

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072022\
 Data File : VN073539.D
 Acq On : 20 Jul 2022 22:13
 Operator : JC\MD
 Sample : N3779-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 070622-E

Quant Time: Jul 21 08:27:42 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)

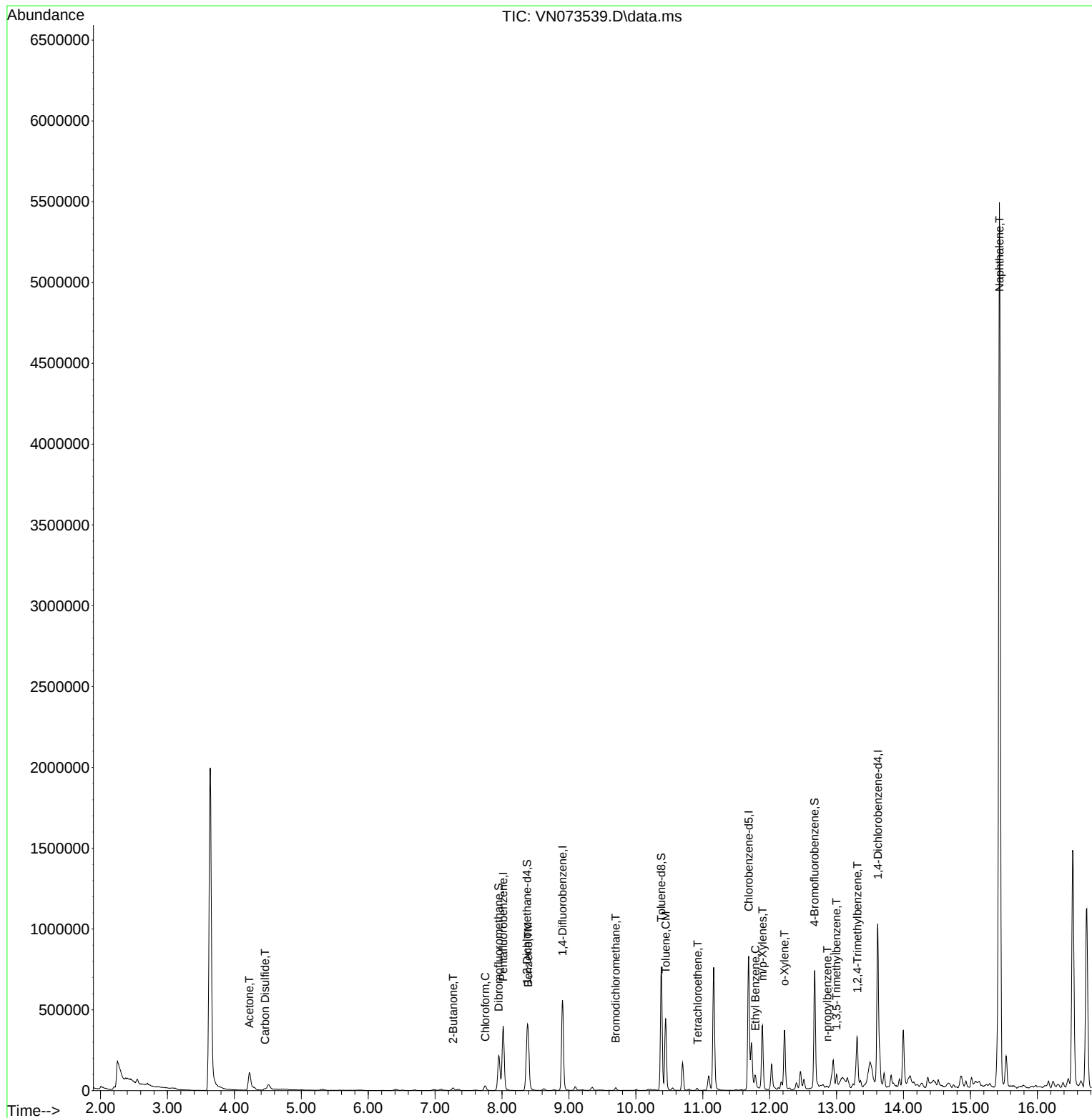
Internal Standards						
1) Pentafluorobenzene	8.016	168	297854	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	487849	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	465244	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	261306	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	185246	43.082	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	86.160%
35) Dibromofluoromethane	7.951	113	157432	48.504	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.000%
50) Toluene-d8	10.381	98	522905	45.361	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	90.720%
62) 4-Bromofluorobenzene	12.669	95	241706	54.560	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	109.120%
Target Compounds						
					Qvalue	
16) Acetone	4.222	43	204440	84.704	ug/l	96
17) Carbon Disulfide	4.457	76	24347	2.678	ug/l #	90
25) 2-Butanone	7.269	43	26514	6.900	ug/l #	73
30) Chloroform	7.751	83	28439	3.959	ug/l	93
40) Benzene	8.392	78	287382	18.646	ug/l	100
47) Bromodichloromethane	9.698	83	11438	2.214	ug/l	92
52) Toluene	10.445	92	192760	20.237	ug/l	99
64) Tetrachloroethene	10.922	164	2549	0.671	ug/l #	84
67) Ethyl Benzene	11.786	91	49788	2.606	ug/l	99
68) m/p-Xylenes	11.892	106	122828	17.037	ug/l	99
69) o-Xylene	12.222	106	88975	12.090	ug/l	94
78) n-propylbenzene	12.863	91	9353	0.373	ug/l	97
80) 1,3,5-Trimethylbenzene	12.998	105	41683	2.266	ug/l	97
84) 1,2,4-Trimethylbenzene	13.310	105	154579	8.418	ug/l	94
95) Naphthalene	15.433	128	4793805	238.034	ug/l	99

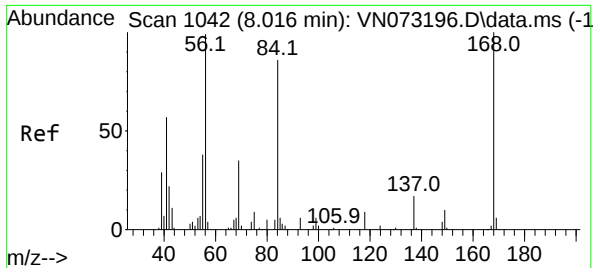
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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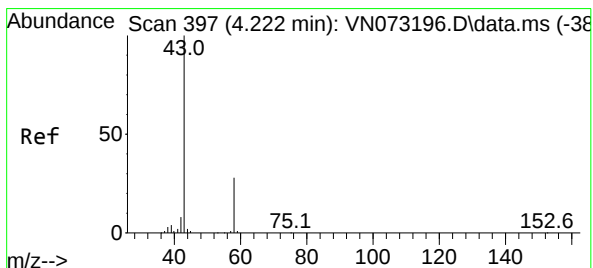
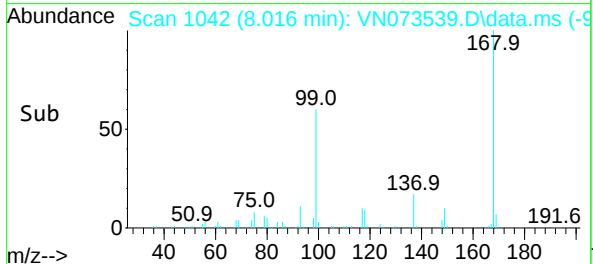
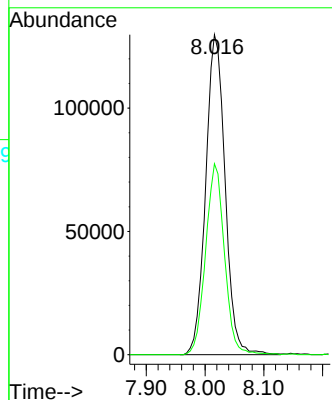
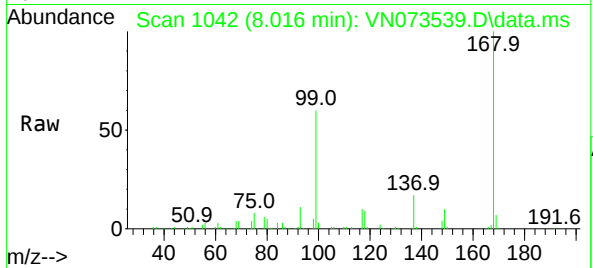




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073539.D
Acq: 20 Jul 2022 22:13

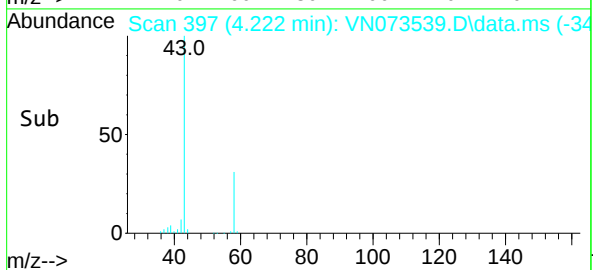
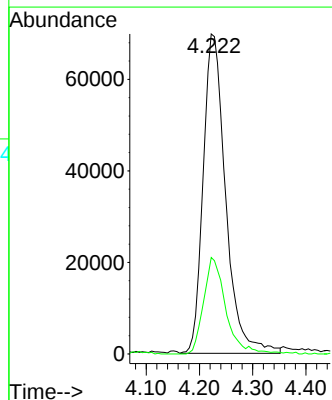
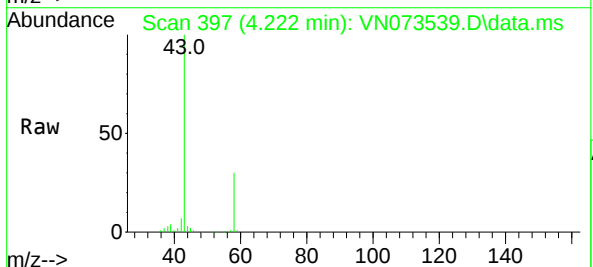
Instrument :
MSVOA_N
ClientSampleId :
070622-E

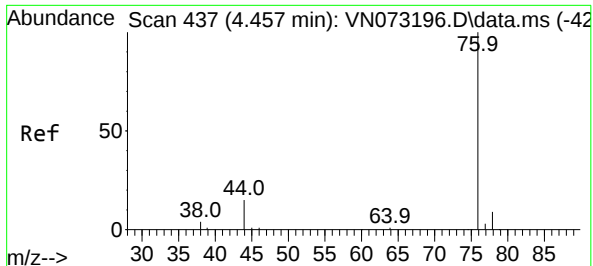
Tgt Ion:168 Resp: 297854
Ion Ratio Lower Upper
168 100
99 59.7 42.3 63.5



#16
Acetone
Concen: 84.704 ug/l
RT: 4.222 min Scan# 397
Delta R.T. 0.000 min
Lab File: VN073539.D
Acq: 20 Jul 2022 22:13

Tgt Ion: 43 Resp: 204440
Ion Ratio Lower Upper
43 100
58 30.2 26.0 39.0

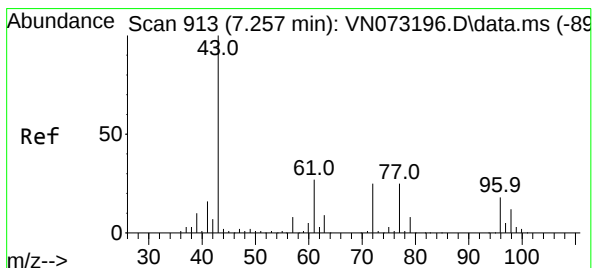
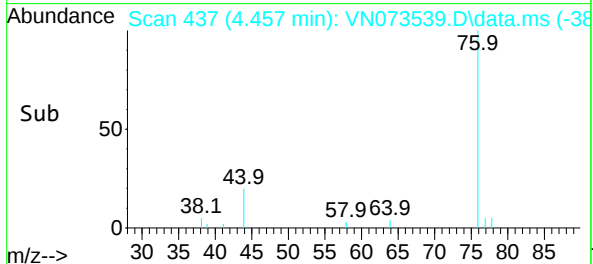
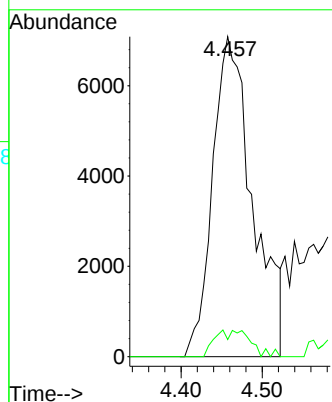
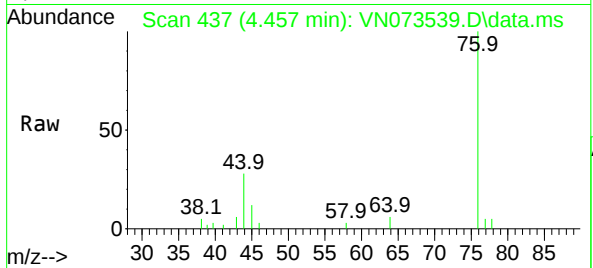




#17
Carbon Disulfide
Concen: 2.678 ug/l
RT: 4.457 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN073539.D
Acq: 20 Jul 2022 22:13

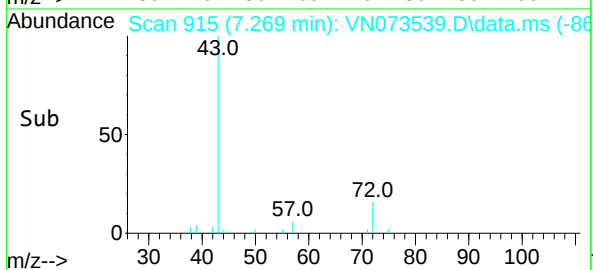
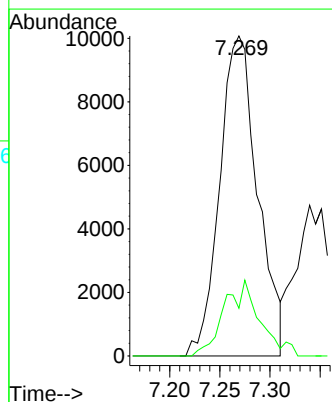
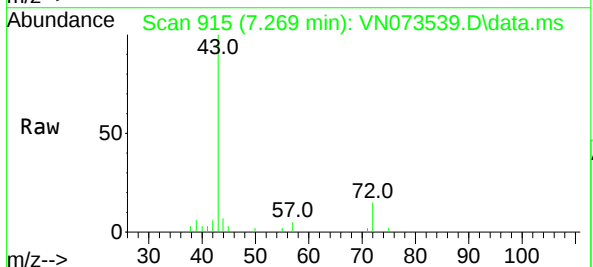
Instrument :
MSVOA_N
ClientSampleId :
070622-E

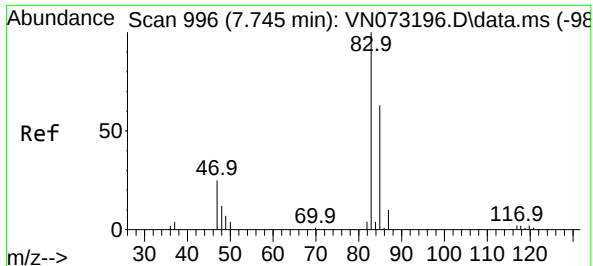
Tgt Ion: 76 Resp: 24347
Ion Ratio Lower Upper
76 100
78 5.4 7.2 10.8#



#25
2-Butanone
Concen: 6.900 ug/l
RT: 7.269 min Scan# 915
Delta R.T. 0.012 min
Lab File: VN073539.D
Acq: 20 Jul 2022 22:13

Tgt Ion: 43 Resp: 26514
Ion Ratio Lower Upper
43 100
72 14.9 23.7 35.5#

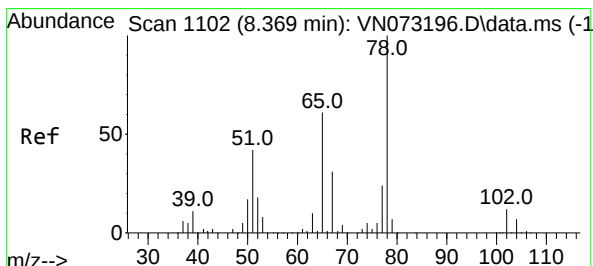
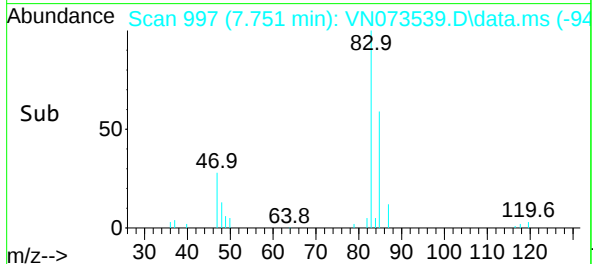
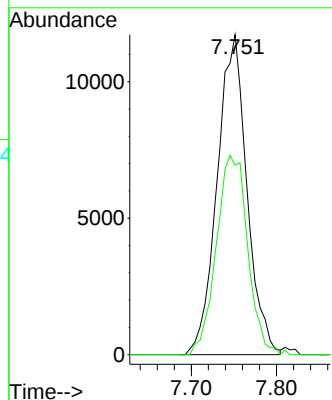
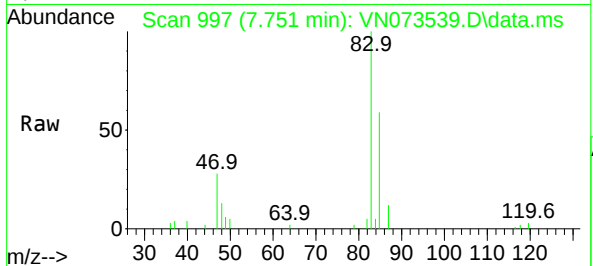




#30
Chloroform
Concen: 3.959 ug/l
RT: 7.751 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN073539.D
Acq: 20 Jul 2022 22:13

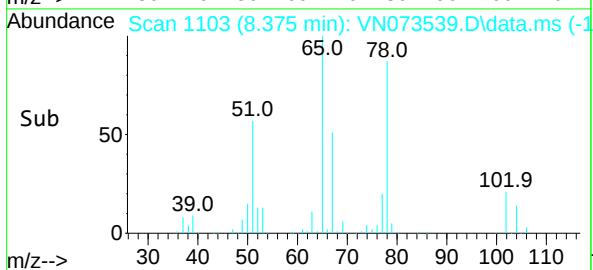
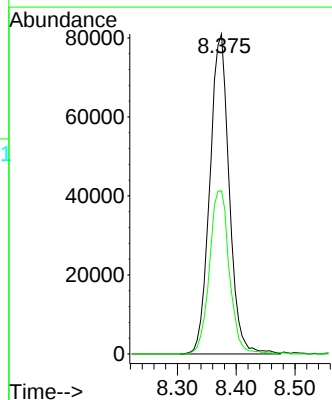
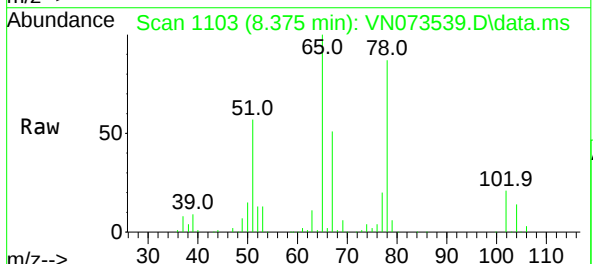
Instrument :
MSVOA_N
ClientSampleId :
070622-E

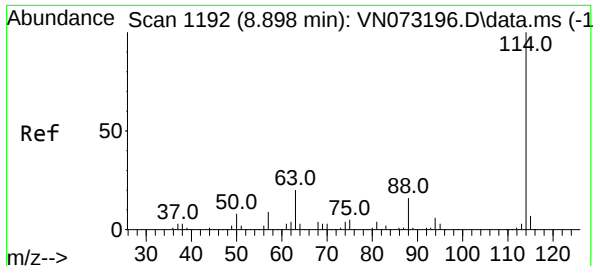
Tgt Ion: 83 Resp: 28439
Ion Ratio Lower Upper
83 100
85 59.2 51.8 77.8



#33
1,2-Dichloroethane-d4
Concen: 43.082 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN073539.D
Acq: 20 Jul 2022 22:13

Tgt Ion: 65 Resp: 185246
Ion Ratio Lower Upper
65 100
67 52.4 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: VN073539.D

Acq: 20 Jul 2022 22:13

Instrument :

MSVOA_N

ClientSampleId :

070622-E

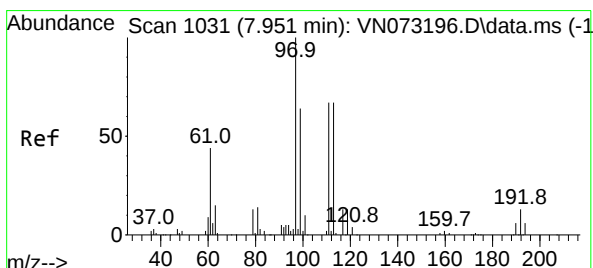
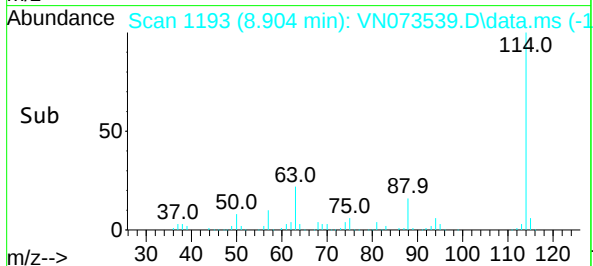
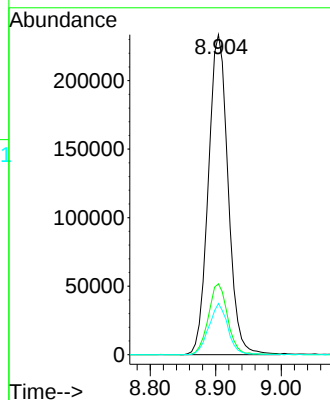
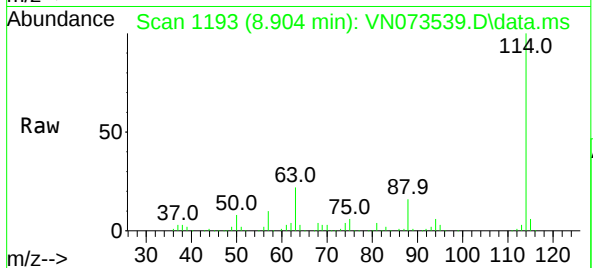
Tgt Ion:114 Resp: 487849

Ion Ratio Lower Upper

114 100

63 22.1 0.0 40.0

88 16.0 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.504 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073539.D

Acq: 20 Jul 2022 22:13

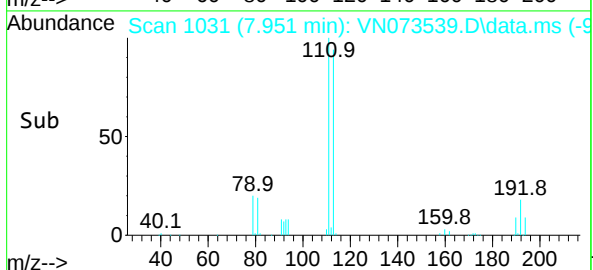
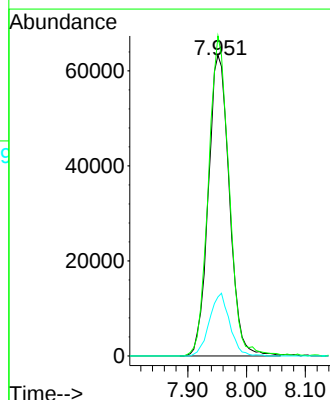
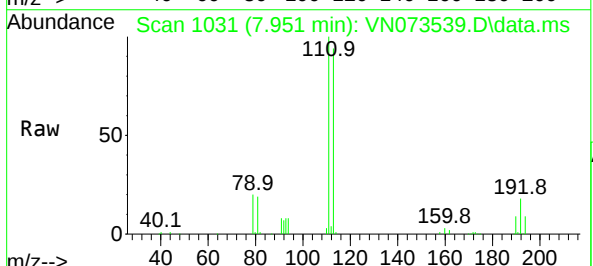
Tgt Ion:113 Resp: 157432

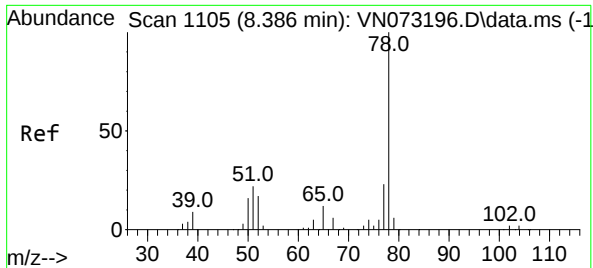
Ion Ratio Lower Upper

113 100

111 104.2 81.4 122.0

192 20.1 17.0 25.6

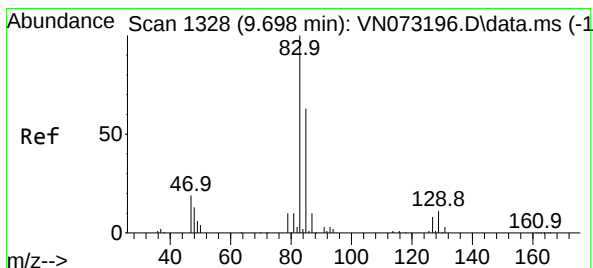
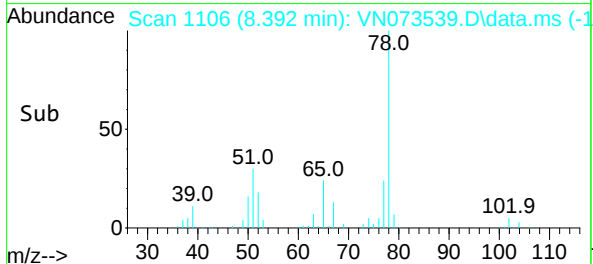
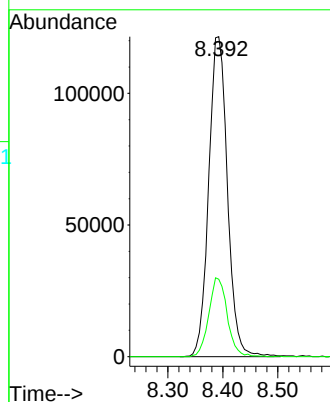
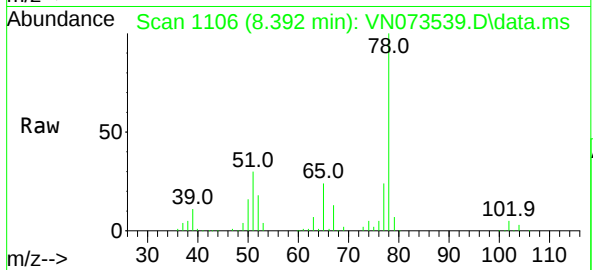




#40
Benzene
Concen: 18.646 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VN073539.D
Acq: 20 Jul 2022 22:13

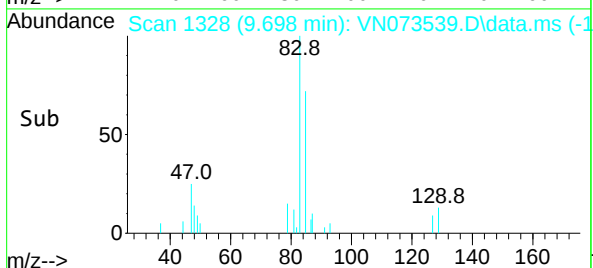
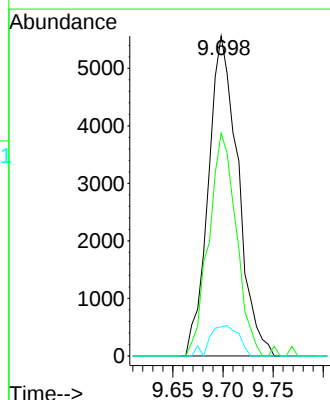
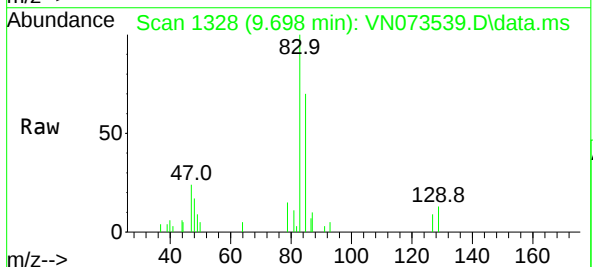
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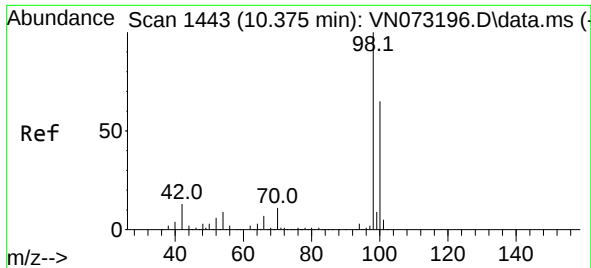
Tgt Ion: 78 Resp: 287382
Ion Ratio Lower Upper
78 100
77 24.2 19.4 29.0



#47
Bromodichloromethane
Concen: 2.214 ug/l
RT: 9.698 min Scan# 1328
Delta R.T. 0.000 min
Lab File: VN073539.D
Acq: 20 Jul 2022 22:13

Tgt Ion: 83 Resp: 11438
Ion Ratio Lower Upper
83 100
85 69.6 50.5 75.7
127 9.1 6.8 10.2

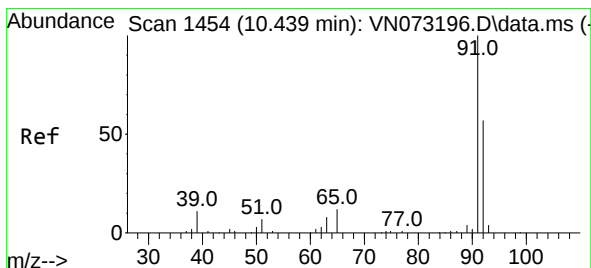
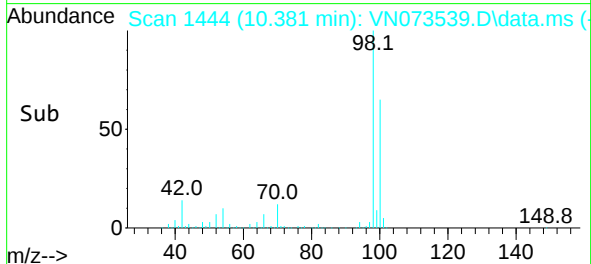
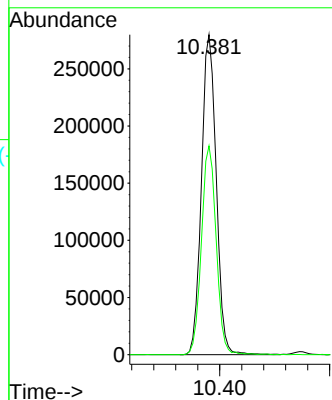
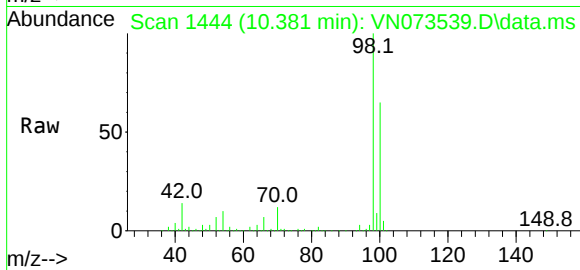




#50
Toluene-d8
Concen: 45.361 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN073539.D
Acq: 20 Jul 2022 22:13

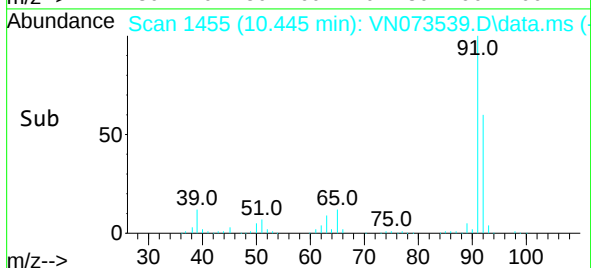
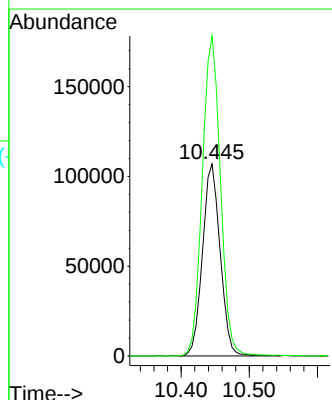
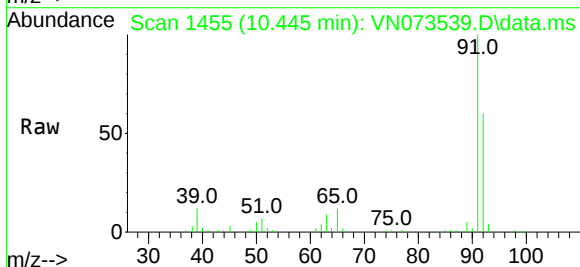
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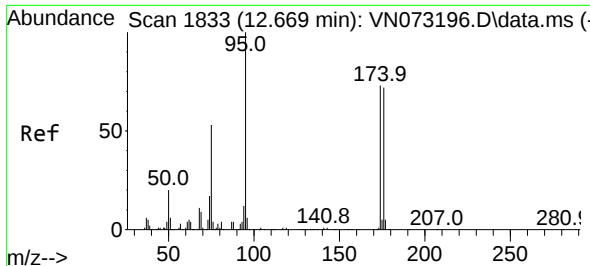
Tgt Ion: 98 Resp: 522905
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8



#52
Toluene
Concen: 20.237 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.006 min
Lab File: VN073539.D
Acq: 20 Jul 2022 22:13

Tgt Ion: 92 Resp: 192760
Ion Ratio Lower Upper
92 100
91 171.6 138.6 207.8

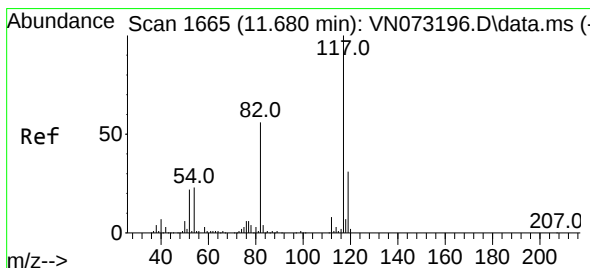
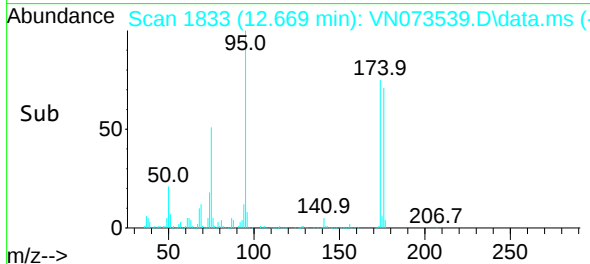
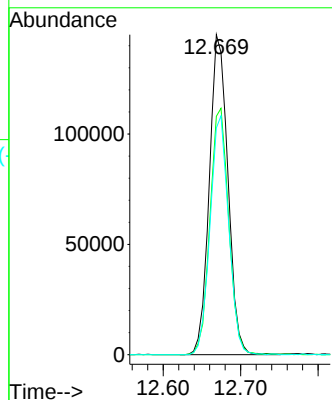
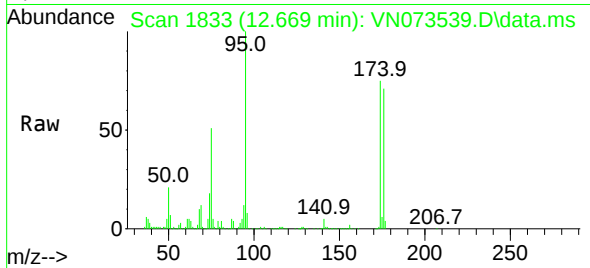




#62
4-Bromofluorobenzene
Concen: 54.560 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN073539.D
Acq: 20 Jul 2022 22:13

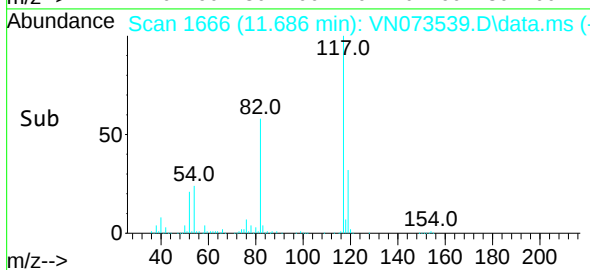
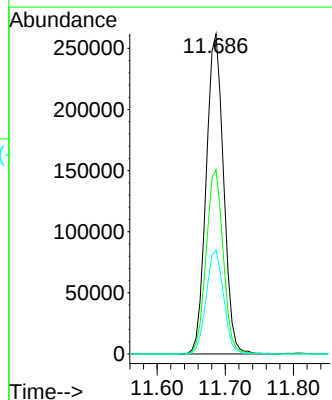
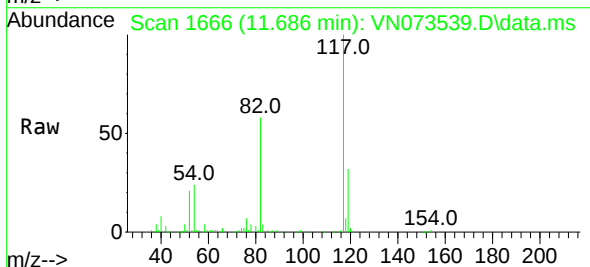
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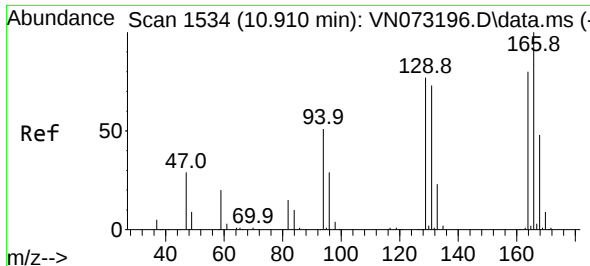
Tgt Ion: 95 Resp: 241706
Ion Ratio Lower Upper
95 100
174 77.8 0.0 167.6
176 74.5 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VN073539.D
Acq: 20 Jul 2022 22:13

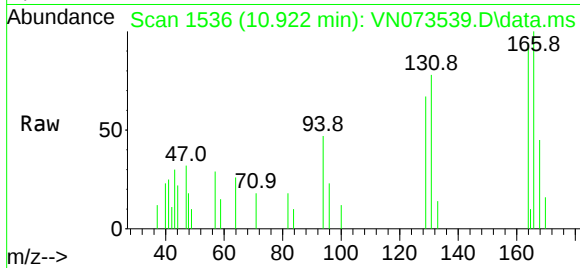
Tgt Ion: 117 Resp: 465244
Ion Ratio Lower Upper
117 100
82 57.6 44.2 66.2
119 32.5 25.4 38.0



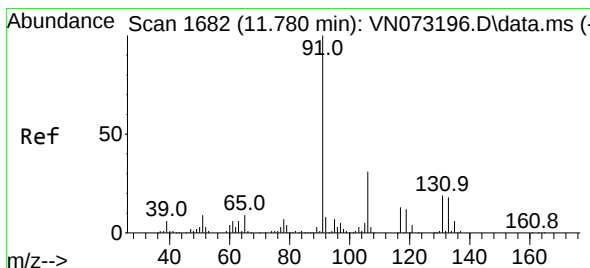
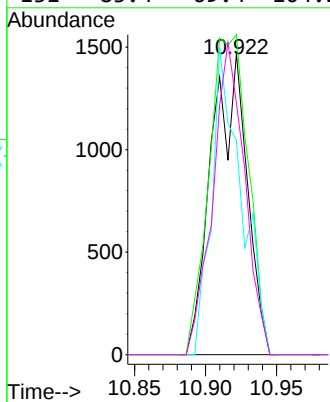
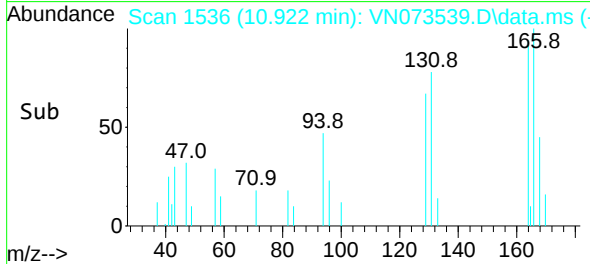


#64
Tetrachloroethene
Concen: 0.671 ug/l
RT: 10.922 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN073539.D
Acq: 20 Jul 2022 22:13

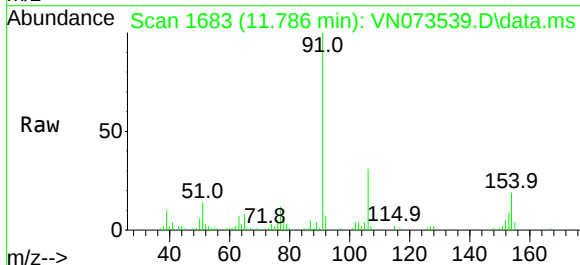
Instrument :
MSVOA_N
ClientSampleId :
070622-E



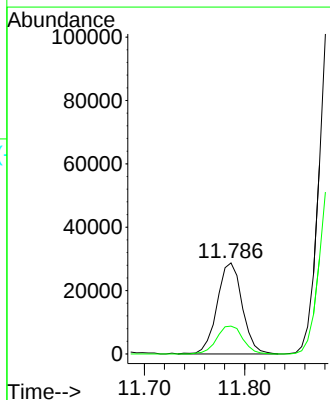
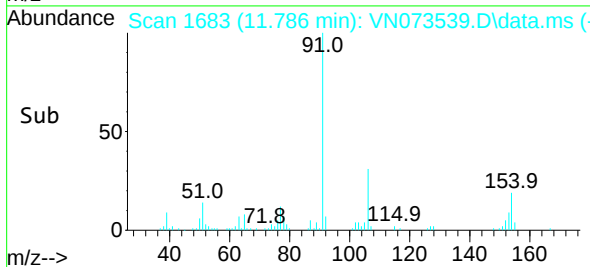
Tgt Ion:164 Resp: 2549
Ion Ratio Lower Upper
164 100
166 106.3 104.2 156.2
129 71.1 73.9 110.9#
131 83.4 69.4 104.2

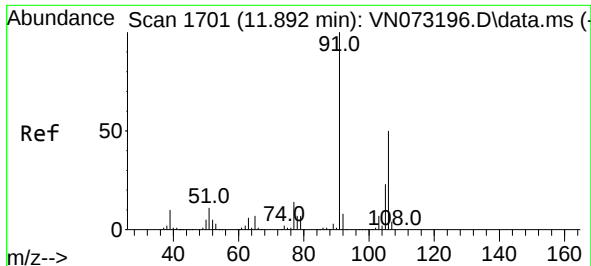


#67
Ethyl Benzene
Concen: 2.606 ug/l
RT: 11.786 min Scan# 1683
Delta R.T. 0.006 min
Lab File: VN073539.D
Acq: 20 Jul 2022 22:13



Tgt Ion: 91 Resp: 49788
Ion Ratio Lower Upper
91 100
106 30.6 24.9 37.3

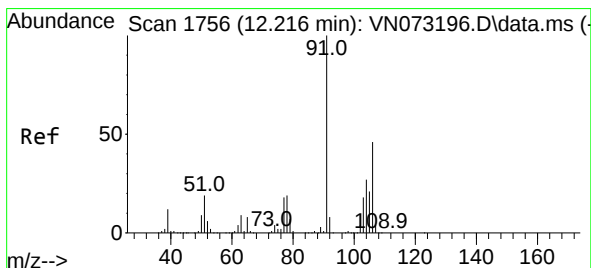
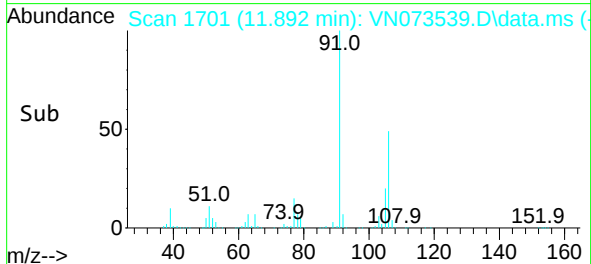
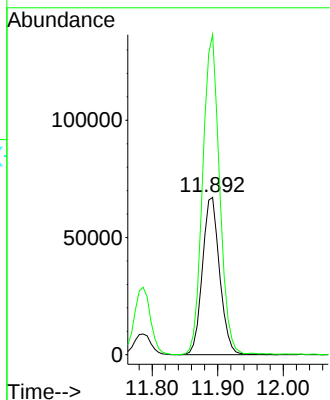
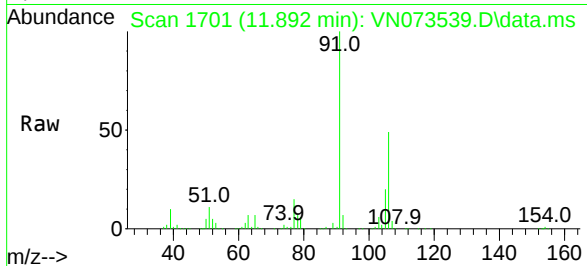




#68
m/p-Xylenes
Concen: 17.037 ug/l
RT: 11.892 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073539.D
Acq: 20 Jul 2022 22:13

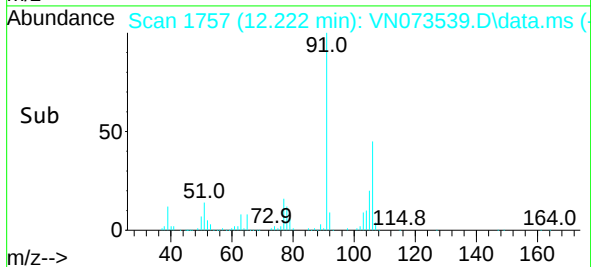
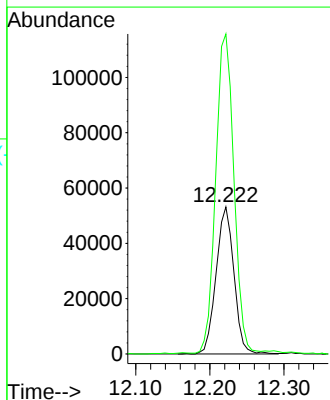
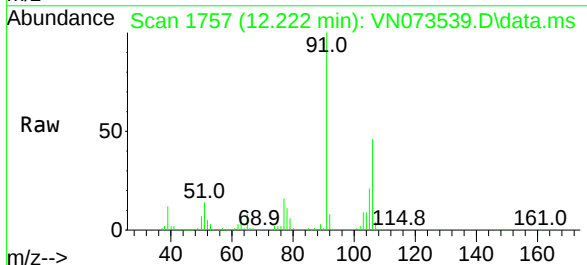
Instrument :
MSVOA_N
ClientSampleId :
070622-E

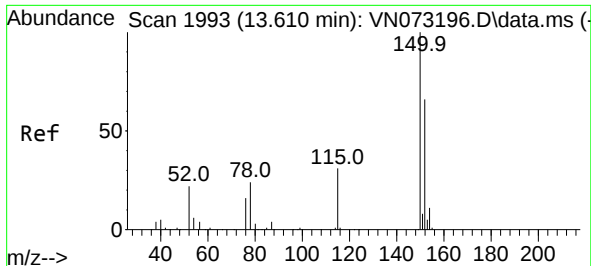
Tgt Ion:106 Resp: 122828
Ion Ratio Lower Upper
106 100
91 199.5 158.9 238.3



#69
o-Xylene
Concen: 12.090 ug/l
RT: 12.222 min Scan# 1757
Delta R.T. 0.006 min
Lab File: VN073539.D
Acq: 20 Jul 2022 22:13

Tgt Ion:106 Resp: 88975
Ion Ratio Lower Upper
106 100
91 220.8 106.0 318.0

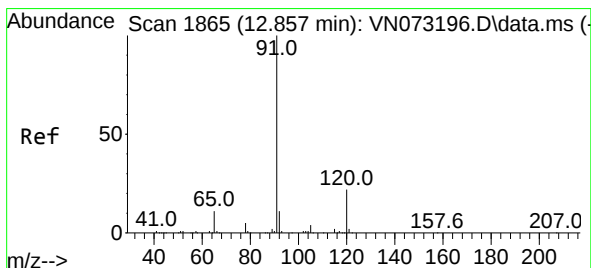
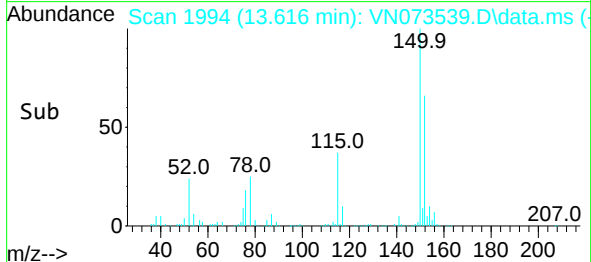
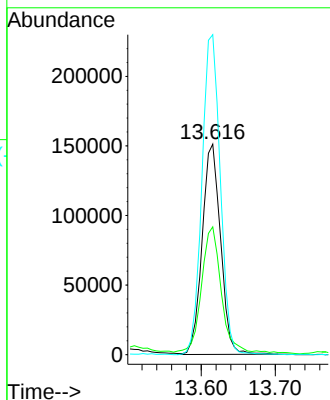
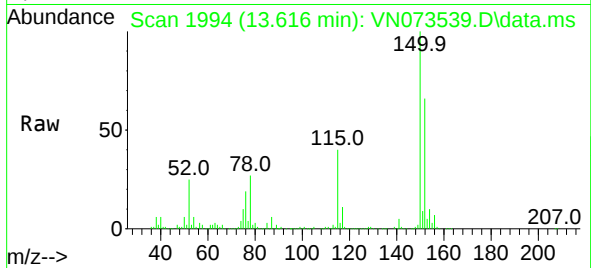




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1993
Delta R.T. 0.006 min
Lab File: VN073539.D
Acq: 20 Jul 2022 22:13

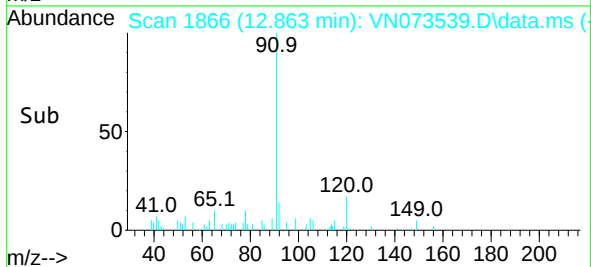
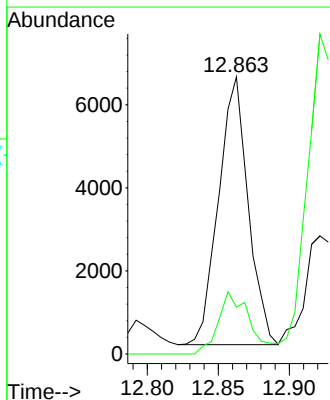
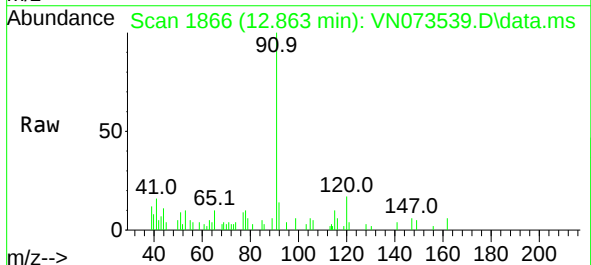
Instrument :
MSVOA_N
ClientSampleId :
070622-E

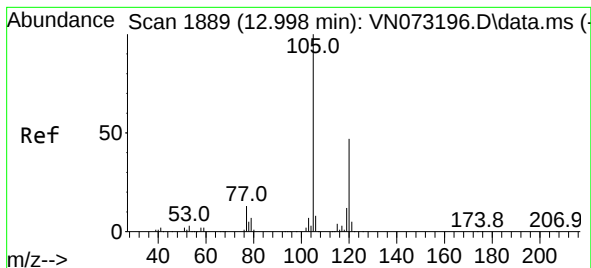
Tgt Ion:152 Resp: 261306
Ion Ratio Lower Upper
152 100
115 62.2 28.9 86.7
150 151.8 0.0 356.2



#78
n-propylbenzene
Concen: 0.373 ug/l
RT: 12.863 min Scan# 1866
Delta R.T. 0.006 min
Lab File: VN073539.D
Acq: 20 Jul 2022 22:13

Tgt Ion: 91 Resp: 9353
Ion Ratio Lower Upper
91 100
120 25.0 11.9 35.5





#80

1,3,5-Trimethylbenzene

Concen: 2.266 ug/l

RT: 12.998 min Scan# 1889

Delta R.T. -0.000 min

Lab File: VN073539.D

Acq: 20 Jul 2022 22:13

Instrument :

MSVOA_N

ClientSampleId :

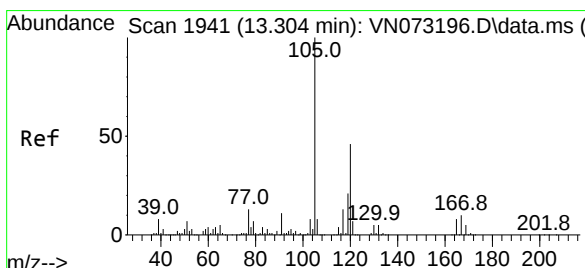
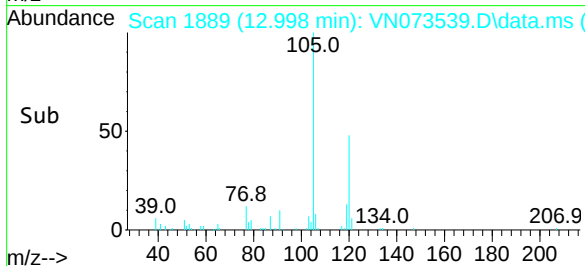
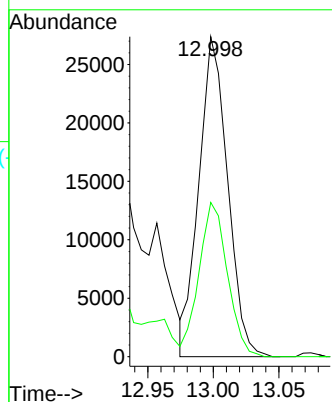
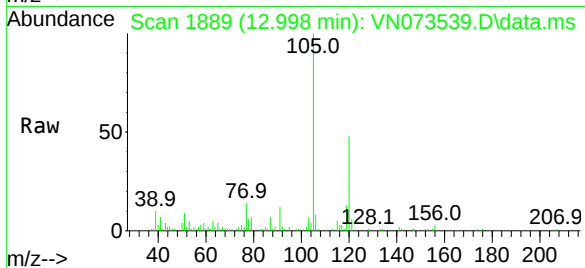
070622-E

Tgt Ion:105 Resp: 41683

Ion Ratio Lower Upper

105 100

120 47.8 24.9 74.7



#84

1,2,4-Trimethylbenzene

Concen: 8.418 ug/l

RT: 13.310 min Scan# 1942

Delta R.T. 0.006 min

Lab File: VN073539.D

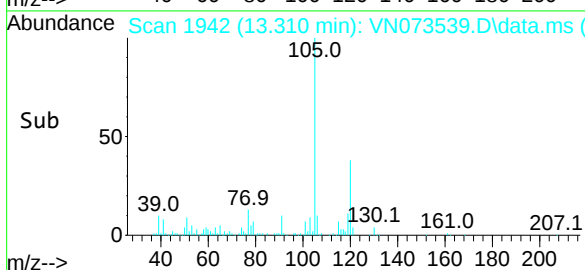
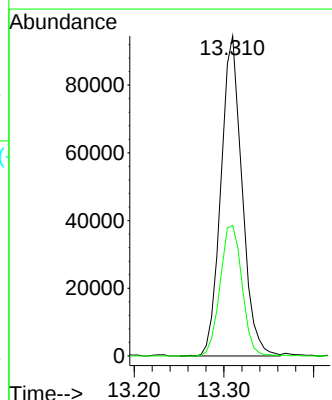
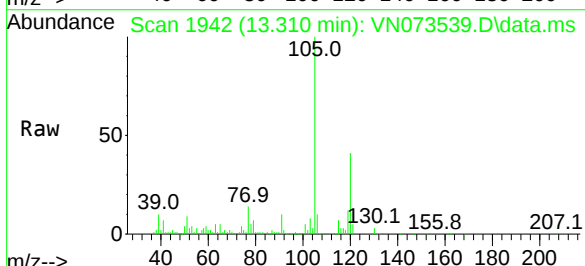
Acq: 20 Jul 2022 22:13

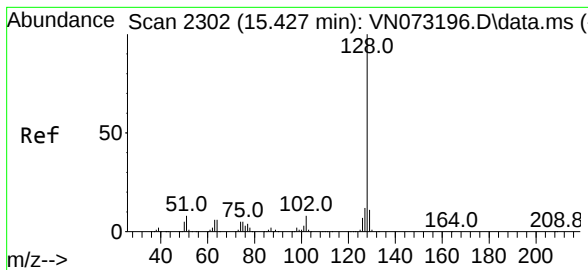
Tgt Ion:105 Resp: 154579

Ion Ratio Lower Upper

105 100

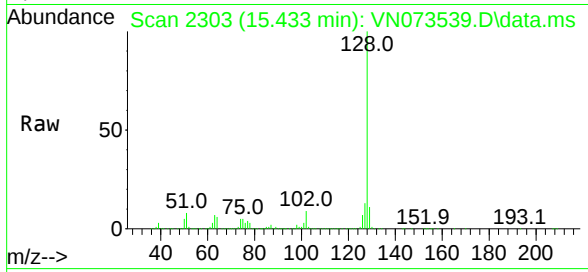
120 42.3 23.3 69.8





#95
Naphthalene
Concen: 238.034 ug/l
RT: 15.433 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN073539.D
Acq: 20 Jul 2022 22:13

Instrument :
MSVOA_N
ClientSampleId :
070622-E



Tgt Ion:128 Resp: 4793805
Ion Ratio Lower Upper
128 100
127 13.3 10.3 15.5
129 10.9 8.6 13.0

