

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080222\
 Data File : VN073688.D
 Acq On : 02 Aug 2022 15:36
 Operator : JC\MD
 Sample : N3971-14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-22R

Quant Time: Aug 03 02:07:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 29 02:20:25 2022
 Response via : Initial Calibration

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

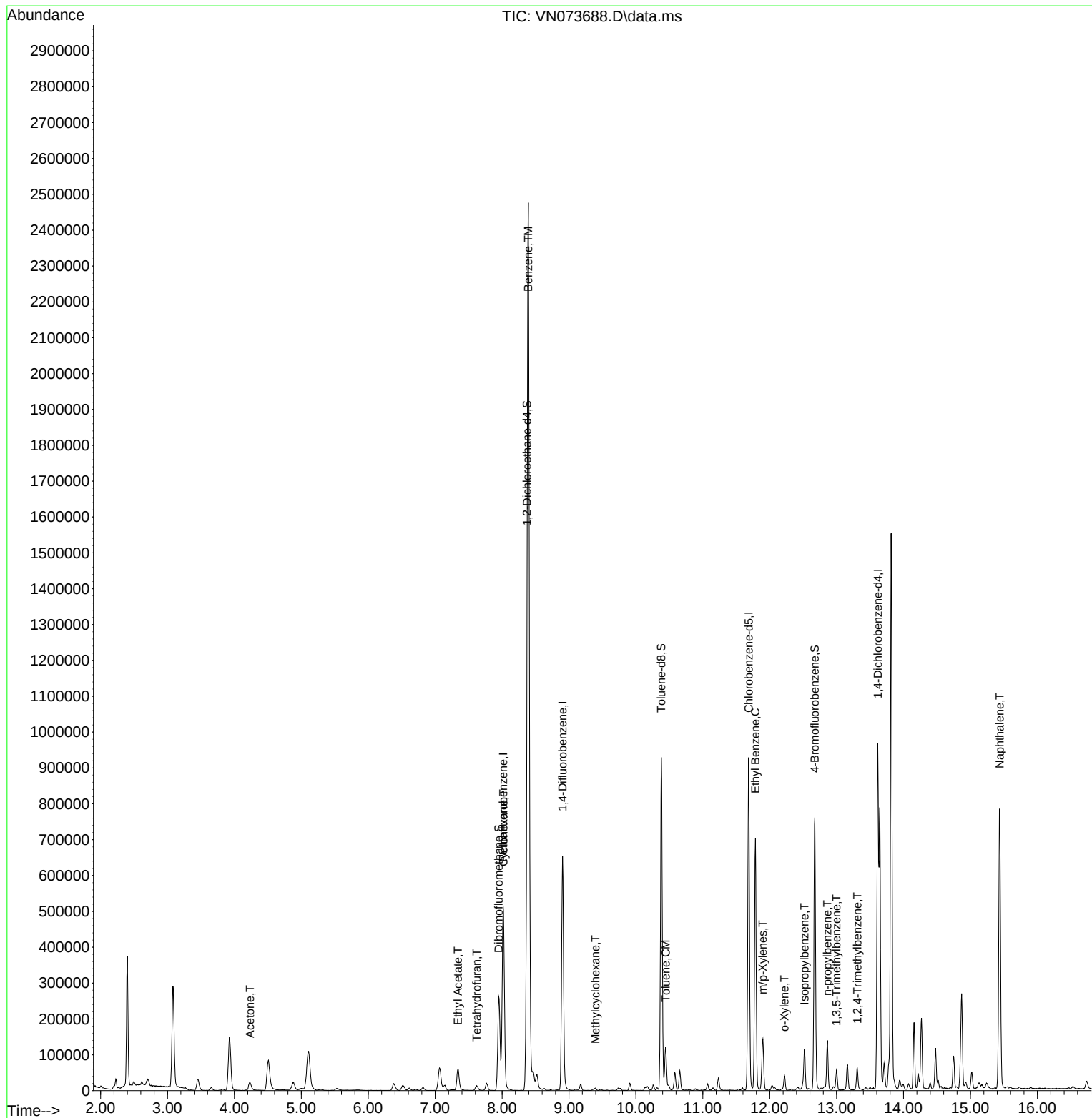
Internal Standards						
1) Pentafluorobenzene	8.016	168	367332	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	590893	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	547192	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	267812	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	212385	47.444	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.880%
35) Dibromofluoromethane	7.951	113	196561	52.975	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.960%
50) Toluene-d8	10.380	98	658824	45.122	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	90.240%
62) 4-Bromofluorobenzene	12.674	95	249113	50.891	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.780%
Target Compounds						
					Qvalue	
16) Acetone	4.234	43	43016	17.891	ug/l	98
29) Tetrahydrofuran	7.622	42	9321	3.948	ug/l	92
31) Cyclohexane	8.022	56	40681	6.104	ug/l #	77
37) Ethyl Acetate	7.340	43	98100	14.086	ug/l	99
39) Methylcyclohexane	9.398	83	3050	0.483	ug/l	93
40) Benzene	8.392	78	2538646	147.832	ug/l	99
52) Toluene	10.445	92	51383	4.899	ug/l	99
67) Ethyl Benzene	11.786	91	516910	26.362	ug/l	100
68) m/p-Xylenes	11.898	106	48570	6.495	ug/l	97
69) o-Xylene	12.222	106	10771	1.477	ug/l	98
73) Isopropylbenzene	12.522	105	70551	3.599	ug/l	99
78) n-propylbenzene	12.863	91	106042	4.807	ug/l	96
80) 1,3,5-Trimethylbenzene	12.998	105	26787	1.660	ug/l	96
84) 1,2,4-Trimethylbenzene	13.310	105	33465	2.110	ug/l	98
95) Naphthalene	15.439	128	726976	47.772	ug/l	99

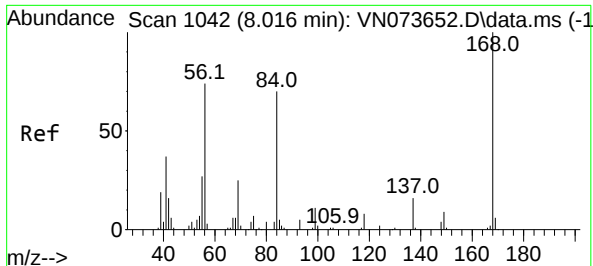
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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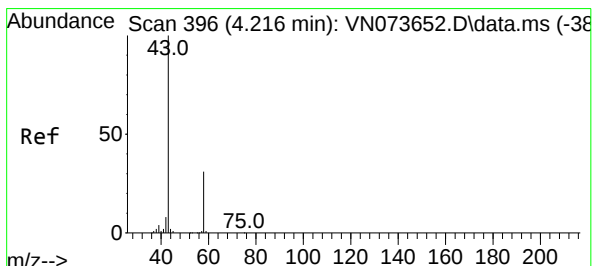
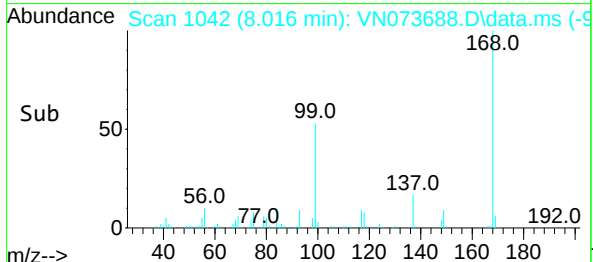
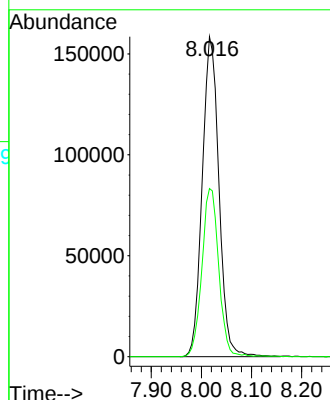
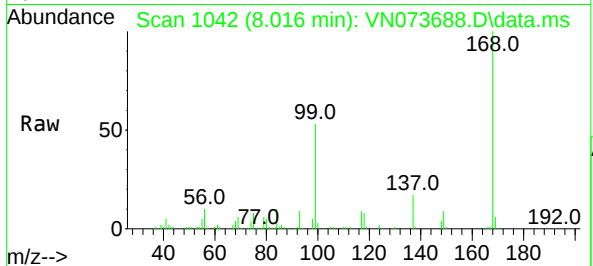




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073688.D
Acq: 02 Aug 2022 15:36

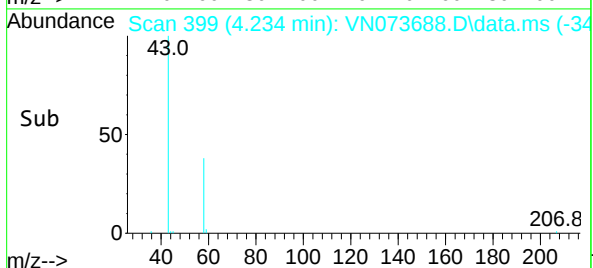
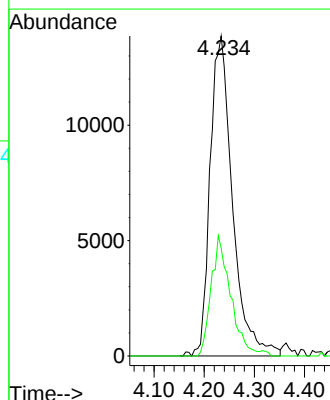
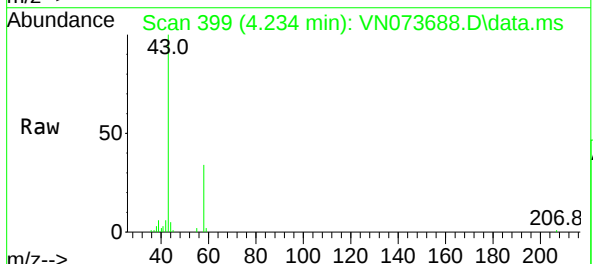
Instrument :
MSVOA_N
ClientSampleId :
MW-22R

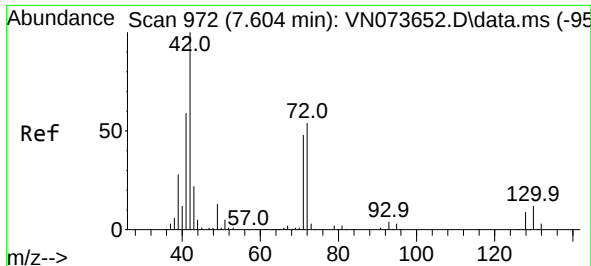
Tgt Ion:168 Resp: 367332
Ion Ratio Lower Upper
168 100
99 52.6 42.3 63.5



#16
Acetone
Concen: 17.891 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.012 min
Lab File: VN073688.D
Acq: 02 Aug 2022 15:36

Tgt Ion: 43 Resp: 43016
Ion Ratio Lower Upper
43 100
58 33.7 26.0 39.0





#29

Tetrahydrofuran

Concen: 3.948 ug/l

RT: 7.622 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN073688.D

Acq: 02 Aug 2022 15:36

Instrument :

MSVOA_N

ClientSampleId :

MW-22R

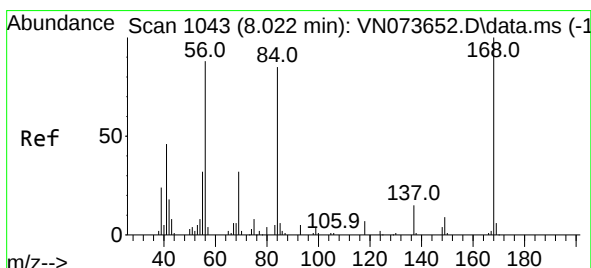
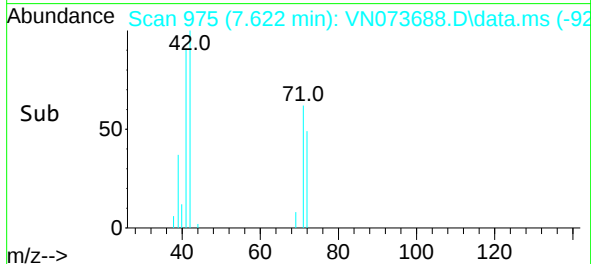
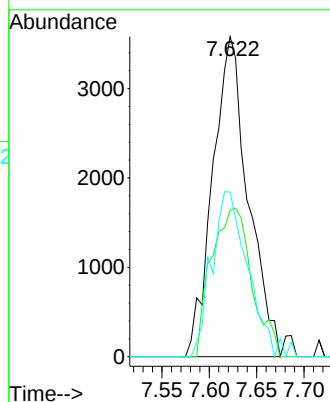
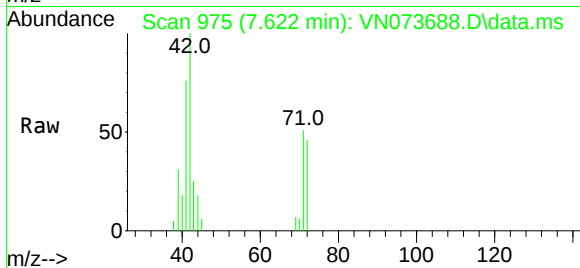
Tgt Ion: 42 Resp: 9321

Ion Ratio Lower Upper

42 100

72 52.8 39.7 59.5

71 53.0 36.6 55.0



#31

Cyclohexane

Concen: 6.104 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VN073688.D

Acq: 02 Aug 2022 15:36

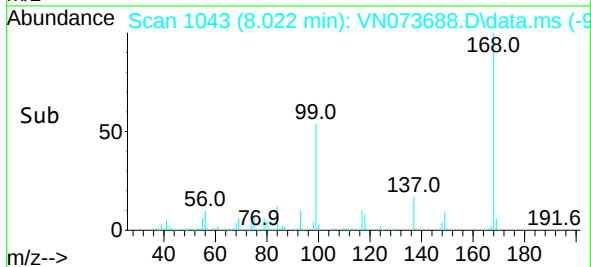
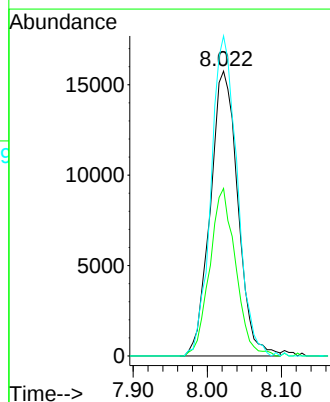
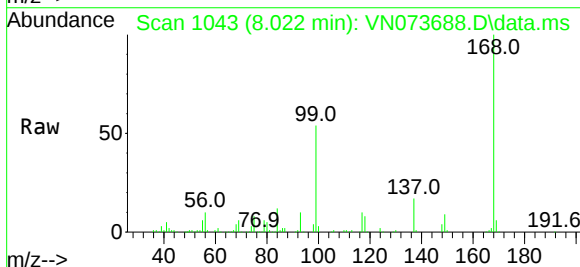
Tgt Ion: 56 Resp: 40681

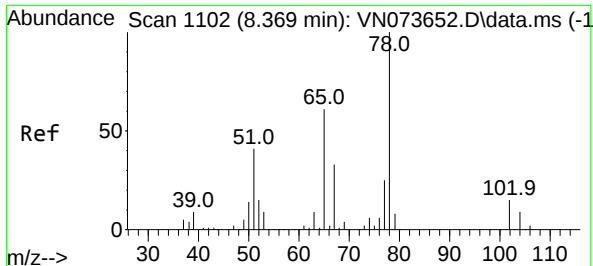
Ion Ratio Lower Upper

56 100

69 58.9 27.8 41.8#

84 112.4 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 47.444 ug/l

RT: 8.375 min Scan# 1102

Delta R.T. 0.006 min

Lab File: VN073688.D

Acq: 02 Aug 2022 15:36

Instrument :

MSVOA_N

ClientSampleId :

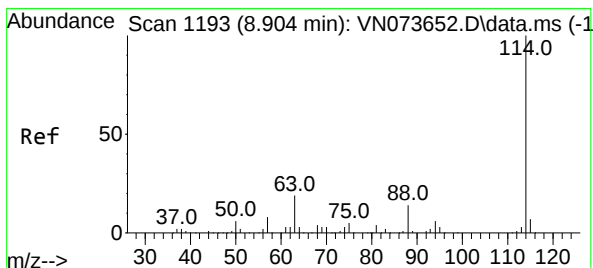
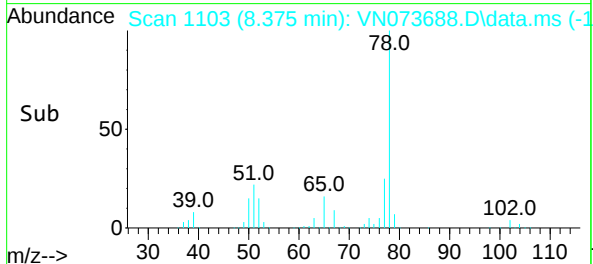
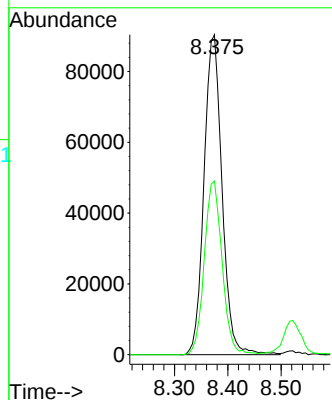
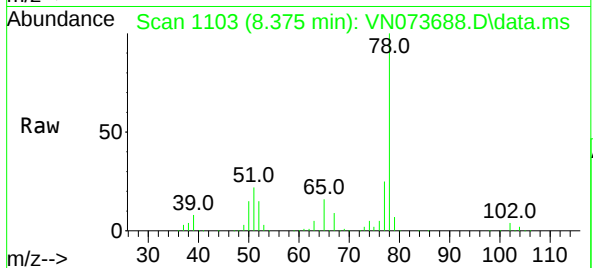
MW-22R

Tgt Ion: 65 Resp: 212385

Ion Ratio Lower Upper

65 100

67 53.8 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: VN073688.D

Acq: 02 Aug 2022 15:36

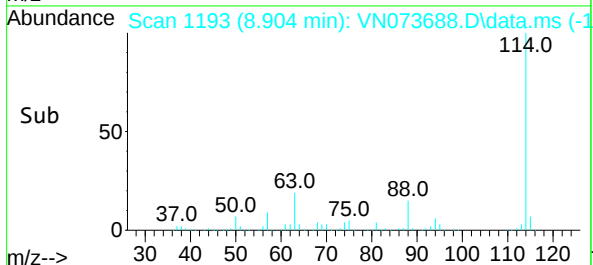
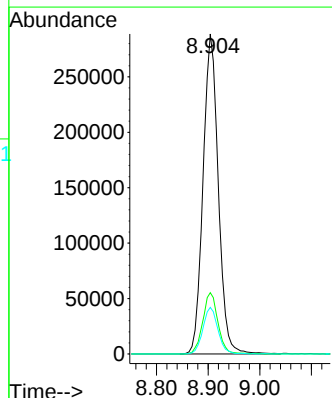
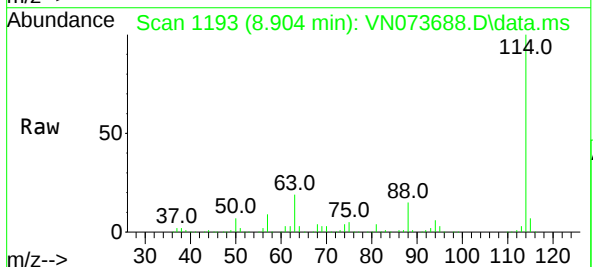
Tgt Ion: 114 Resp: 590893

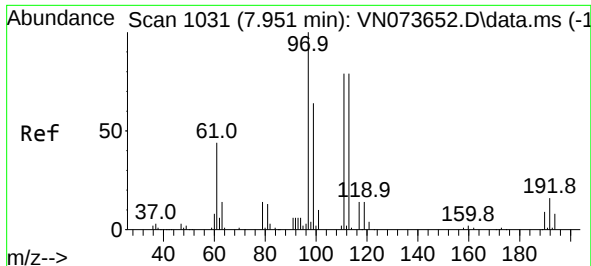
Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.0

88 14.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 52.975 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073688.D

Acq: 02 Aug 2022 15:36

Instrument :

MSVOA_N

ClientSampleId :

MW-22R

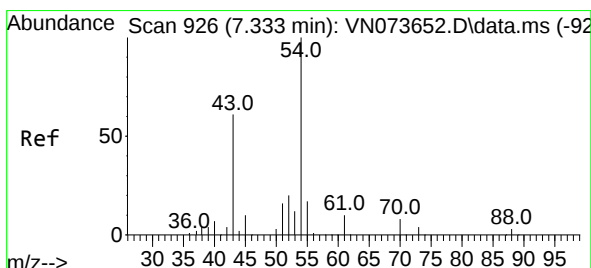
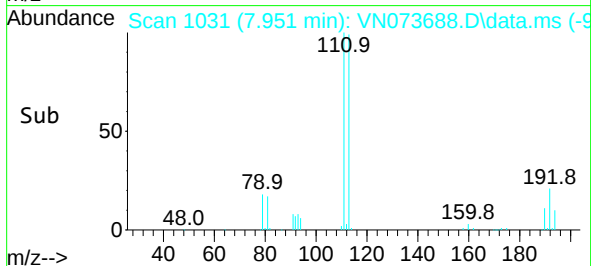
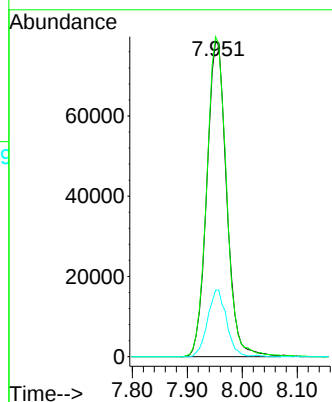
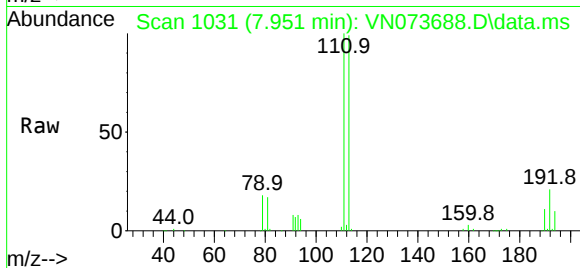
Tgt Ion:113 Resp: 196561

Ion Ratio Lower Upper

113 100

111 101.4 81.4 122.0

192 20.2 17.0 25.6



#37

Ethyl Acetate

Concen: 14.086 ug/l

RT: 7.340 min Scan# 927

Delta R.T. 0.000 min

Lab File: VN073688.D

Acq: 02 Aug 2022 15:36

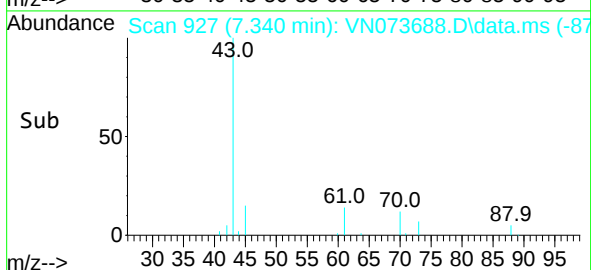
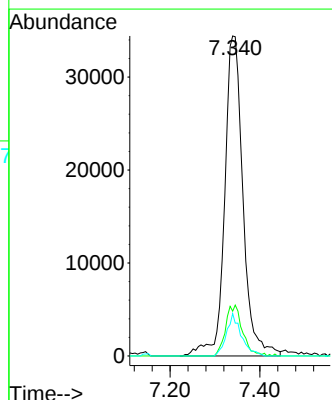
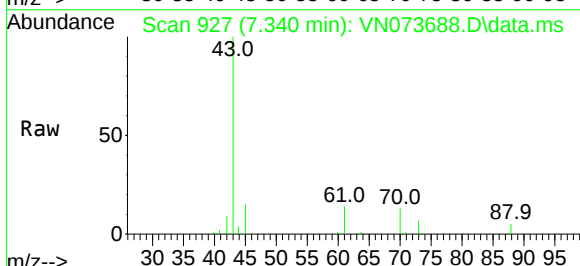
Tgt Ion: 43 Resp: 98100

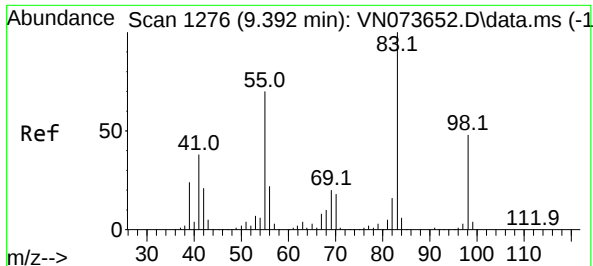
Ion Ratio Lower Upper

43 100

61 14.6 11.8 17.6

70 10.7 9.3 13.9





#39

Methylcyclohexane

Concen: 0.483 ug/l

RT: 9.398 min Scan# 1106

Delta R.T. 0.000 min

Lab File: VN073688.D

Acq: 02 Aug 2022 15:36

Instrument :

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ClientSampleId :

MW-22R

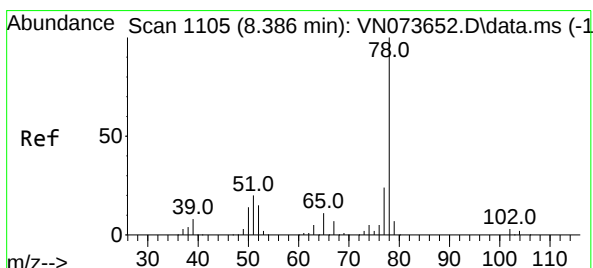
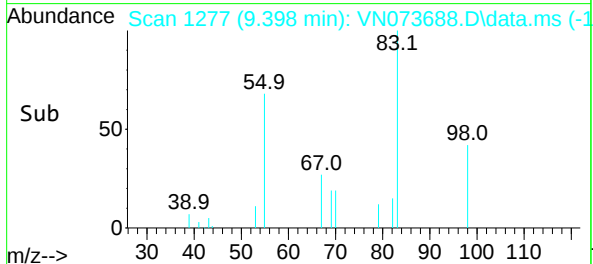
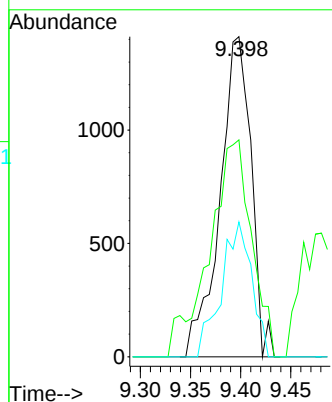
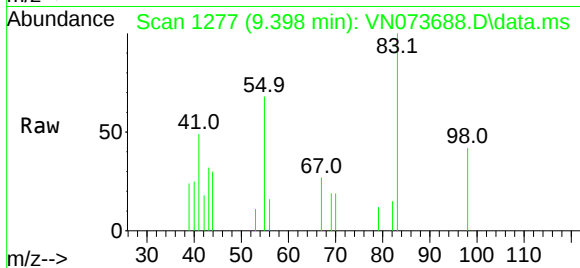
Tgt Ion: 83 Resp: 3050

Ion Ratio Lower Upper

83 100

55 67.8 57.8 86.8

98 42.1 39.4 59.2



#40

Benzene

Concen: 147.832 ug/l

RT: 8.392 min Scan# 1106

Delta R.T. 0.000 min

Lab File: VN073688.D

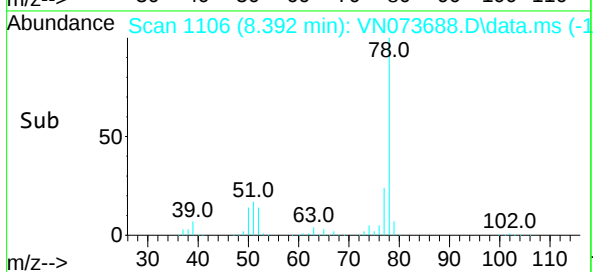
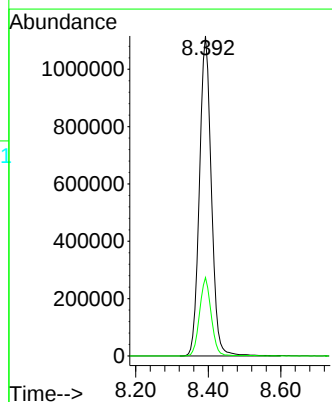
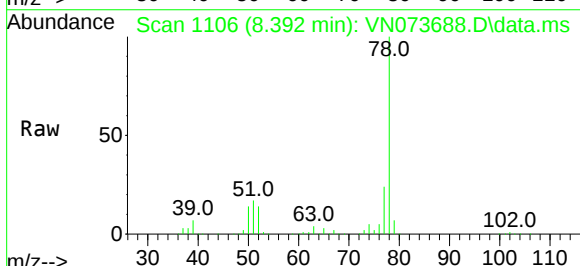
Acq: 02 Aug 2022 15:36

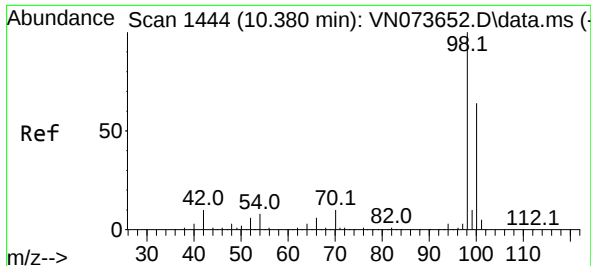
Tgt Ion: 78 Resp: 2538646

Ion Ratio Lower Upper

78 100

77 24.5 19.4 29.0





#50

Toluene-d8

Concen: 45.122 ug/l

RT: 10.380 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VN073688.D

Acq: 02 Aug 2022 15:36

Instrument :

MSVOA_N

ClientSampleId :

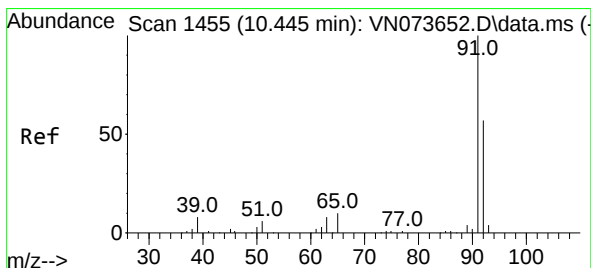
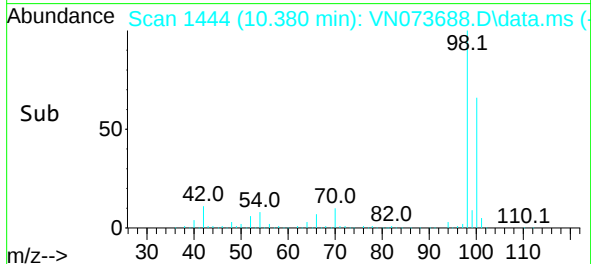
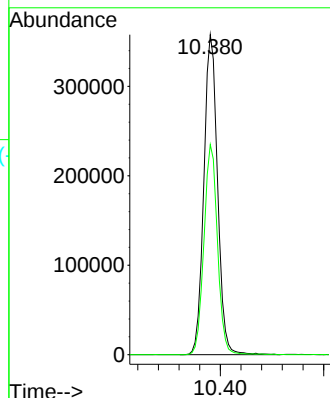
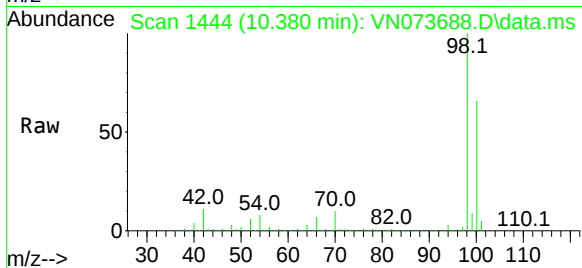
MW-22R

Tgt Ion: 98 Resp: 658824

Ion Ratio Lower Upper

98 100

100 65.0 52.6 78.8



#52

Toluene

Concen: 4.899 ug/l

RT: 10.445 min Scan# 1455

Delta R.T. 0.000 min

Lab File: VN073688.D

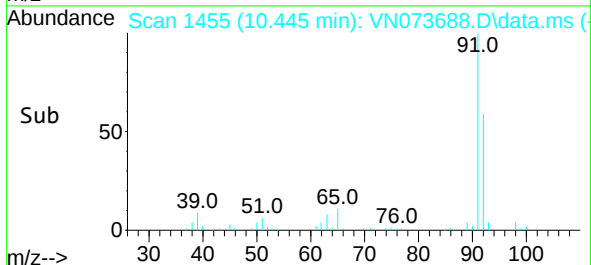
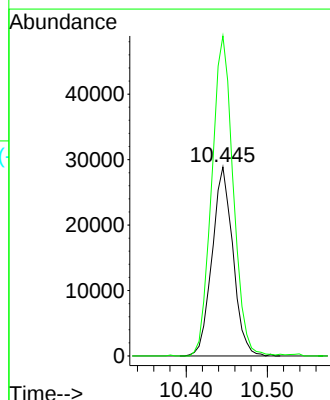
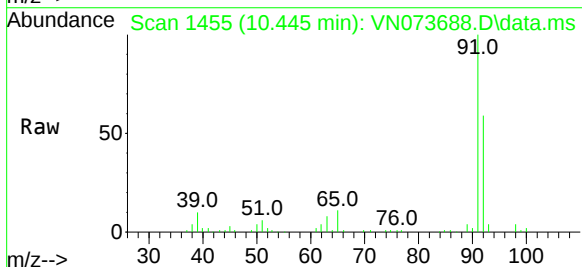
Acq: 02 Aug 2022 15:36

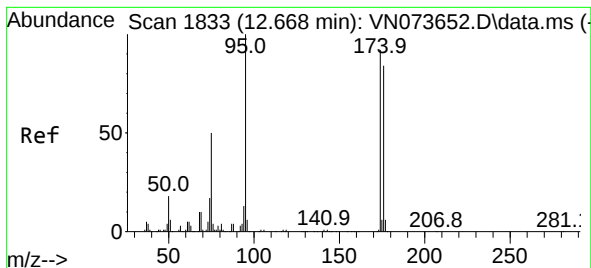
Tgt Ion: 92 Resp: 51383

Ion Ratio Lower Upper

92 100

91 174.4 138.6 207.8

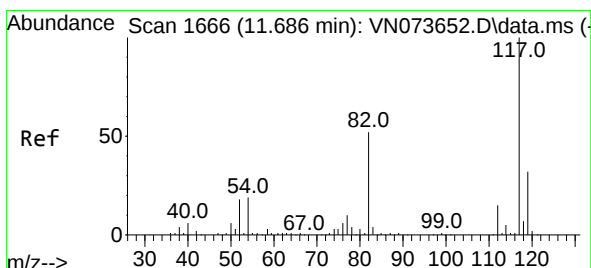
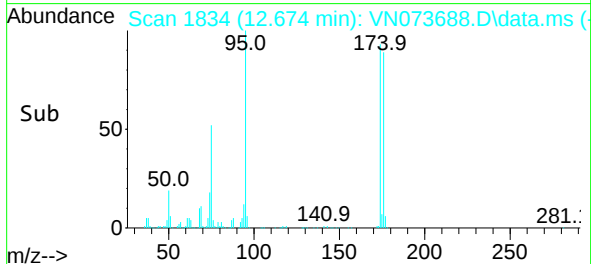
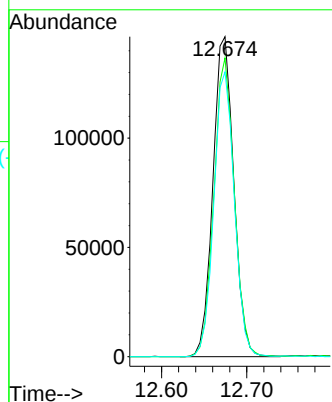
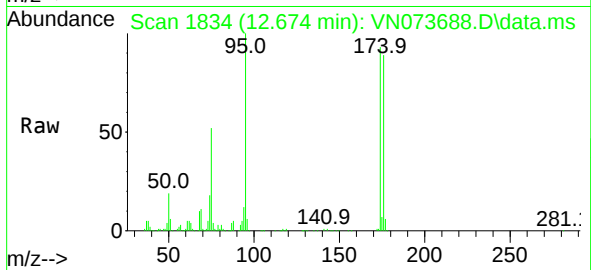




#62
4-Bromofluorobenzene
Concen: 50.891 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073688.D
Acq: 02 Aug 2022 15:36

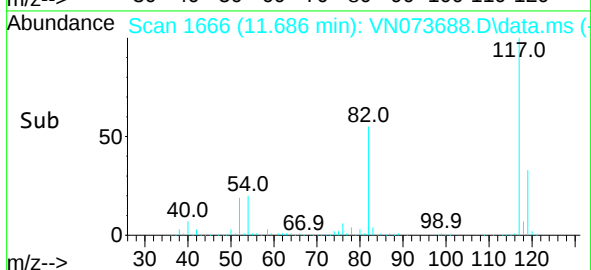
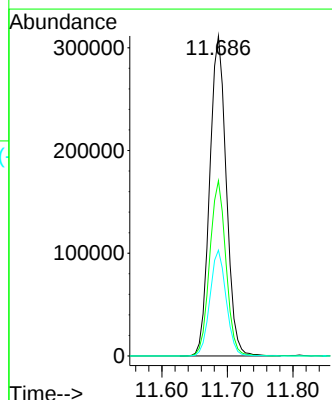
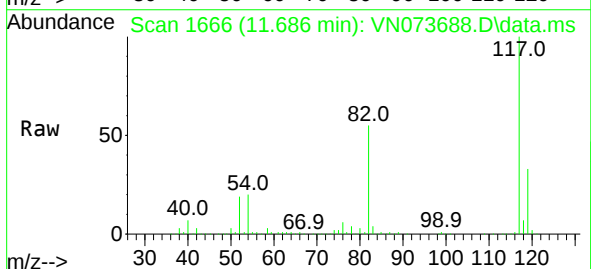
Instrument :
MSVOA_N
ClientSampleId :
MW-22R

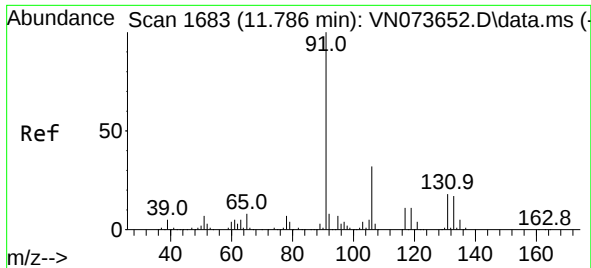
Tgt Ion: 95 Resp: 249113
Ion Ratio Lower Upper
95 100
174 91.4 0.0 167.6
176 87.5 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073688.D
Acq: 02 Aug 2022 15:36

Tgt Ion: 117 Resp: 547192
Ion Ratio Lower Upper
117 100
82 54.7 44.2 66.2
119 33.0 25.4 38.0

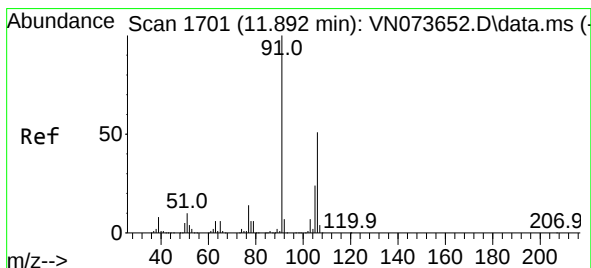
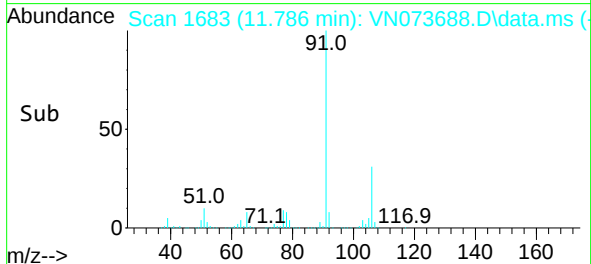
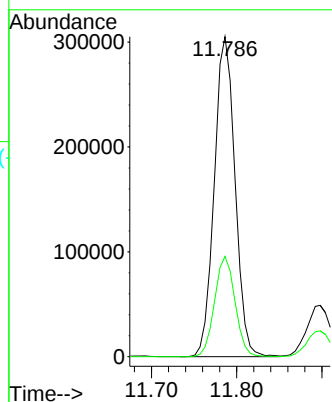
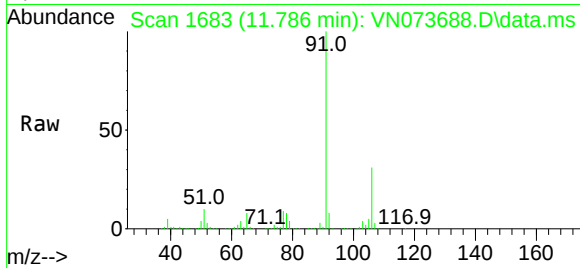




#67
Ethyl Benzene
Concen: 26.362 ug/l
RT: 11.786 min Scan# 1169
Delta R.T. 0.000 min
Lab File: VN073688.D
Acq: 02 Aug 2022 15:36

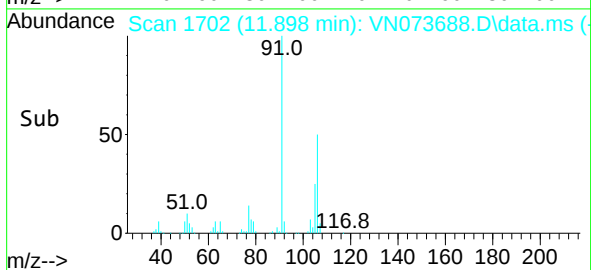
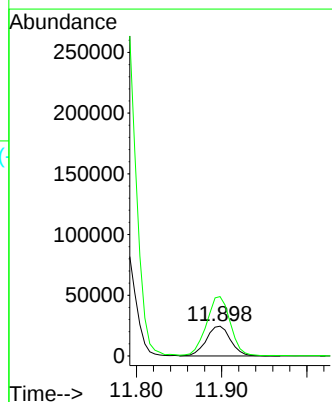
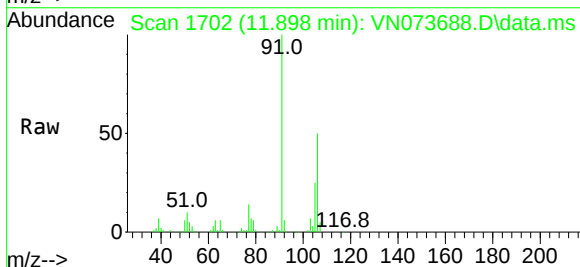
Instrument :
MSVOA_N
ClientSampleId :
MW-22R

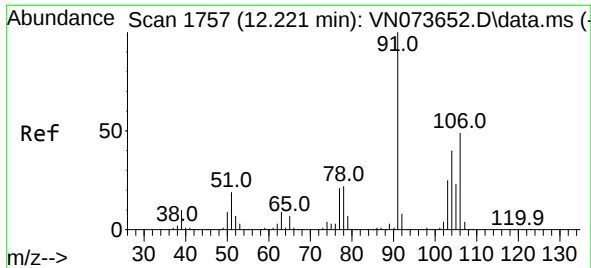
Tgt Ion: 91 Resp: 516910
Ion Ratio Lower Upper
91 100
106 31.4 24.9 37.3



#68
m/p-Xylenes
Concen: 6.495 ug/l
RT: 11.898 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN073688.D
Acq: 02 Aug 2022 15:36

Tgt Ion: 106 Resp: 48570
Ion Ratio Lower Upper
106 100
91 193.8 158.9 238.3

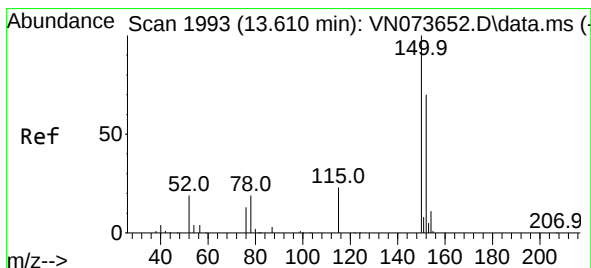
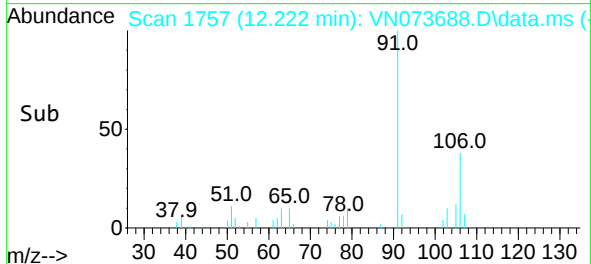
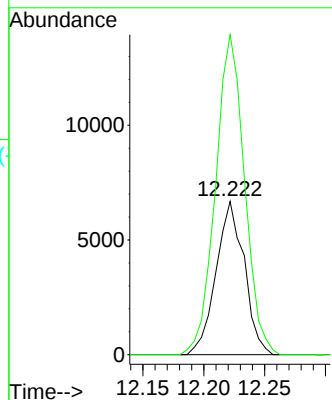
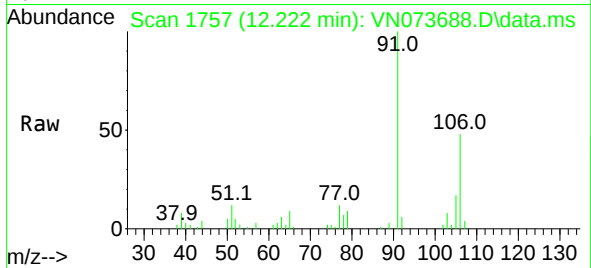




#69
o-Xylene
Concen: 1.477 ug/l
RT: 12.222 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073688.D
Acq: 02 Aug 2022 15:36

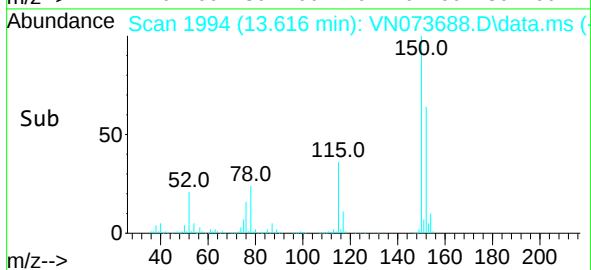
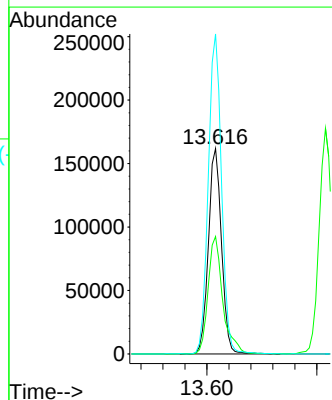
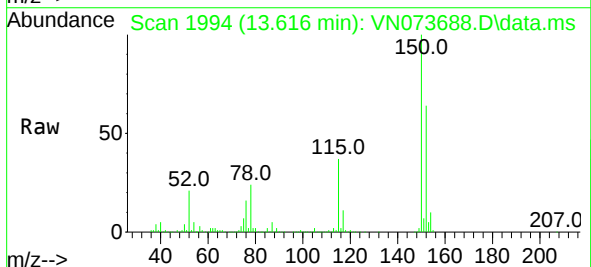
Instrument :
MSVOA_N
ClientSampleId :
MW-22R

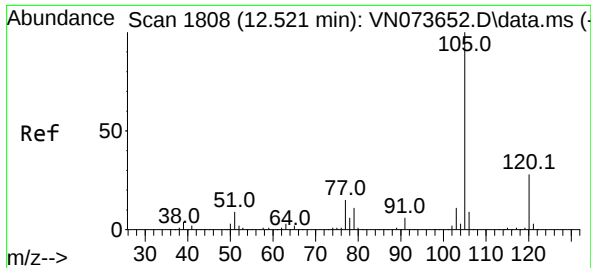
Tgt Ion:106 Resp: 10771
Ion Ratio Lower Upper
106 100
91 215.0 106.0 318.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073688.D
Acq: 02 Aug 2022 15:36

Tgt Ion:152 Resp: 267812
Ion Ratio Lower Upper
152 100
115 64.4 28.9 86.7
150 157.4 0.0 356.2

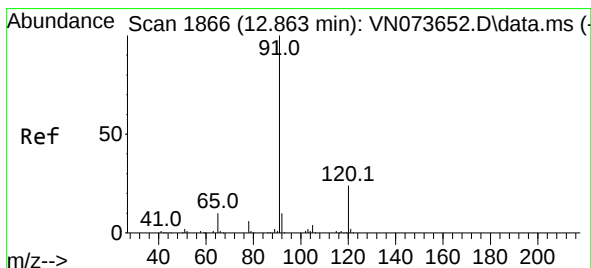
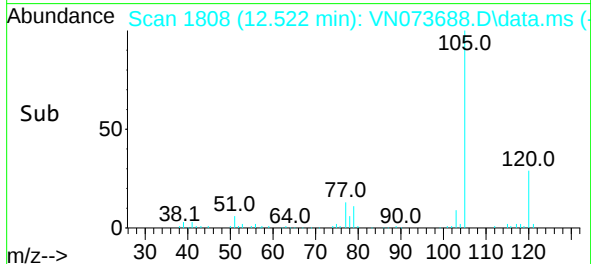
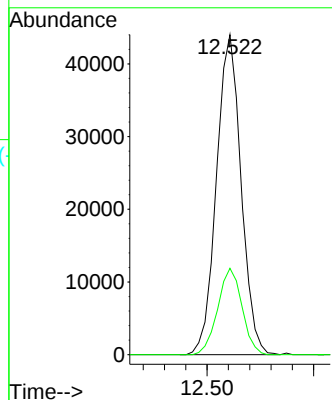
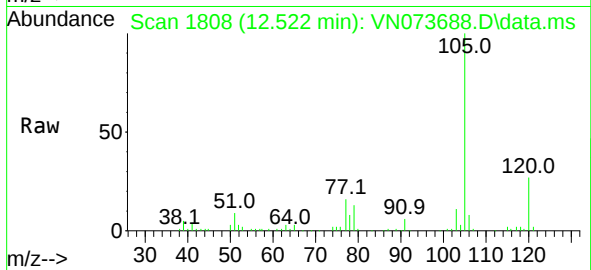




#73
Isopropylbenzene
Concen: 3.599 ug/l
RT: 12.522 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VN073688.D
Acq: 02 Aug 2022 15:36

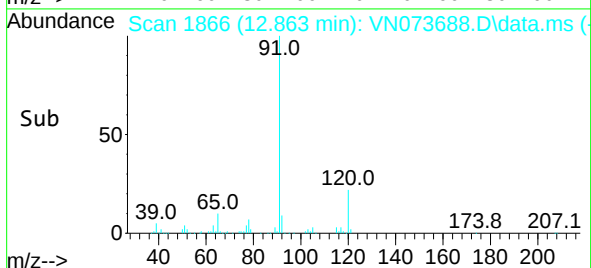
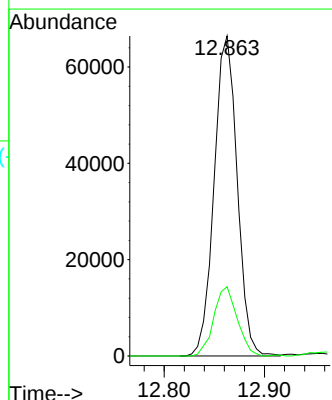
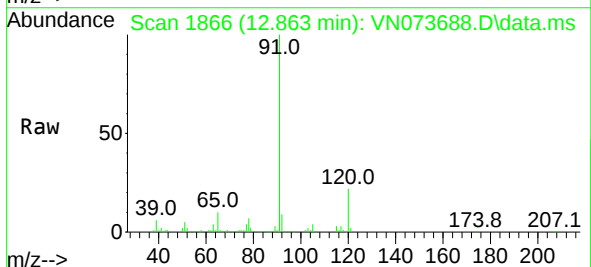
Instrument :
MSVOA_N
ClientSampleId :
MW-22R

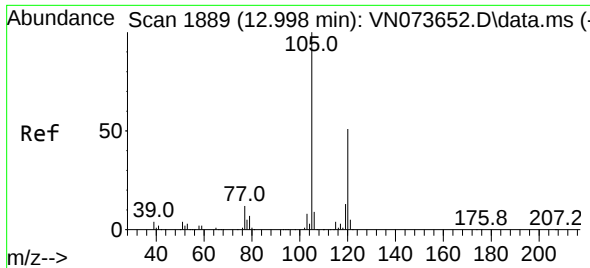
Tgt Ion:105 Resp: 70551
Ion Ratio Lower Upper
105 100
120 26.6 13.5 40.4



#78
n-propylbenzene
Concen: 4.807 ug/l
RT: 12.863 min Scan# 1866
Delta R.T. 0.000 min
Lab File: VN073688.D
Acq: 02 Aug 2022 15:36

Tgt Ion: 91 Resp: 106042
Ion Ratio Lower Upper
91 100
120 21.9 11.9 35.5

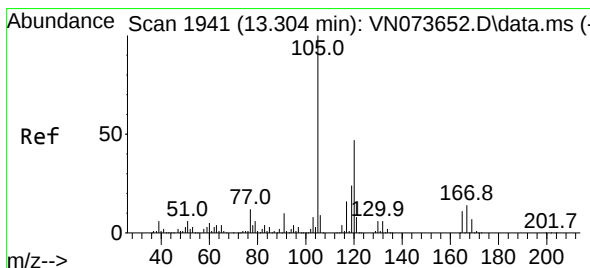
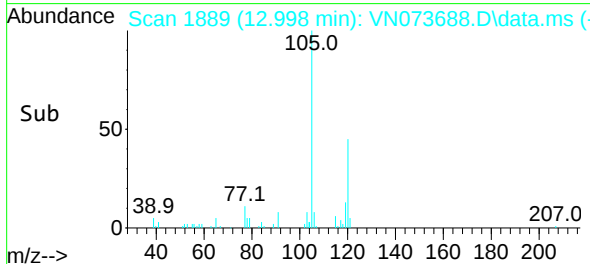
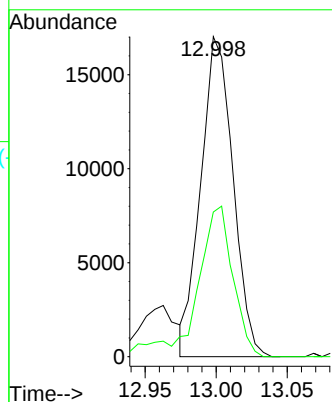
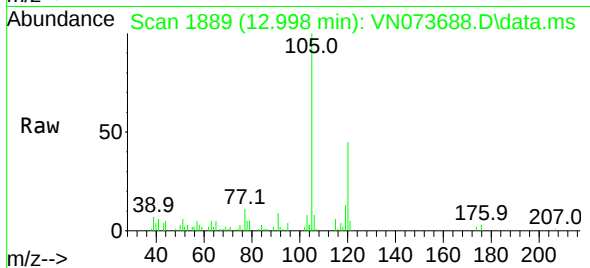




#80
 1,3,5-Trimethylbenzene
 Concen: 1.660 ug/l
 RT: 12.998 min Scan# 1889
 Delta R.T. 0.000 min
 Lab File: VN073688.D
 Acq: 02 Aug 2022 15:36

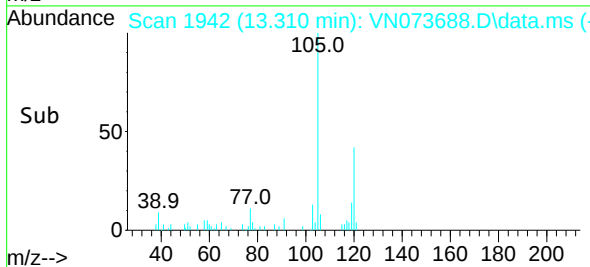
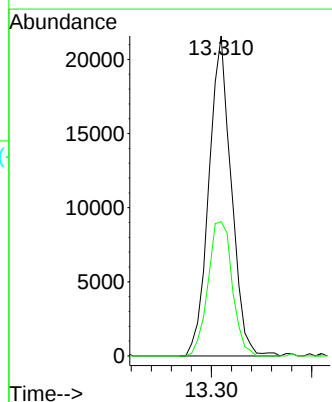
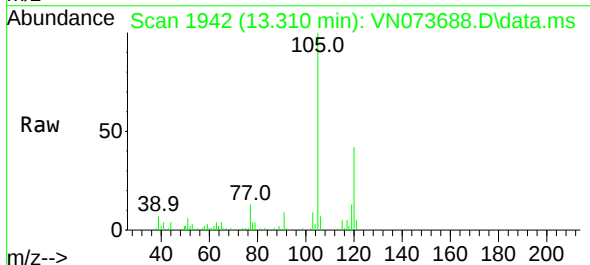
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-22R

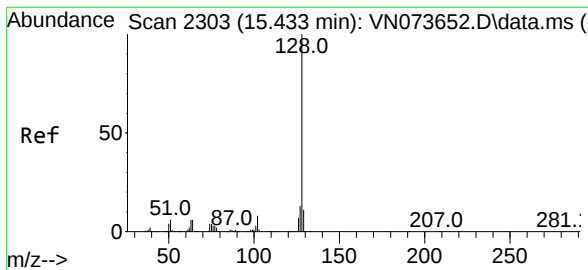
Tgt Ion:105 Resp: 26787
 Ion Ratio Lower Upper
 105 100
 120 52.8 24.9 74.7



#84
 1,2,4-Trimethylbenzene
 Concen: 2.110 ug/l
 RT: 13.310 min Scan# 1942
 Delta R.T. 0.000 min
 Lab File: VN073688.D
 Acq: 02 Aug 2022 15:36

Tgt Ion:105 Resp: 33465
 Ion Ratio Lower Upper
 105 100
 120 45.4 23.3 69.8





#95
Naphthalene
Concen: 47.772 ug/l
RT: 15.439 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN073688.D
Acq: 02 Aug 2022 15:36

Instrument :
MSVOA_N
ClientSampleId :
MW-22R

Tgt Ion:128 Resp: 726976
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 11.1 8.6 13.0

