

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072022\
 Data File : VN073536.D
 Acq On : 20 Jul 2022 20:59
 Operator : JC\MD
 Sample : N3779-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 070622-B

Quant Time: Jul 21 08:27:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

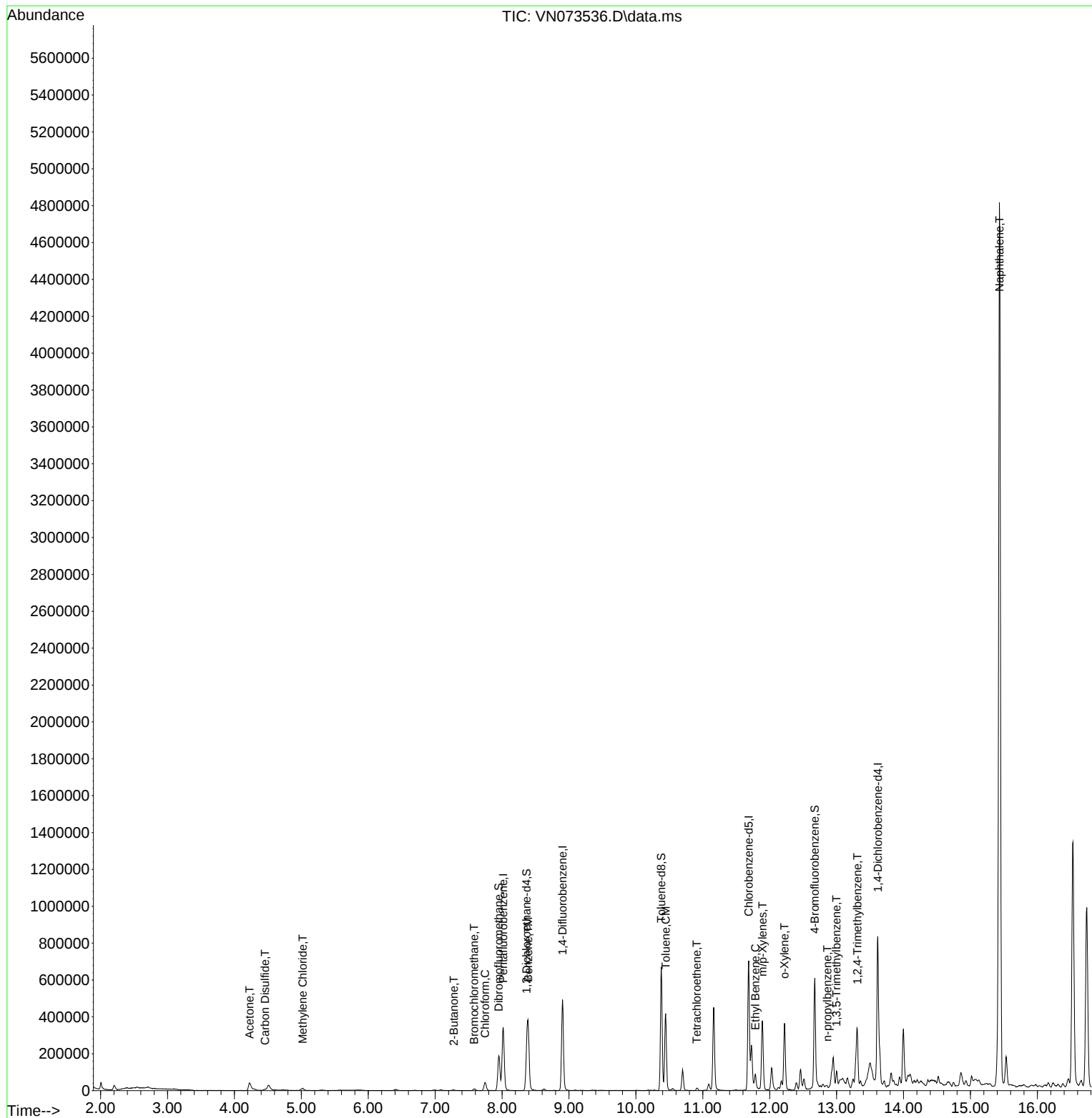
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.016	168	261020	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	420118	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	390858	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	206061	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	160785	42.670	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	85.340%
35) Dibromofluoromethane	7.951	113	138493	49.548	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.100%
50) Toluene-d8	10.380	98	450011	45.331	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	90.660%
62) 4-Bromofluorobenzene	12.674	95	193445	50.706	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.420%
Target Compounds						
					Qvalue	
16) Acetone	4.228	43	77341	36.566	ug/l	97
17) Carbon Disulfide	4.457	76	14863	1.865	ug/l #	89
20) Methylene Chloride	5.022	84	8159	2.195	ug/l #	73
25) 2-Butanone	7.281	43	6499	1.930	ug/l #	79
28) Bromochloromethane	7.581	49	5349	2.043	ug/l #	84
30) Chloroform	7.745	83	42626	6.771	ug/l	97
40) Benzene	8.392	78	287050	21.627	ug/l	97
52) Toluene	10.445	92	180079	21.954	ug/l	99
64) Tetrachloroethene	10.910	164	3124	0.979	ug/l	92
67) Ethyl Benzene	11.786	91	47988	2.990	ug/l	98
68) m/p-Xylenes	11.892	106	118003	19.483	ug/l	98
69) o-Xylene	12.221	106	90492	14.636	ug/l	99
78) n-propylbenzene	12.863	91	12270	0.621	ug/l	98
80) 1,3,5-Trimethylbenzene	12.998	105	48146	3.320	ug/l	96
84) 1,2,4-Trimethylbenzene	13.310	105	152865	10.557	ug/l	99
95) Naphthalene	15.433	128	4296615	270.544	ug/l	99

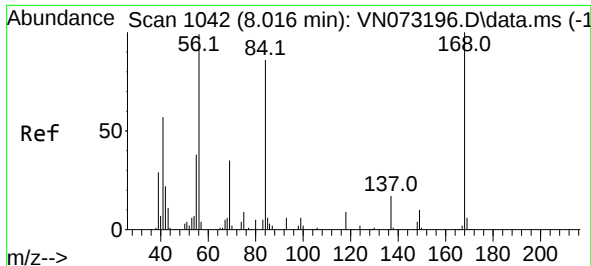
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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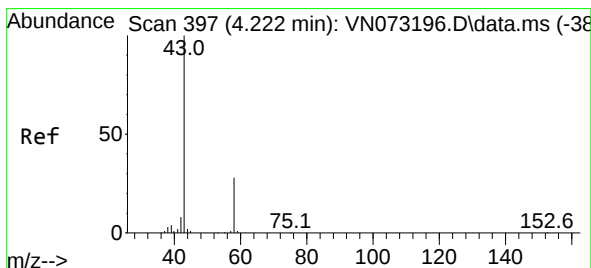
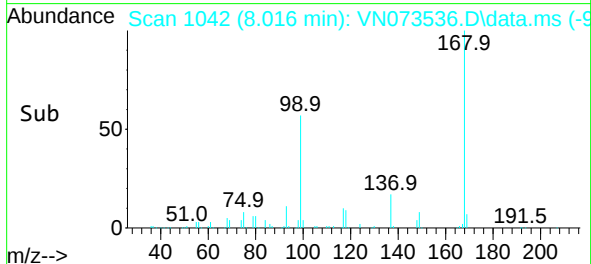
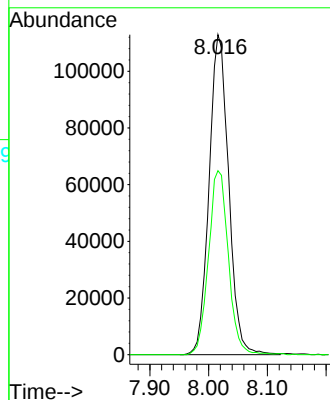
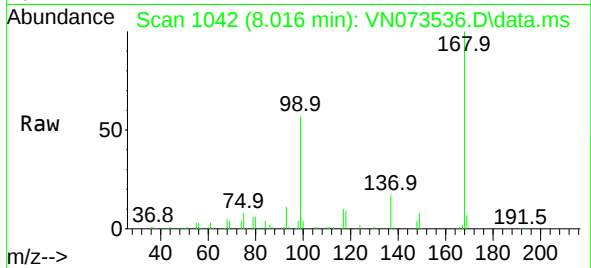




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073536.D
Acq: 20 Jul 2022 20:59

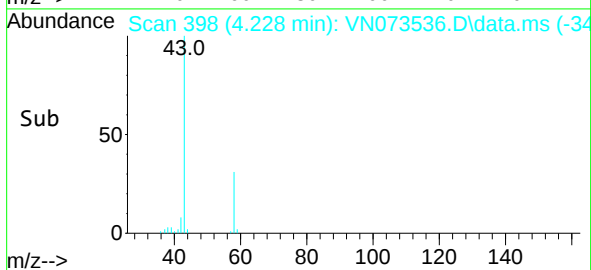
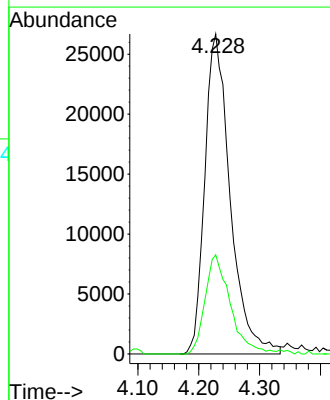
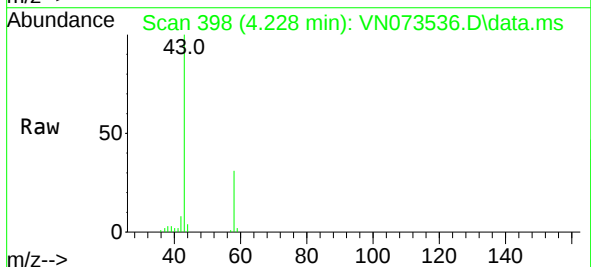
Instrument :
MSVOA_N
ClientSampleId :
070622-B

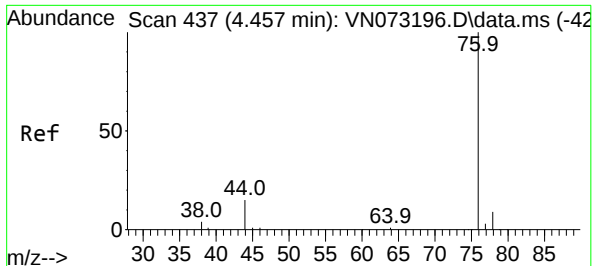
Tgt Ion:168 Resp: 261020
Ion Ratio Lower Upper
168 100
99 57.5 42.3 63.5



#16
Acetone
Concen: 36.566 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.006 min
Lab File: VN073536.D
Acq: 20 Jul 2022 20:59

Tgt Ion: 43 Resp: 77341
Ion Ratio Lower Upper
43 100
58 31.0 26.0 39.0





#17

Carbon Disulfide

Concen: 1.865 ug/l

RT: 4.457 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN073536.D

Acq: 20 Jul 2022 20:59

Instrument :

MSVOA_N

ClientSampleId :

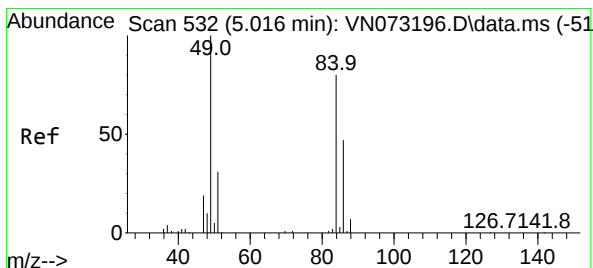
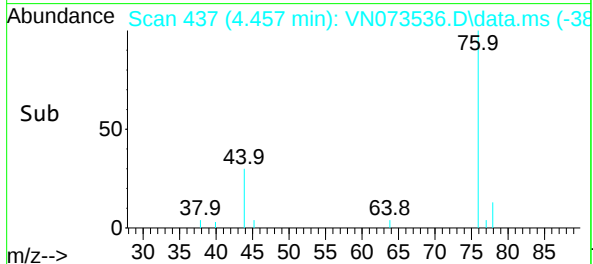
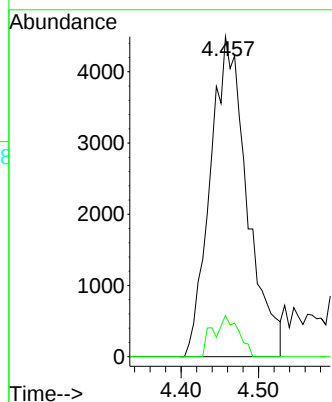
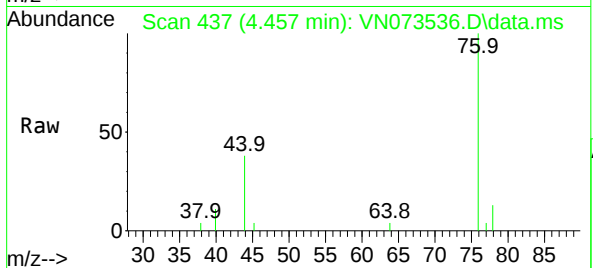
070622-B

Tgt Ion: 76 Resp: 14863

Ion Ratio Lower Upper

76 100

78 12.9 7.2 10.8#



#20

Methylene Chloride

Concen: 2.195 ug/l

RT: 5.022 min Scan# 533

Delta R.T. 0.006 min

Lab File: VN073536.D

Acq: 20 Jul 2022 20:59

Tgt Ion: 84 Resp: 8159

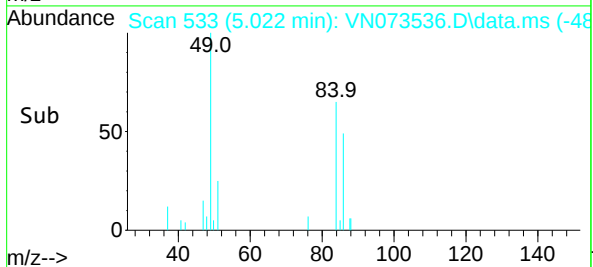
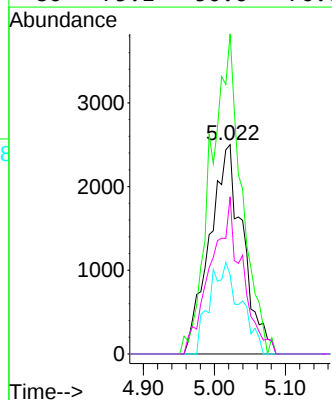
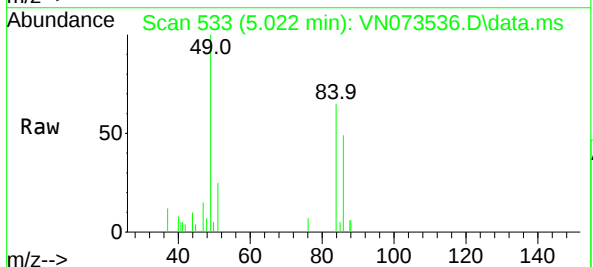
Ion Ratio Lower Upper

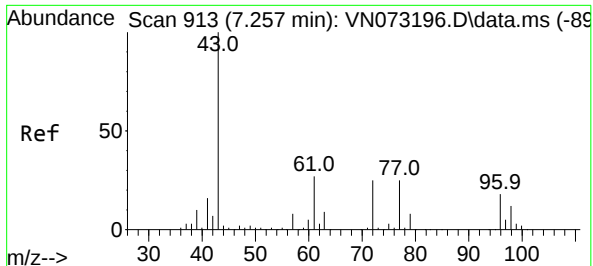
84 100

49 152.9 88.3 132.5#

51 37.7 28.2 42.2

86 75.1 50.6 76.0





#25

2-Butanone

Concen: 1.930 ug/l

RT: 7.281 min Scan# 913

Delta R.T. 0.024 min

Lab File: VN073536.D

Acq: 20 Jul 2022 20:59

Instrument :

MSVOA_N

ClientSampleId :

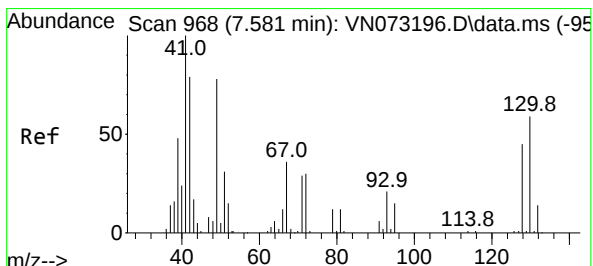
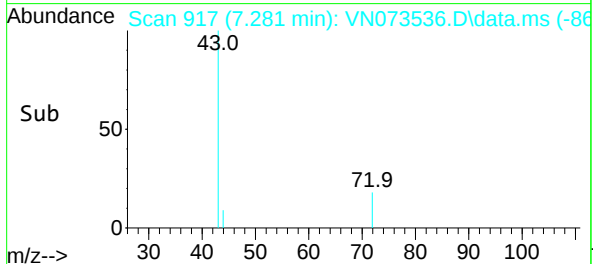
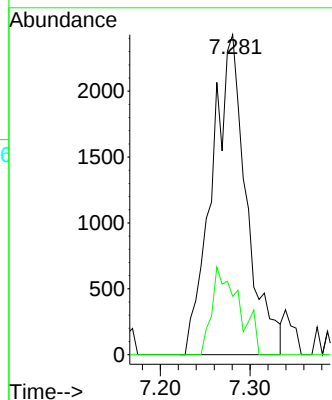
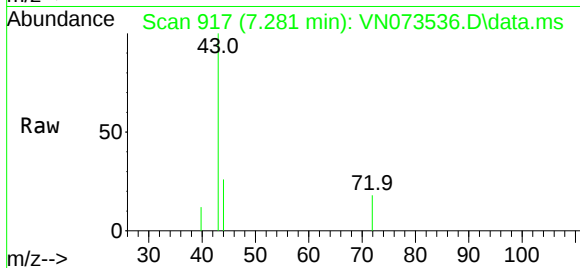
070622-B

Tgt Ion: 43 Resp: 6499

Ion Ratio Lower Upper

43 100

72 18.2 23.7 35.5#



#28

Bromochloromethane

Concen: 2.043 ug/l

RT: 7.581 min Scan# 968

Delta R.T. -0.000 min

Lab File: VN073536.D

Acq: 20 Jul 2022 20:59

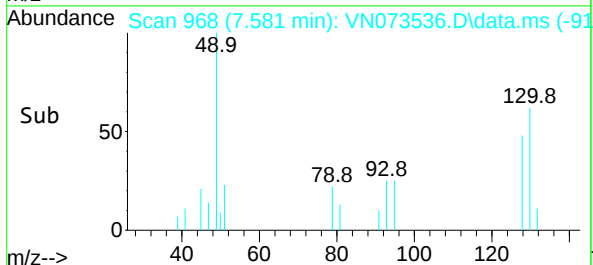
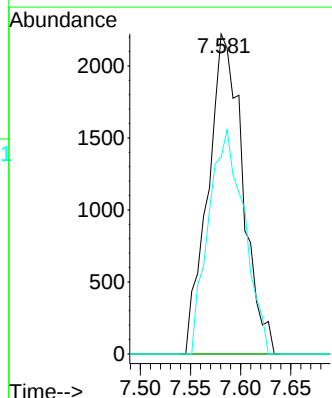
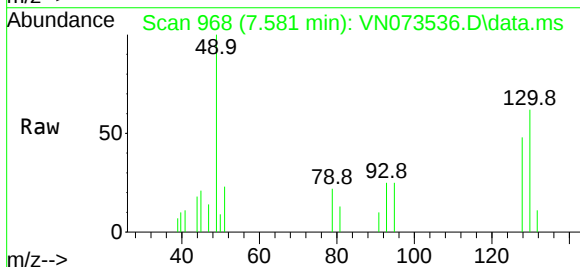
Tgt Ion: 49 Resp: 5349

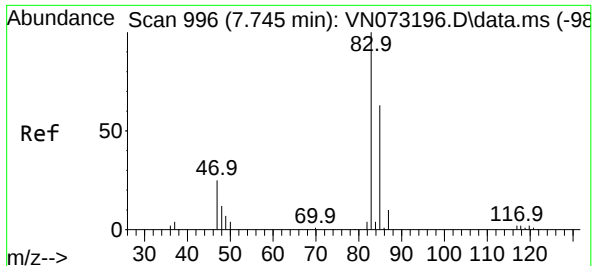
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.6

130 72.0 69.7 104.5





#30

Chloroform

Concen: 6.771 ug/l

RT: 7.745 min Scan# 996

Delta R.T. 0.000 min

Lab File: VN073536.D

Acq: 20 Jul 2022 20:59

Instrument :

MSVOA_N

ClientSampleId :

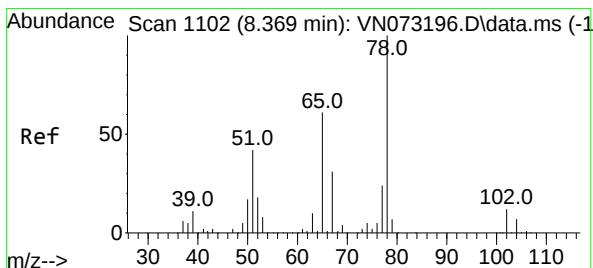
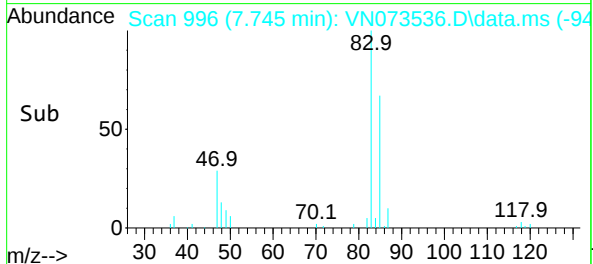
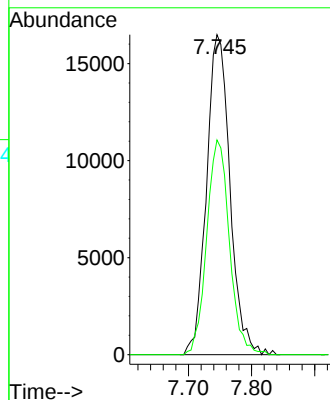
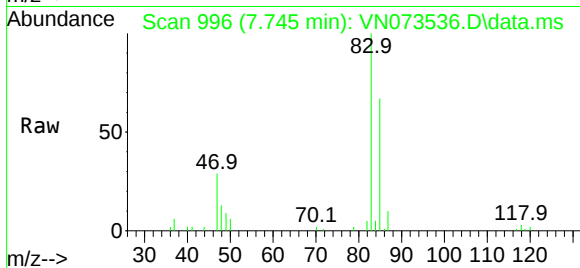
070622-B

Tgt Ion: 83 Resp: 42626

Ion Ratio Lower Upper

83 100

85 67.1 51.8 77.8



#33

1,2-Dichloroethane-d4

Concen: 42.670 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073536.D

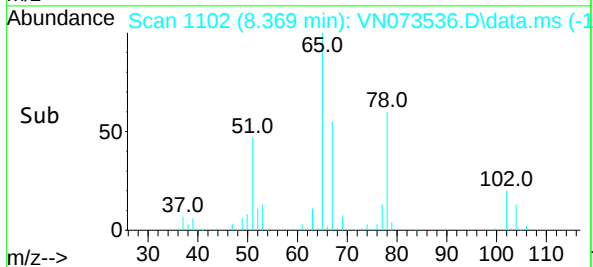
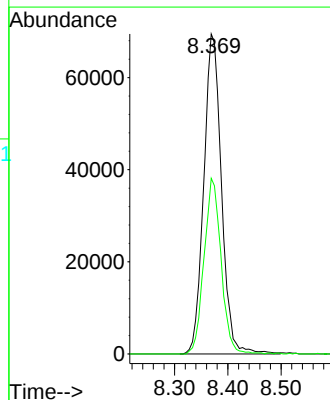
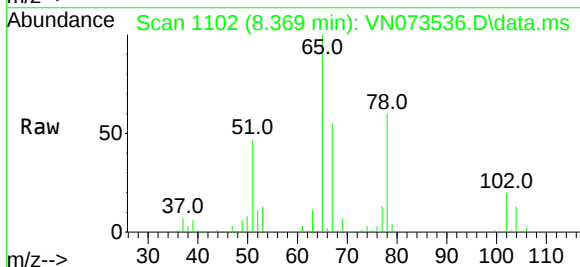
Acq: 20 Jul 2022 20:59

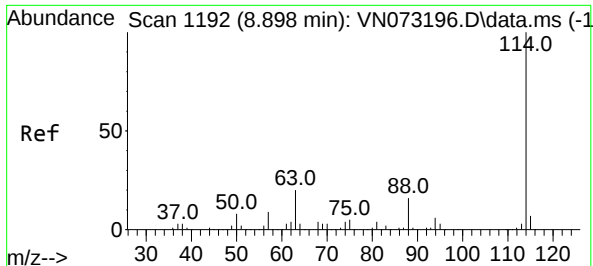
Tgt Ion: 65 Resp: 160785

Ion Ratio Lower Upper

65 100

67 52.8 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.006 min

Lab File: VN073536.D

Acq: 20 Jul 2022 20:59

Instrument :

MSVOA_N

ClientSampleId :

070622-B

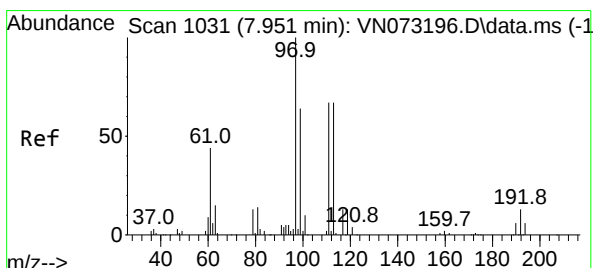
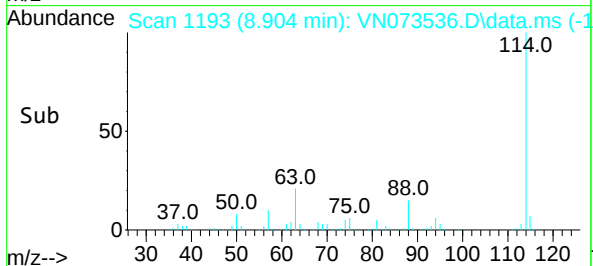
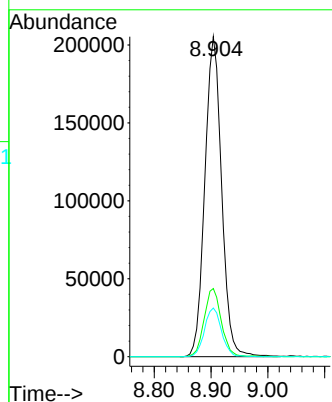
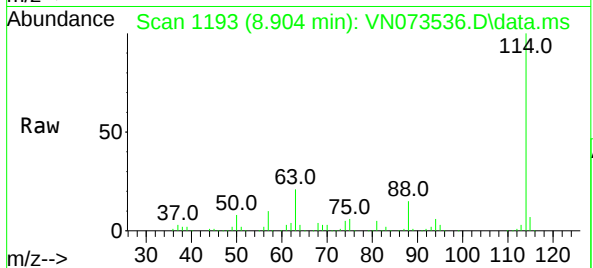
Tgt Ion:114 Resp: 420118

Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.0

88 15.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.548 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073536.D

Acq: 20 Jul 2022 20:59

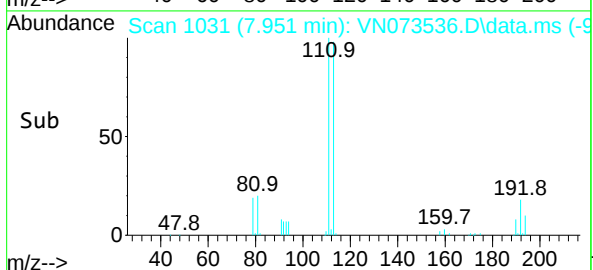
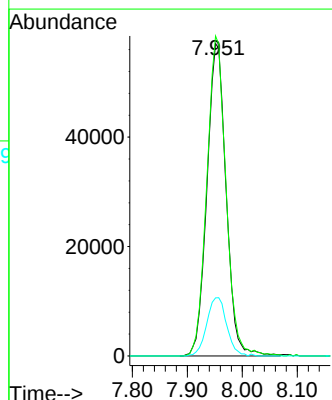
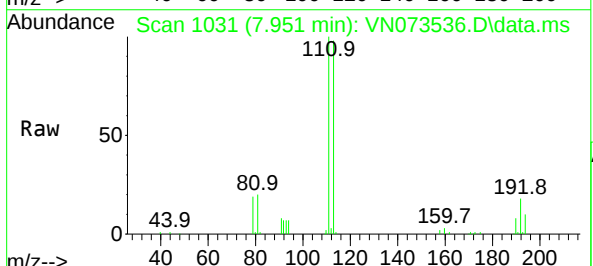
Tgt Ion:113 Resp: 138493

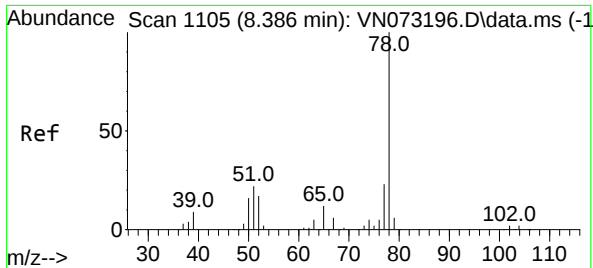
Ion Ratio Lower Upper

113 100

111 102.5 81.4 122.0

192 19.3 17.0 25.6

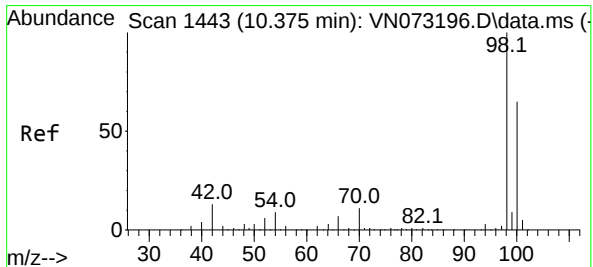
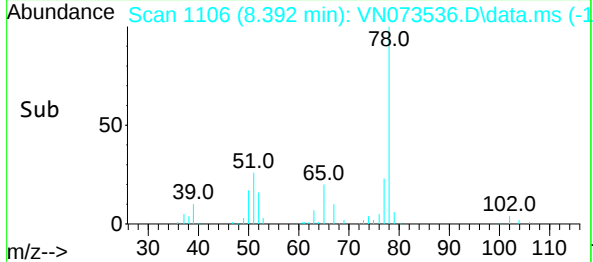
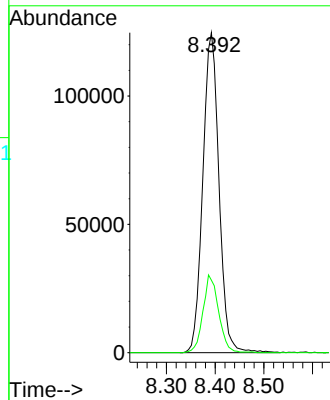
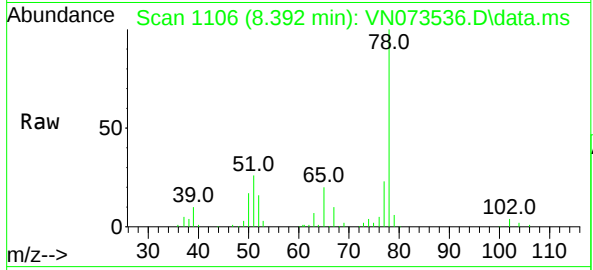




#40
Benzene
Concen: 21.627 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VN073536.D
Acq: 20 Jul 2022 20:59

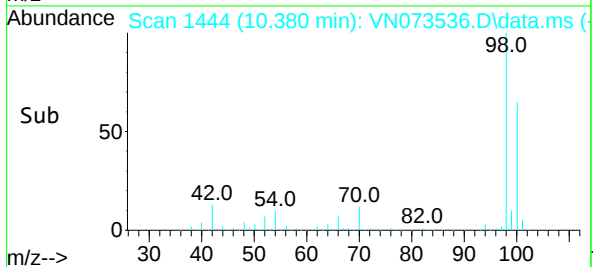
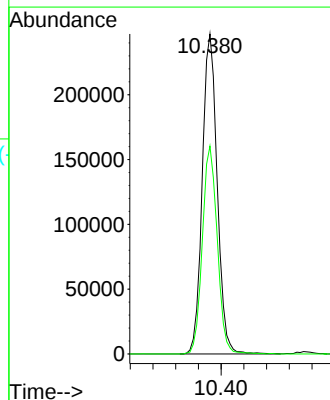
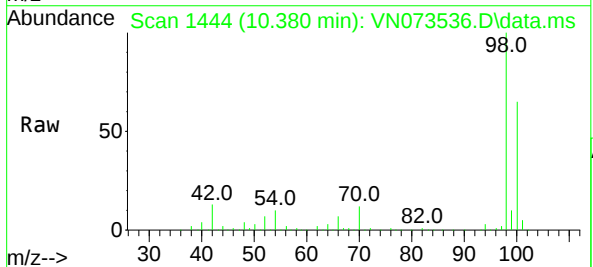
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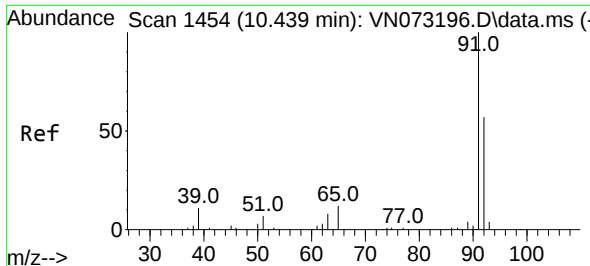
Tgt Ion: 78 Resp: 287050
Ion Ratio Lower Upper
78 100
77 22.7 19.4 29.0



#50
Toluene-d8
Concen: 45.331 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.005 min
Lab File: VN073536.D
Acq: 20 Jul 2022 20:59

Tgt Ion: 98 Resp: 450011
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8

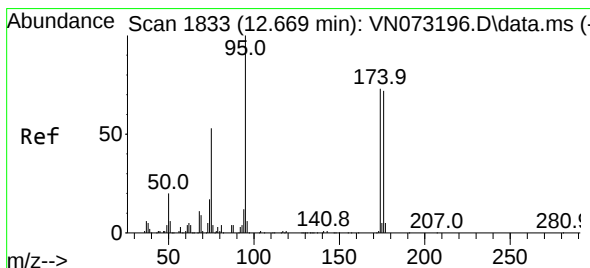
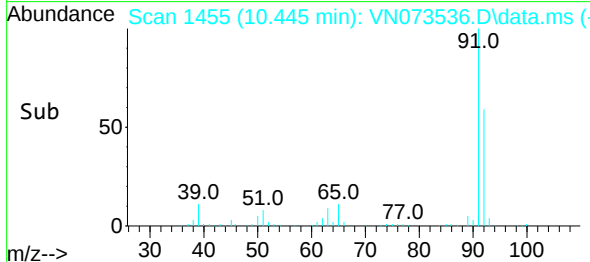
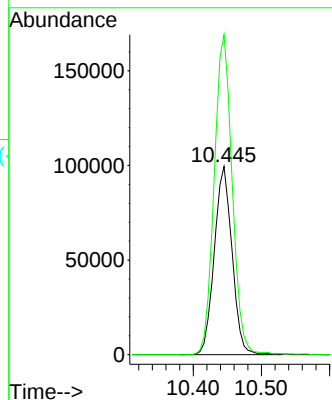
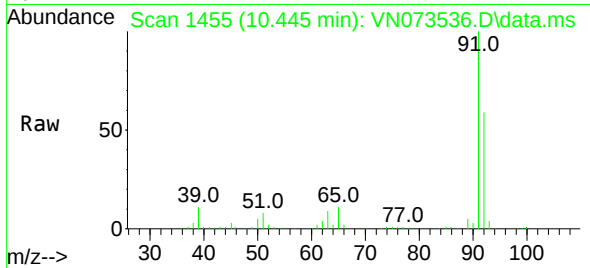




#52
Toluene
Concen: 21.954 ug/l
RT: 10.445 min Scan# 1454
Delta R.T. 0.006 min
Lab File: VN073536.D
Acq: 20 Jul 2022 20:59

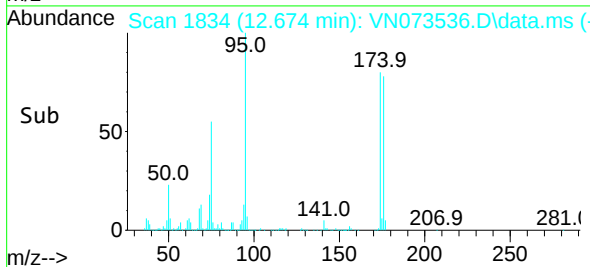
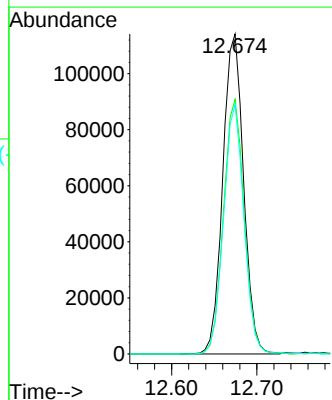
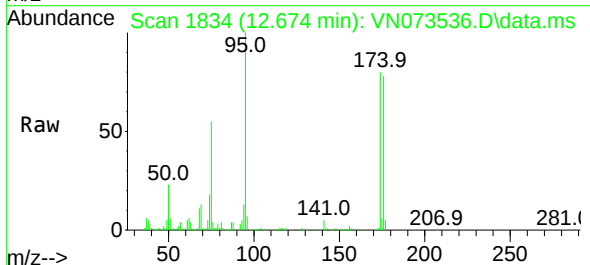
Instrument :
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070622-B

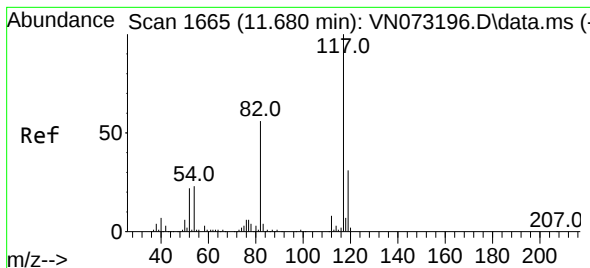
Tgt Ion: 92 Resp: 180079
Ion Ratio Lower Upper
92 100
91 172.5 138.6 207.8



#62
4-Bromofluorobenzene
Concen: 50.706 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.005 min
Lab File: VN073536.D
Acq: 20 Jul 2022 20:59

Tgt Ion: 95 Resp: 193445
Ion Ratio Lower Upper
95 100
174 79.3 0.0 167.6
176 76.3 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.686 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN073536.D

Acq: 20 Jul 2022 20:59

Instrument :

MSVOA_N

ClientSampleId :

070622-B

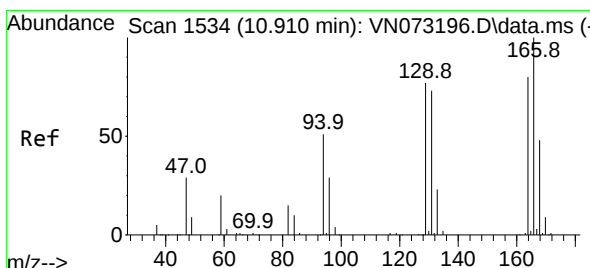
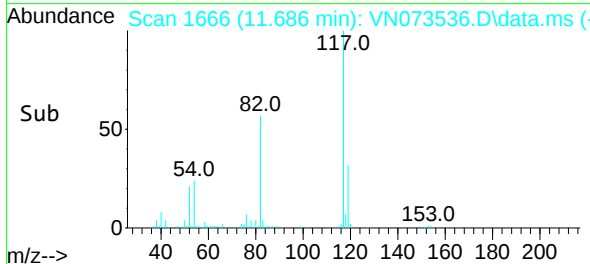
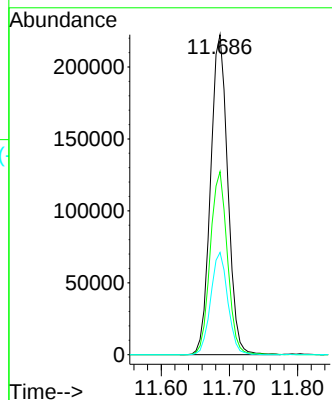
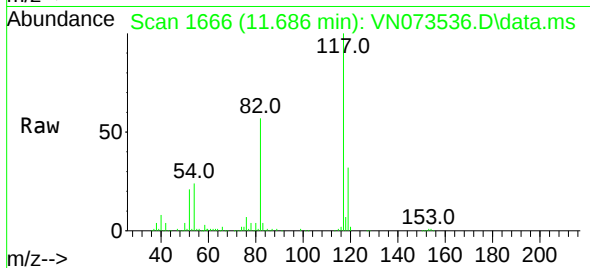
Tgt Ion:117 Resp: 390858

Ion Ratio Lower Upper

117 100

82 57.2 44.2 66.2

119 32.0 25.4 38.0



#64

Tetrachloroethene

Concen: 0.979 ug/l

RT: 10.910 min Scan# 1534

Delta R.T. -0.000 min

Lab File: VN073536.D

Acq: 20 Jul 2022 20:59

Tgt Ion:164 Resp: 3124

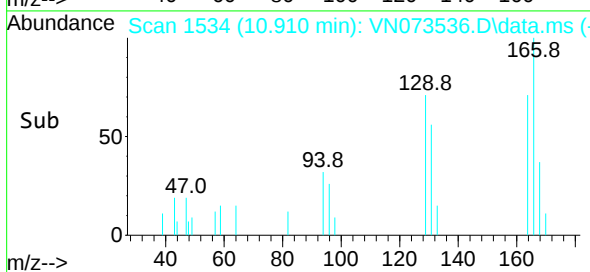
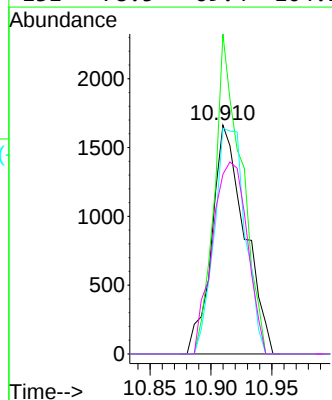
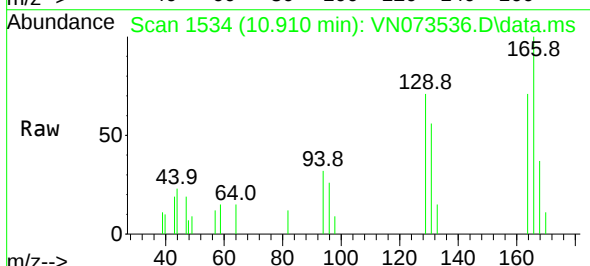
Ion Ratio Lower Upper

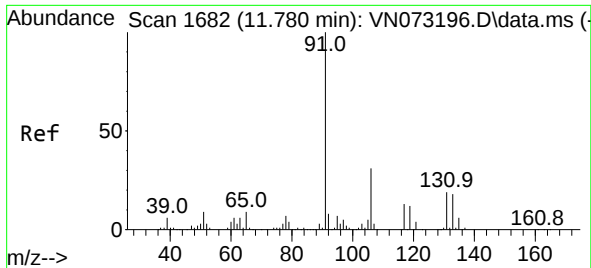
164 100

166 139.9 104.2 156.2

129 98.7 73.9 110.9

131 78.5 69.4 104.2

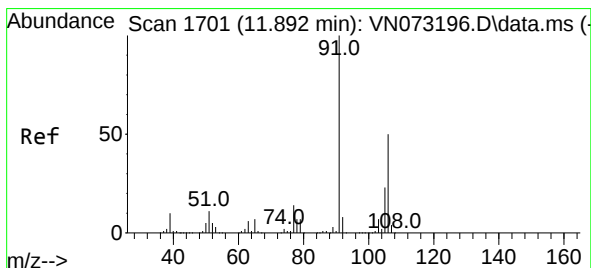
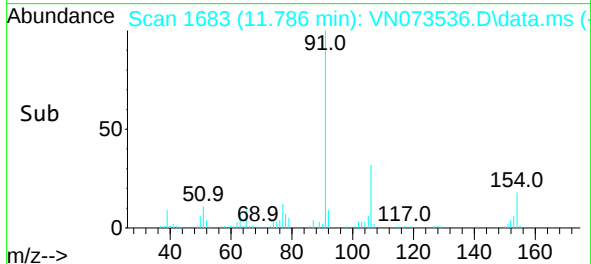
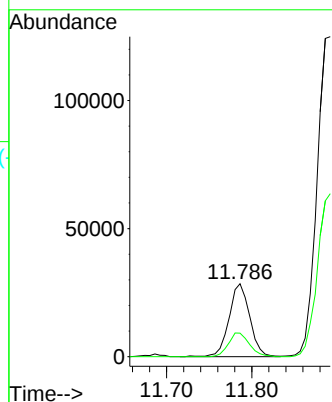
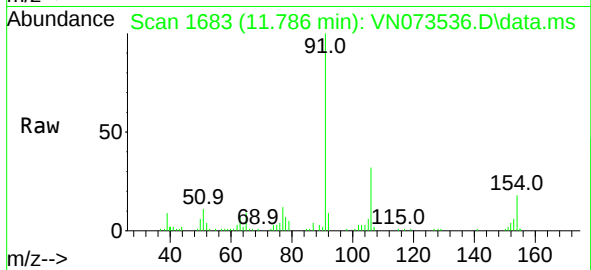




#67
Ethyl Benzene
Concen: 2.990 ug/l
RT: 11.786 min Scan# 1170
Delta R.T. 0.006 min
Lab File: VN073536.D
Acq: 20 Jul 2022 20:59

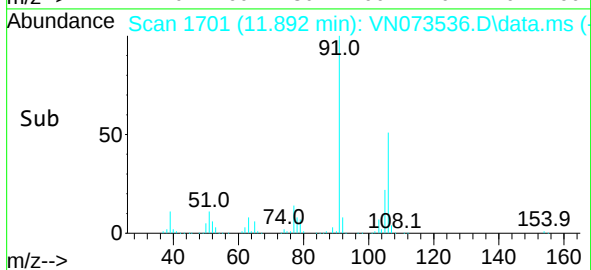
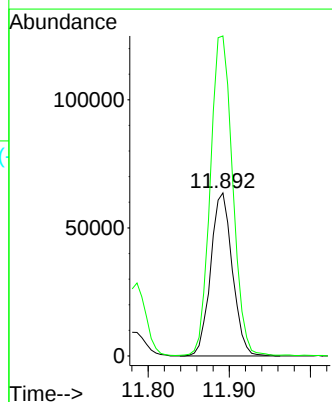
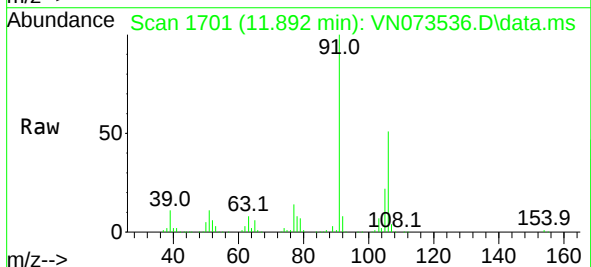
Instrument :
MSVOA_N
ClientSampleId :
070622-B

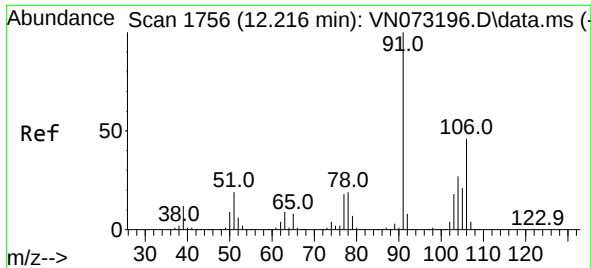
Tgt Ion: 91 Resp: 47988
Ion Ratio Lower Upper
91 100
106 32.3 24.9 37.3



#68
m/p-Xylenes
Concen: 19.483 ug/l
RT: 11.892 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN073536.D
Acq: 20 Jul 2022 20:59

Tgt Ion: 106 Resp: 118003
Ion Ratio Lower Upper
106 100
91 201.9 158.9 238.3

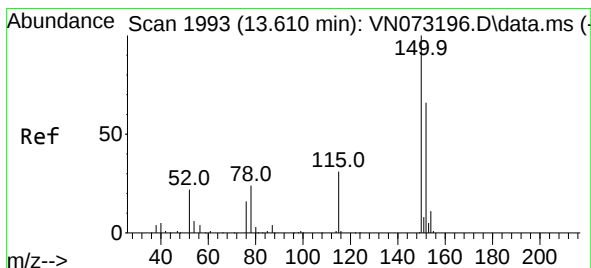
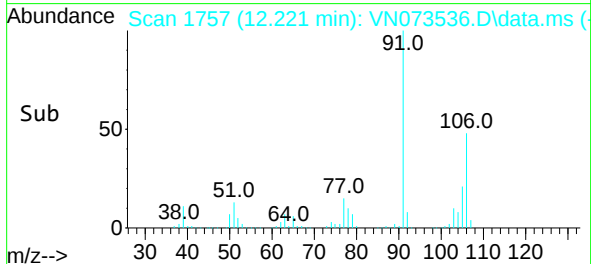
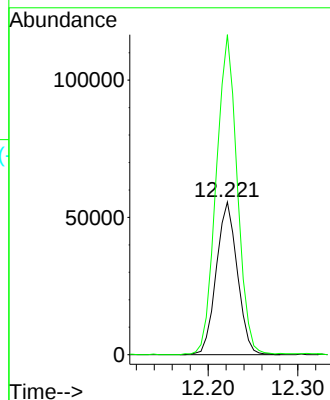
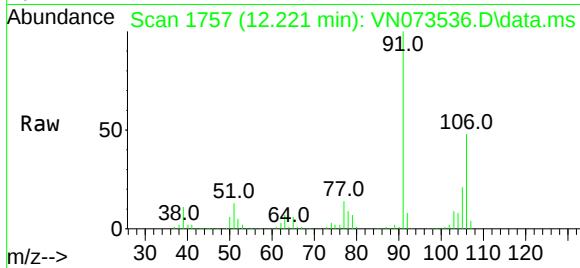




#69
o-Xylene
Concen: 14.636 ug/l
RT: 12.221 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN073536.D
Acq: 20 Jul 2022 20:59

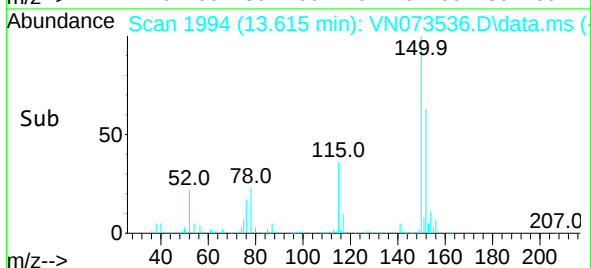
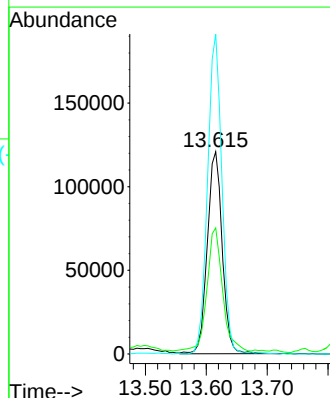
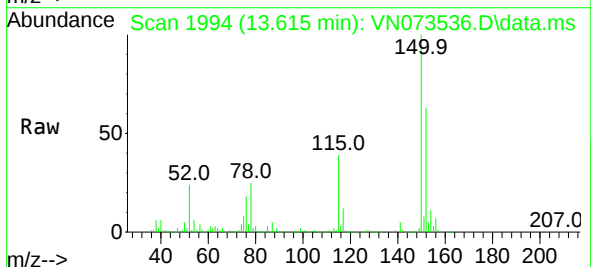
Instrument :
MSVOA_N
ClientSampleId :
070622-B

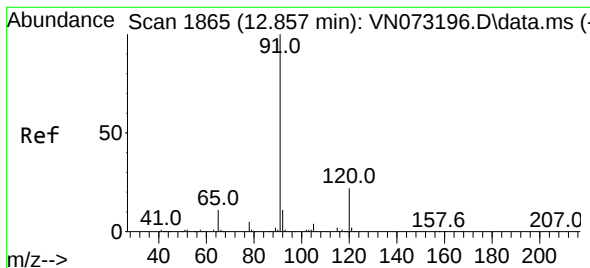
Tgt Ion:106 Resp: 90492
Ion Ratio Lower Upper
106 100
91 210.0 106.0 318.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.005 min
Lab File: VN073536.D
Acq: 20 Jul 2022 20:59

Tgt Ion:152 Resp: 206061
Ion Ratio Lower Upper
152 100
115 63.4 28.9 86.7
150 152.3 0.0 356.2





#78

n-propylbenzene

Concen: 0.621 ug/l

RT: 12.863 min Scan# 1866

Delta R.T. 0.006 min

Lab File: VN073536.D

Acq: 20 Jul 2022 20:59

Instrument :

MSVOA_N

ClientSampleId :

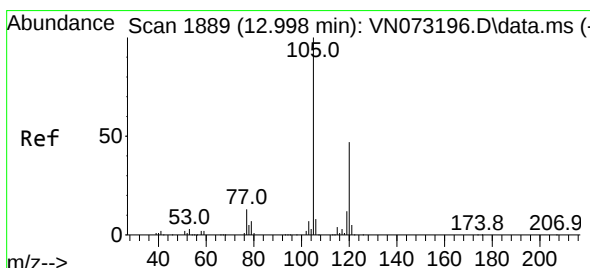
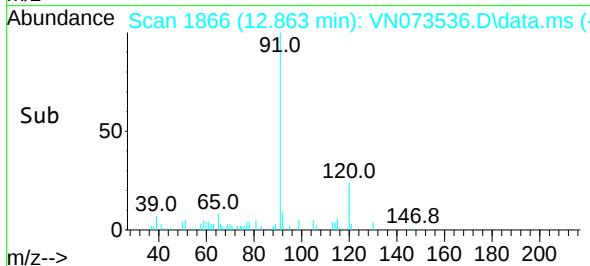
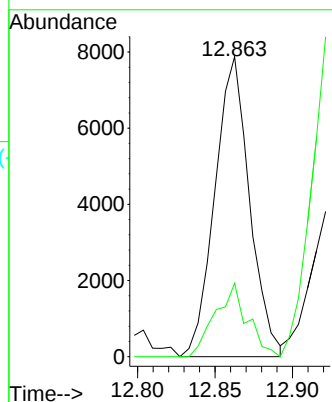
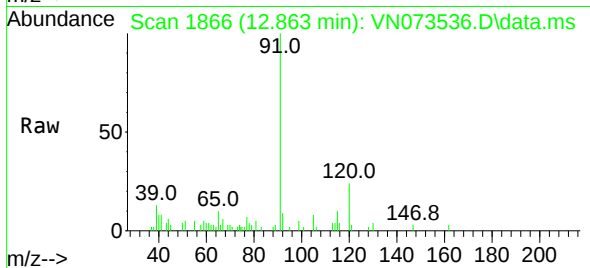
070622-B

Tgt Ion: 91 Resp: 12270

Ion Ratio Lower Upper

91 100

120 22.6 11.9 35.5



#80

1,3,5-Trimethylbenzene

Concen: 3.320 ug/l

RT: 12.998 min Scan# 1889

Delta R.T. -0.000 min

Lab File: VN073536.D

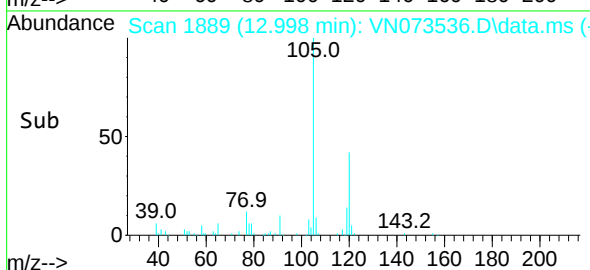
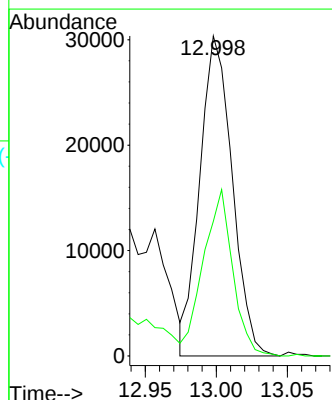
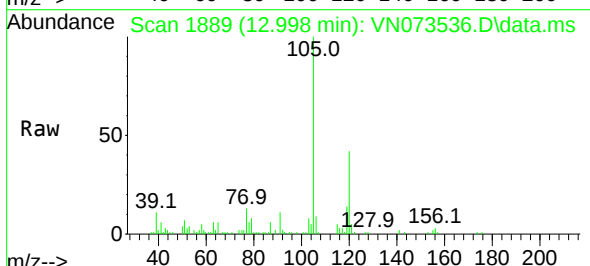
Acq: 20 Jul 2022 20:59

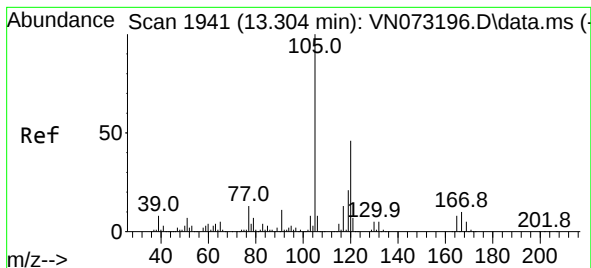
Tgt Ion: 105 Resp: 48146

Ion Ratio Lower Upper

105 100

120 47.3 24.9 74.7





#84

1,2,4-Trimethylbenzene

Concen: 10.557 ug/l

RT: 13.310 min Scan# 1941

Delta R.T. 0.006 min

Lab File: VN073536.D

Acq: 20 Jul 2022 20:59

Instrument :

MSVOA_N

ClientSampleId :

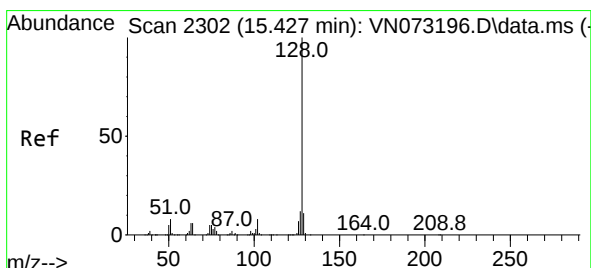
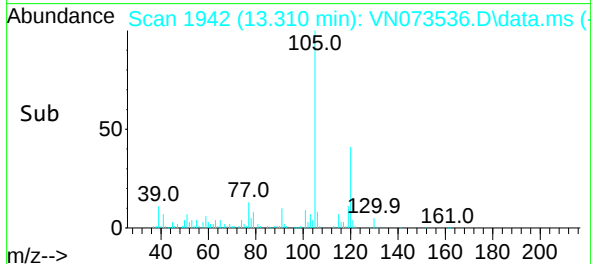
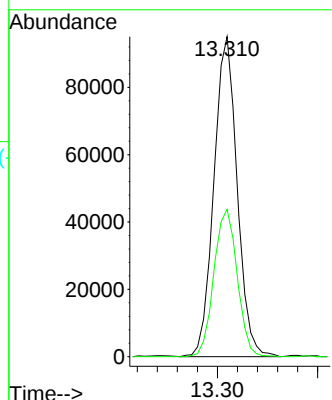
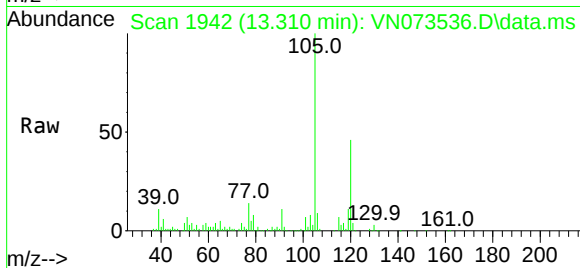
070622-B

Tgt Ion:105 Resp: 152865

Ion Ratio Lower Upper

105 100

120 46.1 23.3 69.8



#95

Naphthalene

Concen: 270.544 ug/l

RT: 15.433 min Scan# 2303

Delta R.T. 0.006 min

Lab File: VN073536.D

Acq: 20 Jul 2022 20:59

Tgt Ion:128 Resp: 4296615

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

129 11.0 8.6 13.0

