

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072022\
 Data File : VN073535.D
 Acq On : 20 Jul 2022 20:34
 Operator : JC\MD
 Sample : N3779-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 070622-A

Quant Time: Jul 21 08:26:48 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)

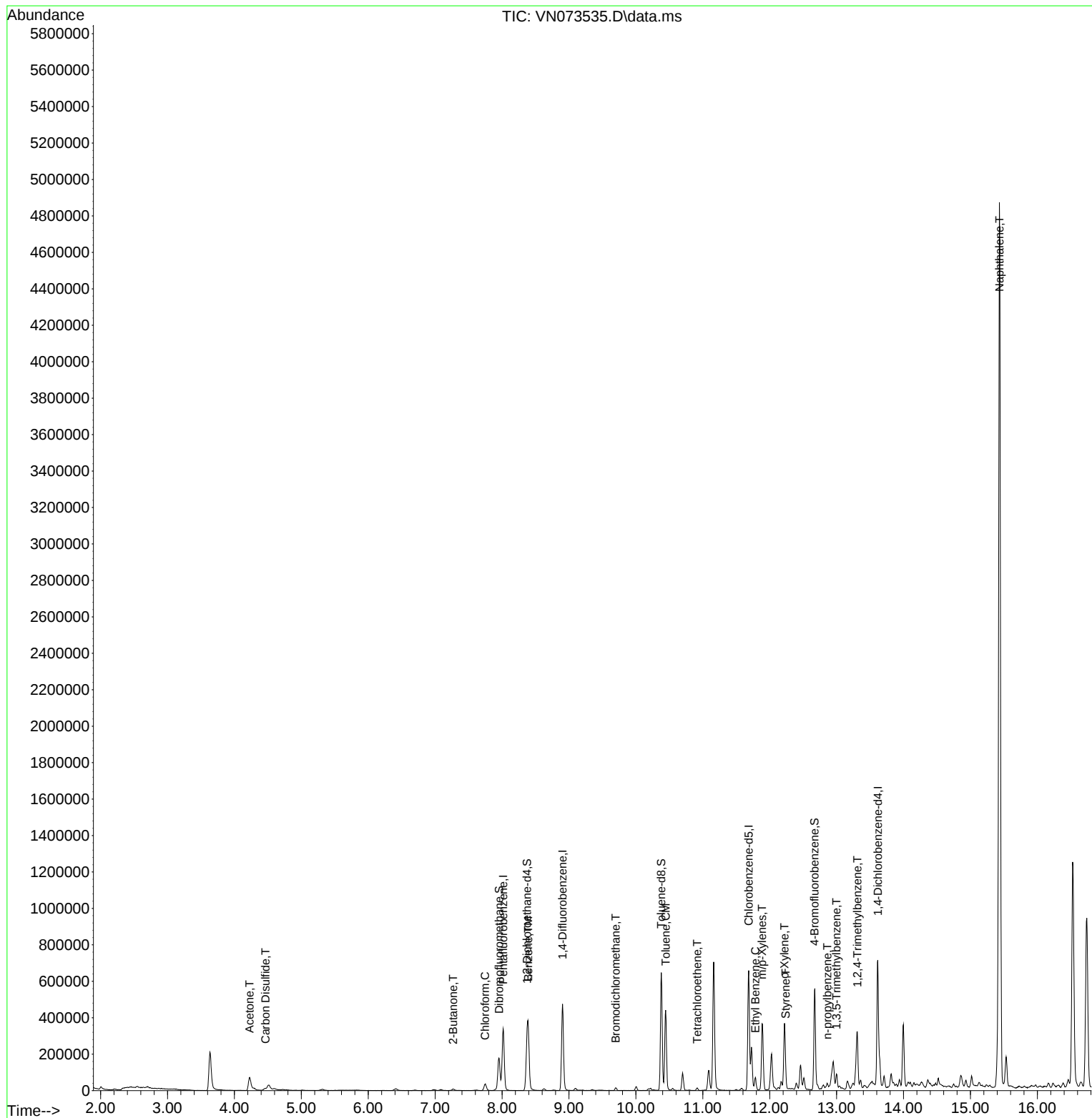
Internal Standards						
1) Pentafluorobenzene	8.016	168	256338	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	405272	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	381117	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	184190	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	157317	42.512	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	85.020%		
35) Dibromofluoromethane	7.957	113	131770	48.870	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.740%		
50) Toluene-d8	10.380	98	440921	46.042	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.080%		
62) 4-Bromofluorobenzene	12.668	95	182735	49.654	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.300%		
Target Compounds					Qvalue	
16) Acetone	4.228	43	131545	63.329	ug/l	99
17) Carbon Disulfide	4.463	76	27083	3.461	ug/l	100
25) 2-Butanone	7.269	43	14225	4.301	ug/l	93
30) Chloroform	7.745	83	35401	5.726	ug/l	96
40) Benzene	8.392	78	290099	22.657	ug/l	96
47) Bromodichloromethane	9.698	83	10187	2.374	ug/l #	80
52) Toluene	10.445	92	189851	23.993	ug/l	100
64) Tetrachloroethene	10.916	164	3171	1.019	ug/l	88
67) Ethyl Benzene	11.786	91	47927	3.063	ug/l	91
68) m/p-Xylenes	11.886	106	116046	19.650	ug/l	96
69) o-Xylene	12.221	106	84636	14.038	ug/l	97
70) Styrene	12.239	104	37480	4.027	ug/l #	69
78) n-propylbenzene	12.863	91	17048	0.965	ug/l	77
80) 1,3,5-Trimethylbenzene	12.998	105	41459	3.198	ug/l	100
84) 1,2,4-Trimethylbenzene	13.310	105	143882	11.116	ug/l	97
95) Naphthalene	15.433	128	4270088	300.801	ug/l	100

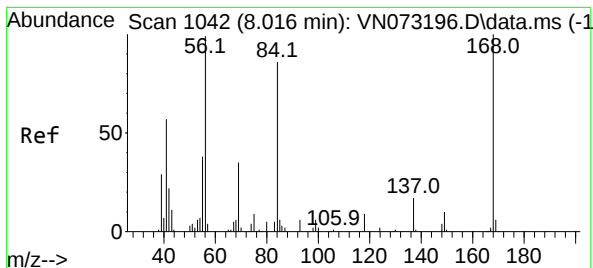
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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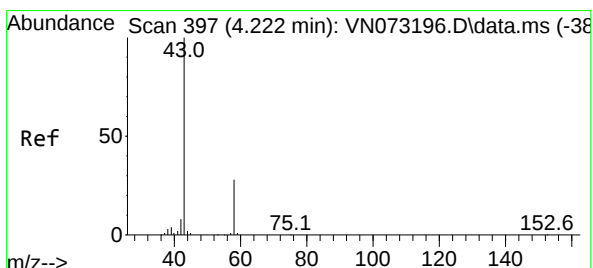
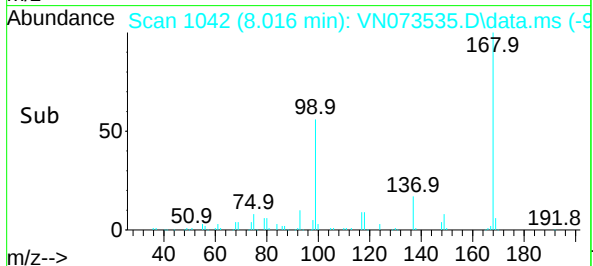
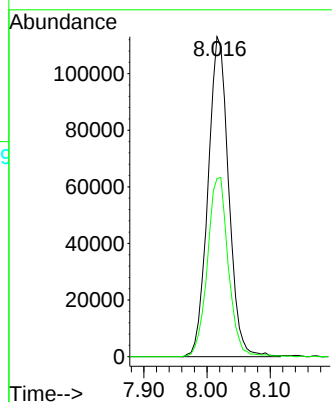
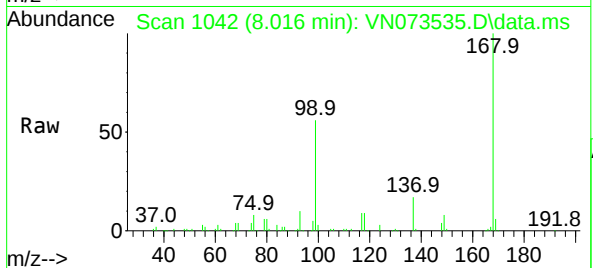




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073535.D
Acq: 20 Jul 2022 20:34

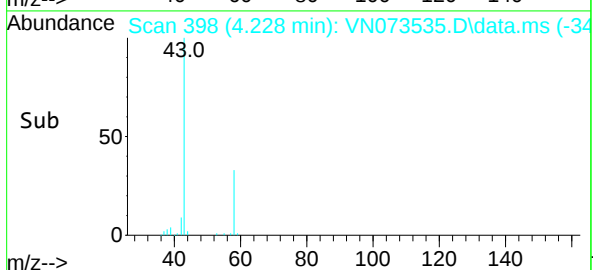
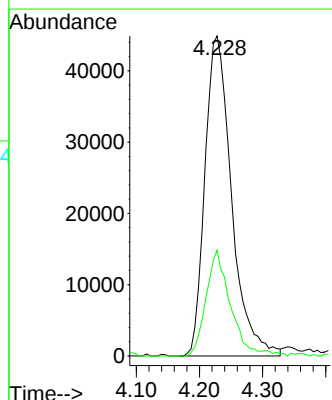
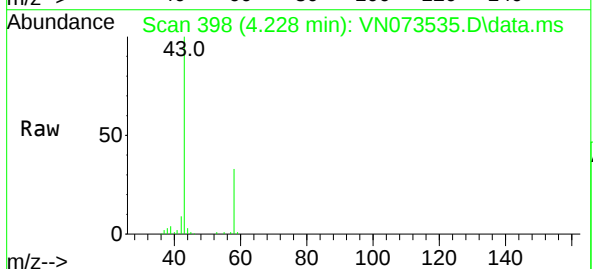
Instrument :
MSVOA_N
ClientSampleId :
070622-A

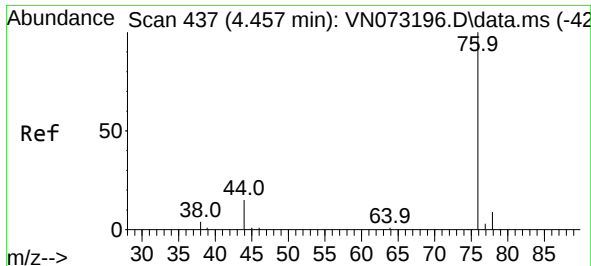
Tgt Ion:168 Resp: 256338
Ion Ratio Lower Upper
168 100
99 55.6 42.3 63.5



#16
Acetone
Concen: 63.329 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.006 min
Lab File: VN073535.D
Acq: 20 Jul 2022 20:34

Tgt Ion: 43 Resp: 131545
Ion Ratio Lower Upper
43 100
58 33.0 26.0 39.0





#17

Carbon Disulfide

Concen: 3.461 ug/l

RT: 4.463 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN073535.D

Acq: 20 Jul 2022 20:34

Instrument :

MSVOA_N

ClientSampleId :

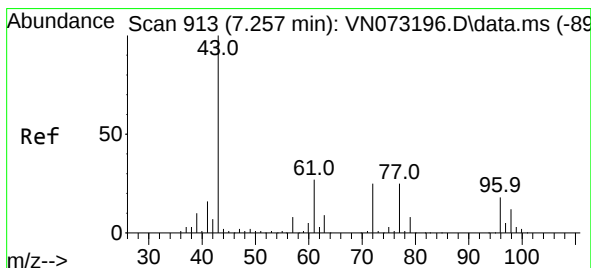
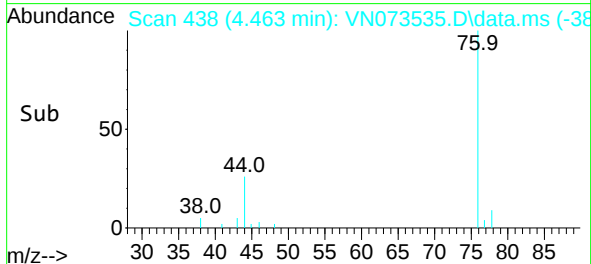
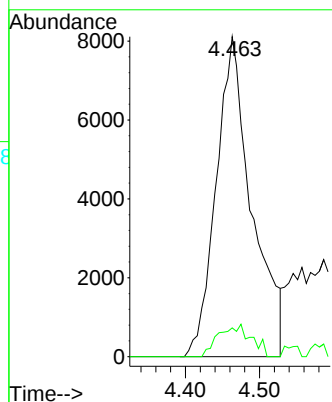
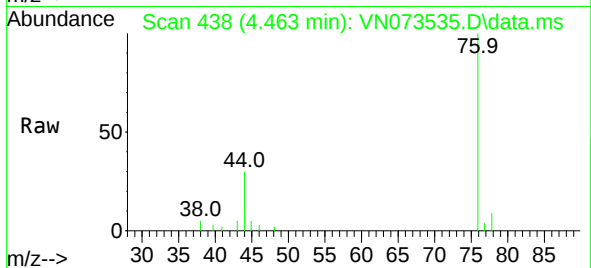
070622-A

Tgt Ion: 76 Resp: 27083

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8



#25

2-Butanone

Concen: 4.301 ug/l

RT: 7.269 min Scan# 915

Delta R.T. 0.012 min

Lab File: VN073535.D

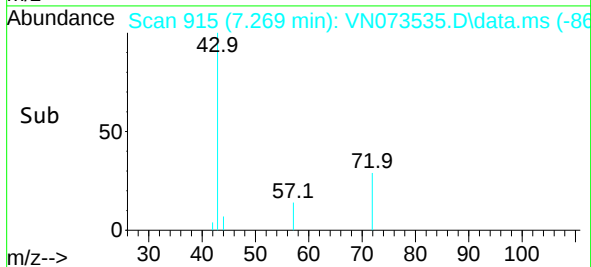
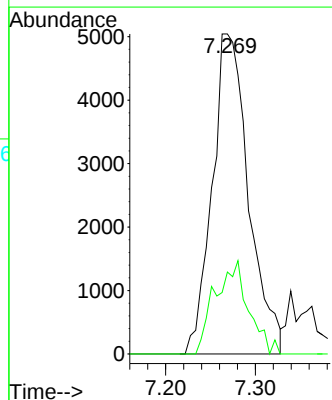
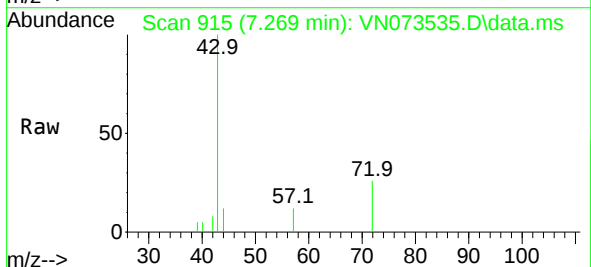
Acq: 20 Jul 2022 20:34

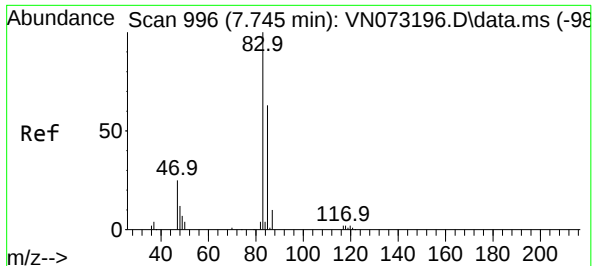
Tgt Ion: 43 Resp: 14225

Ion Ratio Lower Upper

43 100

72 25.6 23.7 35.5





#30

Chloroform

Concen: 5.726 ug/l

RT: 7.745 min Scan# 996

Delta R.T. 0.000 min

Lab File: VN073535.D

Acq: 20 Jul 2022 20:34

Instrument :

MSVOA_N

ClientSampleId :

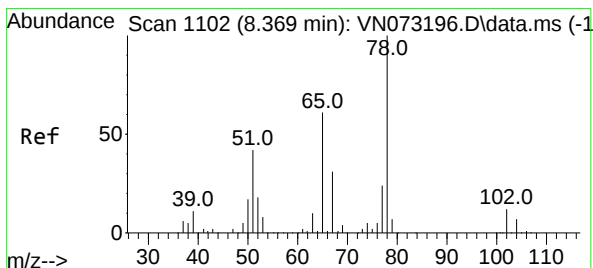
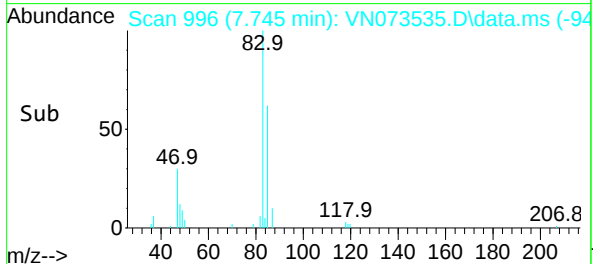
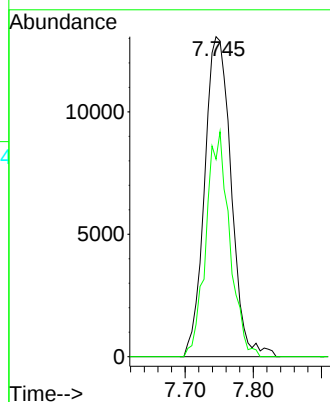
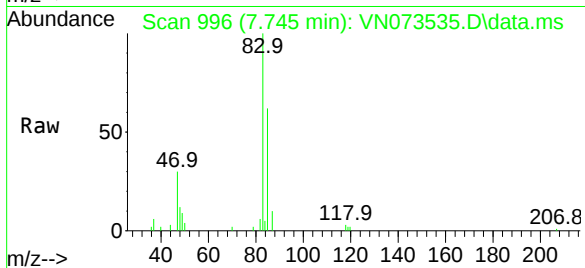
070622-A

Tgt Ion: 83 Resp: 35401

Ion Ratio Lower Upper

83 100

85 61.7 51.8 77.8



#33

1,2-Dichloroethane-d4

Concen: 42.512 ug/l

RT: 8.375 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VN073535.D

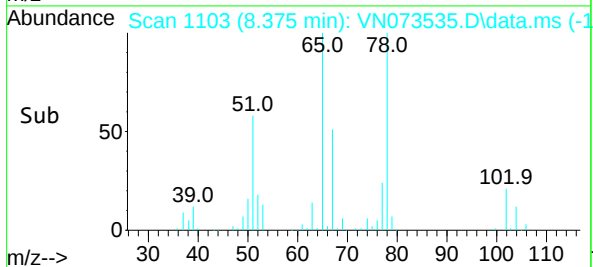
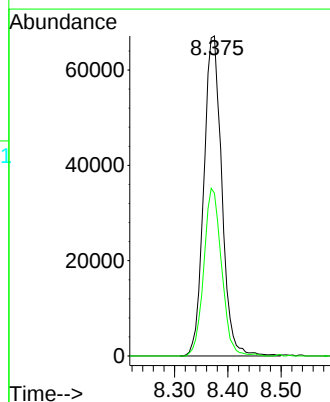
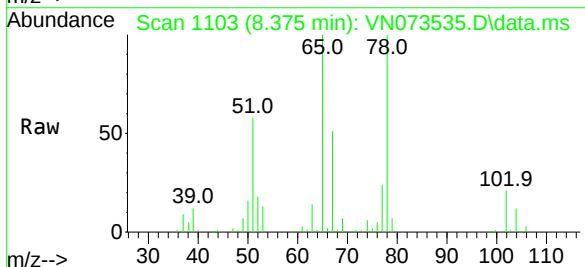
Acq: 20 Jul 2022 20:34

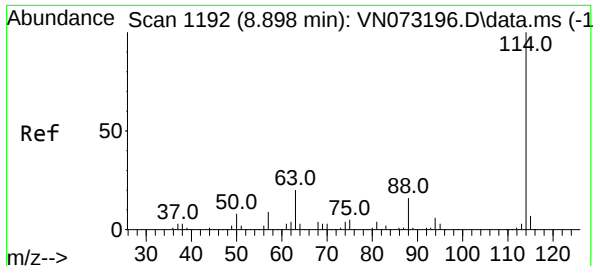
Tgt Ion: 65 Resp: 157317

Ion Ratio Lower Upper

65 100

67 51.8 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1192

Delta R.T. 0.006 min

Lab File: VN073535.D

Acq: 20 Jul 2022 20:34

Instrument :

MSVOA_N

ClientSampleId :

070622-A

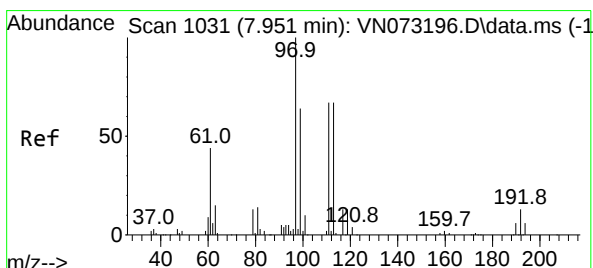
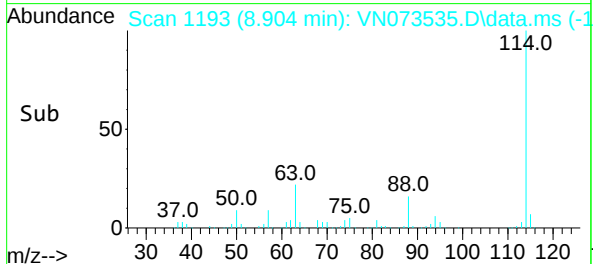
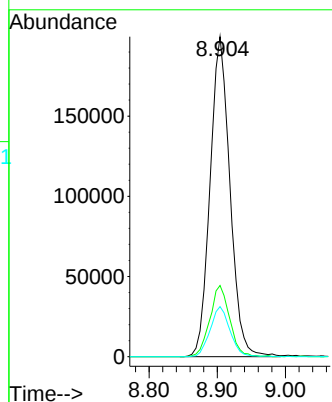
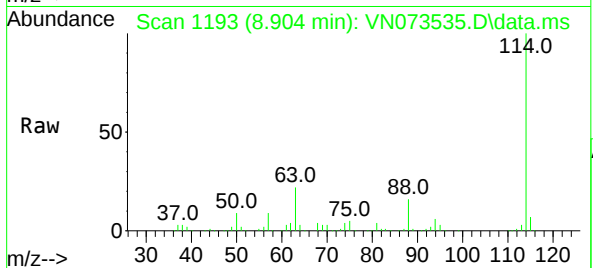
Tgt Ion:114 Resp: 405272

Ion Ratio Lower Upper

114 100

63 22.3 0.0 40.0

88 15.7 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.870 ug/l

RT: 7.957 min Scan# 1032

Delta R.T. 0.006 min

Lab File: VN073535.D

Acq: 20 Jul 2022 20:34

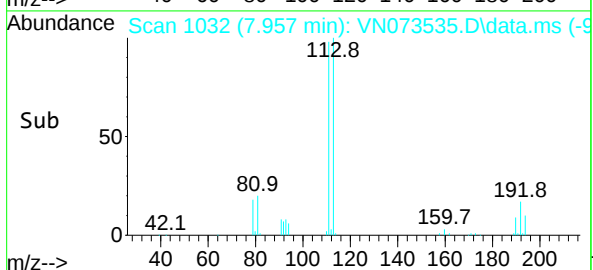
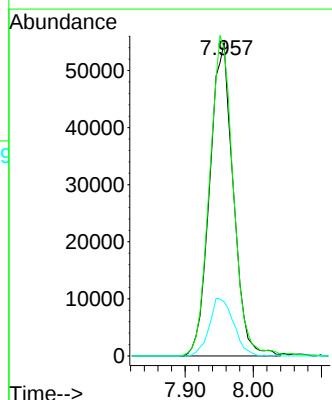
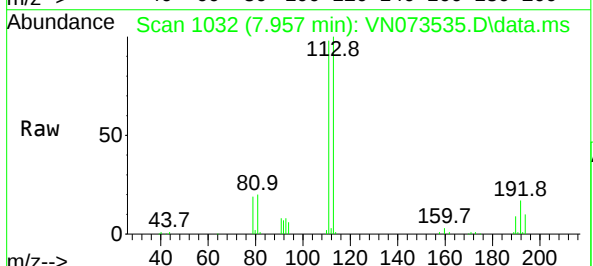
Tgt Ion:113 Resp: 131770

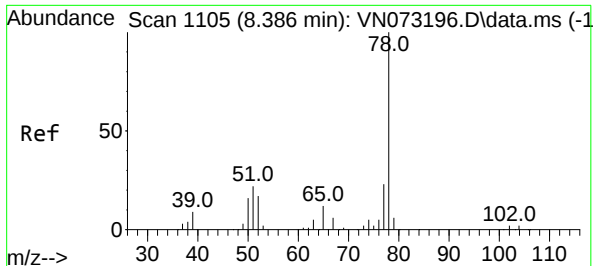
Ion Ratio Lower Upper

113 100

111 103.3 81.4 122.0

192 19.1 17.0 25.6

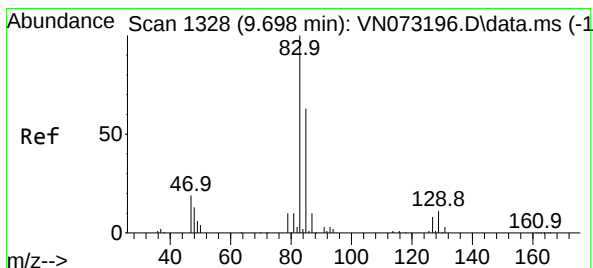
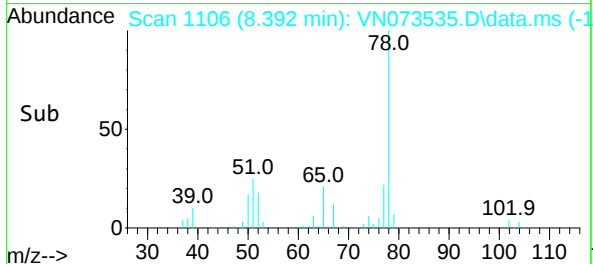
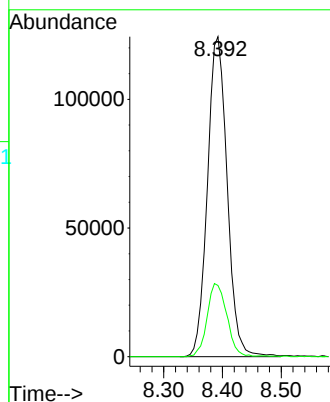
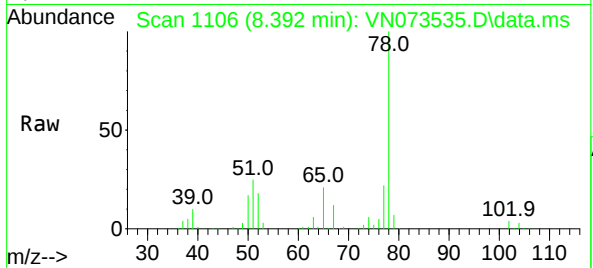




#40
Benzene
Concen: 22.657 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VN073535.D
Acq: 20 Jul 2022 20:34

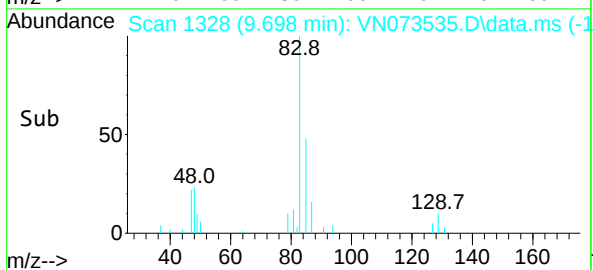
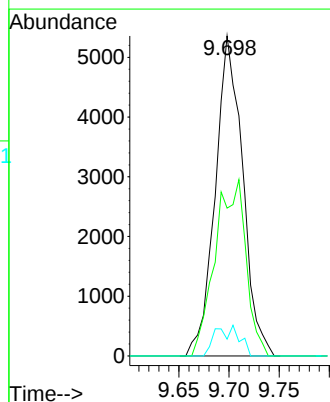
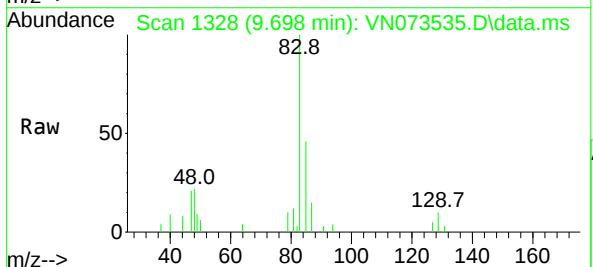
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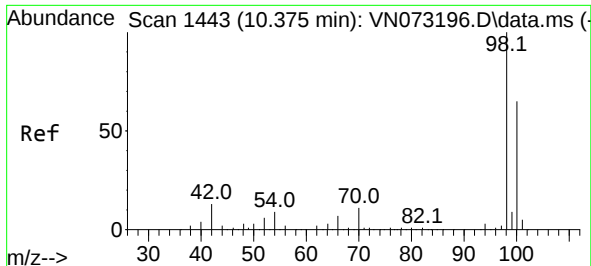
Tgt Ion: 78 Resp: 290099
Ion Ratio Lower Upper
78 100
77 22.2 19.4 29.0



#47
Bromodichloromethane
Concen: 2.374 ug/l
RT: 9.698 min Scan# 1328
Delta R.T. 0.000 min
Lab File: VN073535.D
Acq: 20 Jul 2022 20:34

Tgt Ion: 83 Resp: 10187
Ion Ratio Lower Upper
83 100
85 46.2 50.5 75.7#
127 5.2 6.8 10.2#

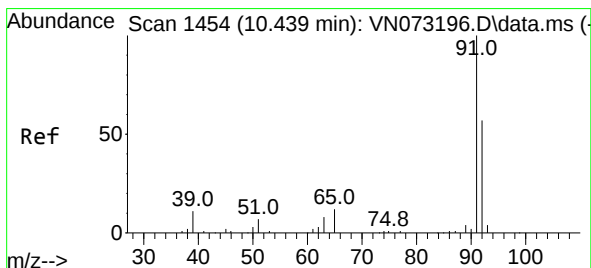
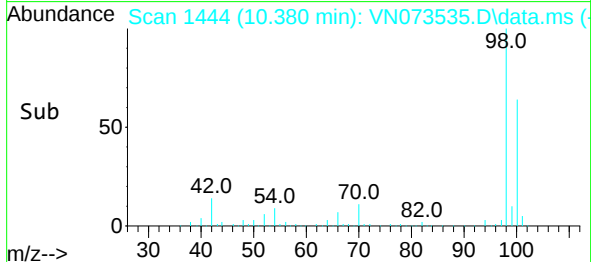
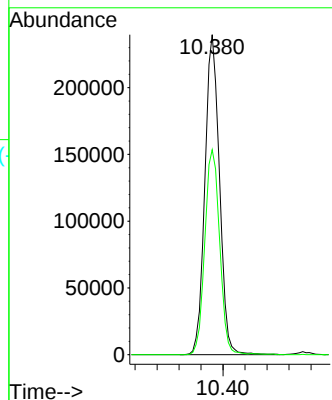
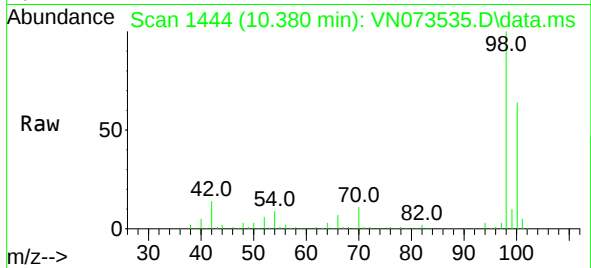




#50
Toluene-d8
Concen: 46.042 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.005 min
Lab File: VN073535.D
Acq: 20 Jul 2022 20:34

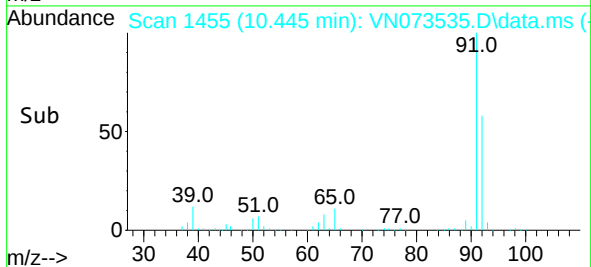
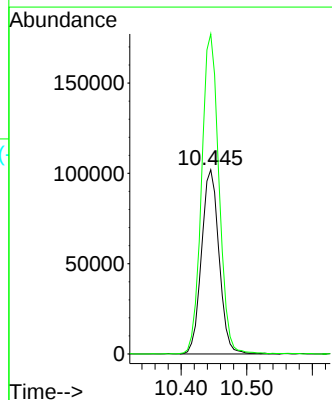
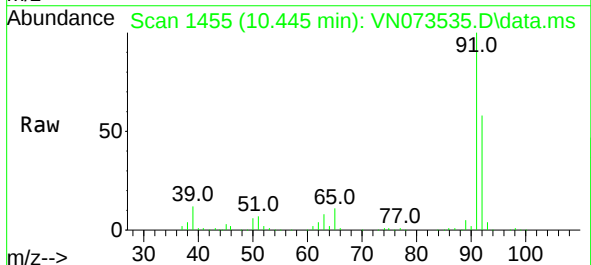
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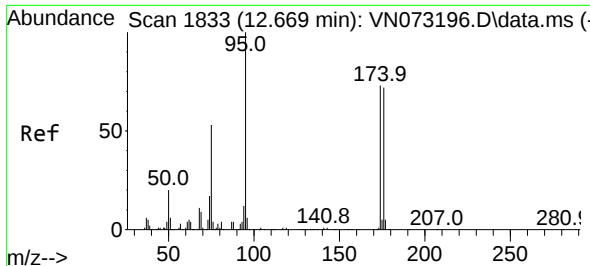
Tgt Ion: 98 Resp: 440921
Ion Ratio Lower Upper
98 100
100 65.1 52.6 78.8



#52
Toluene
Concen: 23.993 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.006 min
Lab File: VN073535.D
Acq: 20 Jul 2022 20:34

Tgt Ion: 92 Resp: 189851
Ion Ratio Lower Upper
92 100
91 172.7 138.6 207.8

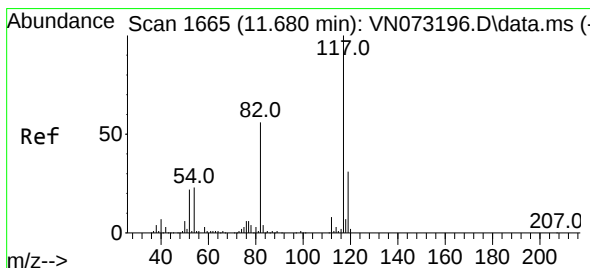
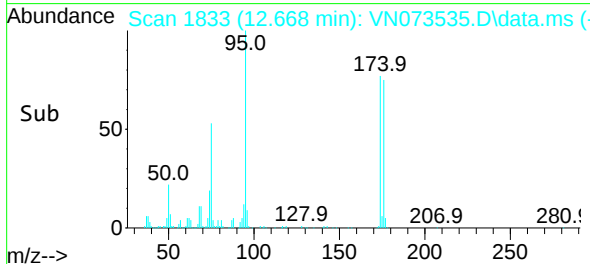
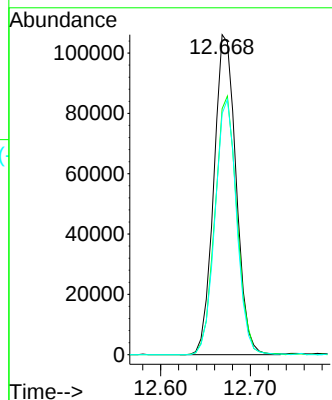
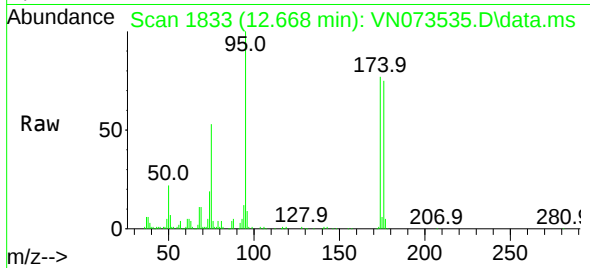




#62
4-Bromofluorobenzene
Concen: 49.654 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.001 min
Lab File: VN073535.D
Acq: 20 Jul 2022 20:34

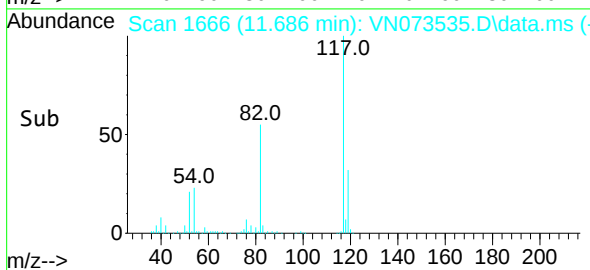
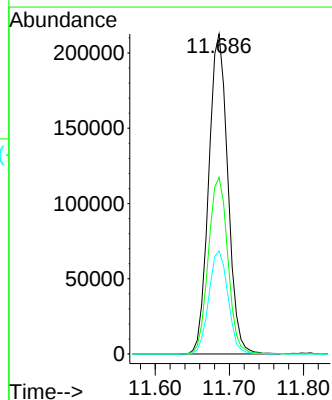
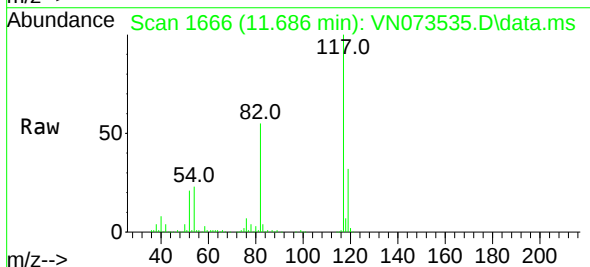
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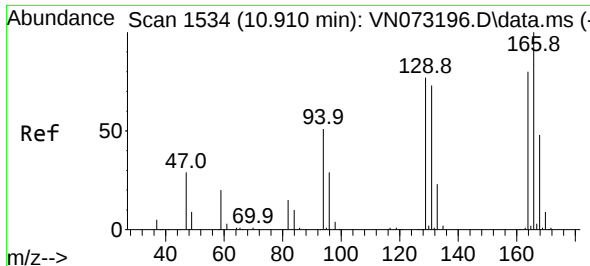
Tgt Ion: 95 Resp: 182735
Ion Ratio Lower Upper
95 100
174 79.5 0.0 167.6
176 77.2 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VN073535.D
Acq: 20 Jul 2022 20:34

Tgt Ion: 117 Resp: 381117
Ion Ratio Lower Upper
117 100
82 55.2 44.2 66.2
119 32.2 25.4 38.0

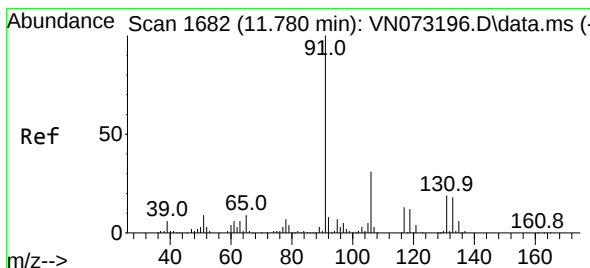
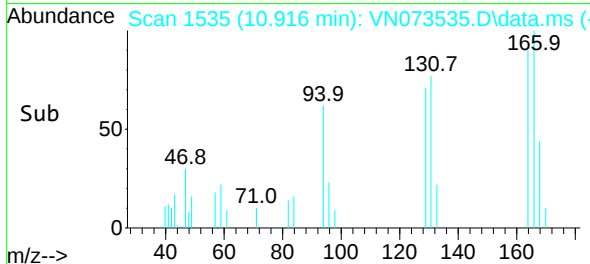
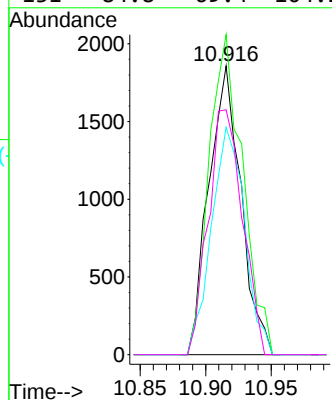
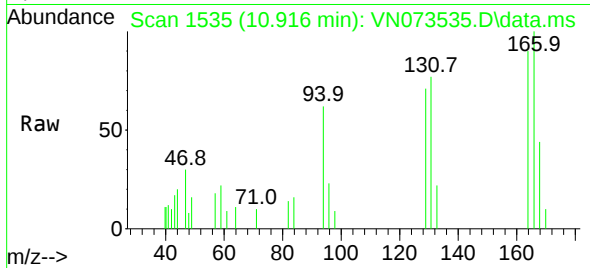




#64
Tetrachloroethene
Concen: 1.019 ug/l
RT: 10.916 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073535.D
Acq: 20 Jul 2022 20:34

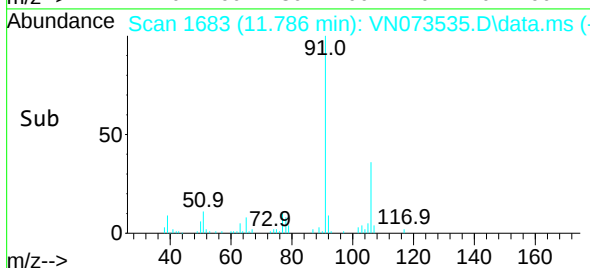
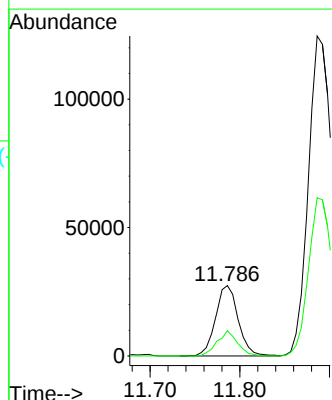
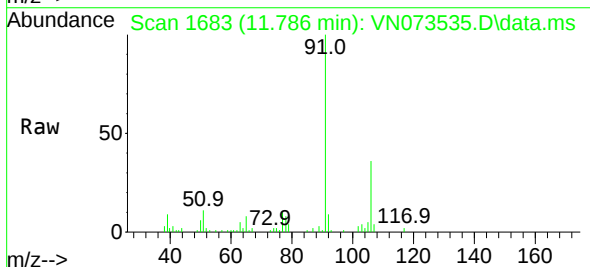
Instrument :
MSVOA_N
ClientSampleId :
070622-A

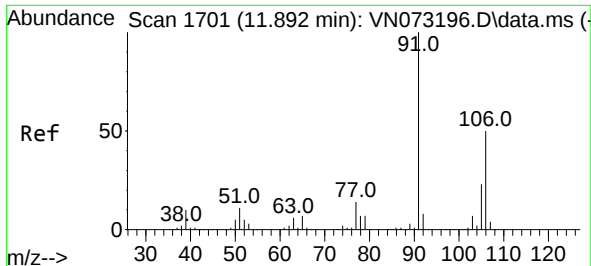
Tgt Ion:164 Resp: 3171
Ion Ratio Lower Upper
164 100
166 110.8 104.2 156.2
129 78.7 73.9 110.9
131 84.8 69.4 104.2



#67
Ethyl Benzene
Concen: 3.063 ug/l
RT: 11.786 min Scan# 1683
Delta R.T. 0.006 min
Lab File: VN073535.D
Acq: 20 Jul 2022 20:34

Tgt Ion: 91 Resp: 47927
Ion Ratio Lower Upper
91 100
106 36.0 24.9 37.3

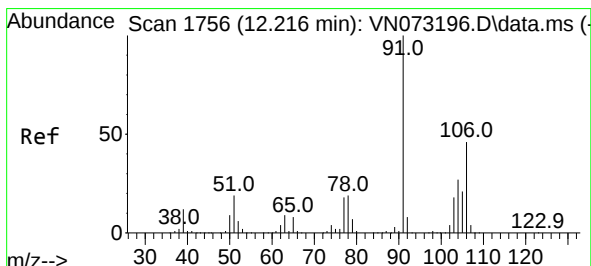
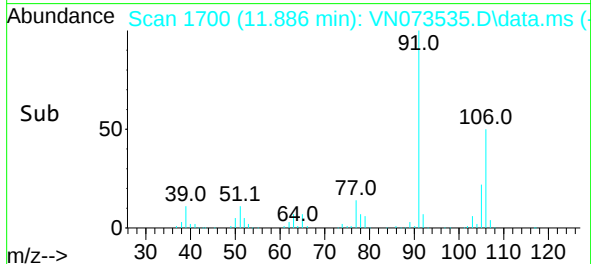
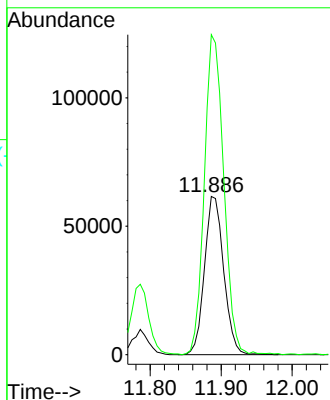
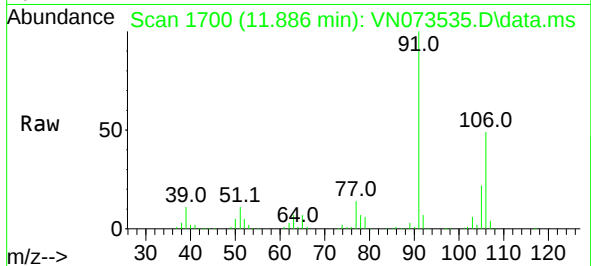




#68
m/p-Xylenes
Concen: 19.650 ug/l
RT: 11.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN073535.D
Acq: 20 Jul 2022 20:34

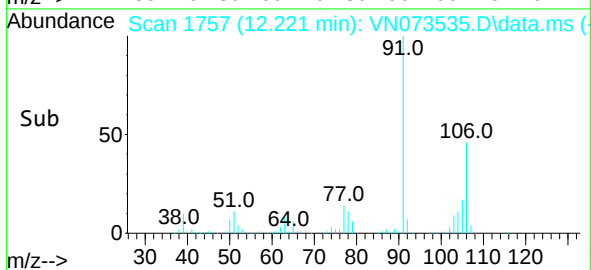
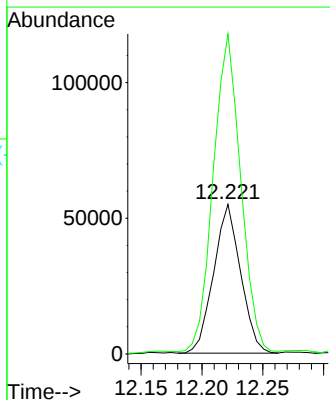
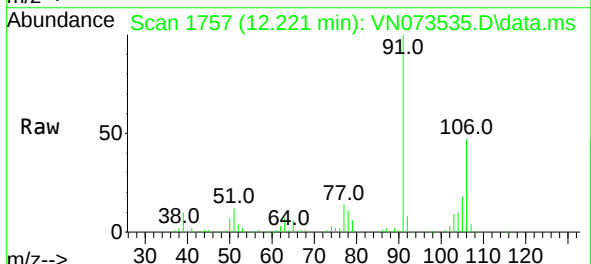
Instrument :
MSVOA_N
ClientSampleId :
070622-A

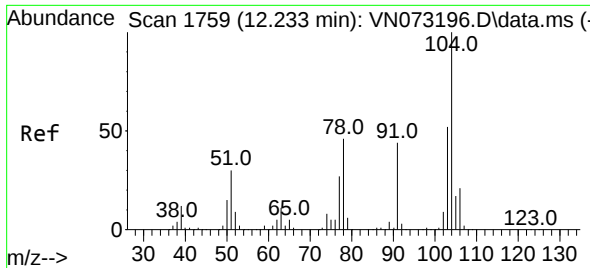
Tgt Ion:106 Resp: 116046
Ion Ratio Lower Upper
106 100
91 204.2 158.9 238.3



#69
o-Xylene
Concen: 14.038 ug/l
RT: 12.221 min Scan# 1757
Delta R.T. 0.005 min
Lab File: VN073535.D
Acq: 20 Jul 2022 20:34

Tgt Ion:106 Resp: 84636
Ion Ratio Lower Upper
106 100
91 216.1 106.0 318.0

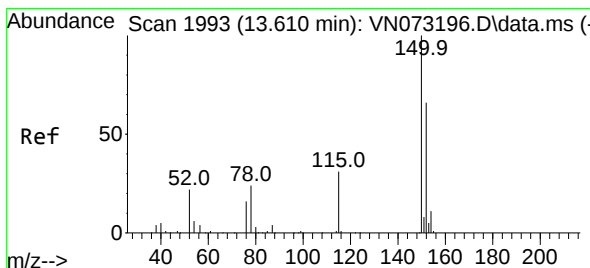
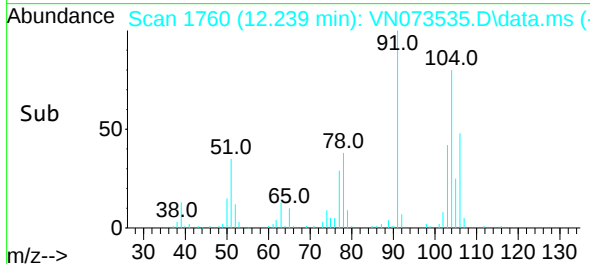
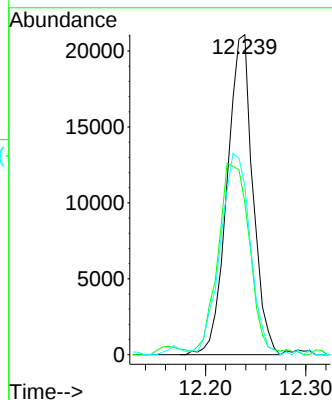
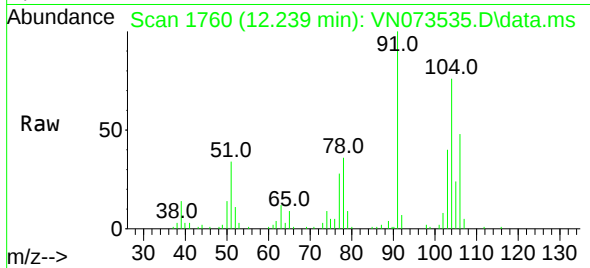




#70
Styrene
Concen: 4.027 ug/l
RT: 12.239 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073535.D
Acq: 20 Jul 2022 20:34

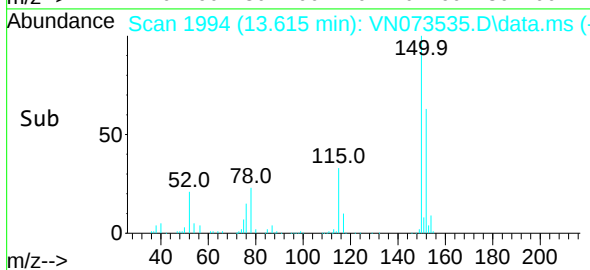
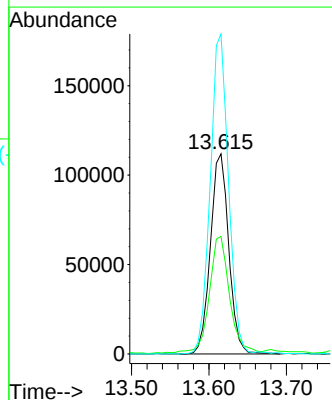
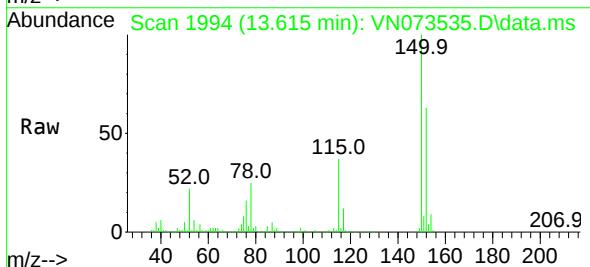
Instrument :
MSVOA_N
ClientSampleId :
070622-A

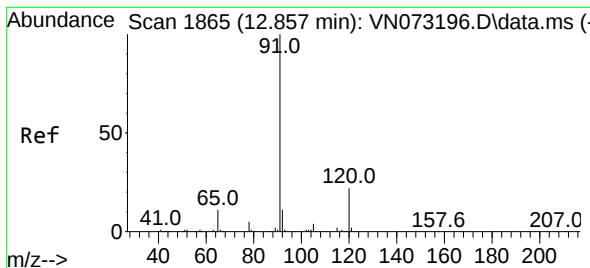
Tgt Ion:104 Resp: 37480
Ion Ratio Lower Upper
104 100
78 74.0 39.5 59.3#
103 73.6 44.0 66.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.005 min
Lab File: VN073535.D
Acq: 20 Jul 2022 20:34

Tgt Ion:152 Resp: 184190
Ion Ratio Lower Upper
152 100
115 65.4 28.9 86.7
150 158.4 0.0 356.2





#78

n-propylbenzene

Concen: 0.965 ug/l

RT: 12.863 min Scan# 1866

Delta R.T. 0.006 min

Lab File: VN073535.D

Acq: 20 Jul 2022 20:34

Instrument :

MSVOA_N

ClientSampleId :

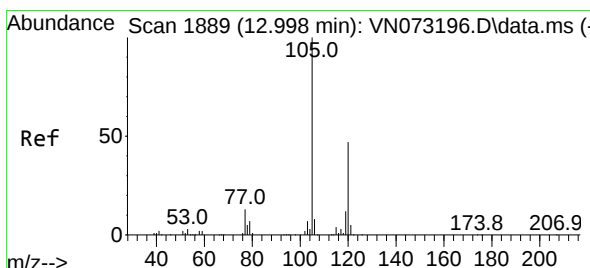
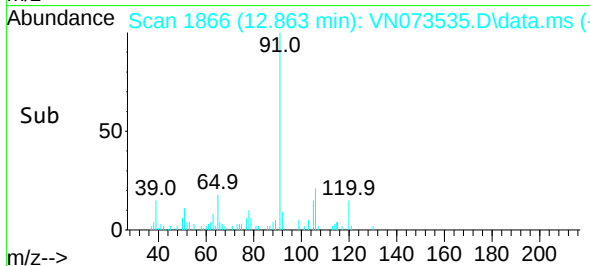
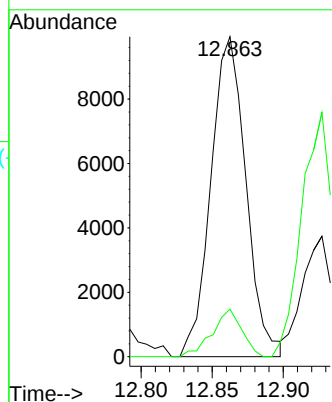
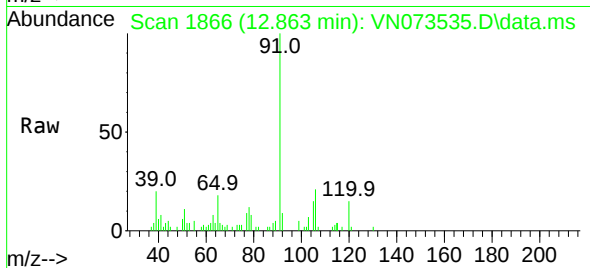
070622-A

Tgt Ion: 91 Resp: 17048

Ion Ratio Lower Upper

91 100

120 12.6 11.9 35.5



#80

1,3,5-Trimethylbenzene

Concen: 3.198 ug/l

RT: 12.998 min Scan# 1889

Delta R.T. -0.000 min

Lab File: VN073535.D

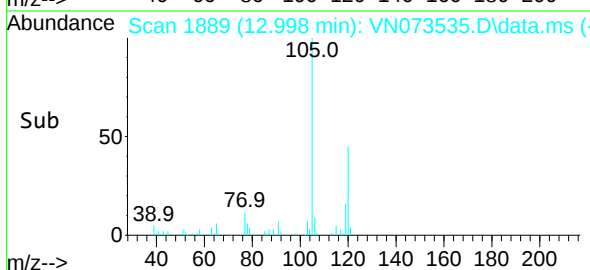
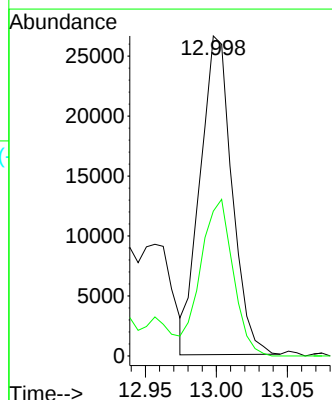
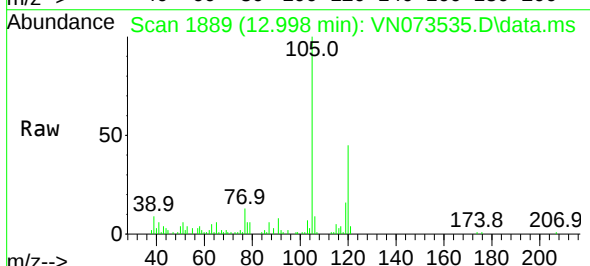
Acq: 20 Jul 2022 20:34

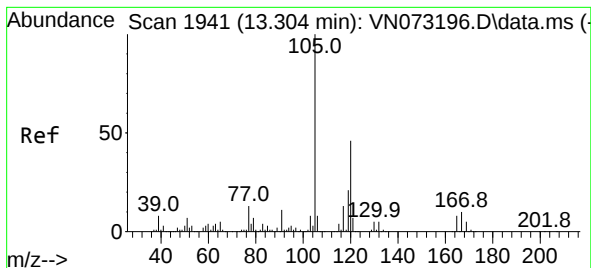
Tgt Ion:105 Resp: 41459

Ion Ratio Lower Upper

105 100

120 50.1 24.9 74.7





#84

1,2,4-Trimethylbenzene

Concen: 11.116 ug/l

RT: 13.310 min Scan# 1942

Delta R.T. 0.006 min

Lab File: VN073535.D

Acq: 20 Jul 2022 20:34

Instrument :

MSVOA_N

ClientSampleId :

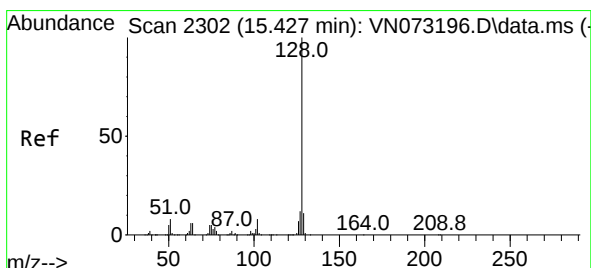
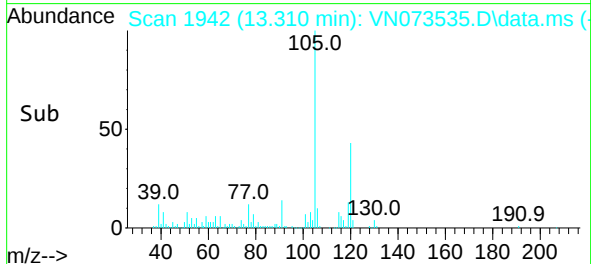
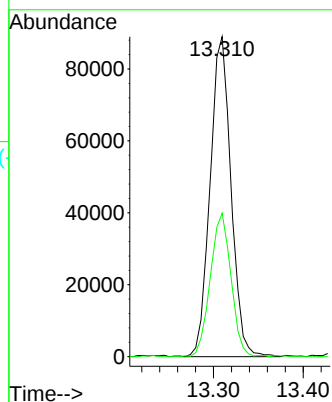
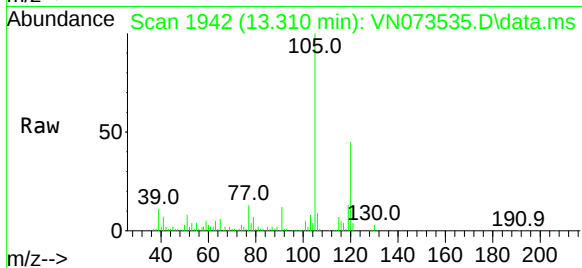
070622-A

Tgt Ion:105 Resp: 143882

Ion Ratio Lower Upper

105 100

120 44.4 23.3 69.8



#95

Naphthalene

Concen: 300.801 ug/l

RT: 15.433 min Scan# 2303

Delta R.T. 0.006 min

Lab File: VN073535.D

Acq: 20 Jul 2022 20:34

Tgt Ion:128 Resp: 4270088

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

129 10.9 8.6 13.0

