

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090122\
 Data File : VN074270.D
 Acq On : 02 Sep 2022 03:19
 Operator : JC\MD
 Sample : N4354-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-22

Quant Time: Sep 02 05:45:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083022W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 31 07:02:40 2022
 Response via : Initial Calibration

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

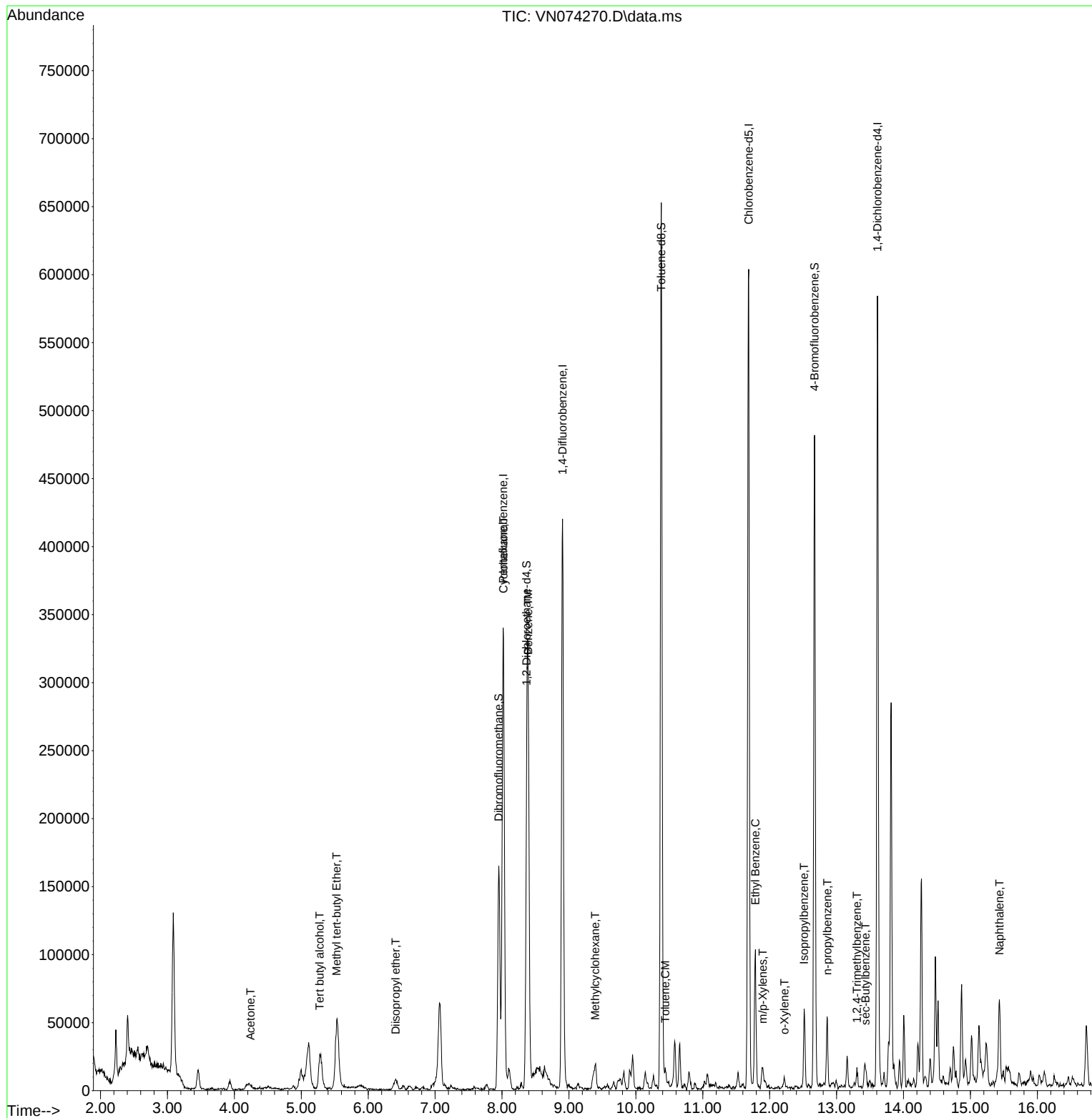
Internal Standards						
1) Pentafluorobenzene	8.016	168	187176	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	348090	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	321198	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	138413	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	137573	47.381	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	94.760%	
35) Dibromofluoromethane	7.951	113	115433	50.962	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	101.920%	
50) Toluene-d8	10.381	98	423492	47.476	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	94.960%	
62) 4-Bromofluorobenzene	12.669	95	150379	55.435	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	110.880%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.275	59	45948	64.587	ug/l	96
16) Acetone	4.240	43	6121	3.155	ug/l #	76
19) Methyl tert-butyl Ether	5.528	73	64647	7.964	ug/l #	63
22) Diisopropyl ether	6.410	45	9579	0.961	ug/l #	74
31) Cyclohexane	8.022	56	52438	10.930	ug/l	93
39) Methylcyclohexane	9.392	83	6636	1.538	ug/l #	92
40) Benzene	8.392	78	235447	20.403	ug/l	95
52) Toluene	10.439	92	5018	0.738	ug/l	97
67) Ethyl Benzene	11.786	91	66160	5.101	ug/l	99
68) m/p-Xylenes	11.898	106	5261	1.092	ug/l	93
69) o-Xylene	12.222	106	2010	0.419	ug/l	87
73) Isopropylbenzene	12.516	105	33510	2.827	ug/l	95
78) n-propylbenzene	12.863	91	39086	2.893	ug/l	98
84) 1,2,4-Trimethylbenzene	13.304	105	7370	0.792	ug/l	98
85) sec-Butylbenzene	13.433	105	6338	0.548	ug/l #	38
95) Naphthalene	15.433	128	53662	6.143	ug/l #	96

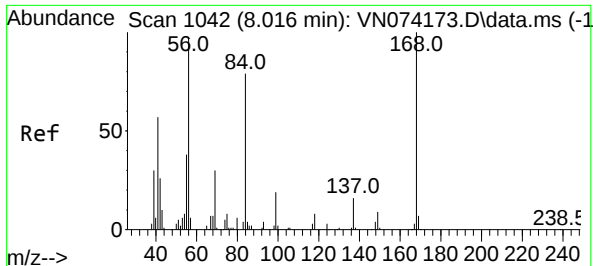
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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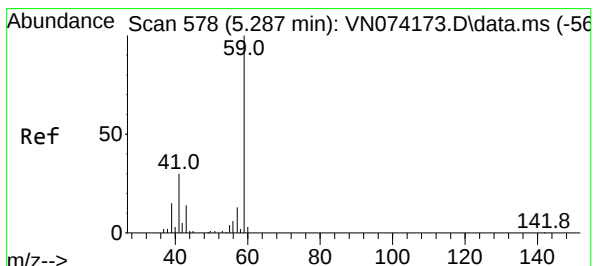
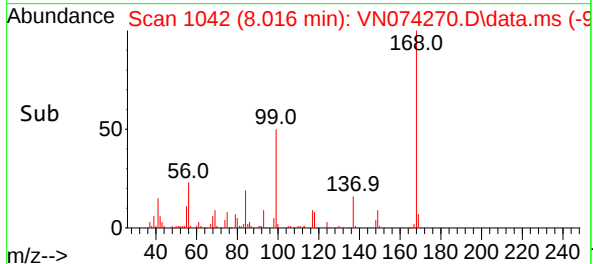
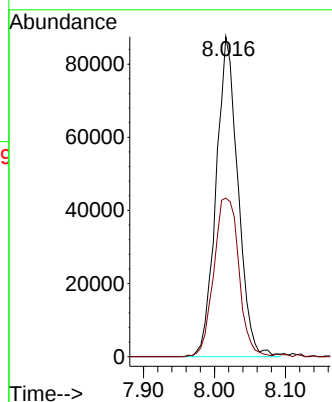
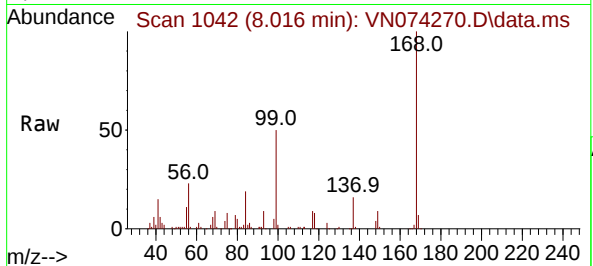




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074270.D
Acq: 02 Sep 2022 03:19

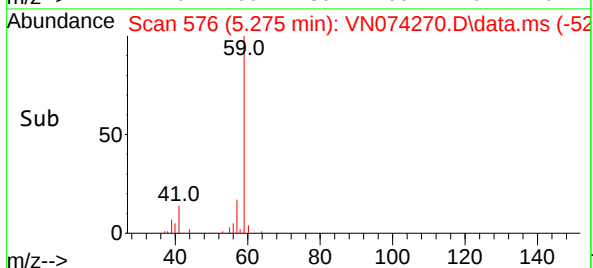
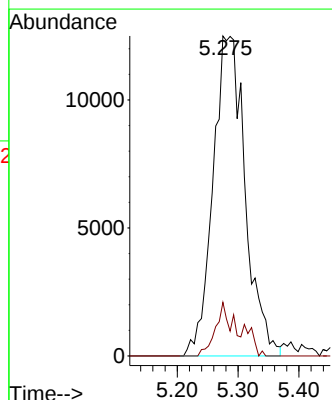
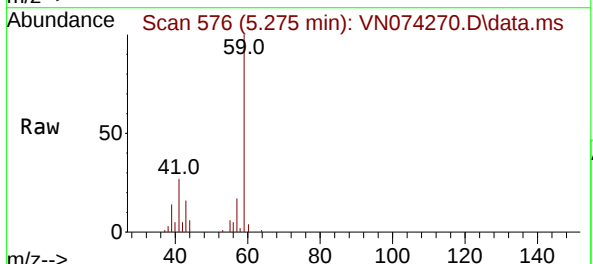
Instrument :
MSVOA_N
ClientSampleId :
MW-22

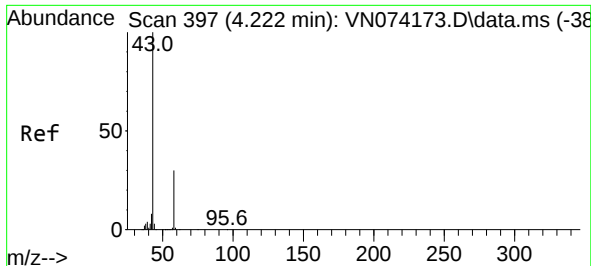
Tgt Ion:168 Resp: 187176
Ion Ratio Lower Upper
168 100
99 49.6 42.3 63.5



#11
Tert butyl alcohol
Concen: 64.587 ug/l
RT: 5.275 min Scan# 576
Delta R.T. -0.012 min
Lab File: VN074270.D
Acq: 02 Sep 2022 03:19

Tgt Ion: 59 Resp: 45948
Ion Ratio Lower Upper
59 100
57 9.0 8.3 12.5





#16

Acetone

Concen: 3.155 ug/l

RT: 4.240 min Scan# 40

Delta R.T. 0.018 min

Lab File: VN074270.D

Acq: 02 Sep 2022 03:19

Instrument :

MSVOA_N

ClientSampleId :

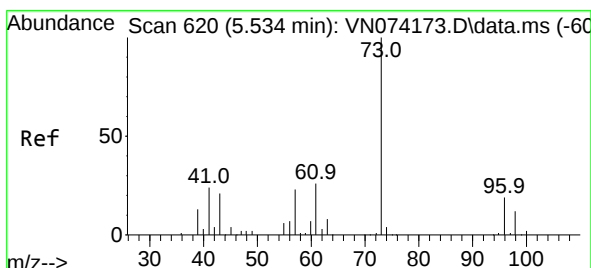
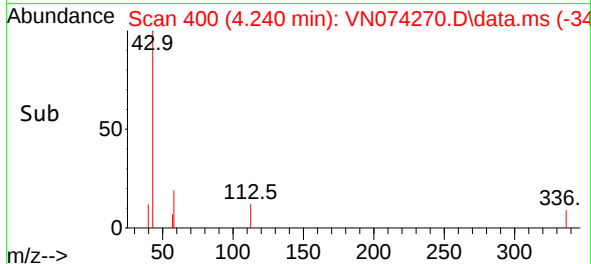
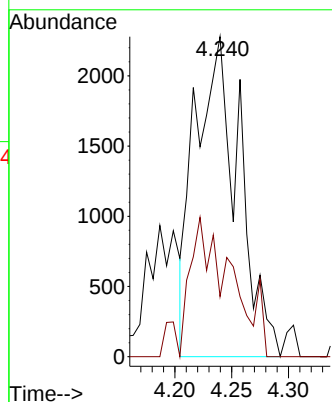
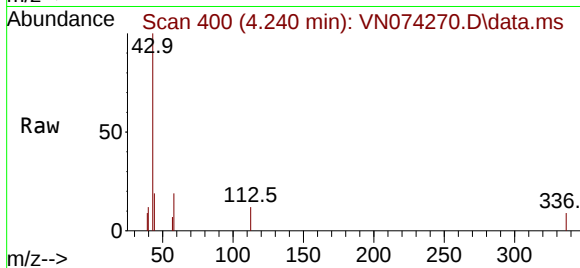
MW-22

Tgt Ion: 43 Resp: 6121

Ion Ratio Lower Upper

43 100

58 18.8 26.0 39.0#



#19

Methyl tert-butyl Ether

Concen: 7.964 ug/l

RT: 5.528 min Scan# 619

Delta R.T. -0.006 min

Lab File: VN074270.D

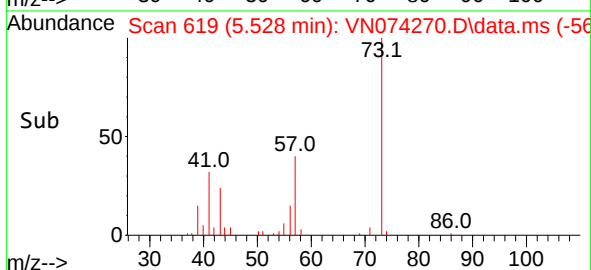
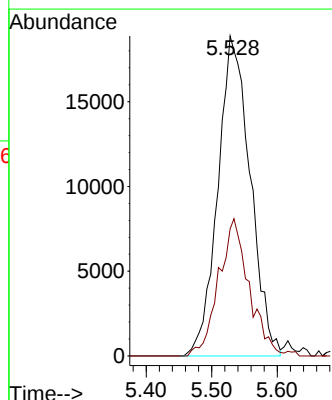
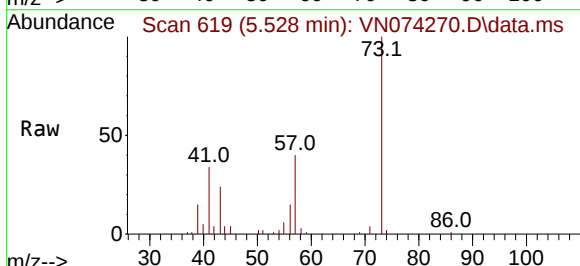
Acq: 02 Sep 2022 03:19

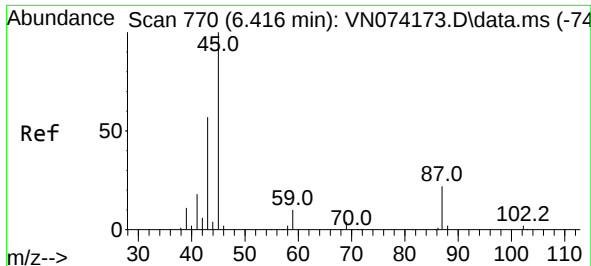
Tgt Ion: 73 Resp: 64647

Ion Ratio Lower Upper

73 100

57 39.7 17.6 26.4#

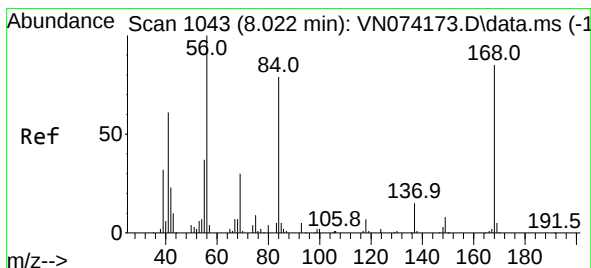
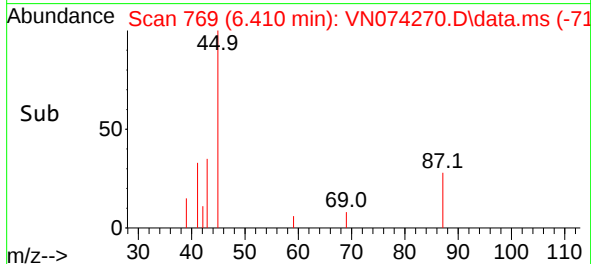
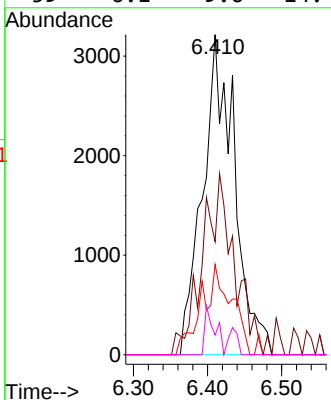
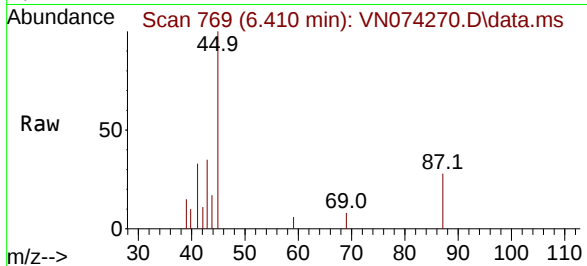




#22
Diisopropyl ether
Concen: 0.961 ug/l
RT: 6.410 min Scan# 770
Delta R.T. -0.006 min
Lab File: VN074270.D
Acq: 02 Sep 2022 03:19

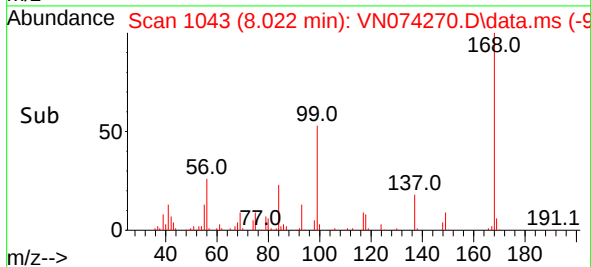
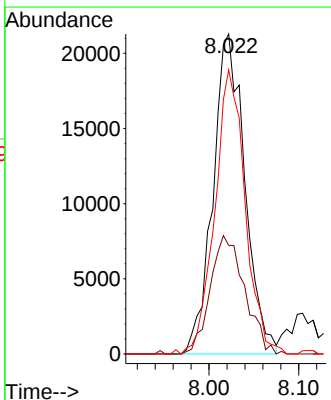
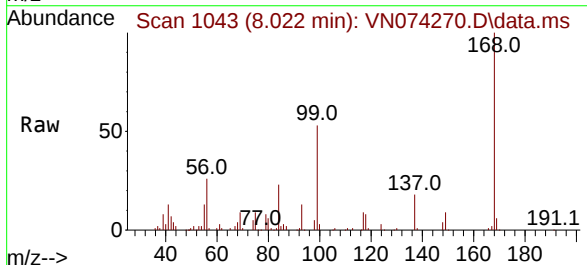
Instrument :
MSVOA_N
ClientSampleId :
MW-22

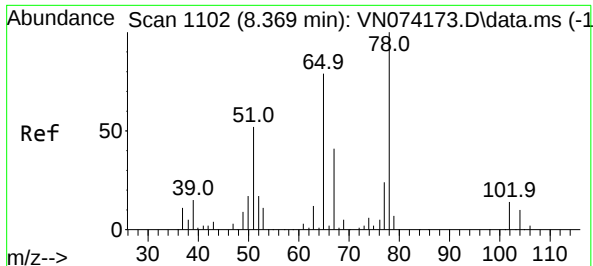
Tgt Ion:	45	Resp:	9579
Ion	Ratio	Lower	Upper
45	100		
43	28.5	46.6	70.0#
87	28.2	24.3	36.5
59	6.1	9.6	14.4#



#31
Cyclohexane
Concen: 10.930 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VN074270.D
Acq: 02 Sep 2022 03:19

Tgt Ion:	56	Resp:	52438
Ion	Ratio	Lower	Upper
56	100		
69	34.0	27.8	41.8
84	87.5	76.9	115.3





#33

1,2-Dichloroethane-d4

Concen: 47.381 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN074270.D

Acq: 02 Sep 2022 03:19

Instrument :

MSVOA_N

ClientSampleId :

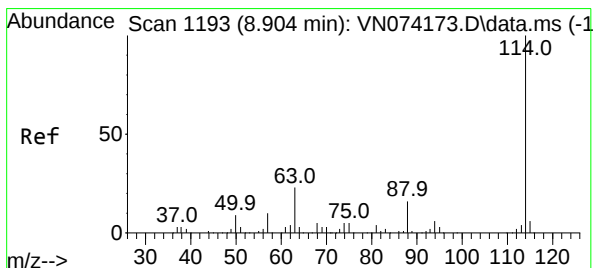
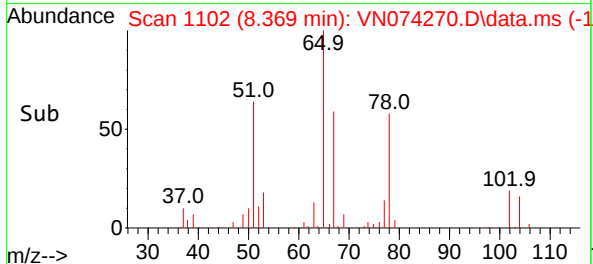
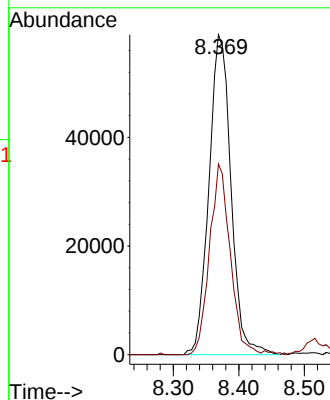
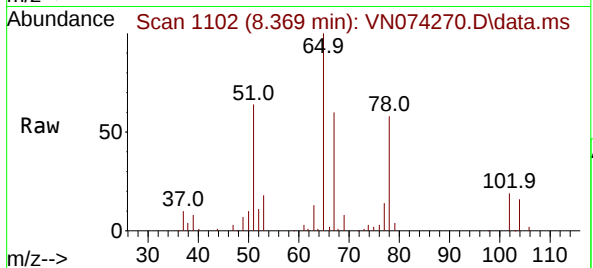
MW-22

Tgt Ion: 65 Resp: 137573

Ion Ratio Lower Upper

65 100

67 55.8 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: VN074270.D

Acq: 02 Sep 2022 03:19

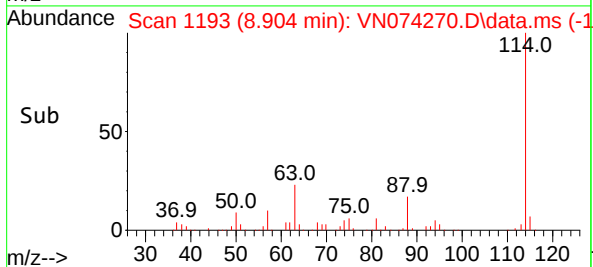
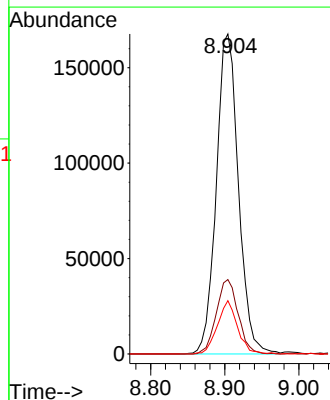
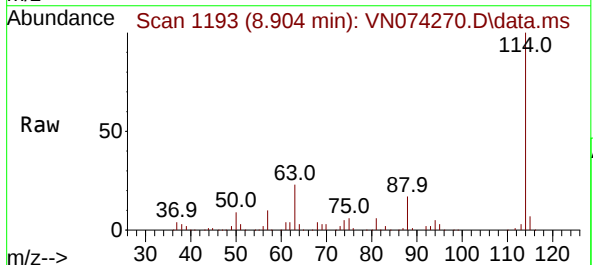
Tgt Ion: 114 Resp: 348090

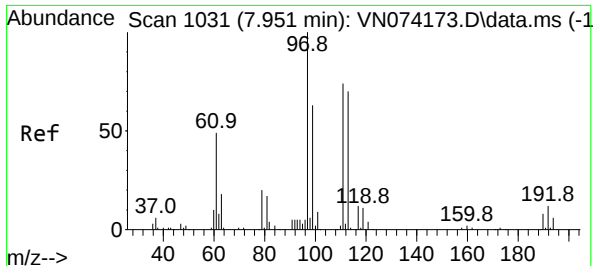
Ion Ratio Lower Upper

114 100

63 23.3 0.0 40.0

88 16.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.962 ug/l

RT: 7.951 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VN074270.D

Acq: 02 Sep 2022 03:19

Instrument :

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ClientSampleId :

MW-22

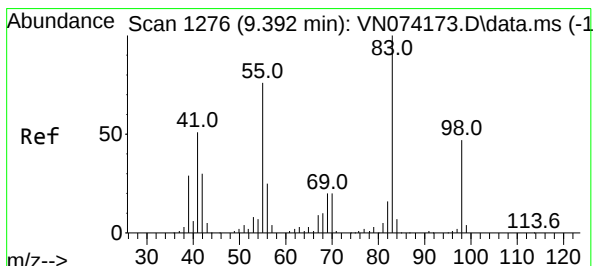
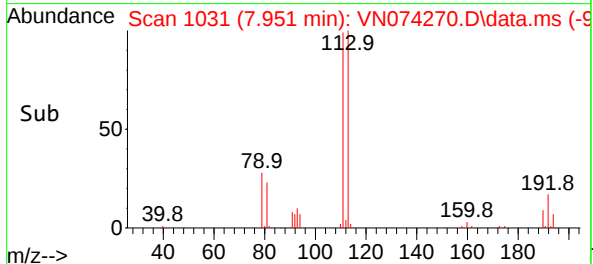
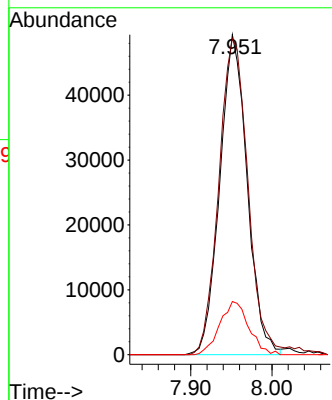
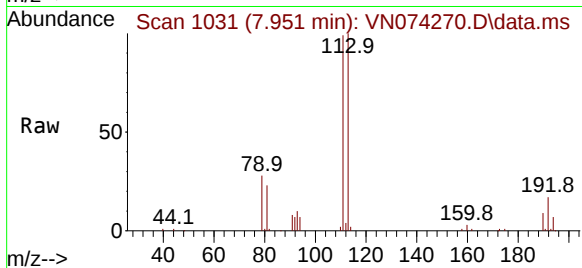
Tgt Ion:113 Resp: 115433

Ion Ratio Lower Upper

113 100

111 106.7 81.4 122.0

192 17.6 17.0 25.6



#39

Methylcyclohexane

Concen: 1.538 ug/l

RT: 9.392 min Scan# 1276

Delta R.T. 0.000 min

Lab File: VN074270.D

Acq: 02 Sep 2022 03:19

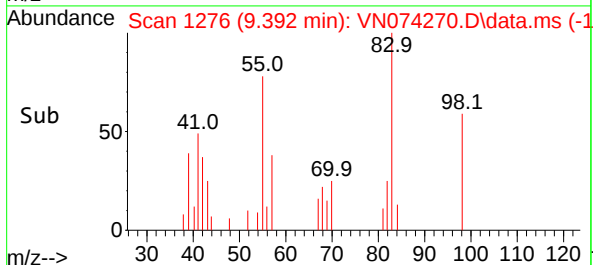
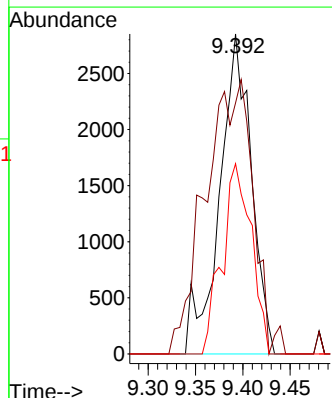
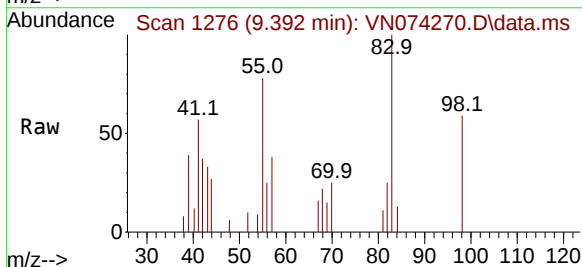
Tgt Ion: 83 Resp: 6636

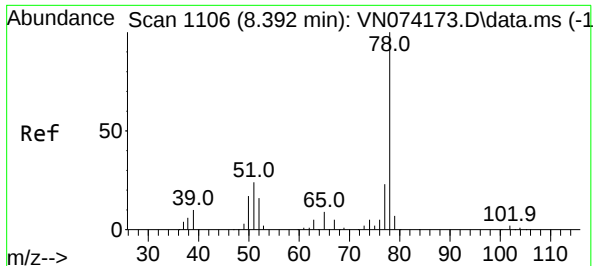
Ion Ratio Lower Upper

83 100

55 70.2 57.8 86.8

98 59.4 39.4 59.2#

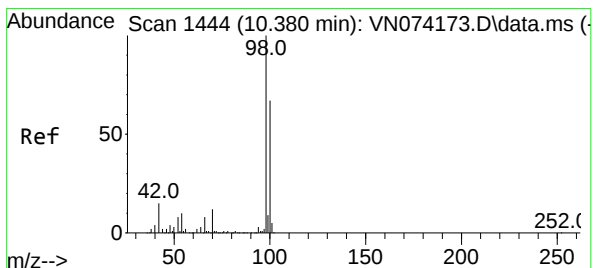
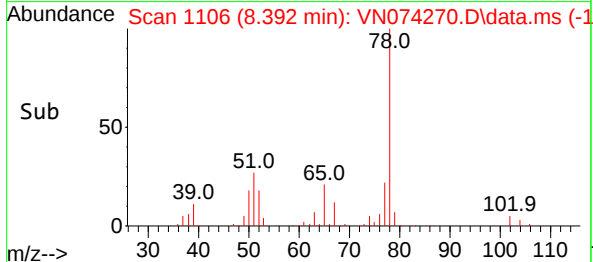
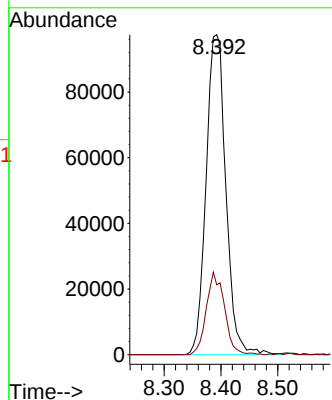
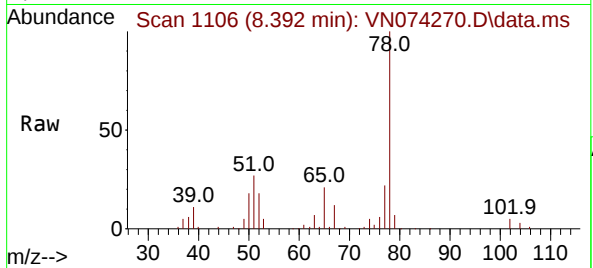




#40
Benzene
Concen: 20.403 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VN074270.D
Acq: 02 Sep 2022 03:19

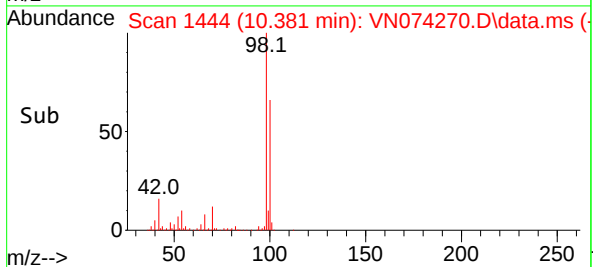
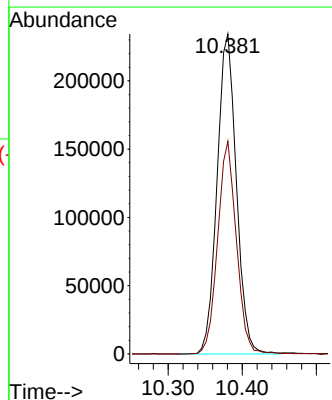
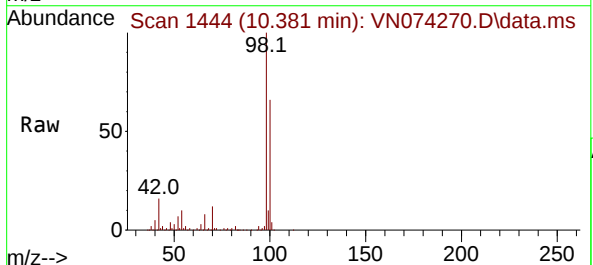
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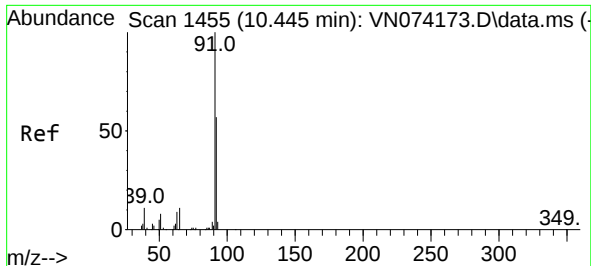
Tgt Ion: 78 Resp: 235447
Ion Ratio Lower Upper
78 100
77 21.9 19.4 29.0



#50
Toluene-d8
Concen: 47.476 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074270.D
Acq: 02 Sep 2022 03:19

Tgt Ion: 98 Resp: 423492
Ion Ratio Lower Upper
98 100
100 64.6 52.6 78.8

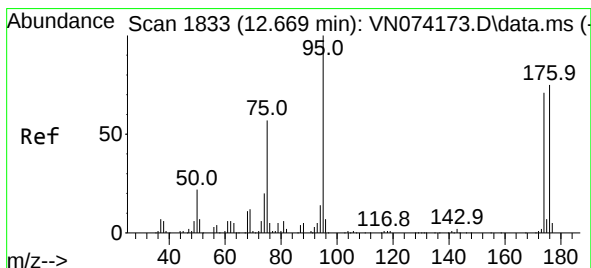
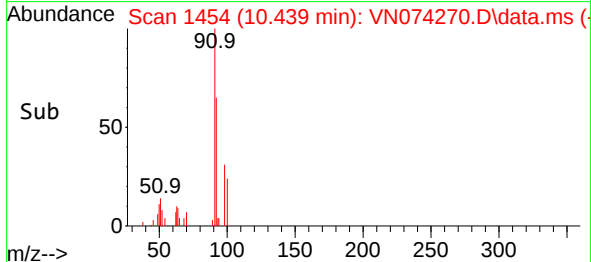
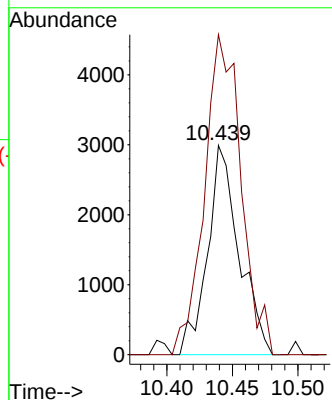
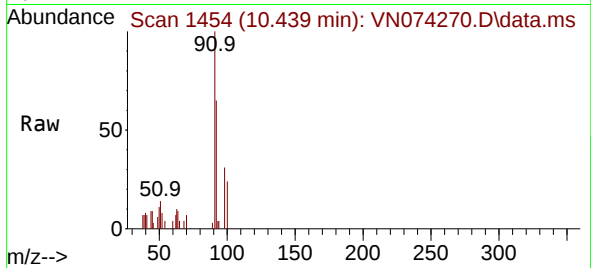




#52
Toluene
Concen: 0.738 ug/l
RT: 10.439 min Scan# 1455
Delta R.T. -0.006 min
Lab File: VN074270.D
Acq: 02 Sep 2022 03:19

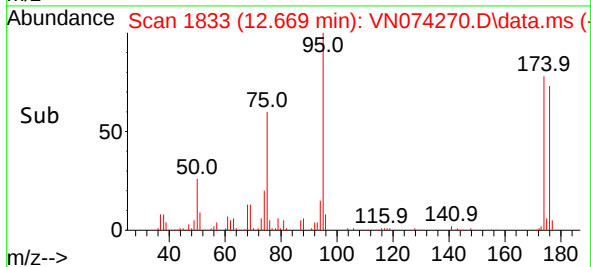
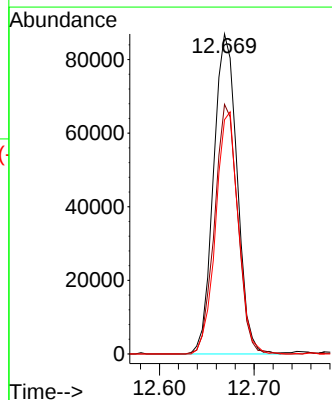
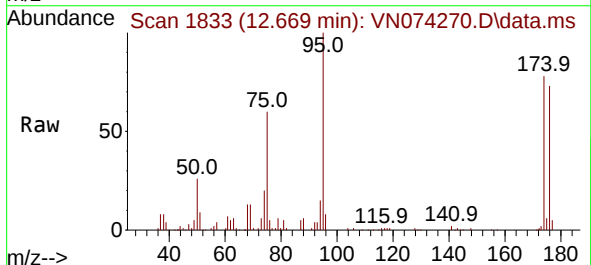
Instrument :
MSVOA_N
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MW-22

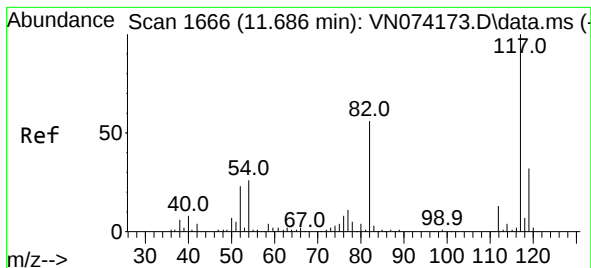
Tgt Ion: 92 Resp: 5018
Ion Ratio Lower Upper
92 100
91 176.8 138.6 207.8



#62
4-Bromofluorobenzene
Concen: 55.435 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN074270.D
Acq: 02 Sep 2022 03:19

Tgt Ion: 95 Resp: 150379
Ion Ratio Lower Upper
95 100
174 76.5 0.0 167.6
176 73.0 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.686 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN074270.D

Acq: 02 Sep 2022 03:19

Instrument :

MSVOA_N

ClientSampleId :

MW-22

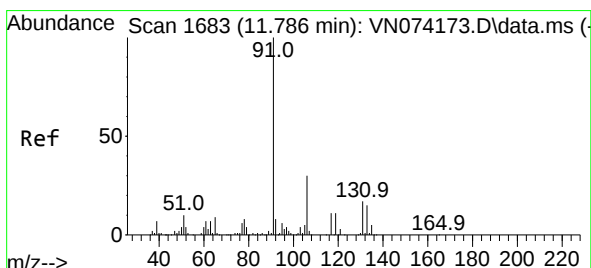
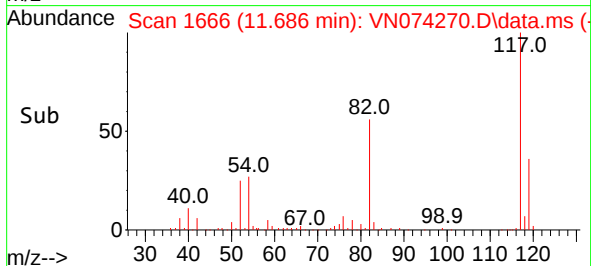
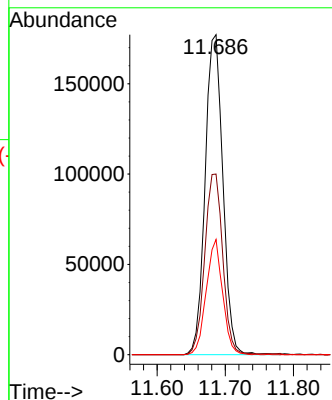
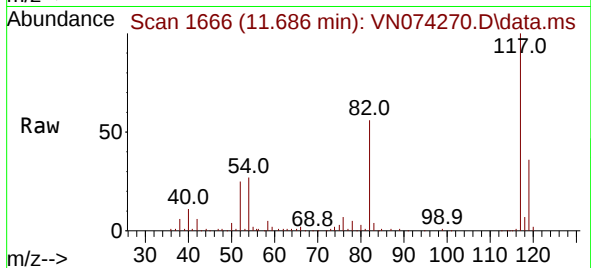
Tgt Ion:117 Resp: 321198

Ion Ratio Lower Upper

117 100

82 56.4 44.2 66.2

119 36.0 25.4 38.0



#67

Ethyl Benzene

Concen: 5.101 ug/l

RT: 11.786 min Scan# 1683

Delta R.T. 0.000 min

Lab File: VN074270.D

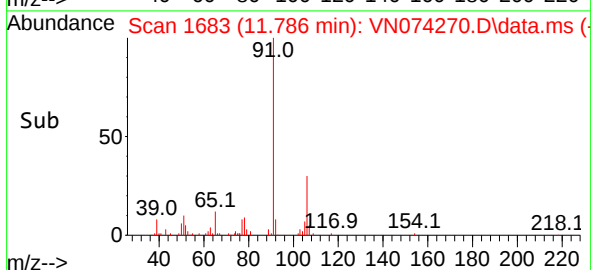
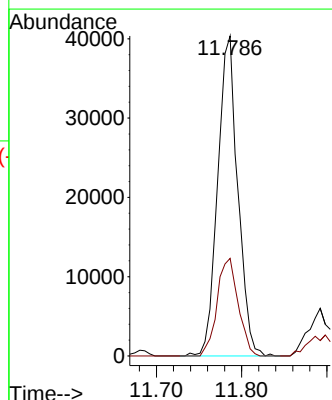
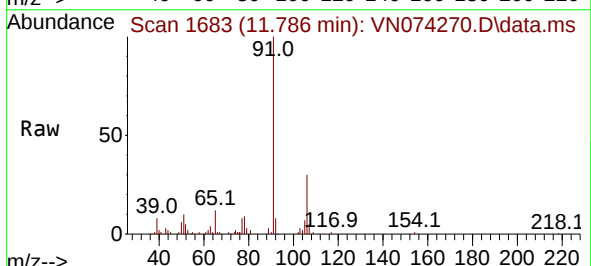
Acq: 02 Sep 2022 03:19

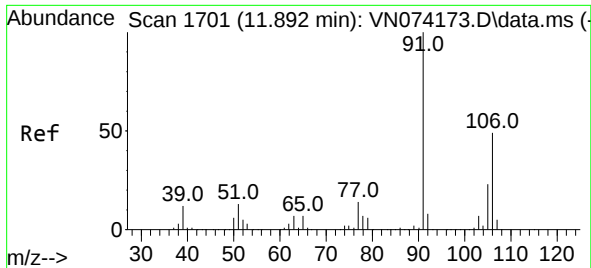
Tgt Ion: 91 Resp: 66160

Ion Ratio Lower Upper

91 100

106 30.5 24.9 37.3

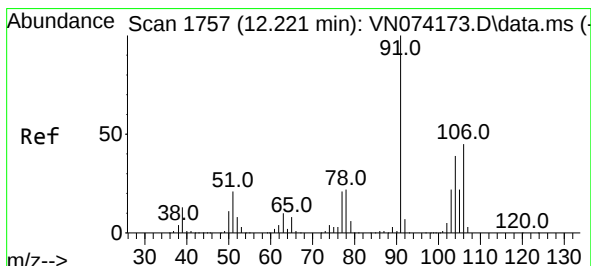
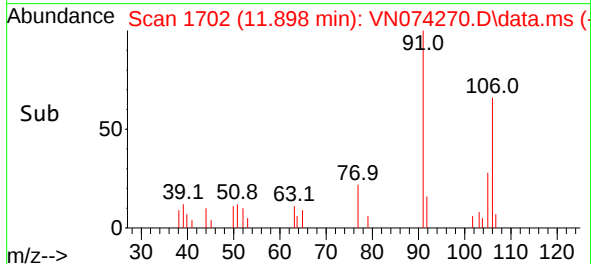
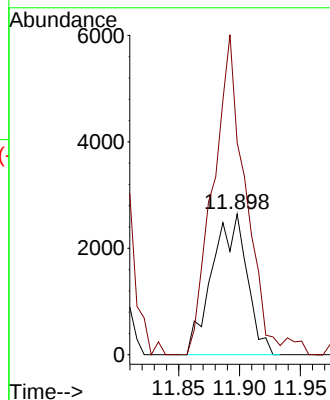
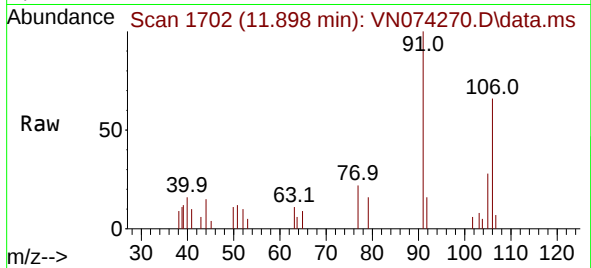




#68
m/p-Xylenes
Concen: 1.092 ug/l
RT: 11.898 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074270.D
Acq: 02 Sep 2022 03:19

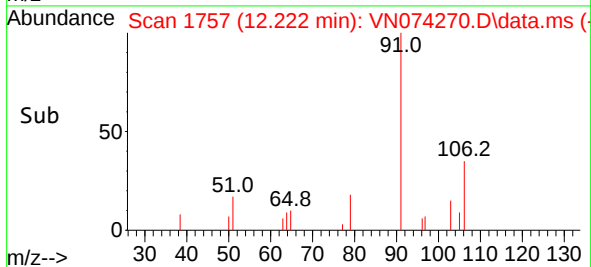
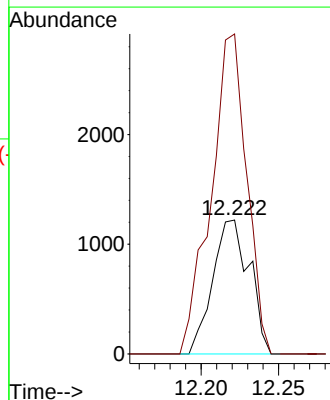
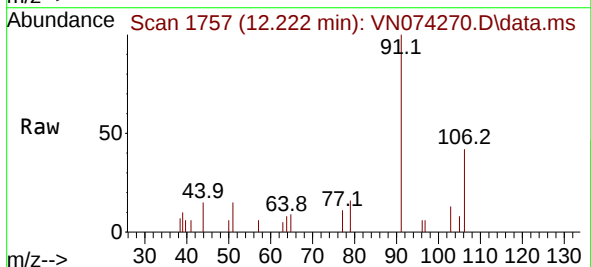
Instrument :
MSVOA_N
ClientSampleId :
MW-22

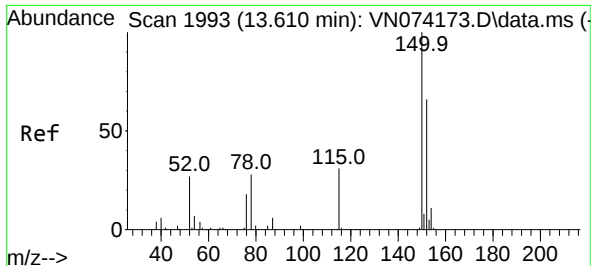
Tgt Ion:106 Resp: 5261
Ion Ratio Lower Upper
106 100
91 208.9 158.9 238.3



#69
o-Xylene
Concen: 0.419 ug/l
RT: 12.222 min Scan# 1757
Delta R.T. 0.000 min
Lab File: VN074270.D
Acq: 02 Sep 2022 03:19

Tgt Ion:106 Resp: 2010
Ion Ratio Lower Upper
106 100
91 232.3 106.0 318.0

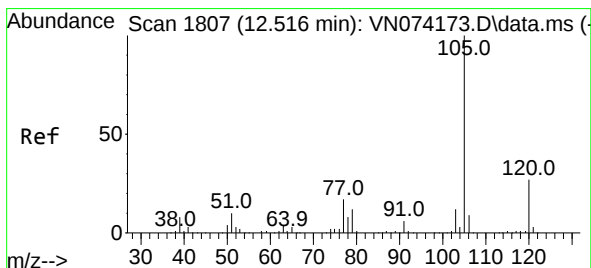
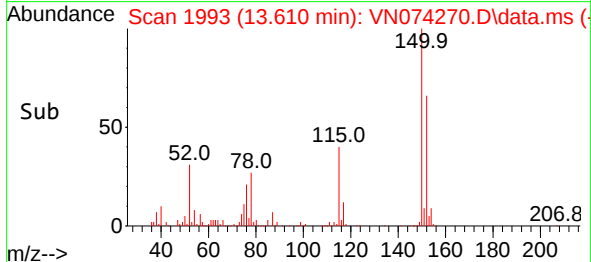
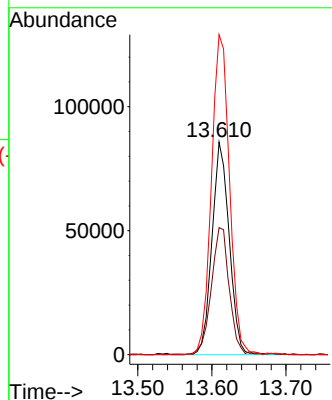
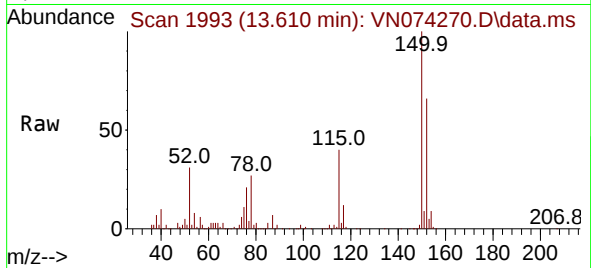




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN074270.D
Acq: 02 Sep 2022 03:19

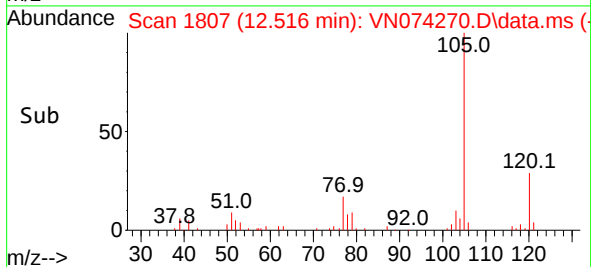
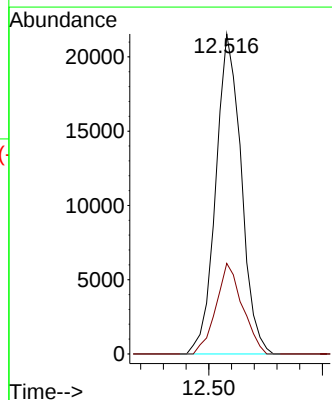
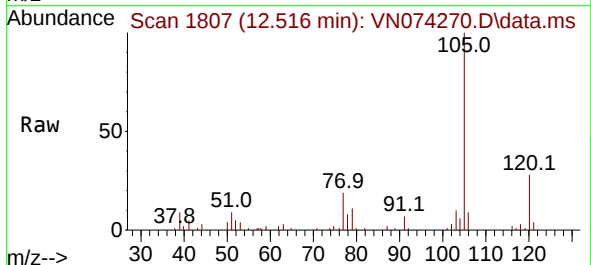
Instrument :
MSVOA_N
ClientSampleId :
MW-22

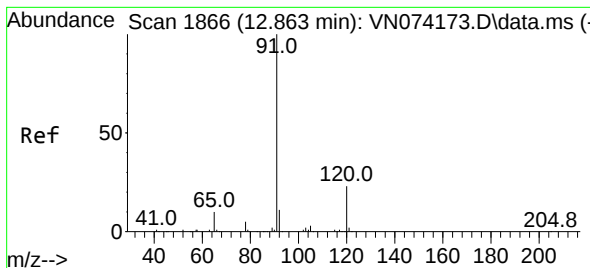
Tgt Ion:152 Resp: 138413
Ion Ratio Lower Upper
152 100
115 61.5 28.9 86.7
150 157.3 0.0 356.2



#73
Isopropylbenzene
Concen: 2.827 ug/l
RT: 12.516 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN074270.D
Acq: 02 Sep 2022 03:19

Tgt Ion:105 Resp: 33510
Ion Ratio Lower Upper
105 100
120 29.4 13.5 40.4





#78

n-propylbenzene

Concen: 2.893 ug/l

RT: 12.863 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN074270.D

Acq: 02 Sep 2022 03:19

Instrument :

MSVOA_N

ClientSampleId :

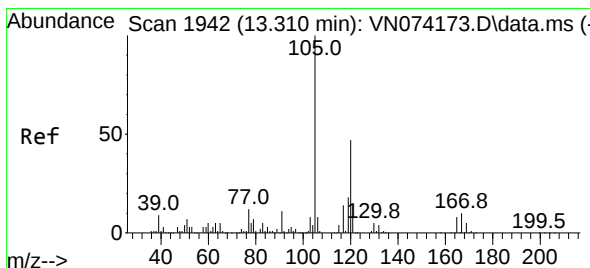
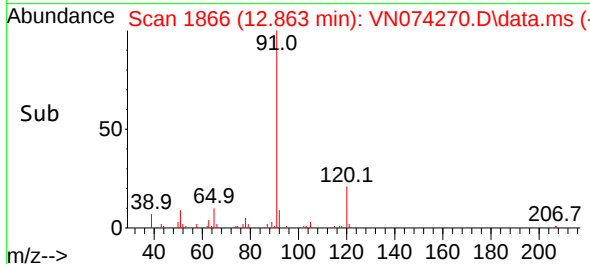
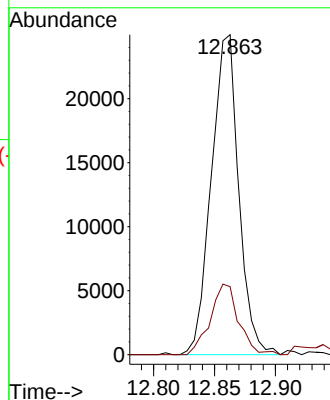
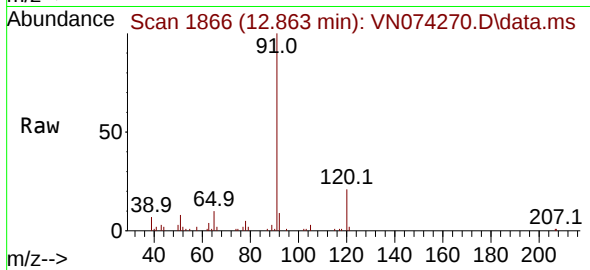
MW-22

Tgt Ion: 91 Resp: 39086

Ion Ratio Lower Upper

91 100

120 22.8 11.9 35.5



#84

1,2,4-Trimethylbenzene

Concen: 0.792 ug/l

RT: 13.304 min Scan# 1941

Delta R.T. -0.006 min

Lab File: VN074270.D

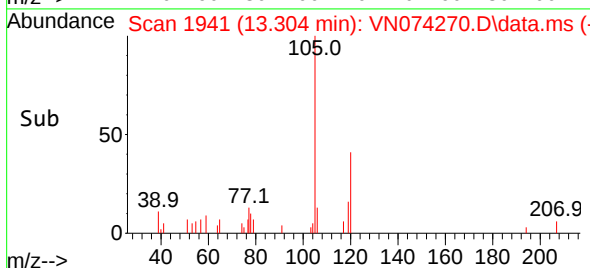
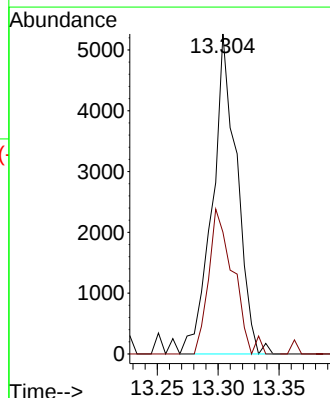
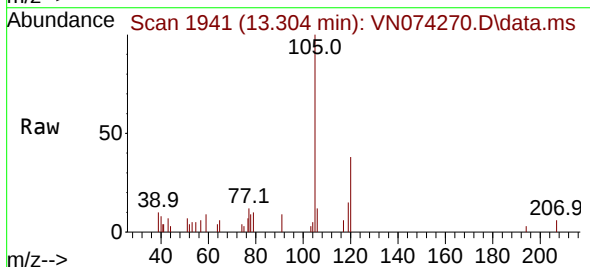
Acq: 02 Sep 2022 03:19

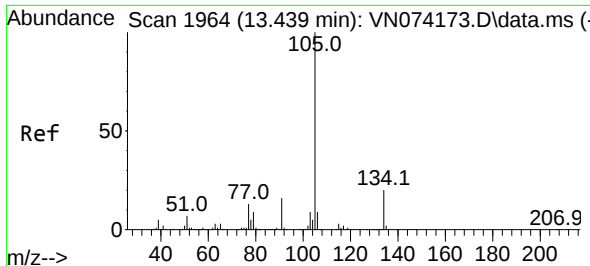
Tgt Ion: 105 Resp: 7370

Ion Ratio Lower Upper

105 100

120 45.4 23.3 69.8

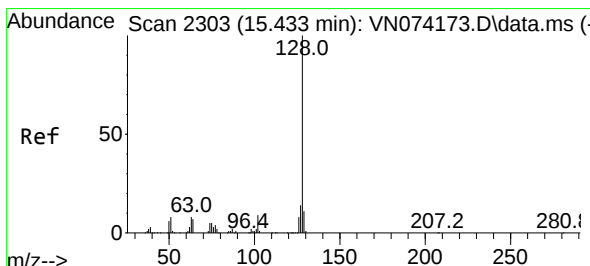
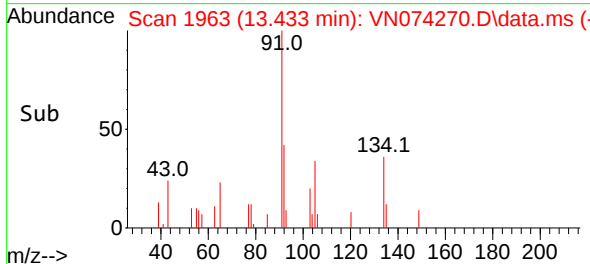
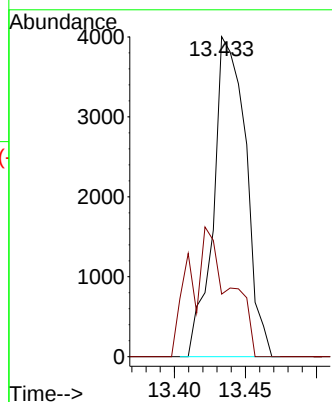
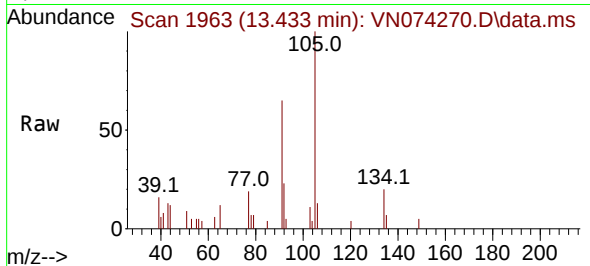




#85
 sec-Butylbenzene
 Concen: 0.548 ug/l
 RT: 13.433 min Scan# 1963
 Delta R.T. -0.006 min
 Lab File: VN074270.D
 Acq: 02 Sep 2022 03:19

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-22

Tgt Ion:105 Resp: 6338
 Ion Ratio Lower Upper
 105 100
 134 49.4 10.4 31.1#



#95
 Naphthalene
 Concen: 6.143 ug/l
 RT: 15.433 min Scan# 2303
 Delta R.T. 0.000 min
 Lab File: VN074270.D
 Acq: 02 Sep 2022 03:19

Tgt Ion:128 Resp: 53662
 Ion Ratio Lower Upper
 128 100
 127 13.4 10.3 15.5
 129 13.3 8.6 13.0#

