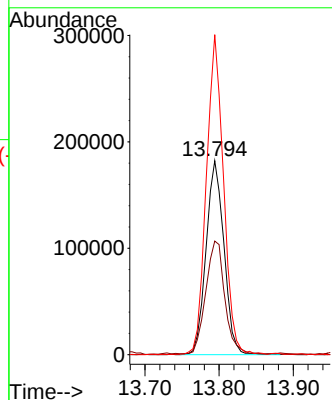
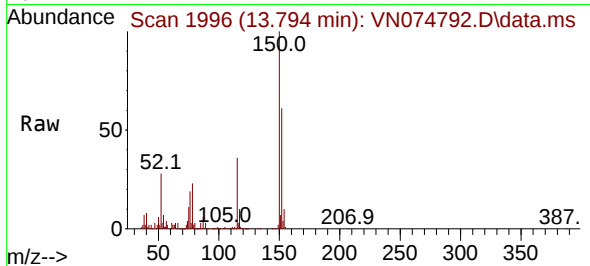




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. 0.000 min
 Lab File: VN074792.D
 Acq: 06 Oct 2022 18:41

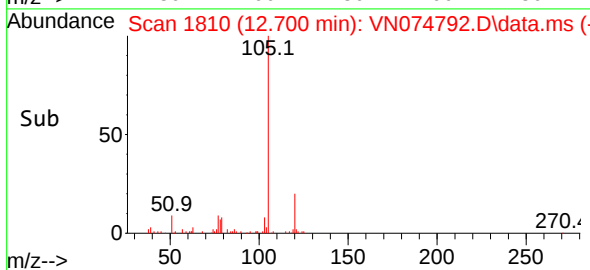
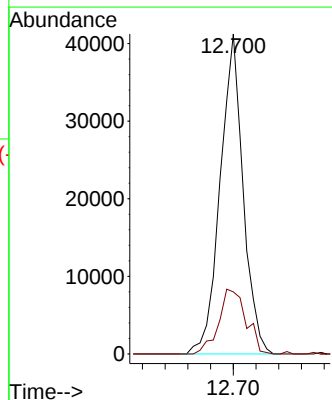
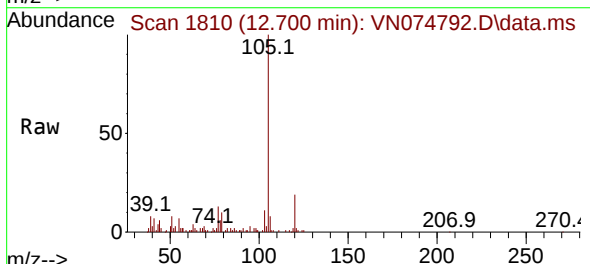
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3DL

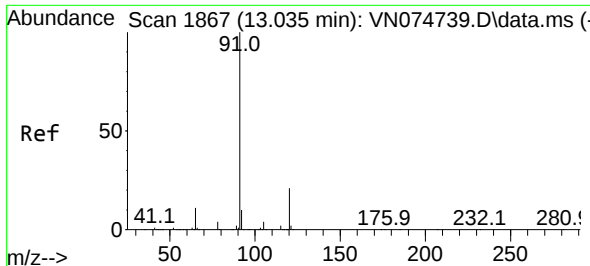
Tgt Ion:152 Resp: 306632
 Ion Ratio Lower Upper
 152 100
 115 61.5 30.0 90.0
 150 158.0 0.0 356.4



#73
 Isopropylbenzene
 Concen: 1.960 ug/l
 RT: 12.700 min Scan# 1810
 Delta R.T. 0.000 min
 Lab File: VN074792.D
 Acq: 06 Oct 2022 18:41

Tgt Ion:105 Resp: 57836
 Ion Ratio Lower Upper
 105 100
 120 24.3 13.1 39.3

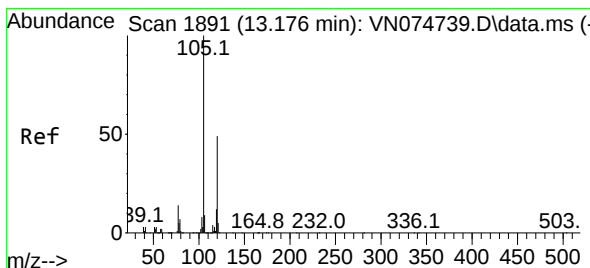
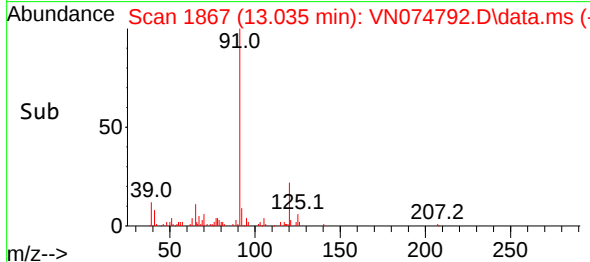
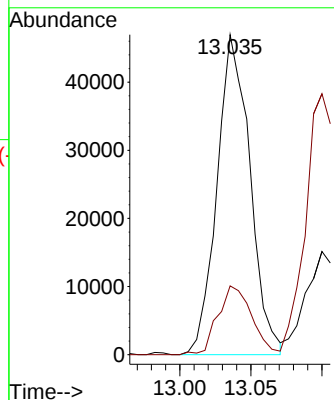
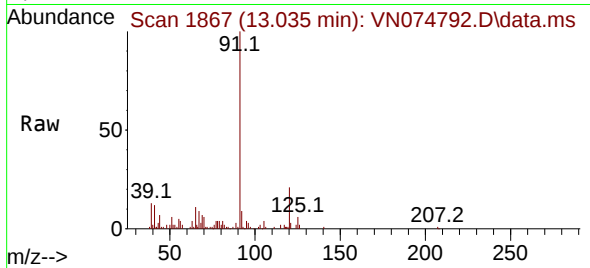




#78
n-propylbenzene
Concen: 2.230 ug/l
RT: 13.035 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VN074792.D
Acq: 06 Oct 2022 18:41

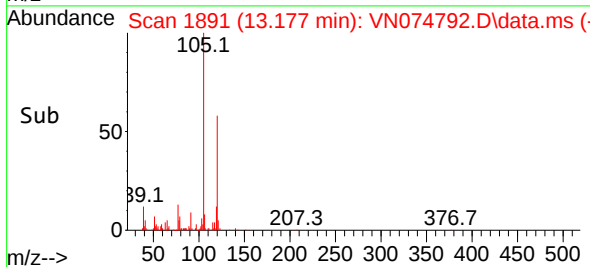
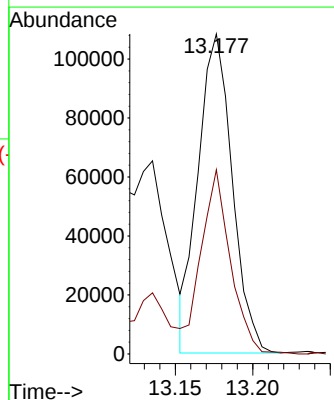
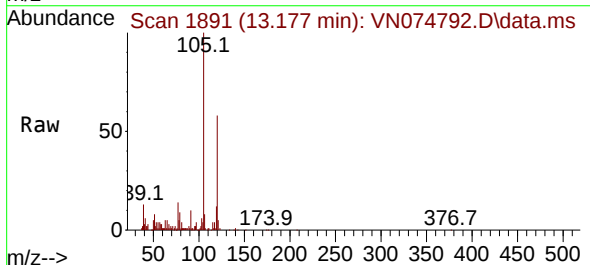
Instrument :
MSVOA_N
ClientSampleId :
MW-3DL

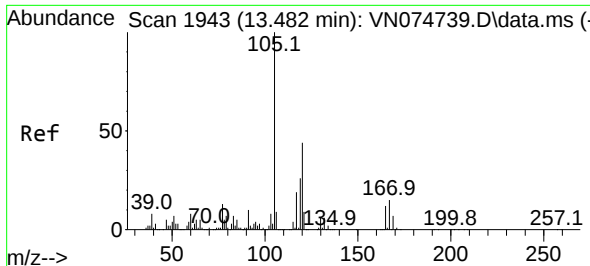
Tgt Ion: 91 Resp: 75807
Ion Ratio Lower Upper
91 100
120 22.2 10.8 32.4



#80
1,3,5-Trimethylbenzene
Concen: 7.024 ug/l
RT: 13.177 min Scan# 1891
Delta R.T. 0.000 min
Lab File: VN074792.D
Acq: 06 Oct 2022 18:41

Tgt Ion: 105 Resp: 165290
Ion Ratio Lower Upper
105 100
120 49.8 24.6 73.6

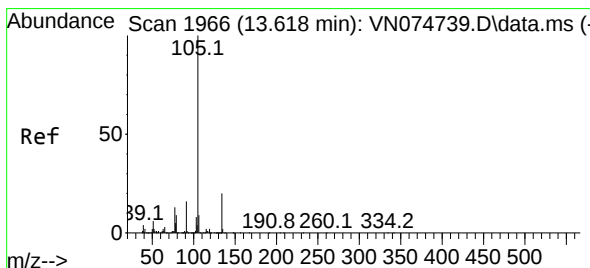
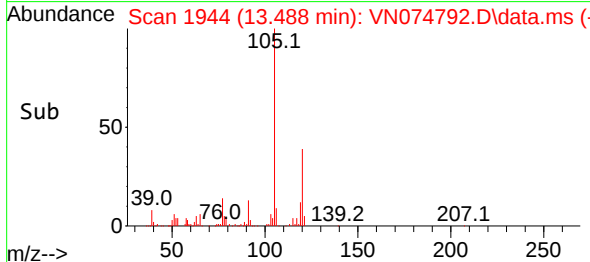
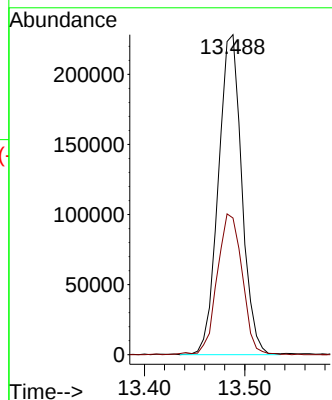
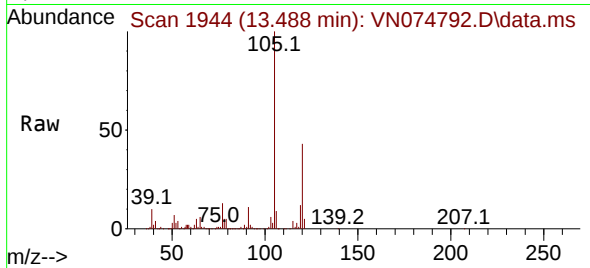




#84
1,2,4-Trimethylbenzene
Concen: 15.585 ug/l
RT: 13.488 min Scan# 1943
Delta R.T. 0.006 min
Lab File: VN074792.D
Acq: 06 Oct 2022 18:41

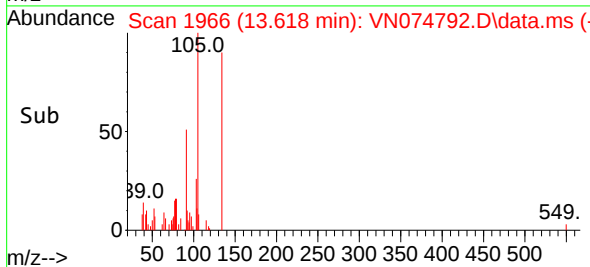
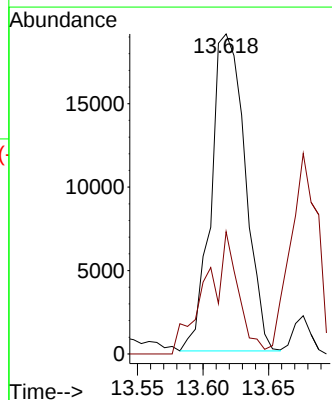
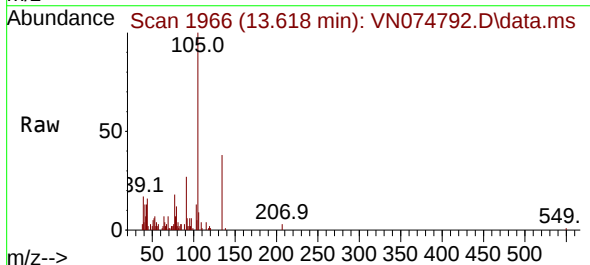
Instrument :
MSVOA_N
ClientSampleId :
MW-3DL

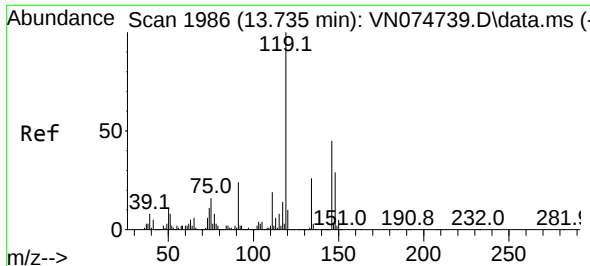
Tgt Ion:105 Resp: 370836
Ion Ratio Lower Upper
105 100
120 47.1 21.7 65.1



#85
sec-Butylbenzene
Concen: 1.164 ug/l
RT: 13.618 min Scan# 1966
Delta R.T. 0.000 min
Lab File: VN074792.D
Acq: 06 Oct 2022 18:41

Tgt Ion:105 Resp: 34400
Ion Ratio Lower Upper
105 100
134 36.4 9.4 28.2#

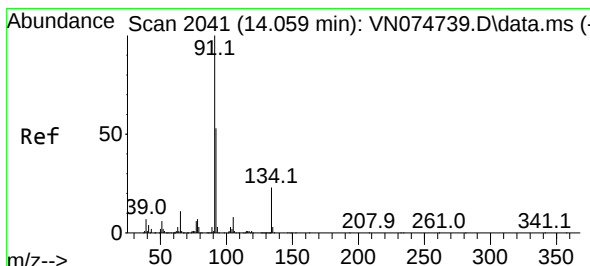
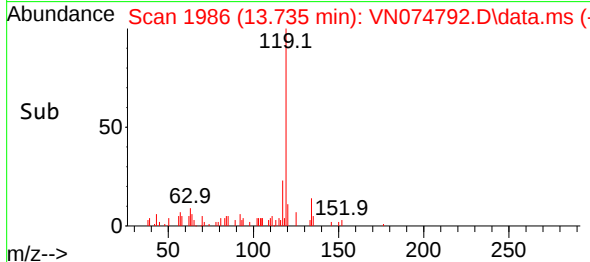
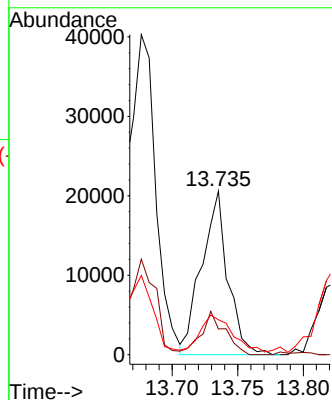
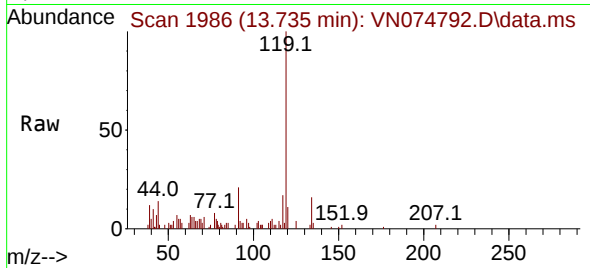




#86
 p-Isopropyltoluene
 Concen: 1.258 ug/l
 RT: 13.735 min Scan# 1986
 Delta R.T. 0.000 min
 Lab File: VN074792.D
 Acq: 06 Oct 2022 18:41

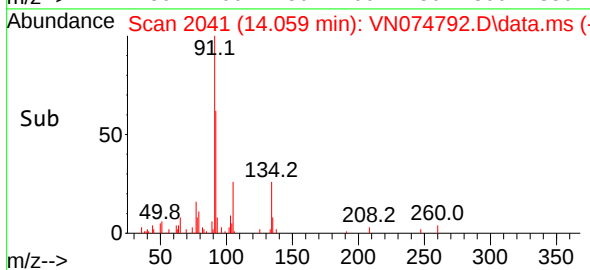
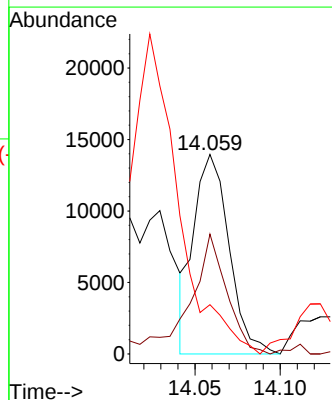
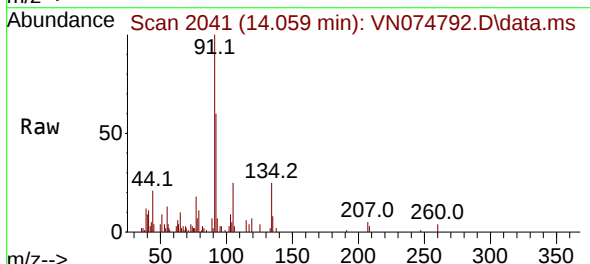
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3DL

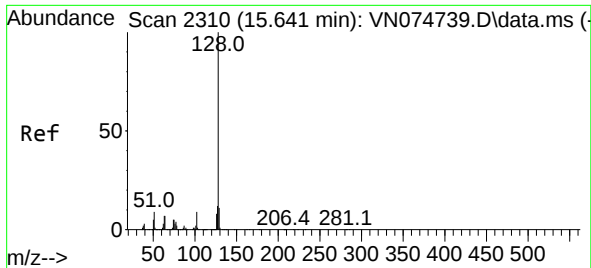
Tgt Ion:	119	Resp:	28687
Ion Ratio	Lower	Upper	
119	100		
134	23.8	13.1	39.1
91	26.8	12.0	36.0



#89
 n-Butylbenzene
 Concen: 0.998 ug/l
 RT: 14.059 min Scan# 2041
 Delta R.T. 0.000 min
 Lab File: VN074792.D
 Acq: 06 Oct 2022 18:41

Tgt Ion:	91	Resp:	20068
Ion Ratio	Lower	Upper	
91	100		
92	61.9	26.7	80.0
134	0.0	11.9	35.5





#95

Naphthalene

Concen: 3.063 ug/l

RT: 15.641 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN074792.D

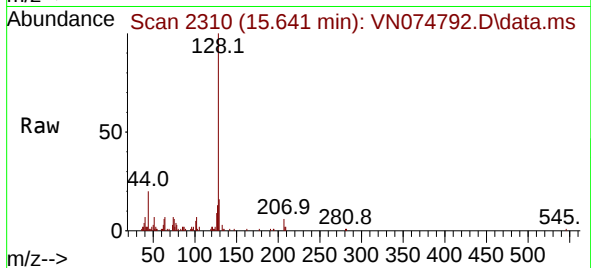
Acq: 06 Oct 2022 18:41

Instrument :

MSVOA_N

ClientSampleId :

MW-3DL



Tgt Ion:128 Resp: 65273

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	12.3	9.0	13.4

