

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072022\
 Data File : VN073540.D
 Acq On : 20 Jul 2022 22:37
 Operator : JC\MD
 Sample : N3779-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 070622-F

Quant Time: Jul 21 08:27:57 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	319114	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	514724	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	489367	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	257026	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	193736	42.055	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	84.100%
35) Dibromofluoromethane	7.951	113	159404	46.548	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.100%
50) Toluene-d8	10.380	98	556351	45.742	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.480%
62) 4-Bromofluorobenzene	12.674	95	243716	52.142	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.280%

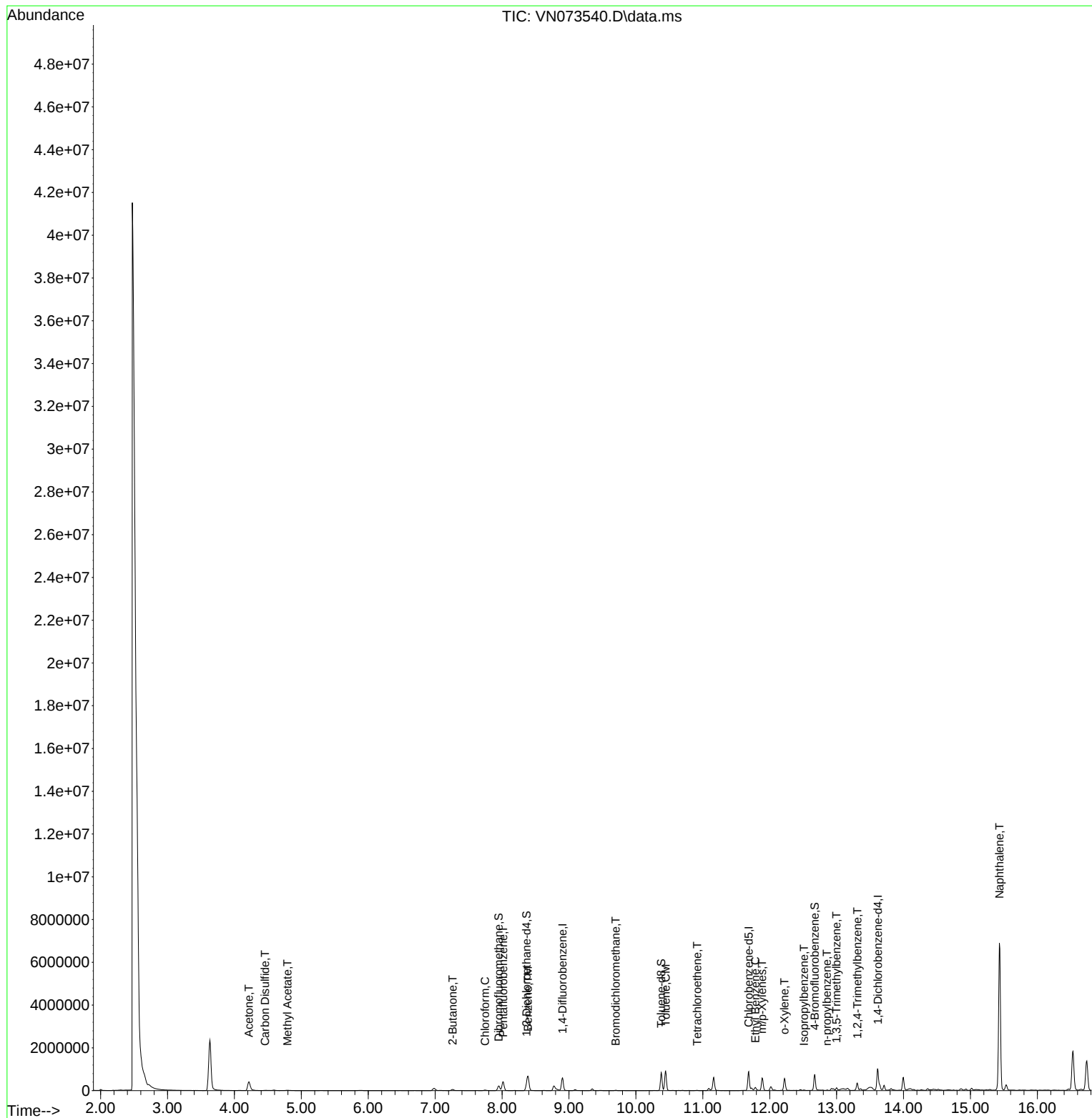
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.216	43	765445	296.012	ug/l	93
17) Carbon Disulfide	4.457	76	27510	2.824	ug/l	95
18) Methyl Acetate	4.793	43	51123	7.055	ug/l	90
25) 2-Butanone	7.263	43	92183	22.391	ug/l	92
30) Chloroform	7.745	83	27141	3.526	ug/l	98
40) Benzene	8.386	78	574103	35.303	ug/l	98
47) Bromodichloromethane	9.698	83	12468	2.287	ug/l	92
52) Toluene	10.445	92	348058	34.633	ug/l	99
64) Tetrachloroethene	10.916	164	2343	0.586	ug/l	85
67) Ethyl Benzene	11.786	91	86101	4.285	ug/l	96
68) m/p-Xylenes	11.886	106	183158	24.153	ug/l	98
69) o-Xylene	12.222	106	138680	17.914	ug/l	98
73) Isopropylbenzene	12.516	105	6488	0.292	ug/l	98
78) n-propylbenzene	12.857	91	16625	0.674	ug/l	91
80) 1,3,5-Trimethylbenzene	12.998	105	59007	3.262	ug/l	100
84) 1,2,4-Trimethylbenzene	13.310	105	190786	10.563	ug/l	98
95) Naphthalene	15.433	128	6165121	311.223	ug/l	99

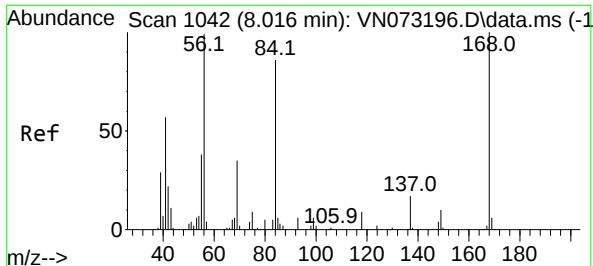
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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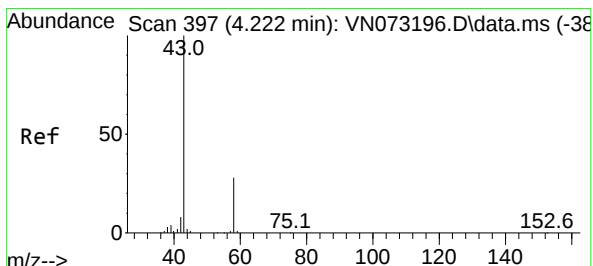
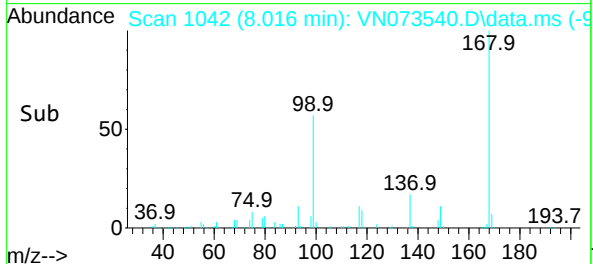
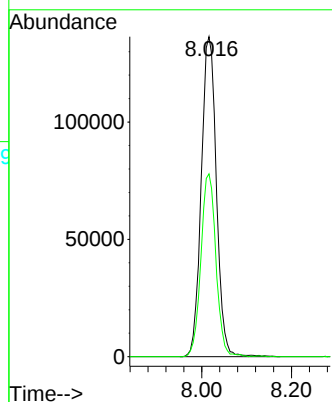
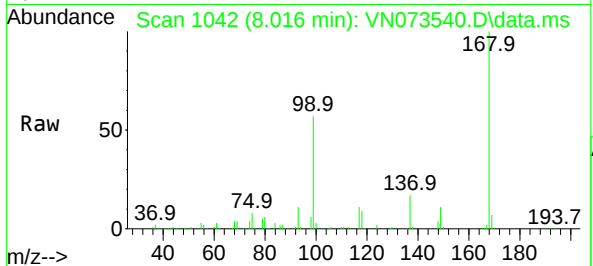




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073540.D
Acq: 20 Jul 2022 22:37

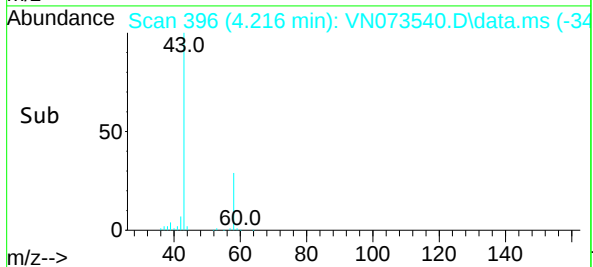
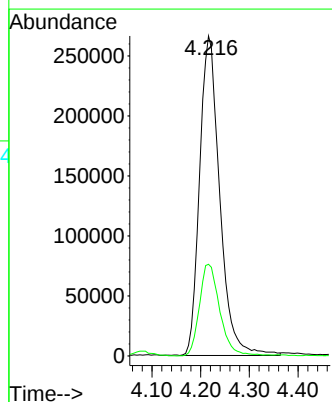
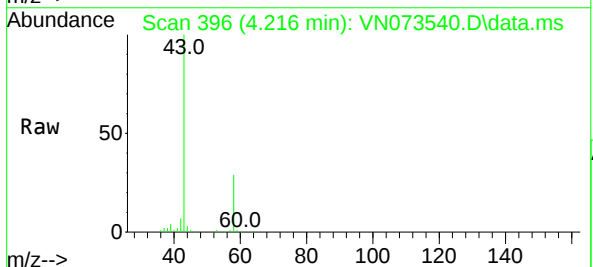
Instrument :
MSVOA_N
ClientSampleId :
070622-F

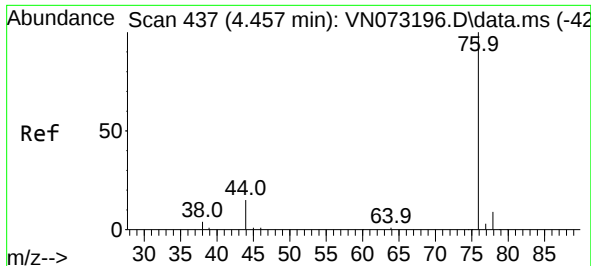
Tgt Ion:168 Resp: 319114
Ion Ratio Lower Upper
168 100
99 57.1 42.3 63.5



#16
Acetone
Concen: 296.012 ug/l
RT: 4.216 min Scan# 396
Delta R.T. -0.006 min
Lab File: VN073540.D
Acq: 20 Jul 2022 22:37

Tgt Ion: 43 Resp: 765445
Ion Ratio Lower Upper
43 100
58 28.7 26.0 39.0

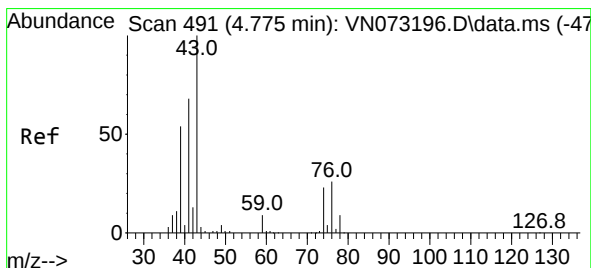
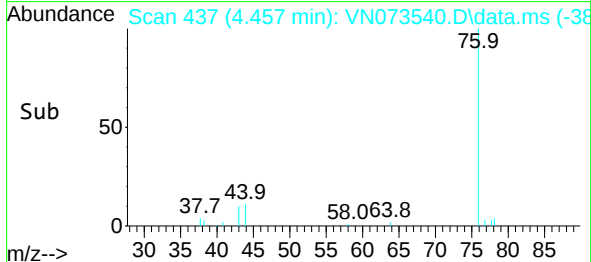
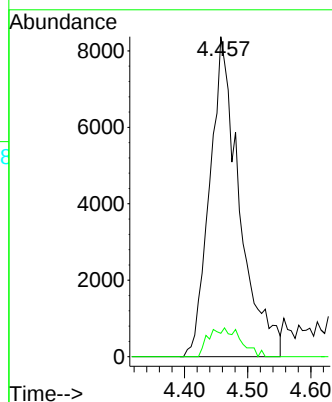
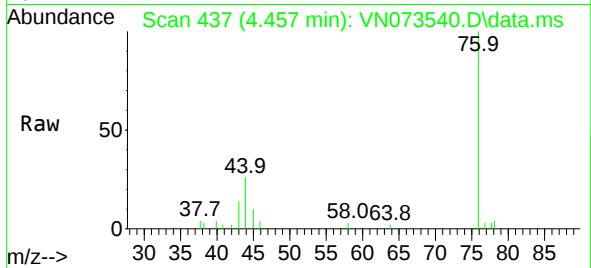




#17
Carbon Disulfide
Concen: 2.824 ug/l
RT: 4.457 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN073540.D
Acq: 20 Jul 2022 22:37

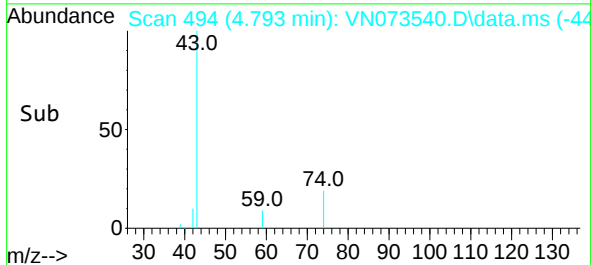
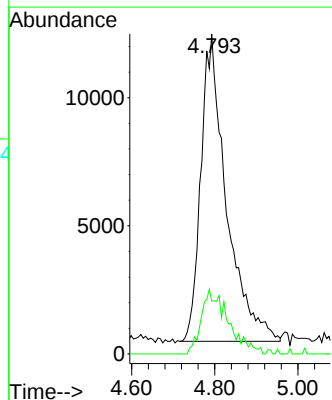
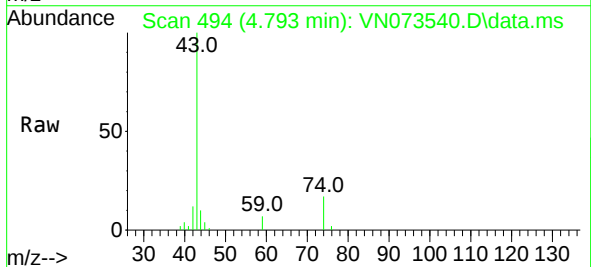
Instrument :
MSVOA_N
ClientSampleId :
070622-F

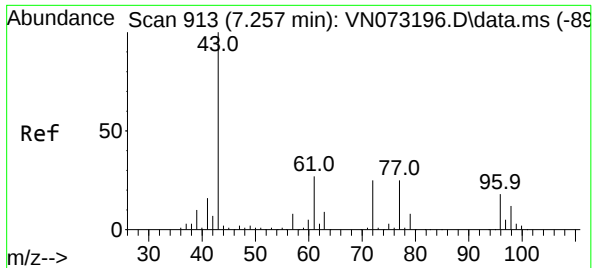
Tgt Ion: 76 Resp: 27510
Ion Ratio Lower Upper
76 100
78 7.3 7.2 10.8



#18
Methyl Acetate
Concen: 7.055 ug/l
RT: 4.793 min Scan# 494
Delta R.T. 0.018 min
Lab File: VN073540.D
Acq: 20 Jul 2022 22:37

Tgt Ion: 43 Resp: 51123
Ion Ratio Lower Upper
43 100
74 22.1 21.6 32.4

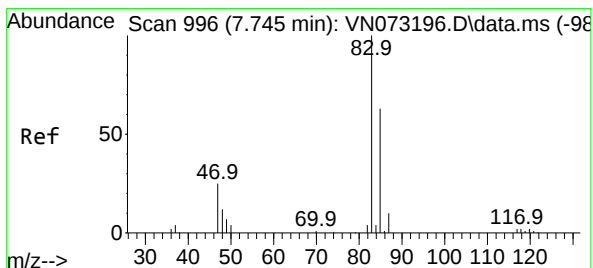
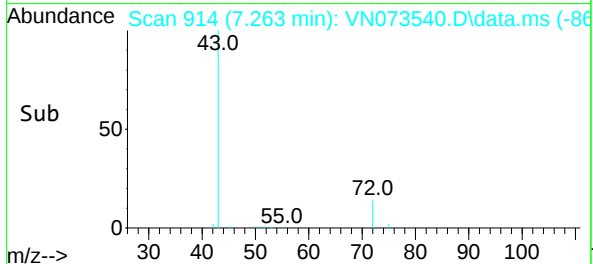
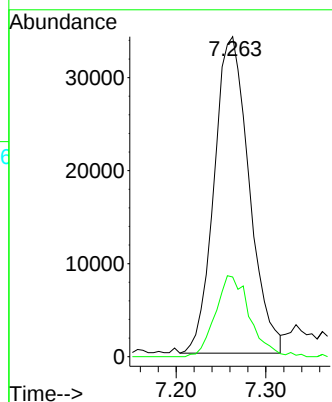
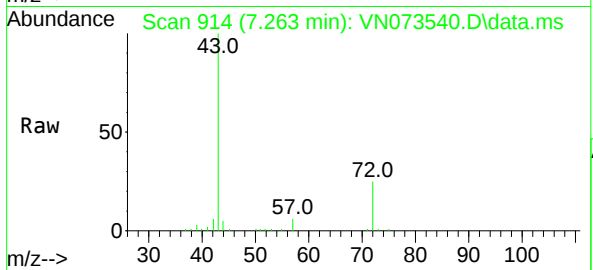




#25
2-Butanone
Concen: 22.391 ug/l
RT: 7.263 min Scan# 913
Delta R.T. 0.006 min
Lab File: VN073540.D
Acq: 20 Jul 2022 22:37

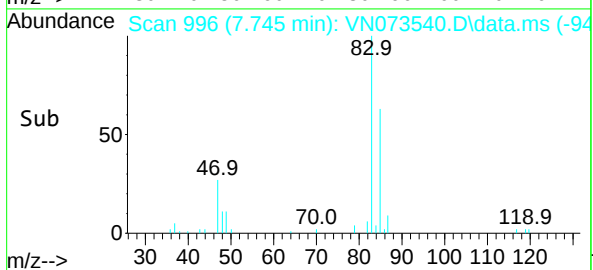
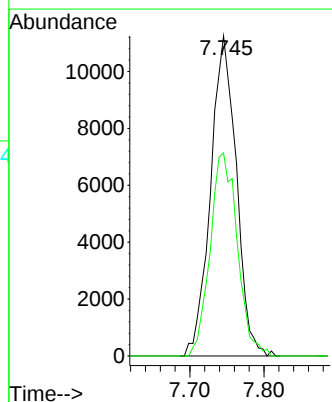
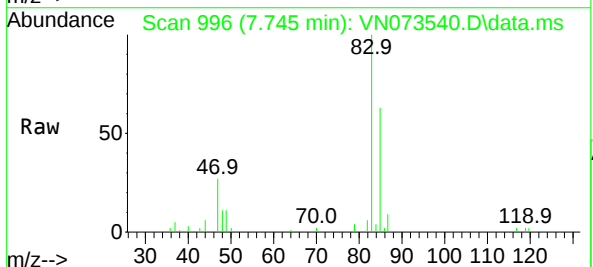
Instrument :
MSVOA_N
ClientSampleId :
070622-F

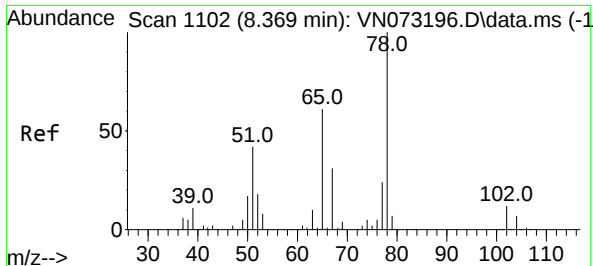
Tgt Ion: 43 Resp: 92183
Ion Ratio Lower Upper
43 100
72 25.2 23.7 35.5



#30
Chloroform
Concen: 3.526 ug/l
RT: 7.745 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN073540.D
Acq: 20 Jul 2022 22:37

Tgt Ion: 83 Resp: 27141
Ion Ratio Lower Upper
83 100
85 63.4 51.8 77.8





#33

1,2-Dichloroethane-d4

Concen: 42.055 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073540.D

Acq: 20 Jul 2022 22:37

Instrument :

MSVOA_N

ClientSampleId :

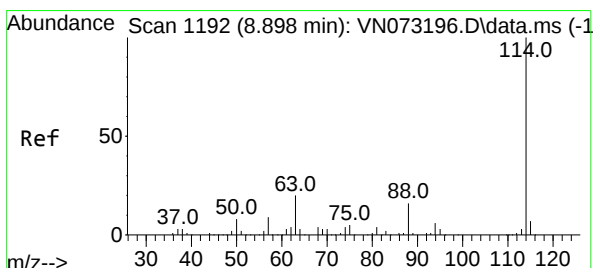
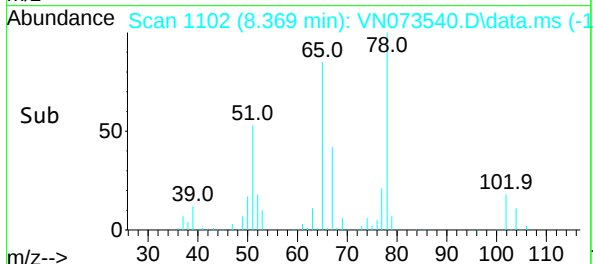
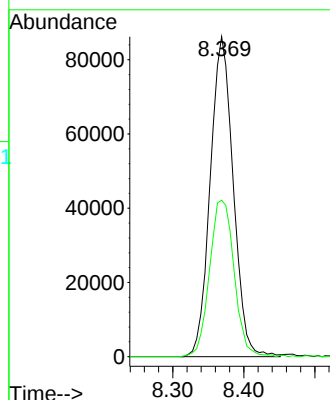
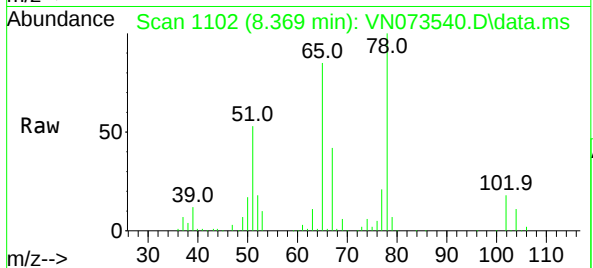
070622-F

Tgt Ion: 65 Resp: 193736

Ion Ratio Lower Upper

65 100

67 52.1 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: VN073540.D

Acq: 20 Jul 2022 22:37

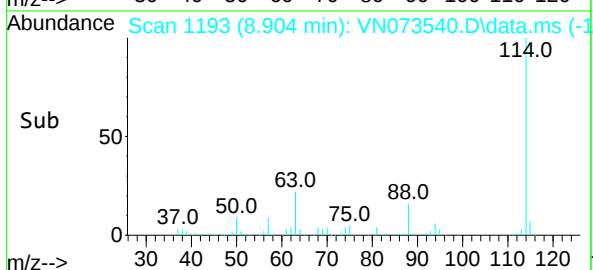
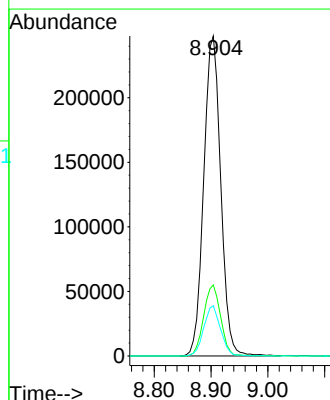
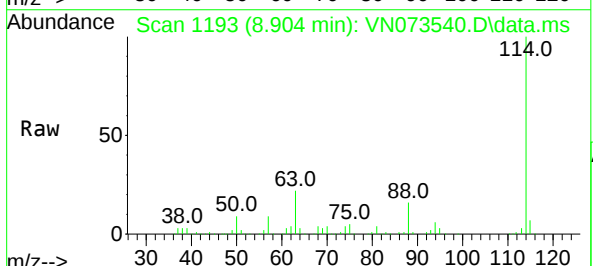
Tgt Ion: 114 Resp: 514724

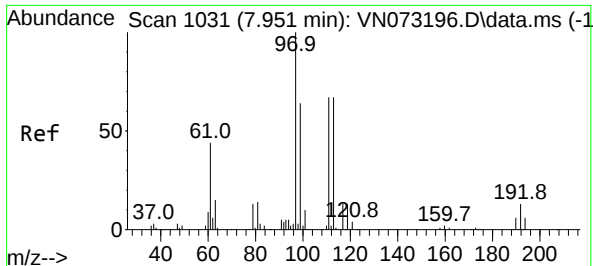
Ion Ratio Lower Upper

114 100

63 22.2 0.0 40.0

88 15.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 46.548 ug/l

RT: 7.951 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VN073540.D

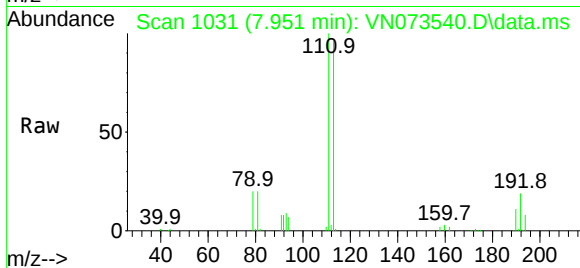
Acq: 20 Jul 2022 22:37

Instrument :

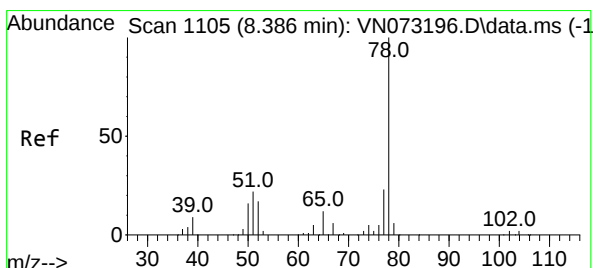
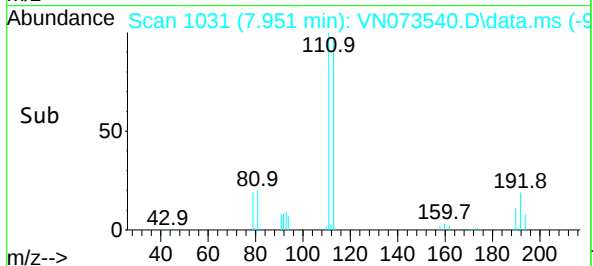
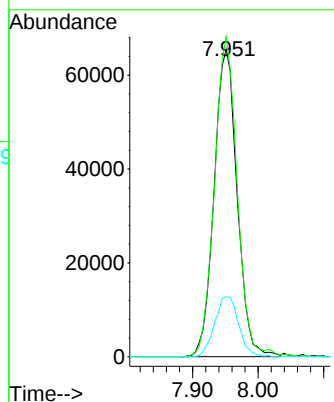
MSVOA_N

ClientSampleId :

070622-F



Tgt Ion:	113	Resp:	159404
Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.4	122.0
192	20.2	17.0	25.6



#40

Benzene

Concen: 35.303 ug/l

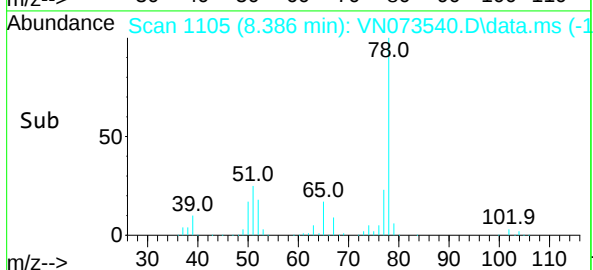
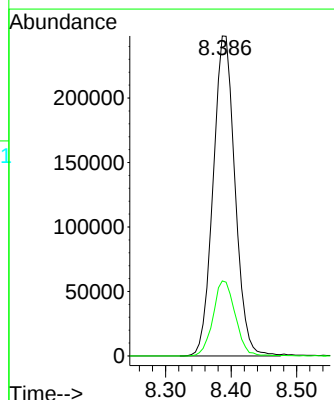
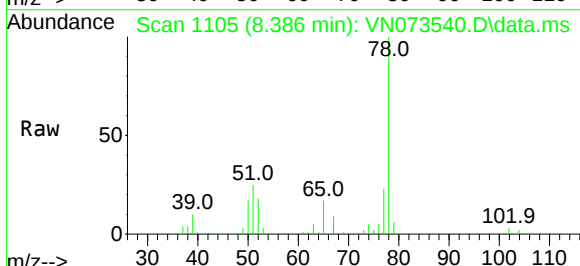
RT: 8.386 min Scan# 1105

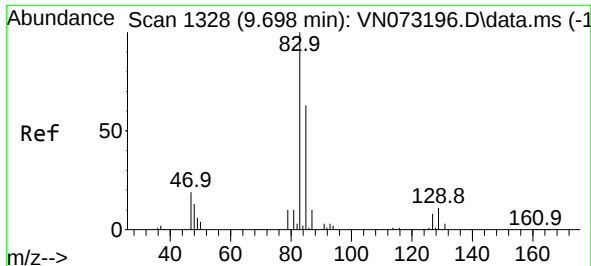
Delta R.T. 0.000 min

Lab File: VN073540.D

Acq: 20 Jul 2022 22:37

Tgt Ion:	78	Resp:	574103
Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.4	29.0

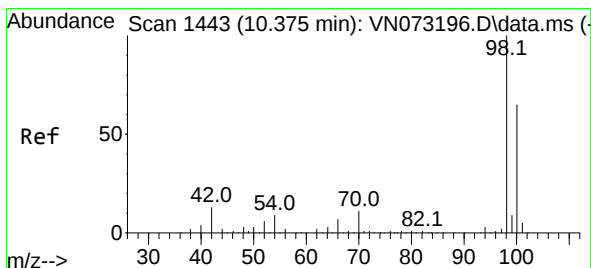
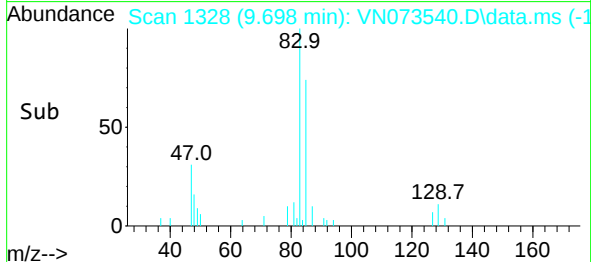
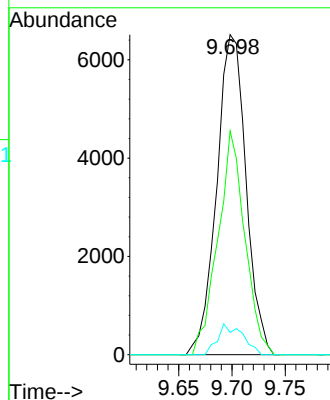
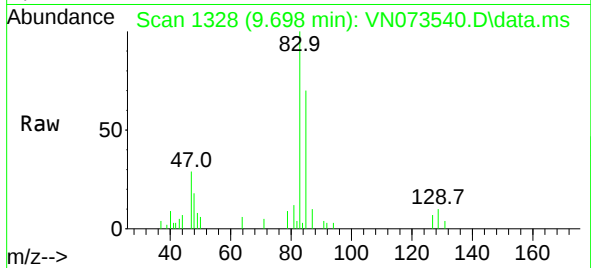




#47
Bromodichloromethane
Concen: 2.287 ug/l
RT: 9.698 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073540.D
Acq: 20 Jul 2022 22:37

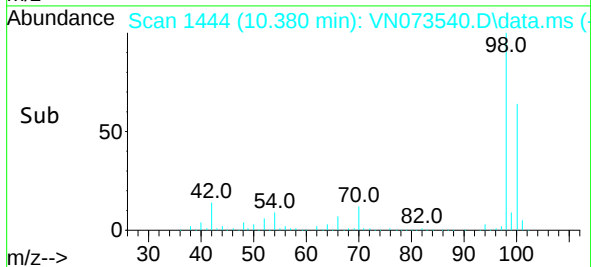
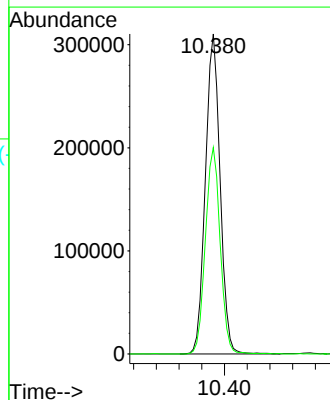
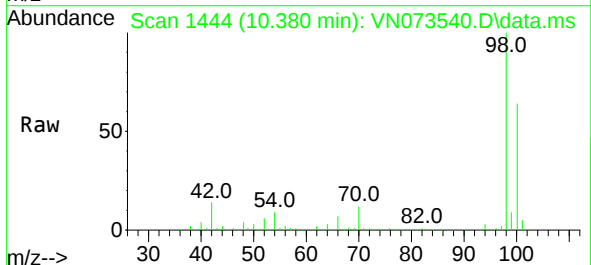
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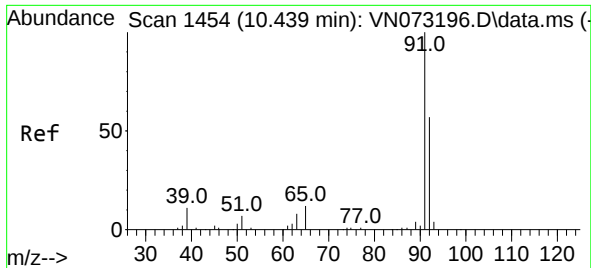
Tgt Ion: 83 Resp: 12468
Ion Ratio Lower Upper
83 100
85 69.9 50.5 75.7
127 7.0 6.8 10.2



#50
Toluene-d8
Concen: 45.742 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.005 min
Lab File: VN073540.D
Acq: 20 Jul 2022 22:37

Tgt Ion: 98 Resp: 556351
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8

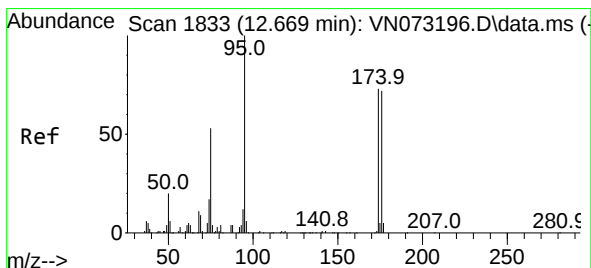
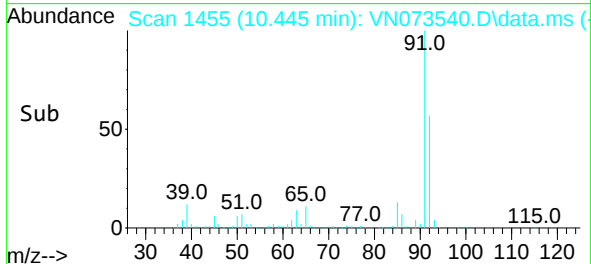
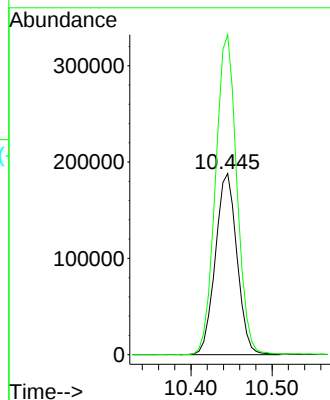
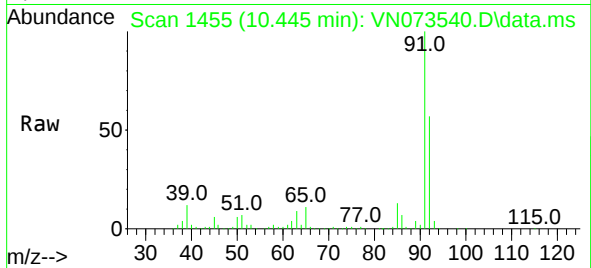




#52
Toluene
Concen: 34.633 ug/l
RT: 10.445 min Scan# 1454
Delta R.T. 0.006 min
Lab File: VN073540.D
Acq: 20 Jul 2022 22:37

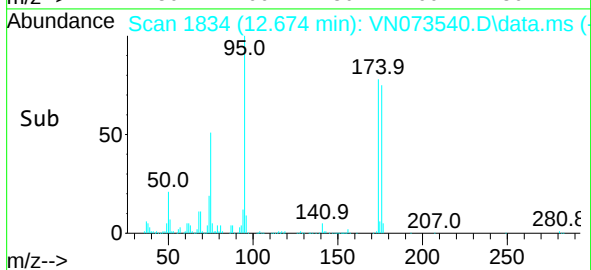
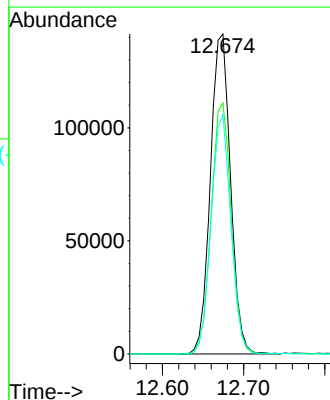
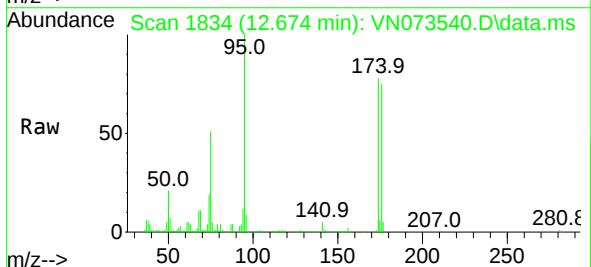
Instrument :
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070622-F

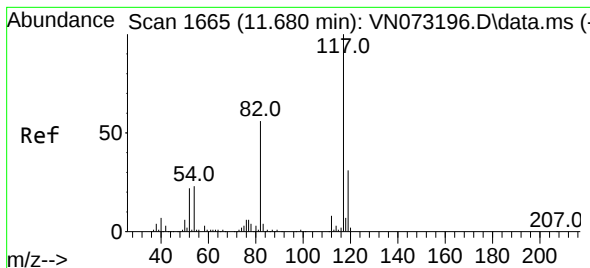
Tgt Ion: 92 Resp: 348058
Ion Ratio Lower Upper
92 100
91 174.8 138.6 207.8



#62
4-Bromofluorobenzene
Concen: 52.142 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.005 min
Lab File: VN073540.D
Acq: 20 Jul 2022 22:37

Tgt Ion: 95 Resp: 243716
Ion Ratio Lower Upper
95 100
174 78.0 0.0 167.6
176 73.3 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: VN073540.D

Acq: 20 Jul 2022 22:37

Instrument :

MSVOA_N

ClientSampleId :

070622-F

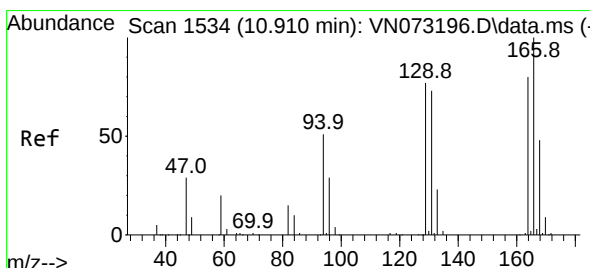
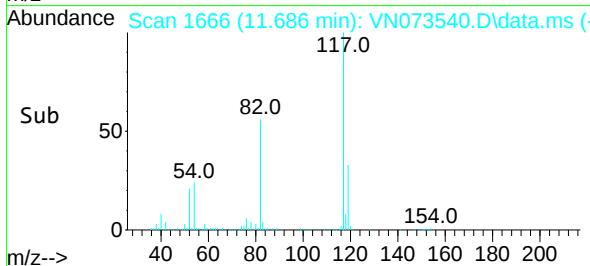
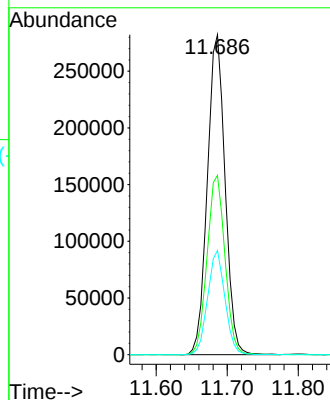
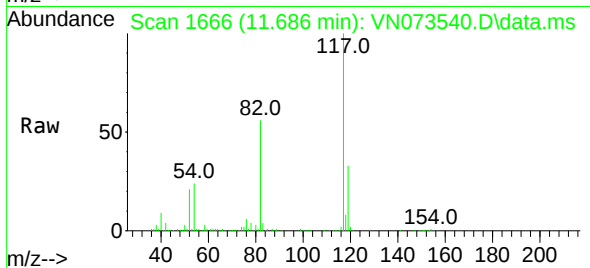
Tgt Ion:117 Resp: 489367

Ion Ratio Lower Upper

117 100

82 56.1 44.2 66.2

119 32.6 25.4 38.0



#64

Tetrachloroethene

Concen: 0.586 ug/l

RT: 10.916 min Scan# 1535

Delta R.T. 0.006 min

Lab File: VN073540.D

Acq: 20 Jul 2022 22:37

Tgt Ion:164 Resp: 2343

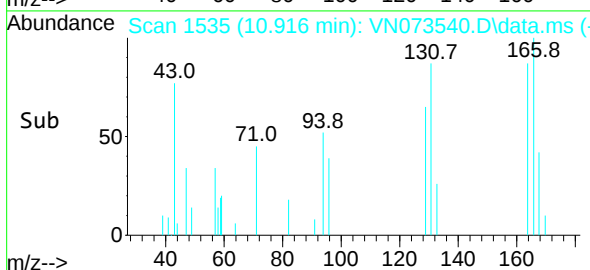
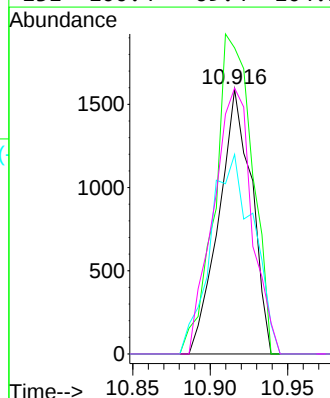
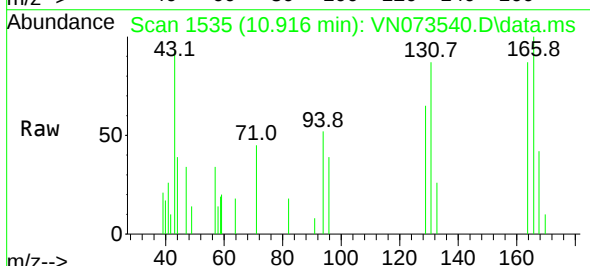
Ion Ratio Lower Upper

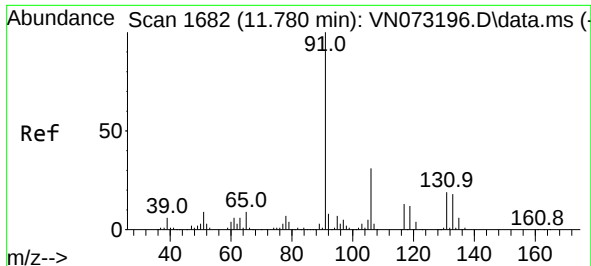
164 100

166 115.6 104.2 156.2

129 75.4 73.9 110.9

131 100.4 69.4 104.2

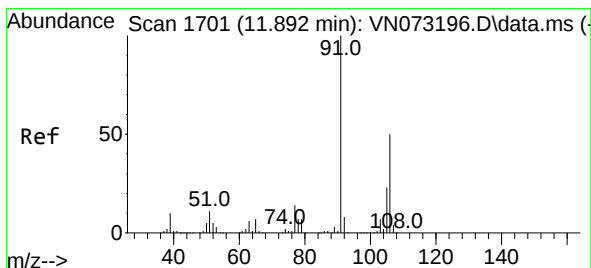
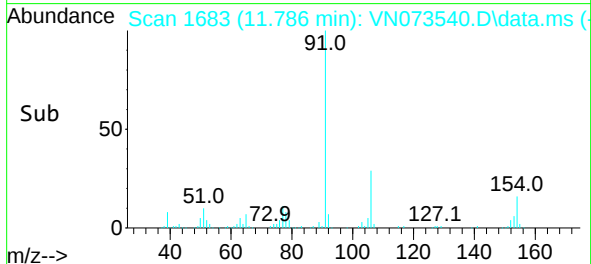
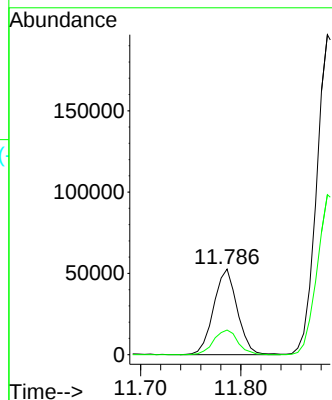
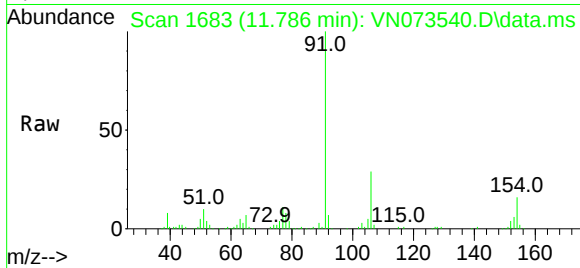




#67
Ethyl Benzene
Concen: 4.285 ug/l
RT: 11.786 min Scan# 1170
Delta R.T. 0.006 min
Lab File: VN073540.D
Acq: 20 Jul 2022 22:37

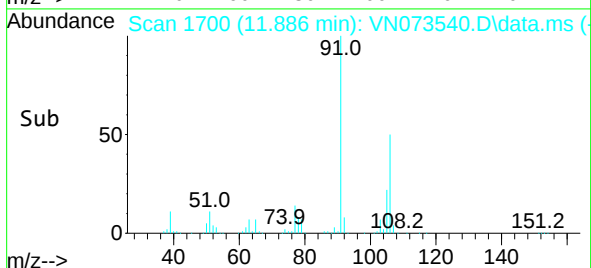
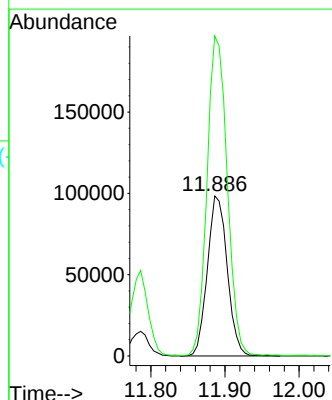
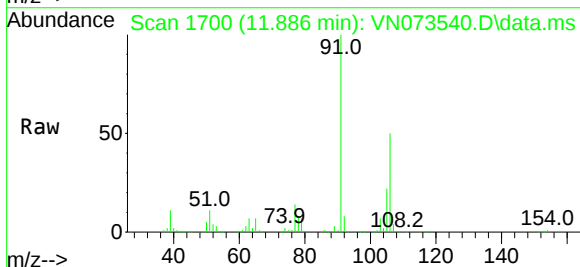
Instrument :
MSVOA_N
ClientSampleId :
070622-F

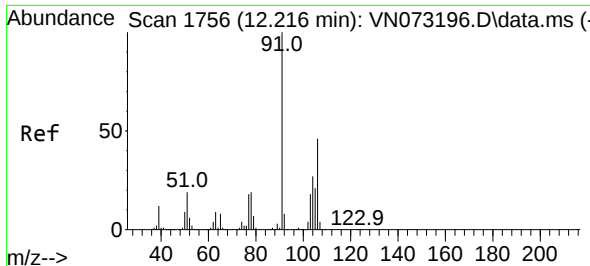
Tgt Ion: 91 Resp: 86101
Ion Ratio Lower Upper
91 100
106 28.8 24.9 37.3



#68
m/p-Xylenes
Concen: 24.153 ug/l
RT: 11.886 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VN073540.D
Acq: 20 Jul 2022 22:37

Tgt Ion: 106 Resp: 183158
Ion Ratio Lower Upper
106 100
91 202.2 158.9 238.3

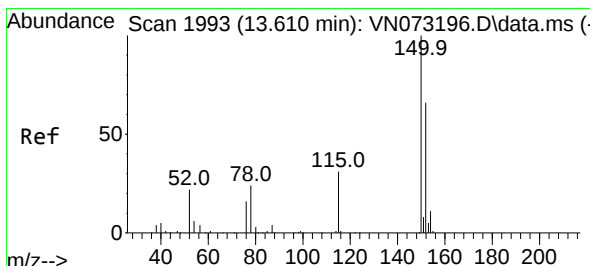
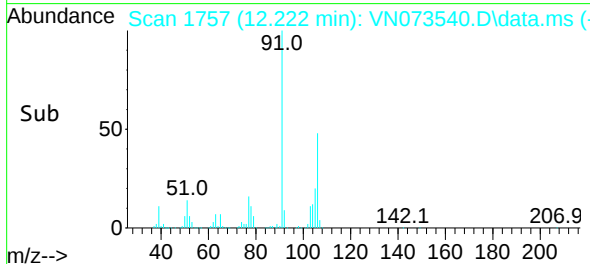
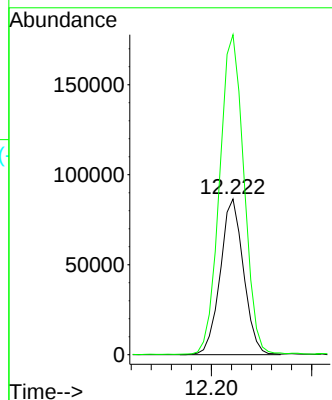
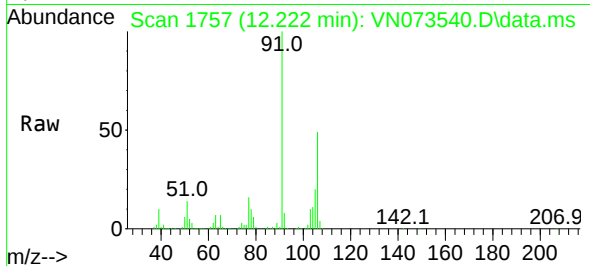




#69
o-Xylene
Concen: 17.914 ug/l
RT: 12.222 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073540.D
Acq: 20 Jul 2022 22:37

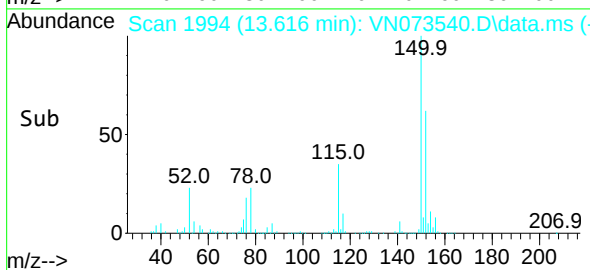
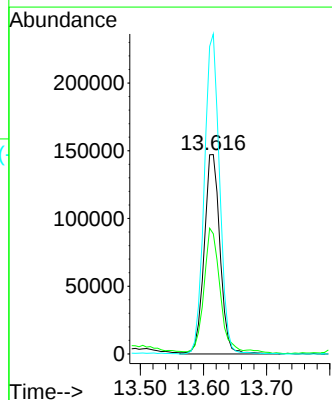
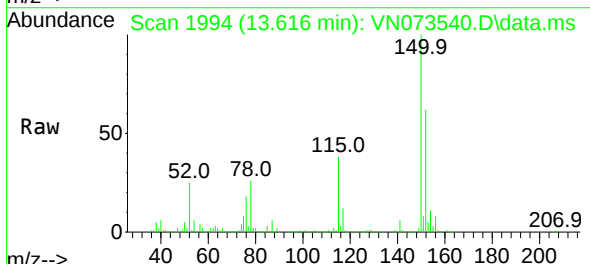
Instrument :
MSVOA_N
ClientSampleId :
070622-F

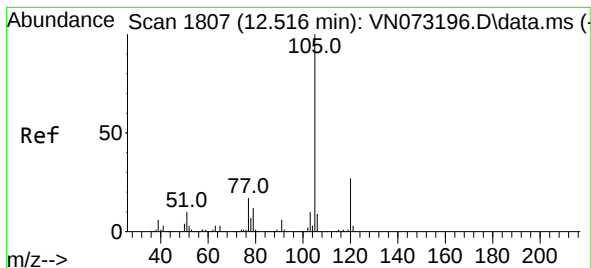
Tgt Ion:106 Resp: 138680
Ion Ratio Lower Upper
106 100
91 215.4 106.0 318.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VN073540.D
Acq: 20 Jul 2022 22:37

Tgt Ion:152 Resp: 257026
Ion Ratio Lower Upper
152 100
115 65.8 28.9 86.7
150 154.1 0.0 356.2





#73

Isopropylbenzene

Concen: 0.292 ug/l

RT: 12.516 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN073540.D

Acq: 20 Jul 2022 22:37

Instrument :

MSVOA_N

ClientSampleId :

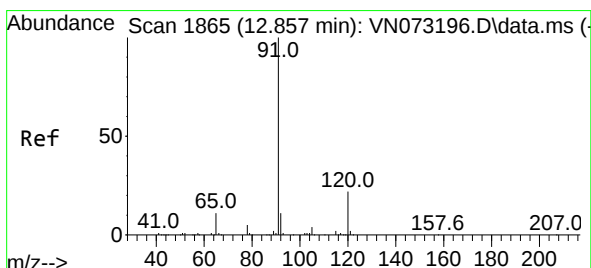
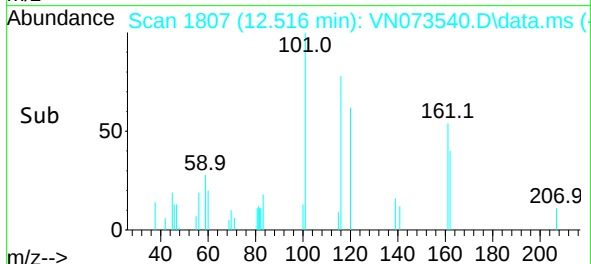
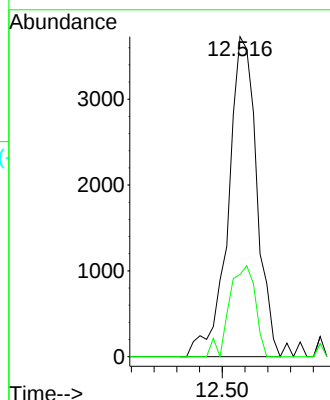
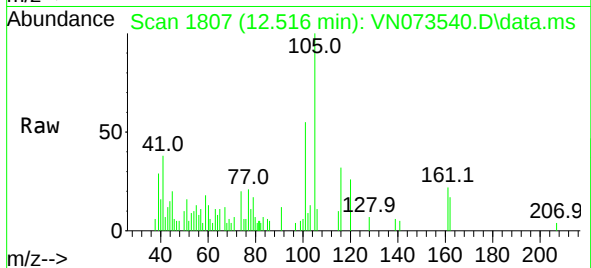
070622-F

Tgt Ion:105 Resp: 6488

Ion Ratio Lower Upper

105 100

120 25.9 13.5 40.4



#78

n-propylbenzene

Concen: 0.674 ug/l

RT: 12.857 min Scan# 1865

Delta R.T. -0.000 min

Lab File: VN073540.D

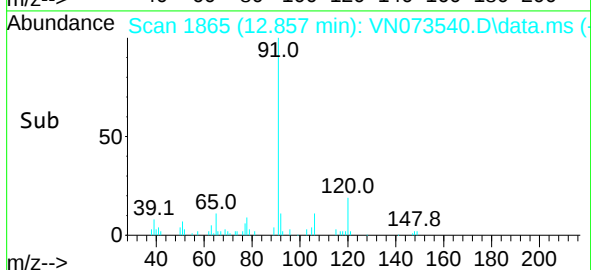
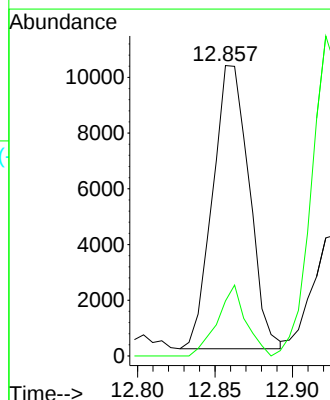
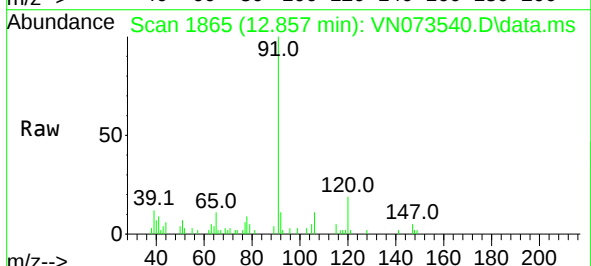
Acq: 20 Jul 2022 22:37

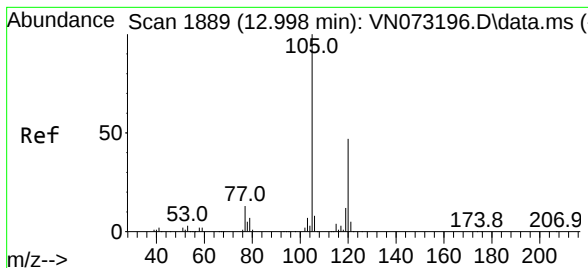
Tgt Ion: 91 Resp: 16625

Ion Ratio Lower Upper

91 100

120 19.4 11.9 35.5





#80

1,3,5-Trimethylbenzene

Concen: 3.262 ug/l

RT: 12.998 min Scan# 1889

Delta R.T. -0.000 min

Lab File: VN073540.D

Acq: 20 Jul 2022 22:37

Instrument :

MSVOA_N

ClientSampleId :

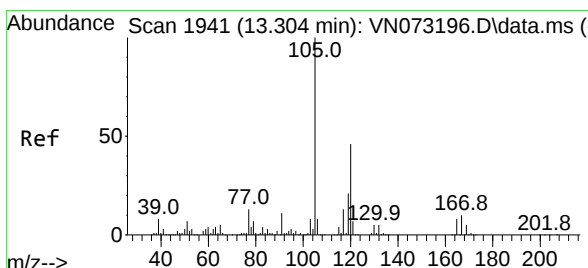
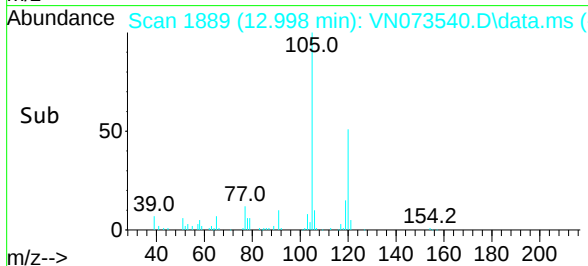
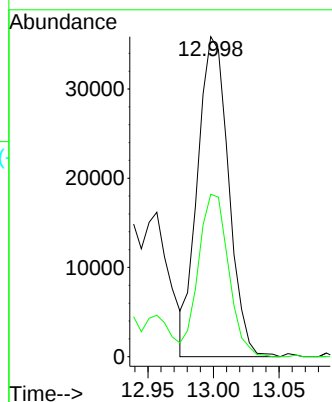
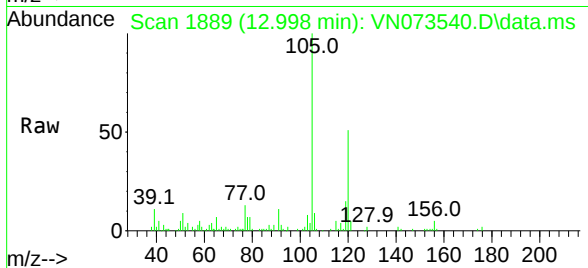
070622-F

Tgt Ion:105 Resp: 59007

Ion Ratio Lower Upper

105 100

120 49.5 24.9 74.7



#84

1,2,4-Trimethylbenzene

Concen: 10.563 ug/l

RT: 13.310 min Scan# 1942

Delta R.T. 0.006 min

Lab File: VN073540.D

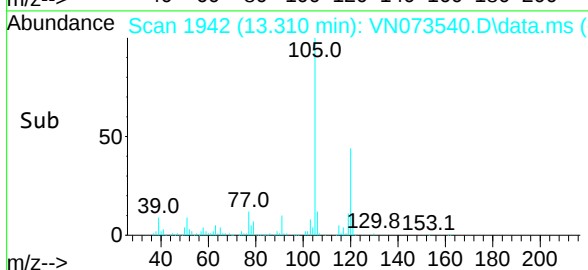
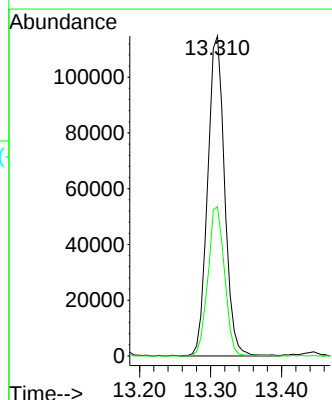
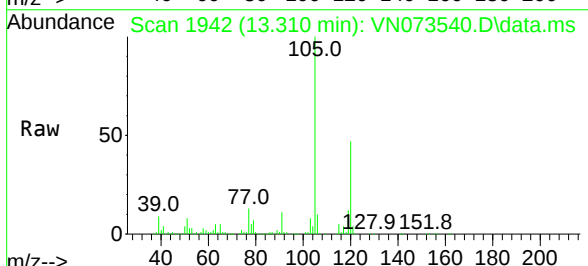
Acq: 20 Jul 2022 22:37

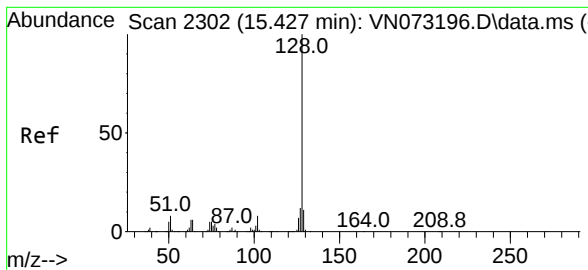
Tgt Ion:105 Resp: 190786

Ion Ratio Lower Upper

105 100

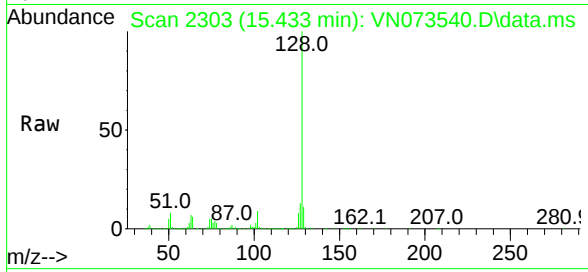
120 45.5 23.3 69.8





#95
Naphthalene
Concen: 311.223 ug/l
RT: 15.433 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN073540.D
Acq: 20 Jul 2022 22:37

Instrument :
MSVOA_N
ClientSampleId :
070622-F



Tgt Ion:128 Resp: 6165121
Ion Ratio Lower Upper
128 100
127 13.3 10.3 15.5
129 11.0 8.6 13.0

