

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062322\
 Data File : VN073070.D
 Acq On : 24 Jun 2022 01:59
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jun 24 05:00:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062322W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jun 24 04:54:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.586	128	41636	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.904	114	239714	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.680	117	200142	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.369	65	125677	31.312	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 104.367%	
60) 4-Bromofluorobenzene	12.668	95	105888	27.653	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 92.167%	
63) Toluene-d8	10.375	98	338094	31.195	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 103.967%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	1107	0.337	ug/l	94
3) Chloromethane	2.269	50	1210	0.388	ug/l #	79
4) Vinyl Chloride	2.410	62	575	0.206	ug/l #	64
5) Bromomethane	2.846	94	643	0.699	ug/l	83
6) Chloroethane	2.969	64	502	0.291	ug/l #	44
7) Trichlorofluoromethane	3.322	101	1362	0.269	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.151	101	567	0.202	ug/l	81
10) 1,1-Dichloroethene	4.116	96	576	0.201	ug/l	85
11) Methyl Iodide	4.363	142	557	0.204	ug/l #	74
12) Methyl Acetate	4.781	43	2205	0.369	ug/l #	80
13) Acrolein	3.981	56	1328	2.207	ug/l #	69
14) Acrylonitrile	5.487	53	4254	1.870	ug/l	91
15) Acetone	4.234	58	469	0.747	ug/l #	1
16) Carbon Disulfide	4.463	76	10332	1.367	ug/l #	87
19) trans-1,2-Dichloroethene	5.516	96	988	0.327	ug/l #	79
23) tert-Butyl Alcohol	5.251	59	308	0.332	ug/l #	100
29) 1,1-Dichloropropene	8.157	75	1007	0.232	ug/l #	37
30) 2-Butanone	7.281	43	4832	1.448	ug/l #	70
31) 2,2-Dichloropropane	7.234	77	1395	0.658	ug/l #	53
36) 1,2-Dichloroethane	8.463	62	1071	0.214	ug/l #	77
37) Trichloroethene	9.151	130	1831	0.545	ug/l #	75
38) Methylcyclohexane	9.386	83	1268	0.247	ug/l	84
40) Dibromomethane	9.516	93	713	0.302	ug/l	61
42) Vinyl Acetate	6.357	43	4551	0.441	ug/l #	84
45) 1,4-Dioxane	9.498	88	163	1.885	ug/l #	1
47) n-amyl Acetate	12.333	43	5552	0.714	ug/l	93
50) 1,1,2-Trichloroethane	10.839	97	715	0.209	ug/l #	81
54) 1,2-Dibromoethane	11.280	107	807	0.225	ug/l	92
55) 2-Chloroethyl vinyl ether	9.980	63	2240	0.906	ug/l	94
56) Bromoform	12.404	173	524	0.201	ug/l #	96
58) 4-Methyl-2-Pentanone	10.269	43	4796	0.824	ug/l #	77
59) 2-Hexanone	11.027	43	10172	2.288	ug/l #	98
61) Tetrachloroethene	10.910	164	1247	0.482	ug/l	86
62) Toluene	10.439	91	3086	0.232	ug/l #	79
64) Chlorobenzene	11.710	112	3871	0.484	ug/l	89
66) Ethyl Benzene	11.780	91	4566	0.312	ug/l #	69
67) m/p-Xylenes	11.892	106	3716	0.676	ug/l	90
68) o-Xylene	12.210	106	1234	0.222	ug/l	92
69) Styrene	12.227	104	3811	0.429	ug/l	91

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

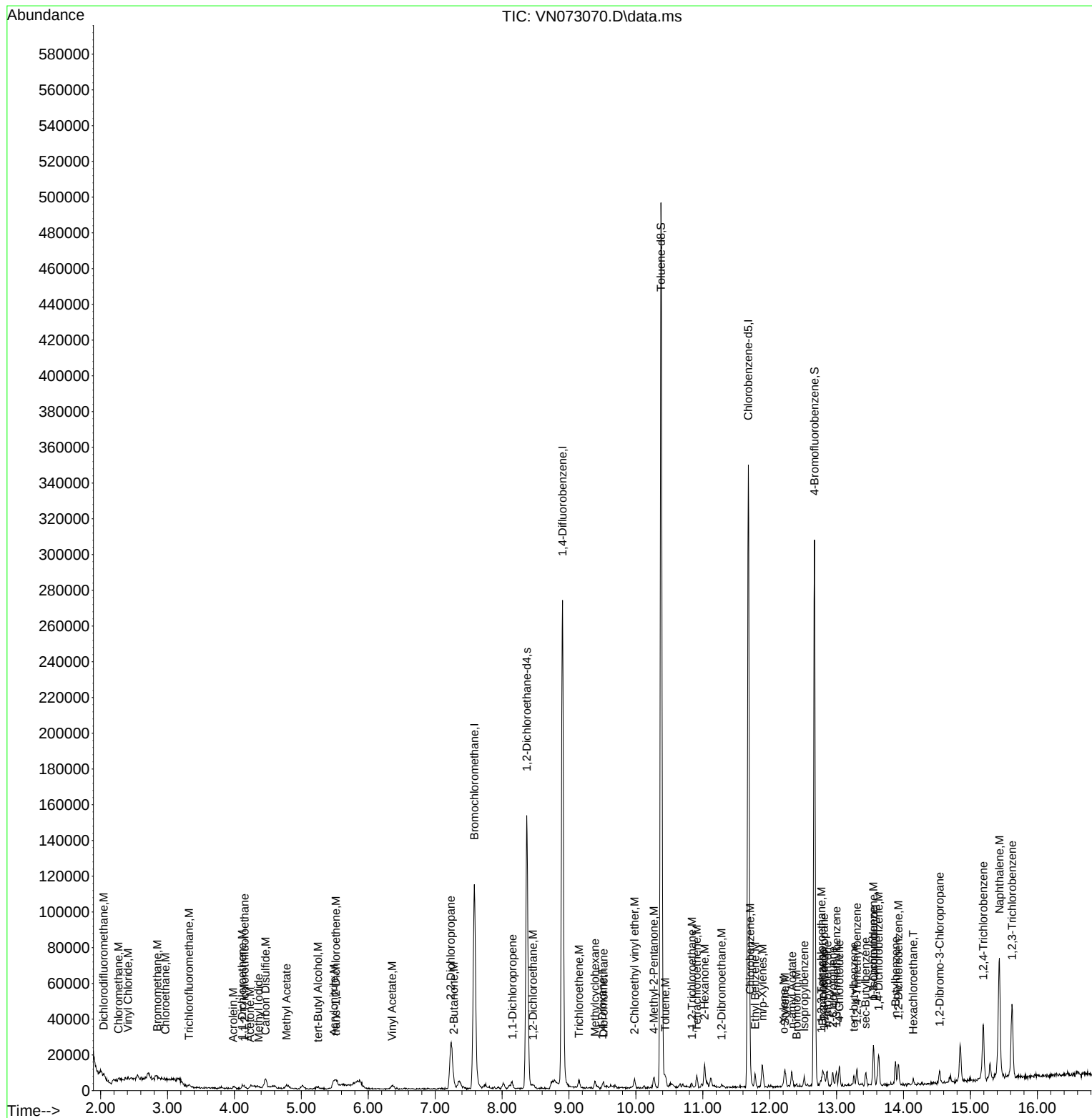
70) Isopropylbenzene	12.516	105	3948	0.278	ug/l	96
71) 1,1,2,2-Tetrachloroethane	12.774	83	1574	0.321	ug/l #	88
72) 1,2,3-Trichloropropane	12.810	75	866	0.230	ug/l #	1
73) Bromobenzene	12.792	156	1908	0.576	ug/l	97
74) n-propylbenzene	12.863	91	7888	0.490	ug/l	94
75) 2-Chlorotoluene	12.945	91	5053	0.502	ug/l	95
76) 1,3,5-Trimethylbenzene	12.998	105	4513	0.382	ug/l	94
78) 4-Chlorotoluene	13.039	91	7119	0.735	ug/l	92
79) tert-butylbenzene	13.257	119	3007	0.288	ug/l	99
80) 1,2,4-Trimethylbenzene	13.304	105	5700	0.492	ug/l #	84
81) sec-Butylbenzene	13.433	105	5710	0.406	ug/l	68
82) p-Isopropyltoluene	13.551	119	5828	0.510	ug/l	93
83) 1,3-Dichlorobenzene	13.551	146	6143	1.054	ug/l	97
84) 1,4-Dichlorobenzene	13.627	146	7268	1.248	ug/l	96
85) n-Butylbenzene	13.880	91	7177	0.772	ug/l	96
86) Hexachloroethane	14.145	117	583	0.261	ug/l #	44
87) 1,2-Dichlorobenzene	13.921	146	4907	0.805	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.539	75	2186	1.750	ug/l #	81
89) 1,2,4-Trichlorobenzene	15.192	180	11573	3.612	ug/l	97
91) Naphthalene	15.433	128	70472	5.636	ug/l	97
92) 1,2,3-Trichlorobenzene	15.621	180	16465	5.050	ug/l	94

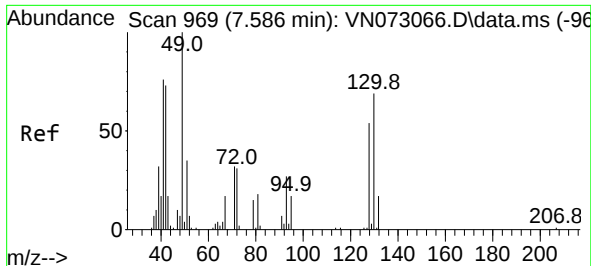
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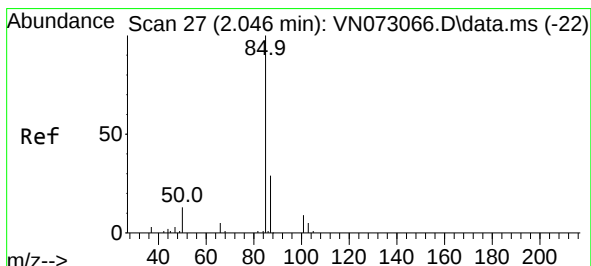
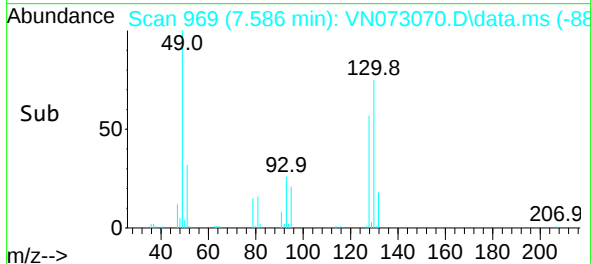
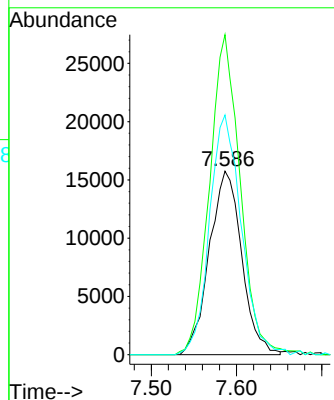
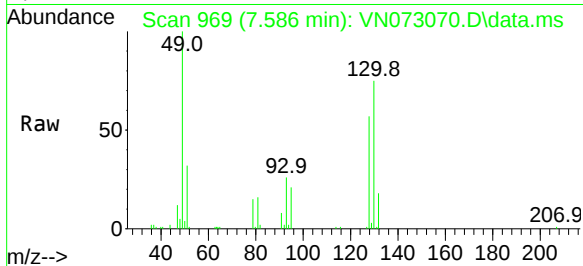




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.586 min Scan# 969
Delta R.T. 0.000 min
Lab File: VN073070.D
Acq: 24 Jun 2022 01:59

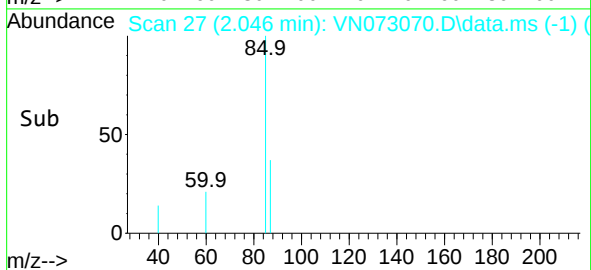
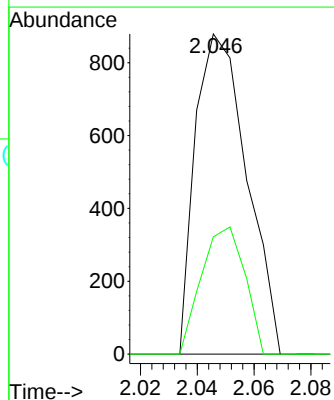
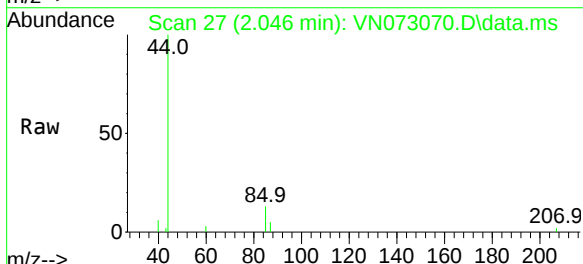
Instrument :
MSVOA_N
ClientSampleId :
IBLK

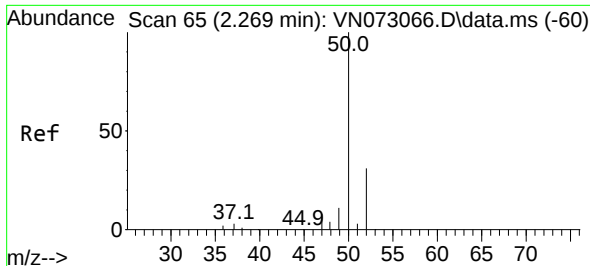
Tgt Ion:128 Resp: 41636
Ion Ratio Lower Upper
128 100
49 164.8 0.0 392.3
130 127.9 0.0 320.2



#2
Dichlorodifluoromethane
Concen: 0.337 ug/l
RT: 2.046 min Scan# 27
Delta R.T. 0.000 min
Lab File: VN073070.D
Acq: 24 Jun 2022 01:59

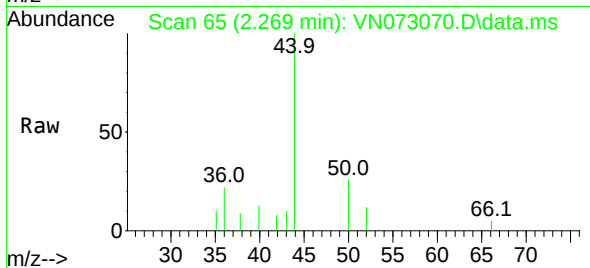
Tgt Ion: 85 Resp: 1107
Ion Ratio Lower Upper
85 100
87 36.6 16.6 49.7



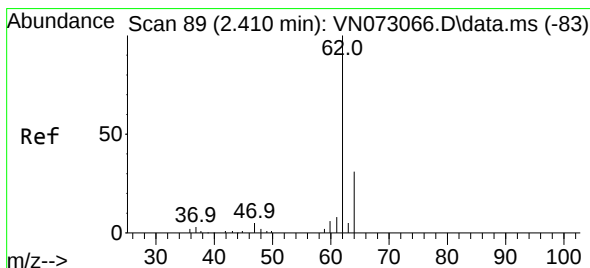
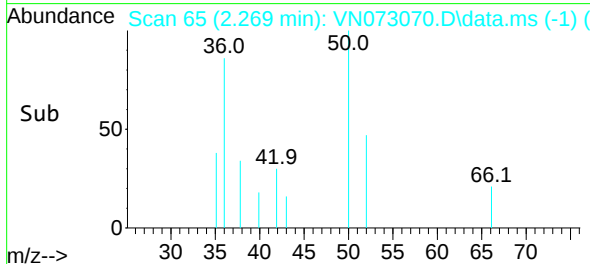
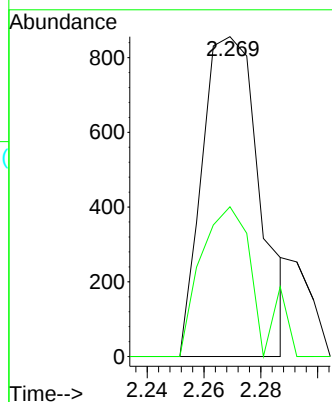


#3
Chloromethane
Concen: 0.388 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073070.D
Acq: 24 Jun 2022 01:59

Instrument :
MSVOA_N
ClientSampleId :
IBLK

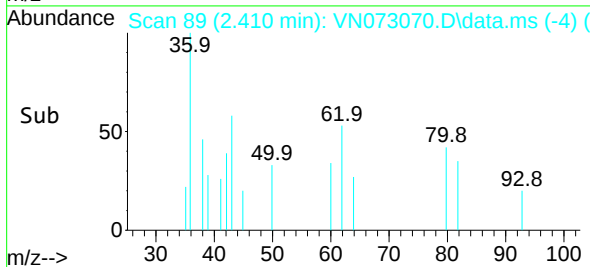
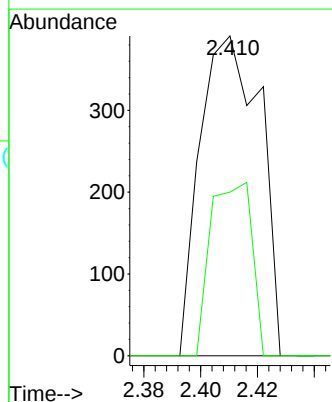
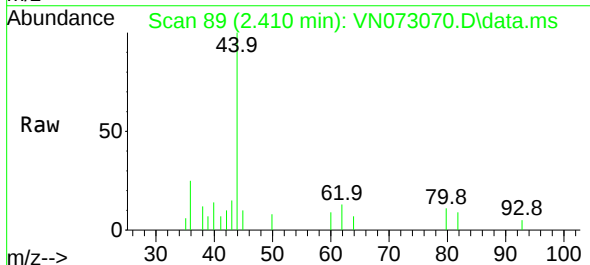


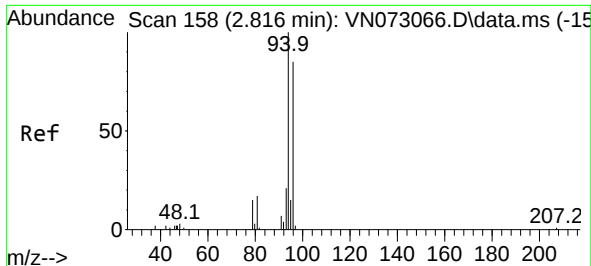
Tgt Ion: 50 Resp: 1210
Ion Ratio Lower Upper
50 100
52 46.8 27.8 41.6#



#4
Vinyl Chloride
Concen: 0.206 ug/l
RT: 2.410 min Scan# 89
Delta R.T. 0.000 min
Lab File: VN073070.D
Acq: 24 Jun 2022 01:59

Tgt Ion: 62 Resp: 575
Ion Ratio Lower Upper
62 100
64 51.2 25.1 37.7#

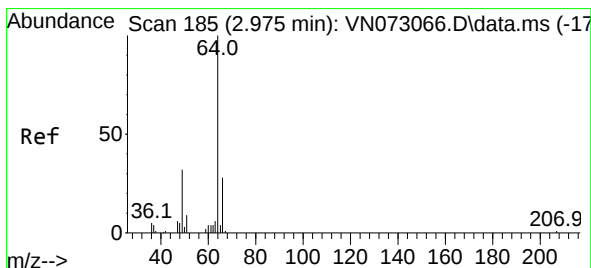
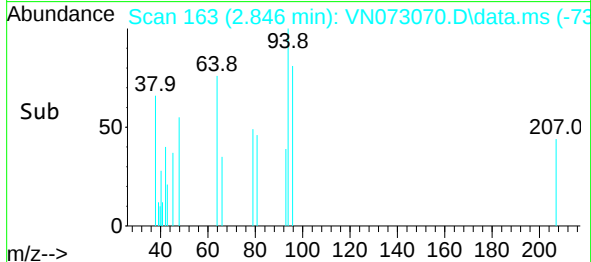
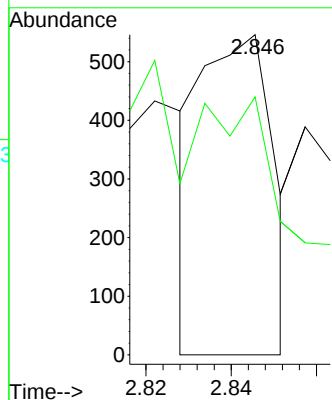
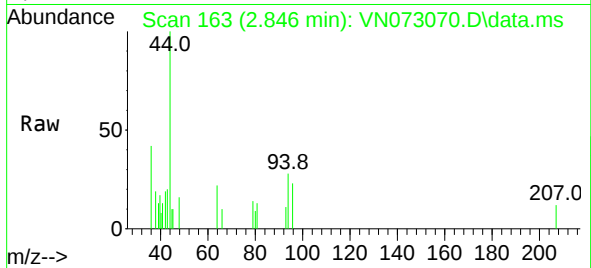




#5
Bromomethane
Concen: 0.699 ug/l
RT: 2.846 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN073070.D
Acq: 24 Jun 2022 01:59

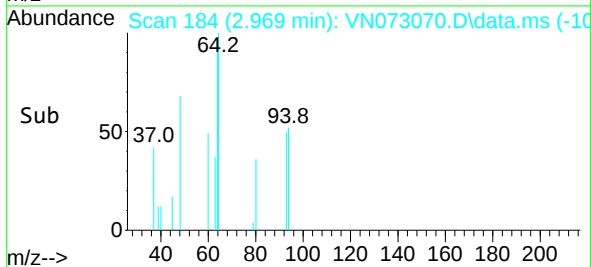
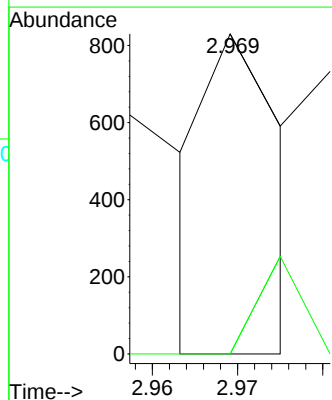
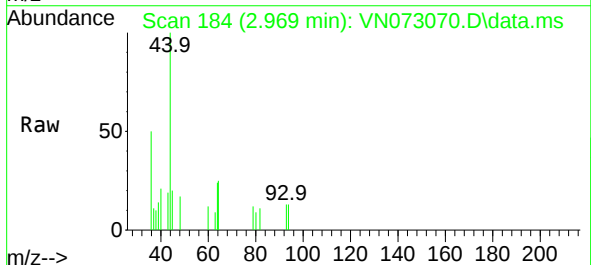
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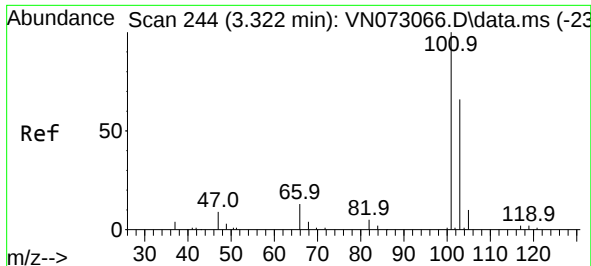
Tgt Ion: 94 Resp: 643
Ion Ratio Lower Upper
94 100
96 77.9 75.2 112.8



#6
Chloroethane
Concen: 0.291 ug/l
RT: 2.969 min Scan# 184
Delta R.T. -0.006 min
Lab File: VN073070.D
Acq: 24 Jun 2022 01:59

Tgt Ion: 64 Resp: 502
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#

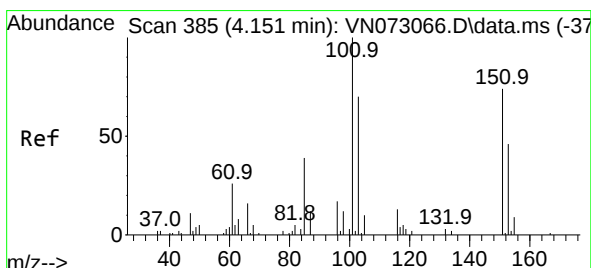
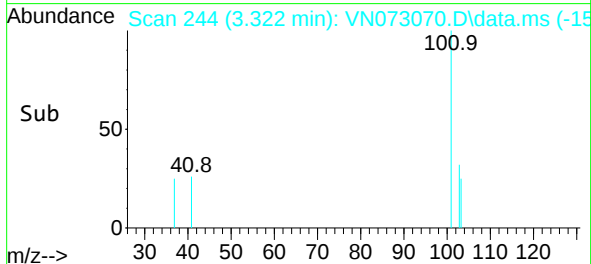
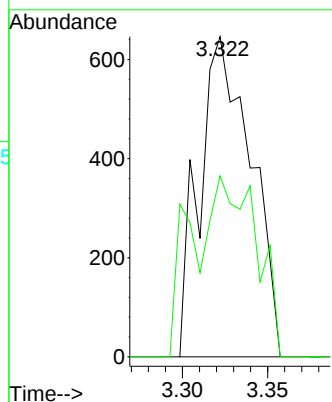
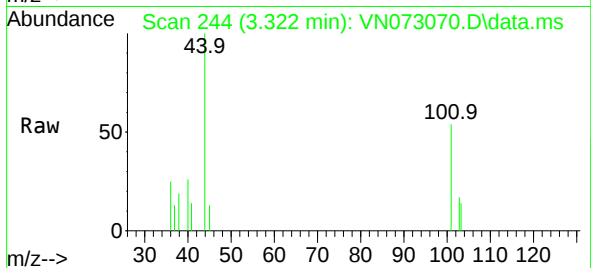




#7
 Trichlorofluoromethane
 Concen: 0.269 ug/l
 RT: 3.322 min Scan# 244
 Delta R.T. 0.000 min
 Lab File: VN073070.D
 Acq: 24 Jun 2022 01:59

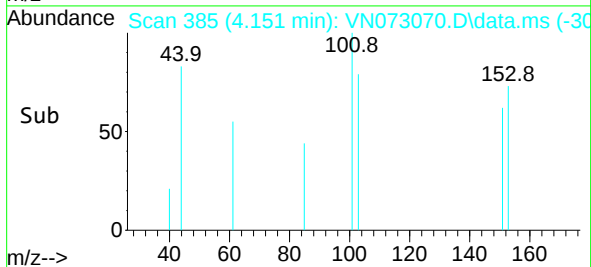
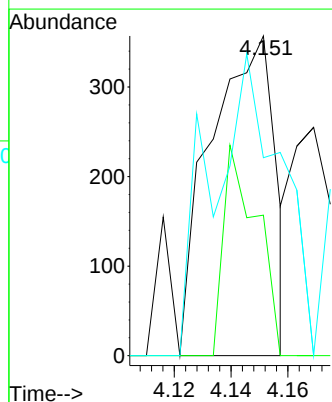
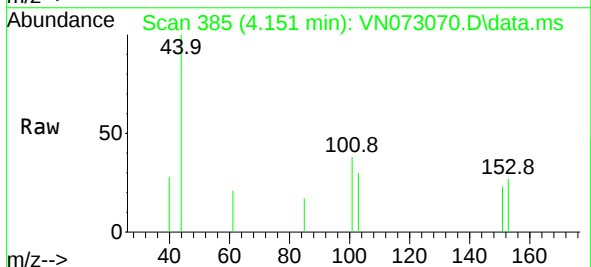
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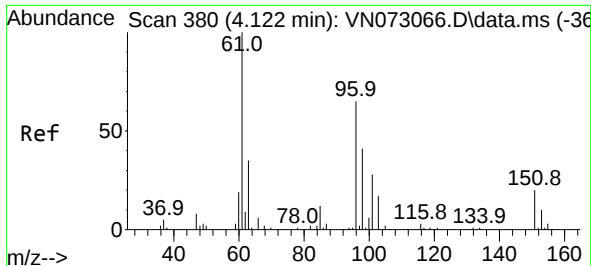
Tgt Ion:101 Resp: 1362
 Ion Ratio Lower Upper
 101 100
 103 56.5 50.1 75.1



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.202 ug/l
 RT: 4.151 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VN073070.D
 Acq: 24 Jun 2022 01:59

Tgt Ion:101 Resp: 567
 Ion Ratio Lower Upper
 101 100
 85 34.0 0.0 94.0
 151 48.0 0.0 74.6





#10

1,1-Dichloroethene

Concen: 0.201 ug/l

RT: 4.116 min Scan# 31

Delta R.T. -0.006 min

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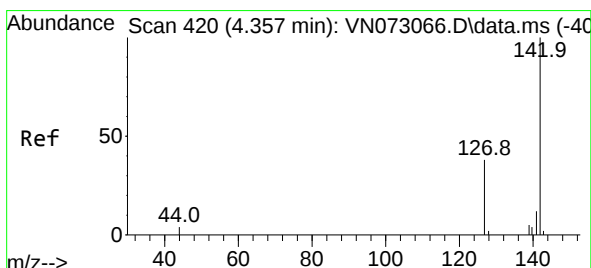
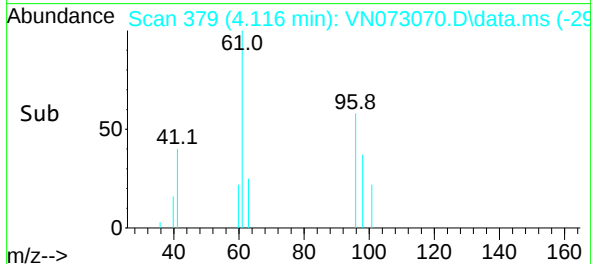
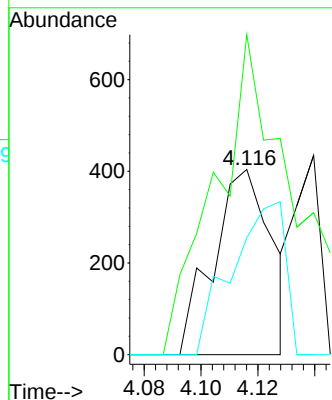
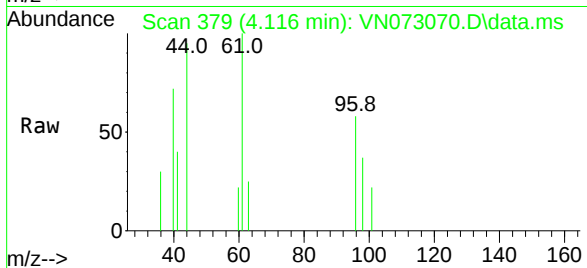
Tgt Ion: 96 Resp: 576

Ion Ratio Lower Upper

96 100

61 129.7 126.2 189.4

98 63.1 50.9 76.3



#11

Methyl Iodide

Concen: 0.204 ug/l

RT: 4.363 min Scan# 421

Delta R.T. 0.006 min

Lab File: VN073070.D

Acq: 24 Jun 2022 01:59

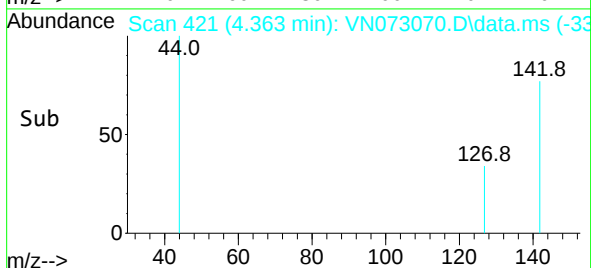
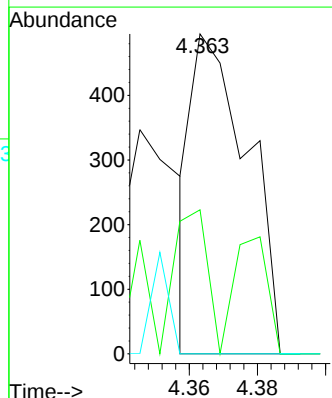
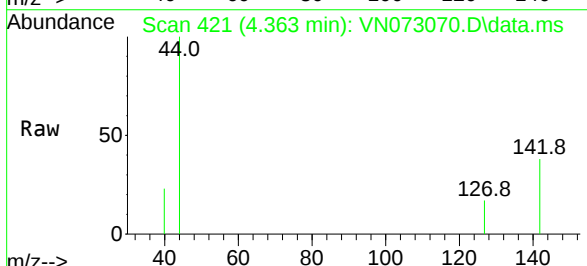
Tgt Ion: 142 Resp: 557

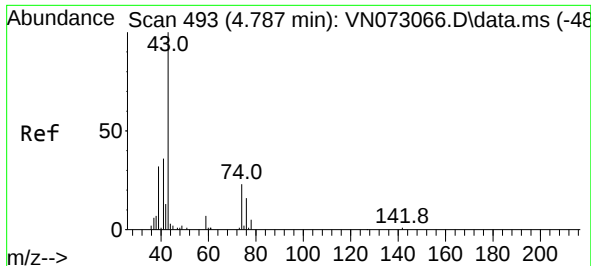
Ion Ratio Lower Upper

142 100

127 33.7 24.0 72.0

141 0.0 8.4 25.2#





#12

Methyl Acetate

Concen: 0.369 ug/l

RT: 4.781 min Scan# 493

Delta R.T. -0.006 min

Lab File: VN073070.D

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Instrument :

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ClientSampleId :

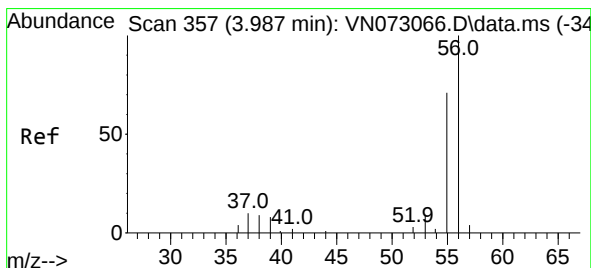
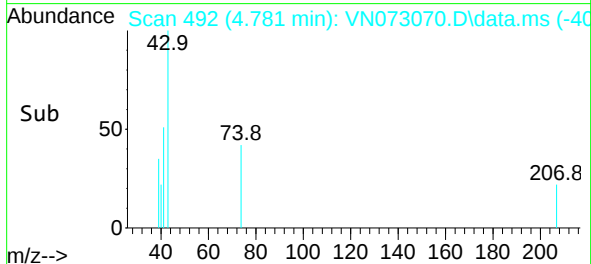
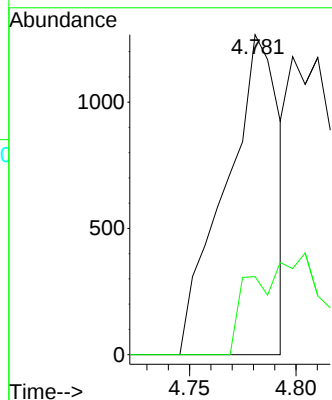
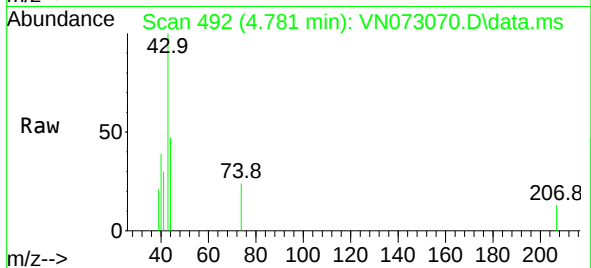
IBLK

Tgt Ion: 43 Resp: 2205

Ion Ratio Lower Upper

43 100

74 15.7 20.8 31.2#



#13

Acrolein

Concen: 2.207 ug/l

RT: 3.981 min Scan# 356

Delta R.T. -0.006 min

Lab File: VN073070.D

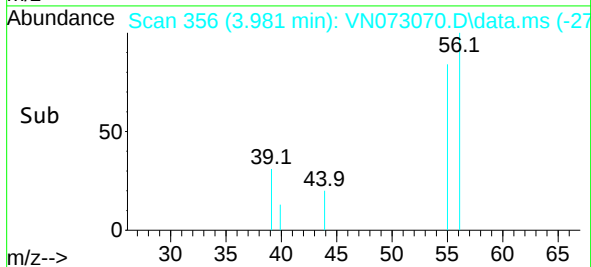
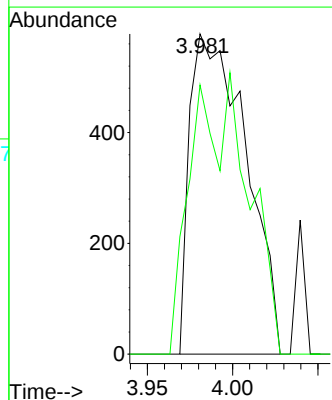
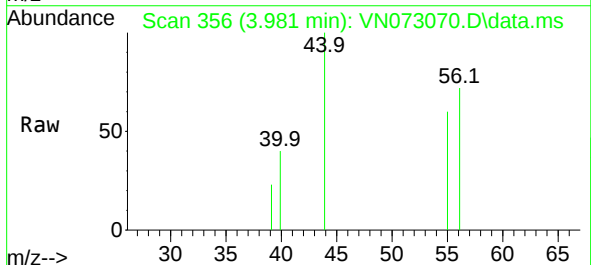
Acq: 24 Jun 2022 01:59

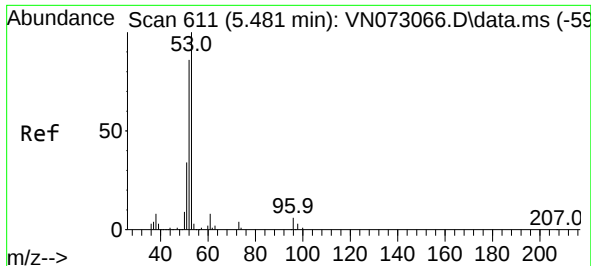
Tgt Ion: 56 Resp: 1328

Ion Ratio Lower Upper

56 100

55 46.3 57.6 86.4#

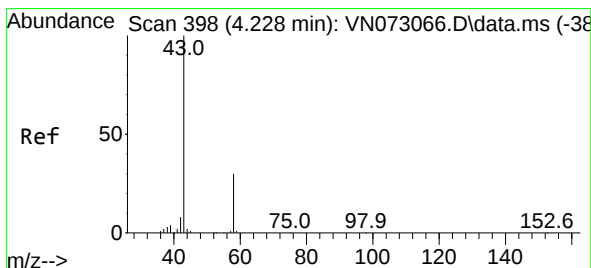
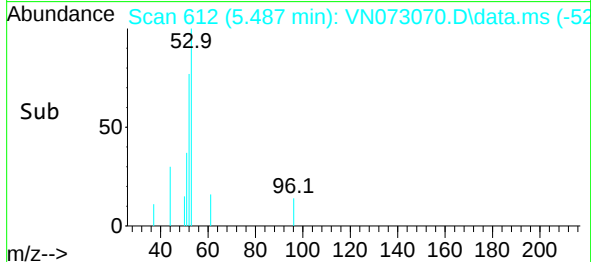
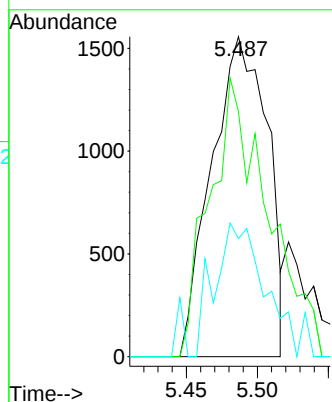
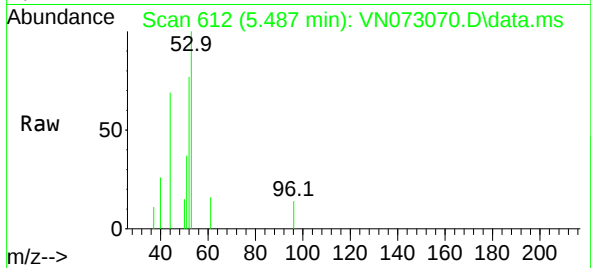




#14
Acrylonitrile
Concen: 1.870 ug/l
RT: 5.487 min Scan# 611
Delta R.T. 0.006 min
Lab File: VN073070.D
Acq: 24 Jun 2022 01:59

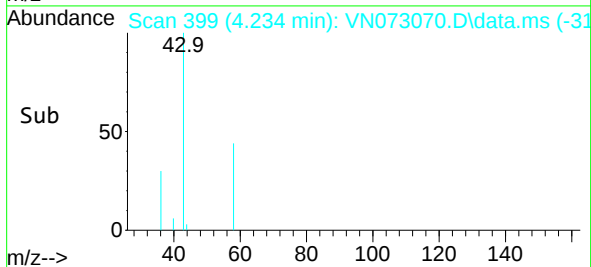
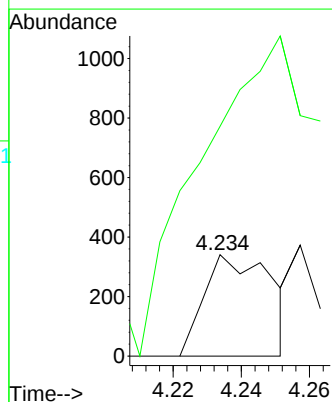
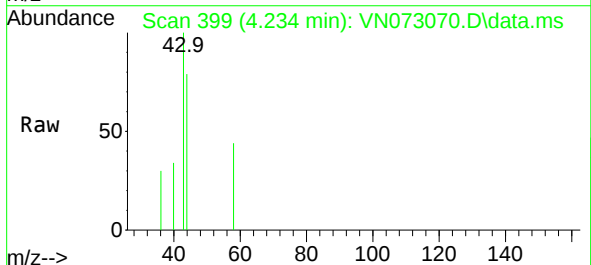
Instrument :
MSVOA_N
ClientSampleId :
IBLK

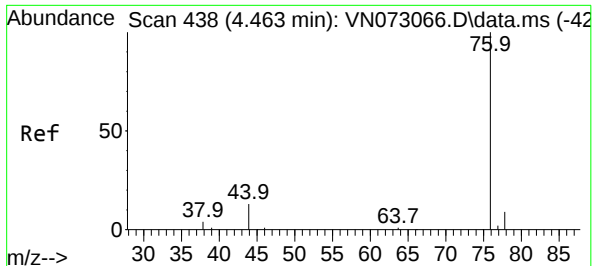
Tgt Ion: 53 Resp: 4254
Ion Ratio Lower Upper
53 100
52 90.8 41.8 125.4
51 31.1 19.0 57.0



#15
Acetone
Concen: 0.747 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.006 min
Lab File: VN073070.D
Acq: 24 Jun 2022 01:59

Tgt Ion: 58 Resp: 469
Ion Ratio Lower Upper
58 100
43 63.3 256.6 384.8#

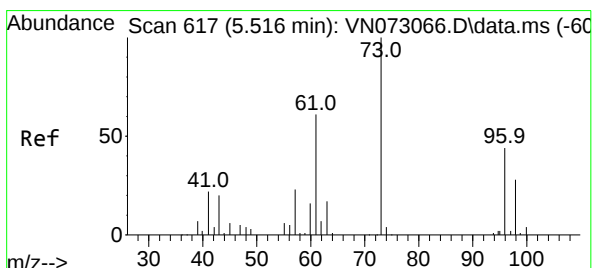
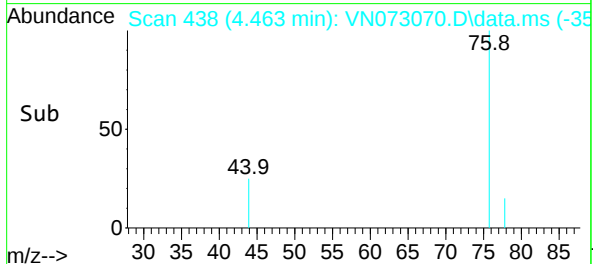
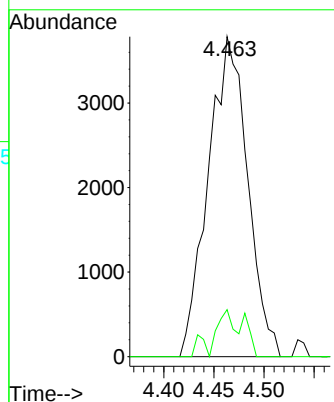
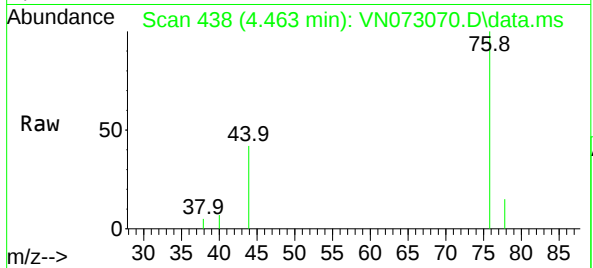




#16
Carbon Disulfide
Concen: 1.367 ug/l
RT: 4.463 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN073070.D
Acq: 24 Jun 2022 01:59

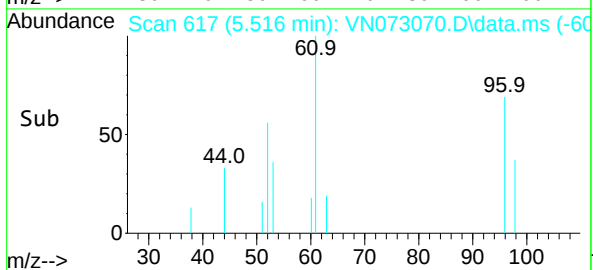
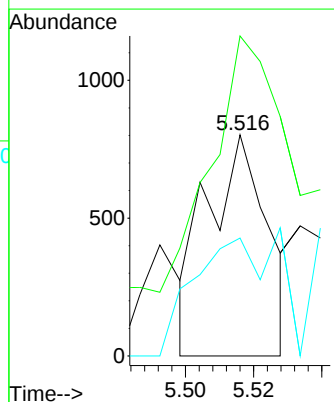
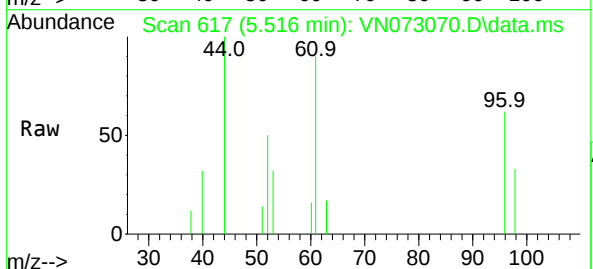
Instrument :
MSVOA_N
ClientSampleId :
IBLK

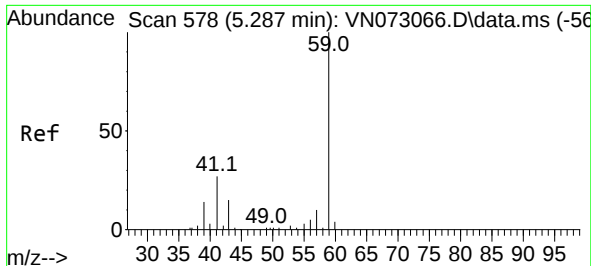
Tgt Ion: 76 Resp: 10332
Ion Ratio Lower Upper
76 100
78 14.7 7.8 11.8#



#19
trans-1,2-Dichloroethene
Concen: 0.327 ug/l
RT: 5.516 min Scan# 617
Delta R.T. 0.000 min
Lab File: VN073070.D
Acq: 24 Jun 2022 01:59

Tgt Ion: 96 Resp: 988
Ion Ratio Lower Upper
96 100
61 145.8 102.8 154.2
98 35.0 49.3 73.9#

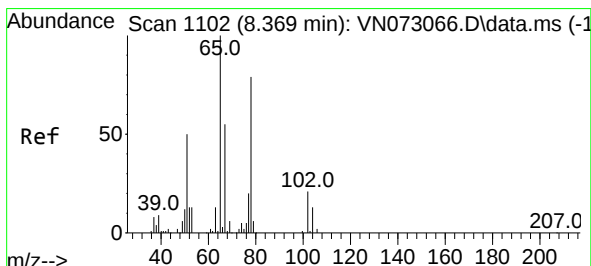
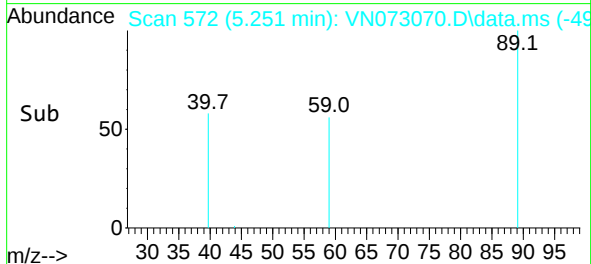
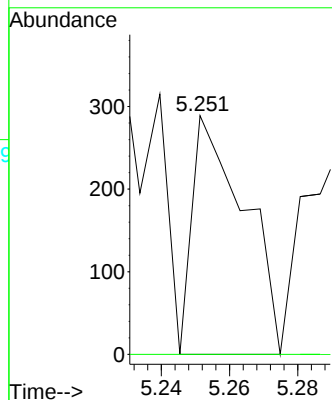
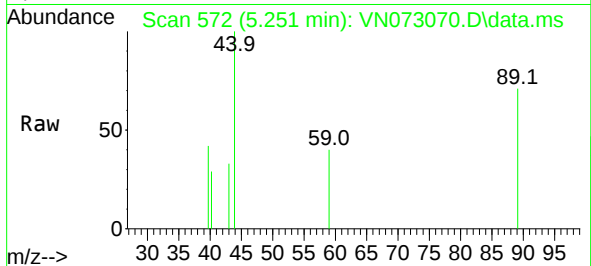




#23
tert-Butyl Alcohol
Concen: 0.332 ug/l
RT: 5.251 min Scan# 51
Delta R.T. -0.035 min
Lab File: VN073070.D
Acq: 24 Jun 2022 01:59

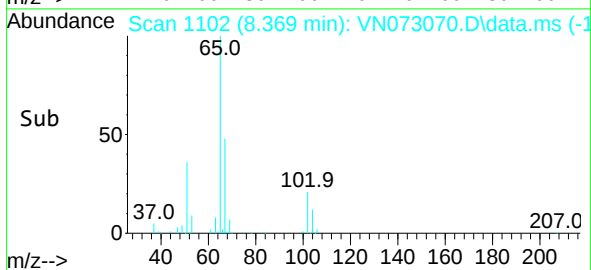
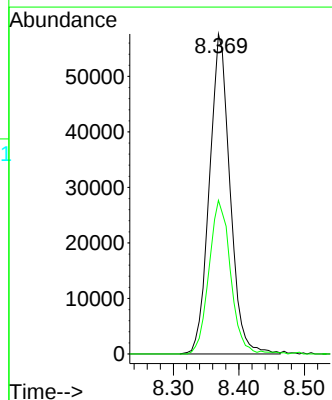
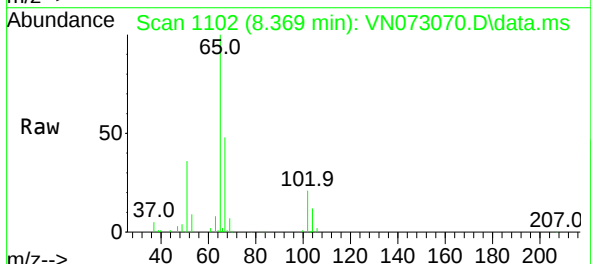
Instrument :
MSVOA_N
ClientSampleId :
IBLK

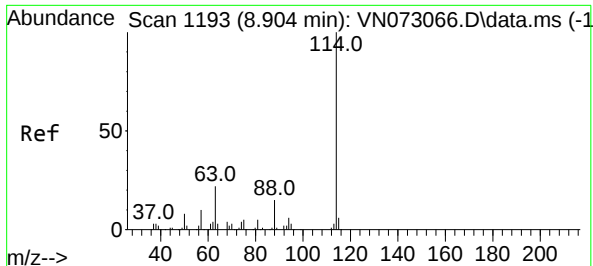
Tgt Ion: 59 Resp: 308
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 31.312 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN073070.D
Acq: 24 Jun 2022 01:59

Tgt Ion: 65 Resp: 125677
Ion Ratio Lower Upper
65 100
67 49.9 40.2 60.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN073070.D

Acq: 24 Jun 2022 01:59

Instrument :

MSVOA_N

ClientSampleId :

IBLK

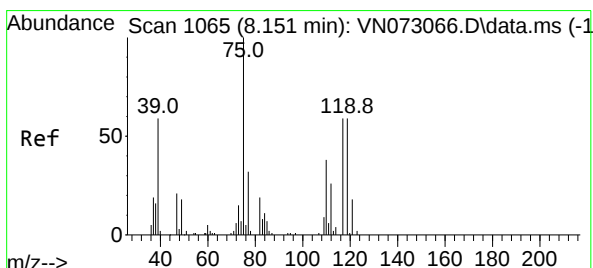
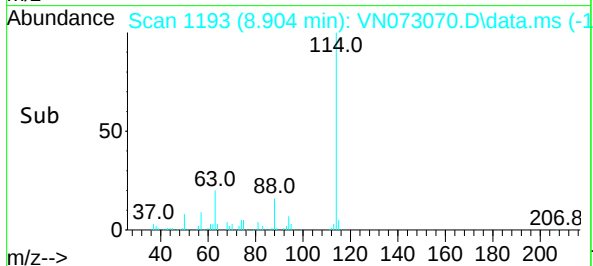
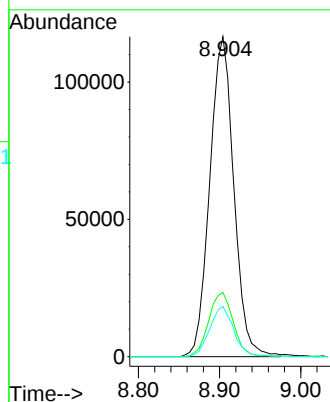
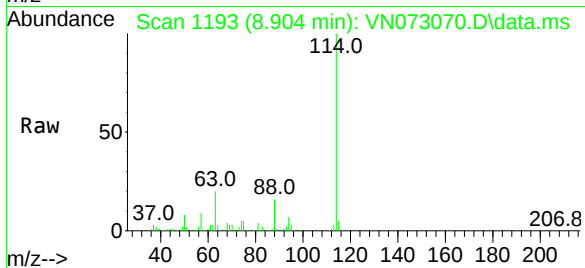
Tgt Ion:114 Resp: 239714

Ion Ratio Lower Upper

114 100

63 20.4 15.8 23.6

88 15.7 11.6 17.4



#29

1,1-Dichloropropene

Concen: 0.232 ug/l

RT: 8.157 min Scan# 1066

Delta R.T. 0.006 min

Lab File: VN073070.D

Acq: 24 Jun 2022 01:59

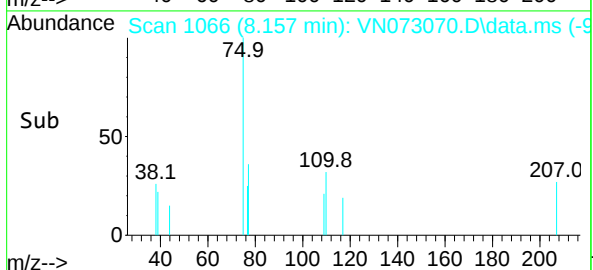
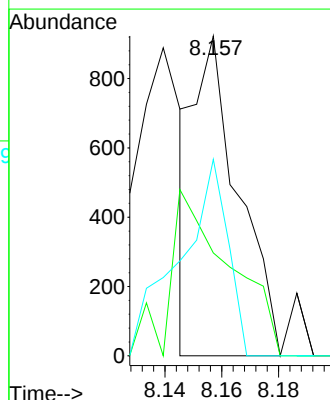
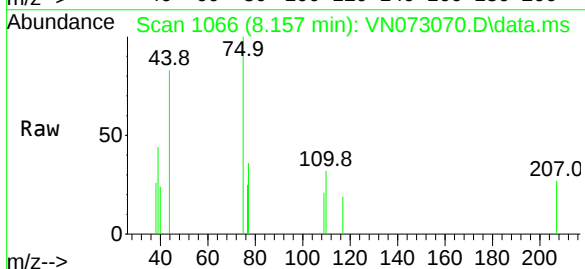
Tgt Ion: 75 Resp: 1007

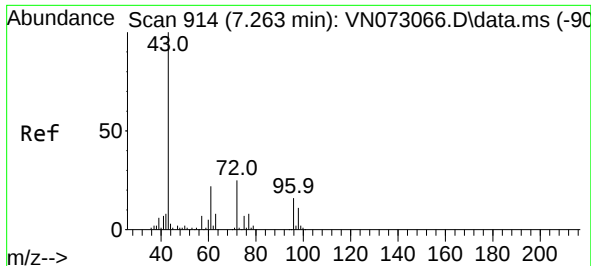
Ion Ratio Lower Upper

75 100

110 0.0 0.0 74.2

77 66.7 0.0 63.2#





#30

2-Butanone

Concen: 1.448 ug/l

RT: 7.281 min Scan# 914

Delta R.T. 0.018 min

Lab File: VN073070.D

Acq: 24 Jun 2022 01:59

Instrument :

MSVOA_N

ClientSampleId :

IBLK

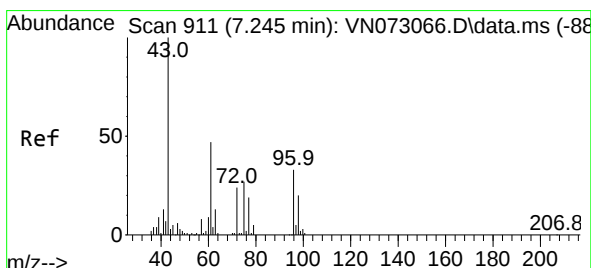
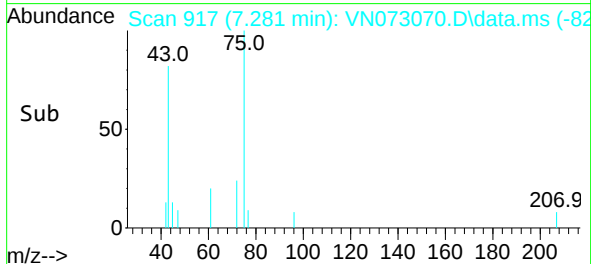
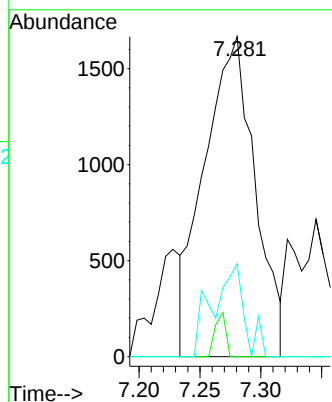
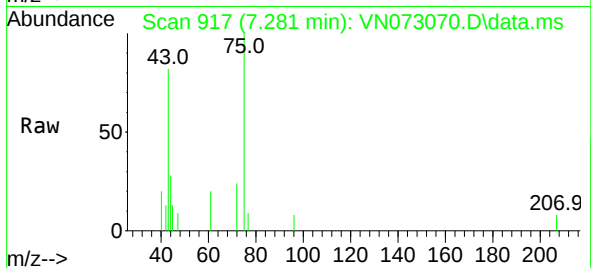
Tgt Ion: 43 Resp: 4832

Ion Ratio Lower Upper

43 100

57 2.9 6.7 10.1#

72 10.7 23.2 34.8#



#31

2,2-Dichloropropane

Concen: 0.658 ug/l

RT: 7.234 min Scan# 909

Delta R.T. -0.012 min

Lab File: VN073070.D

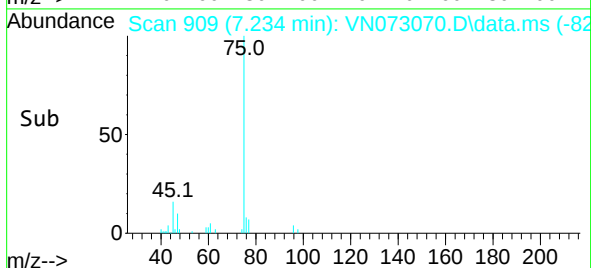
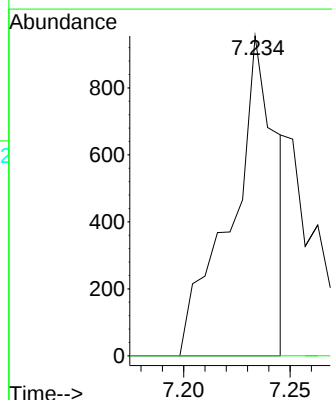
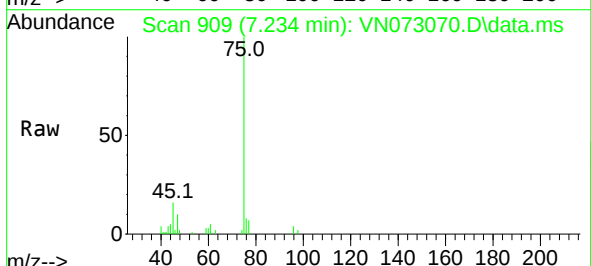
Acq: 24 Jun 2022 01:59

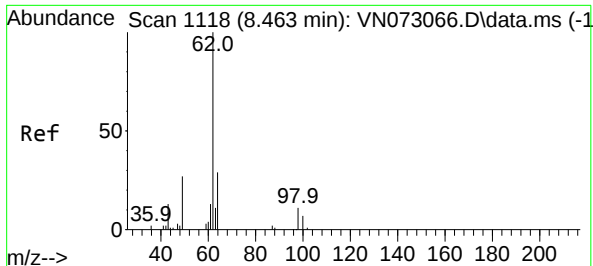
Tgt Ion: 77 Resp: 1395

Ion Ratio Lower Upper

77 100

97 0.0 18.3 27.5#





#36

1,2-Dichloroethane

Concen: 0.214 ug/l

RT: 8.463 min Scan# 1118

Delta R.T. 0.000 min

Lab File: VN073070.D

Acq: 24 Jun 2022 01:59

Instrument :

MSVOA_N

ClientSampleId :

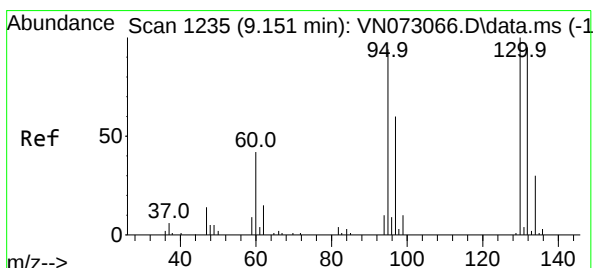
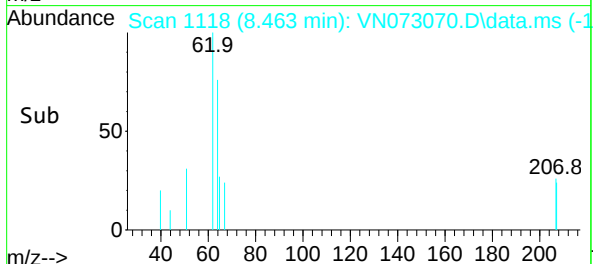
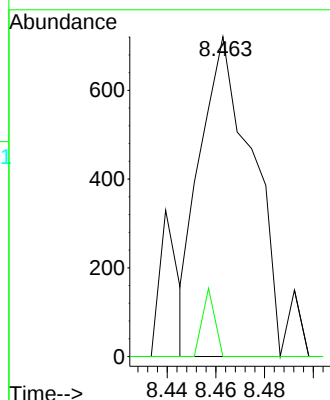
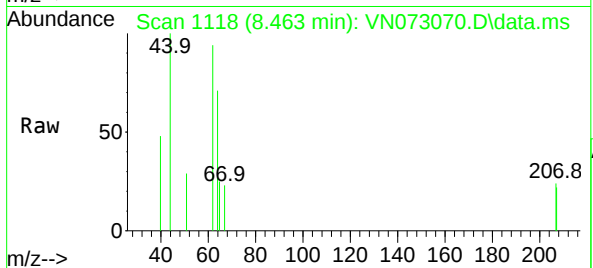
IBLK

Tgt Ion: 62 Resp: 1071

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#



#37

Trichloroethene

Concen: 0.545 ug/l

RT: 9.151 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VN073070.D

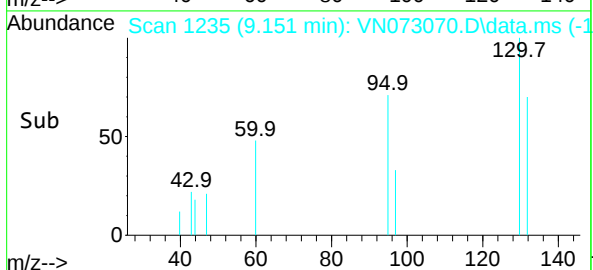
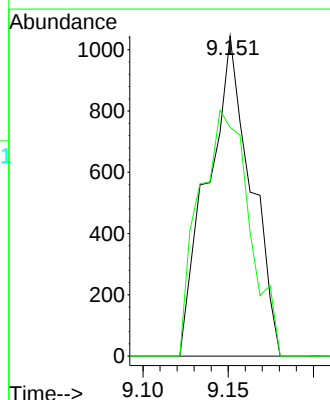
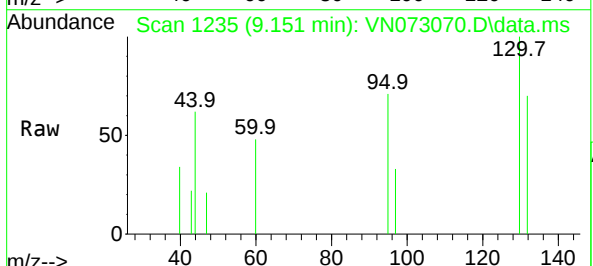
Acq: 24 Jun 2022 01:59

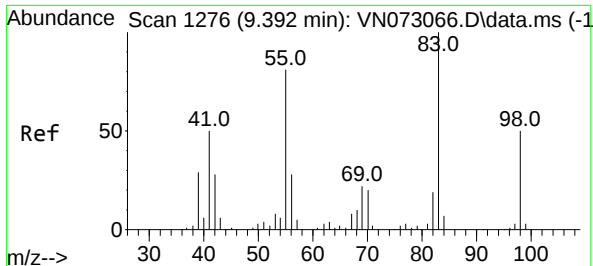
Tgt Ion:130 Resp: 1831

Ion Ratio Lower Upper

130 100

95 71.5 76.6 115.0#





#38

Methylcyclohexane

Concen: 0.247 ug/l

RT: 9.386 min Scan# 1275

Delta R.T. -0.006 min

Lab File: VN073070.D

Acq: 24 Jun 2022 01:59

Instrument :

MSVOA_N

ClientSampleId :

IBLK

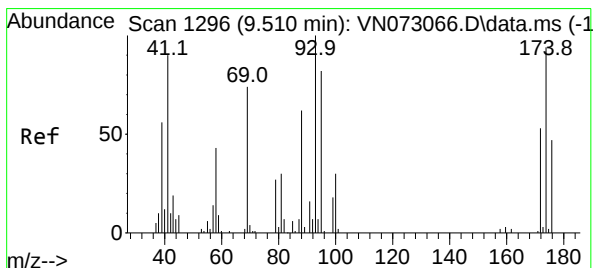
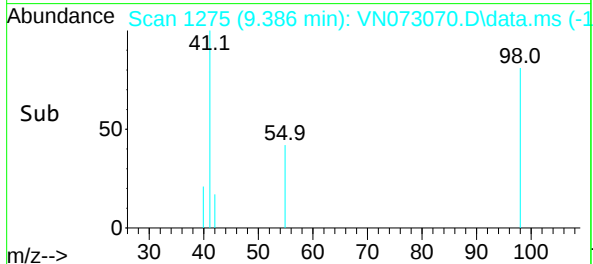
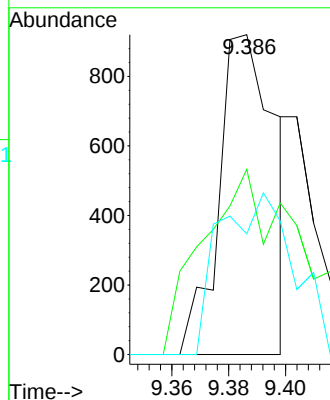
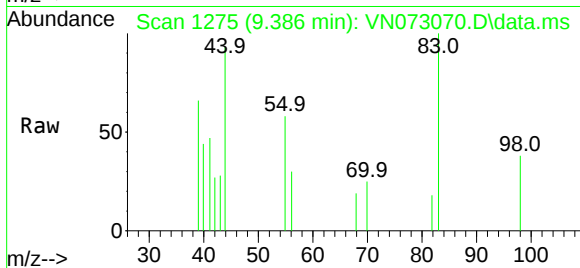
Tgt Ion: 83 Resp: 1268

Ion Ratio Lower Upper

83 100

55 60.9 35.1 105.3

98 31.2 23.4 70.2



#40

Dibromomethane

Concen: 0.302 ug/l

RT: 9.516 min Scan# 1297

Delta R.T. 0.006 min

Lab File: VN073070.D

Acq: 24 Jun 2022 01:59

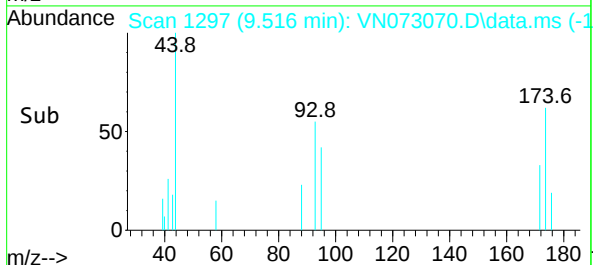
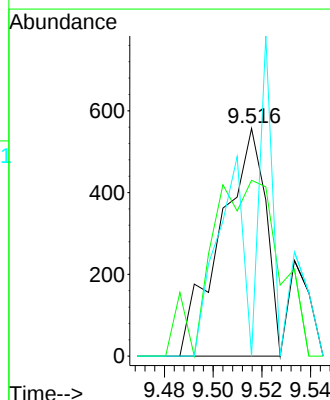
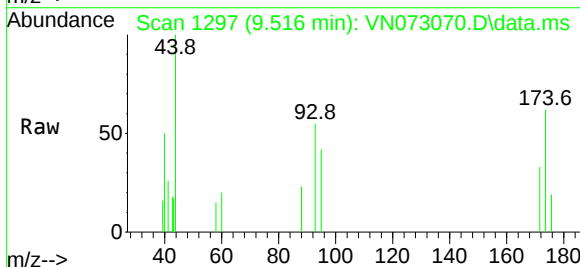
Tgt Ion: 93 Resp: 713

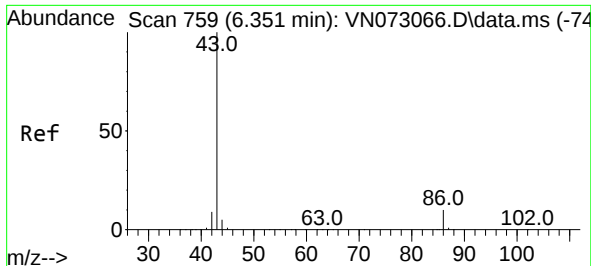
Ion Ratio Lower Upper

93 100

95 60.9 0.0 168.8

174 38.7 0.0 173.6

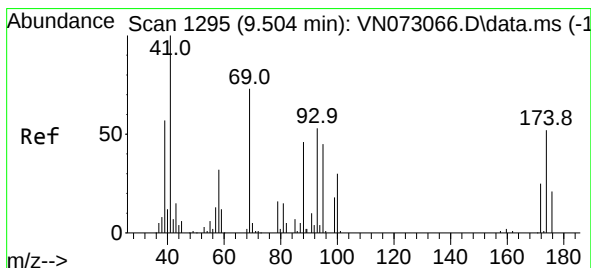
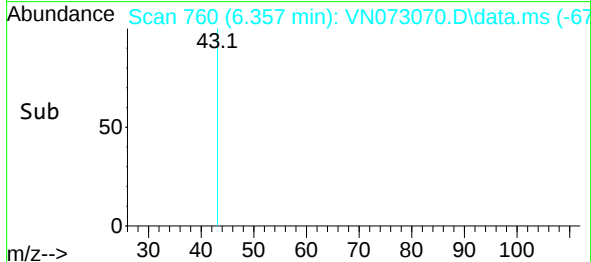
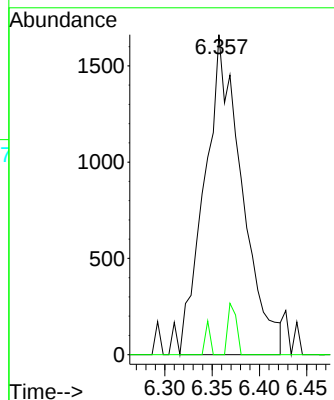
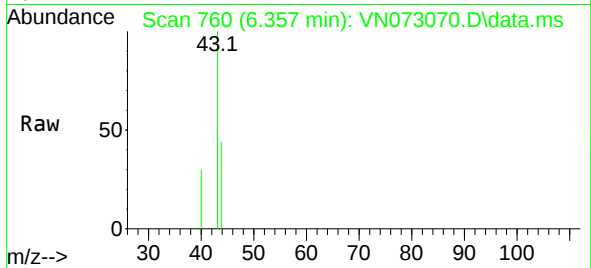




#42
 Vinyl Acetate
 Concen: 0.441 ug/l
 RT: 6.357 min Scan# 70
 Delta R.T. 0.006 min
 Lab File: VN073070.D
 Acq: 24 Jun 2022 01:59

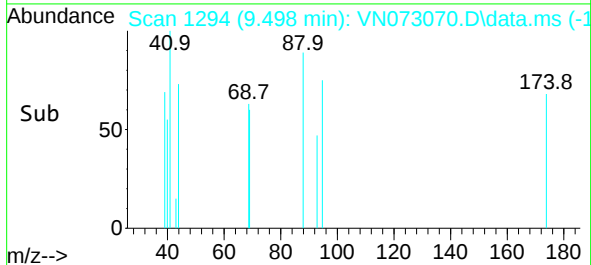
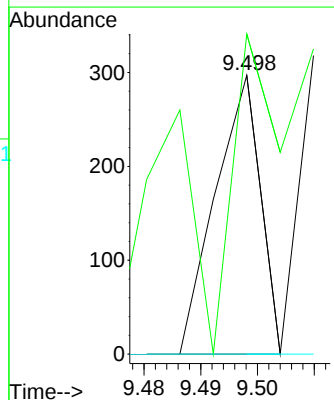
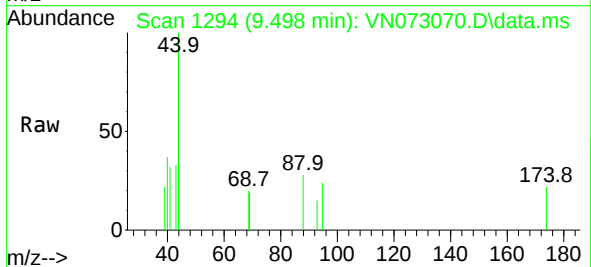
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

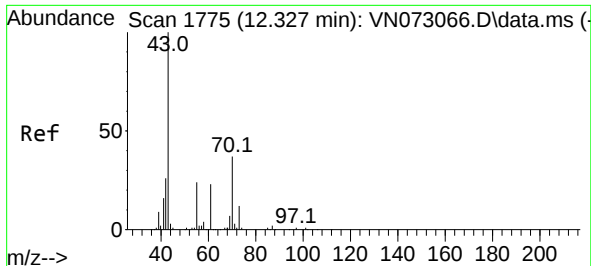
Tgt Ion: 43 Resp: 4551
 Ion Ratio Lower Upper
 43 100
 86 3.7 7.5 11.3#



#45
 1,4-Dioxane
 Concen: 1.885 ug/l
 RT: 9.498 min Scan# 1294
 Delta R.T. -0.006 min
 Lab File: VN073070.D
 Acq: 24 Jun 2022 01:59

Tgt Ion: 88 Resp: 163
 Ion Ratio Lower Upper
 88 100
 43 120.2 25.0 37.6#
 58 0.0 49.4 74.2#

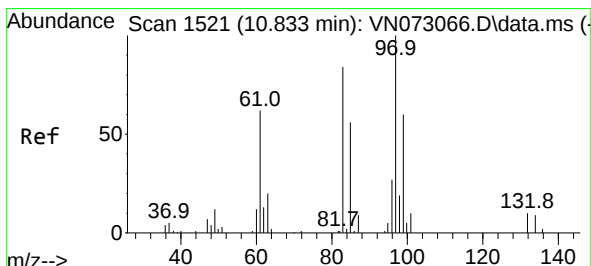
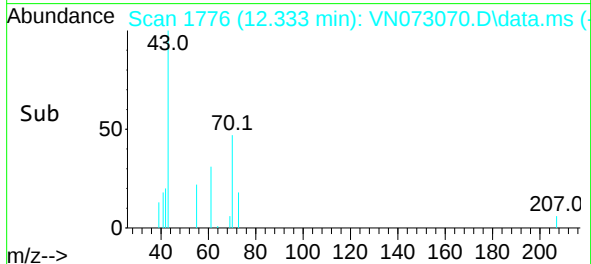
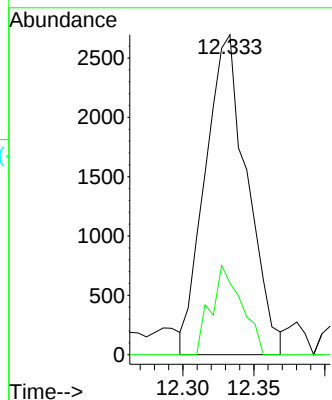
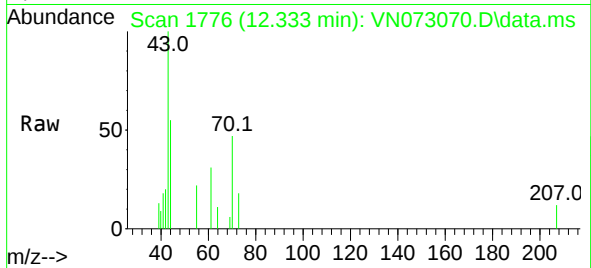




#47
n-amy1 Acetate
Concen: 0.714 ug/l
RT: 12.333 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073070.D
Acq: 24 Jun 2022 01:59

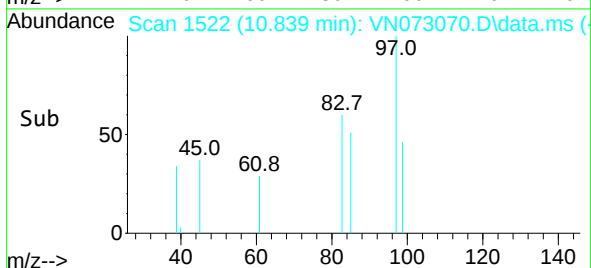
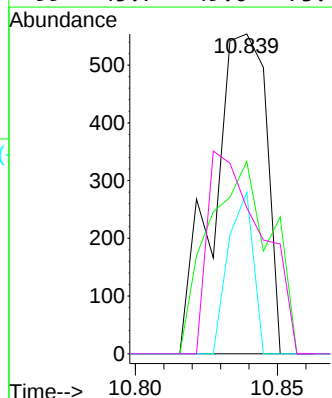
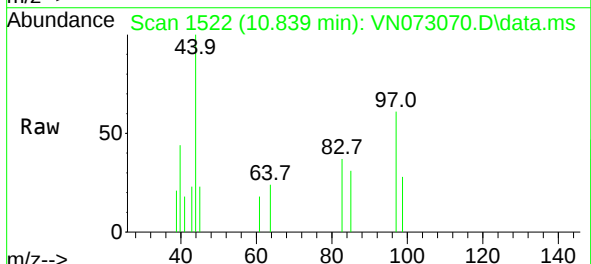
Instrument :
MSVOA_N
ClientSampleId :
IBLK

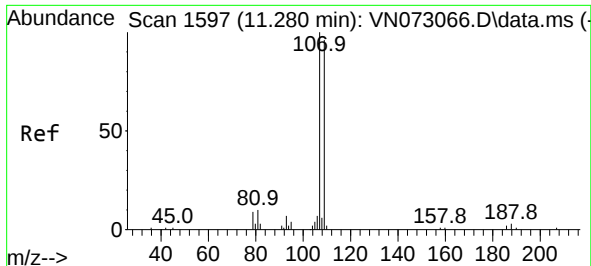
Tgt Ion: 43 Resp: 5552
Ion Ratio Lower Upper
43 100
55 20.2 19.0 28.6



#50
1,1,2-Trichloroethane
Concen: 0.209 ug/l
RT: 10.839 min Scan# 1522
Delta R.T. 0.006 min
Lab File: VN073070.D
Acq: 24 Jun 2022 01:59

Tgt Ion: 97 Resp: 715
Ion Ratio Lower Upper
97 100
83 60.1 67.2 100.8#
85 50.5 43.0 64.4
99 45.7 49.0 73.4#

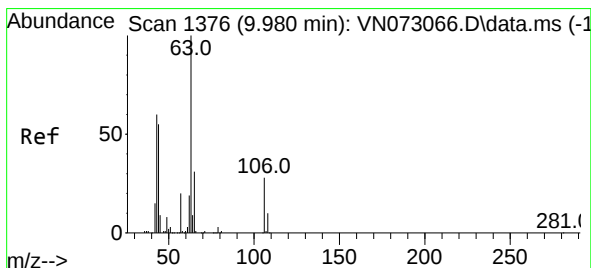
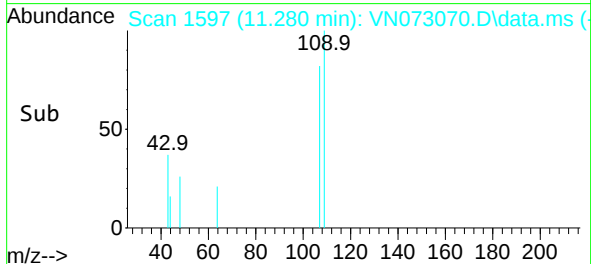
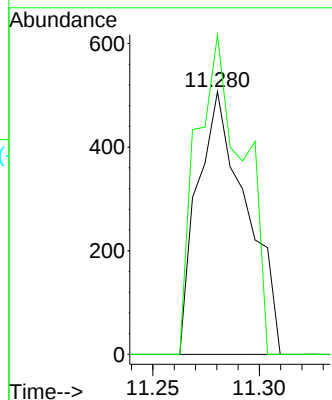
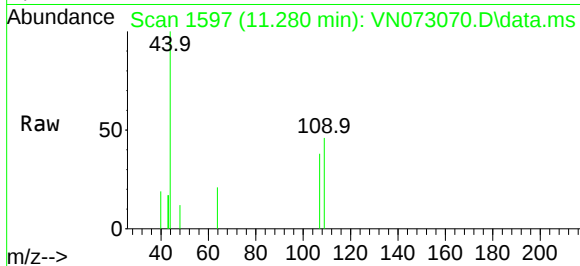




#54
1,2-Dibromoethane
Concen: 0.225 ug/l
RT: 11.280 min Scan# 1597
Delta R.T. 0.000 min
Lab File: VN073070.D
Acq: 24 Jun 2022 01:59

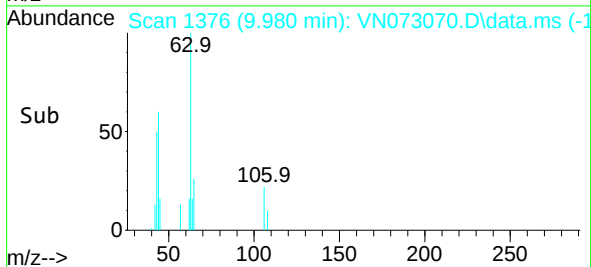
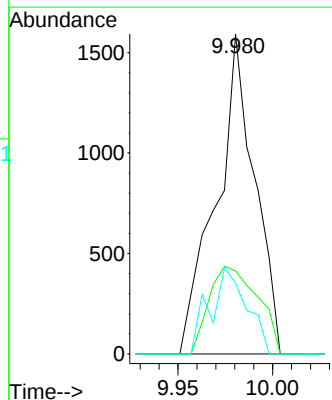
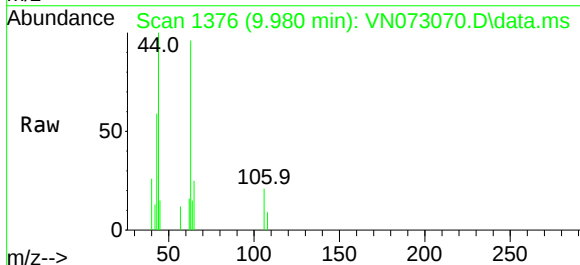
Instrument :
MSVOA_N
ClientSampleId :
IBLK

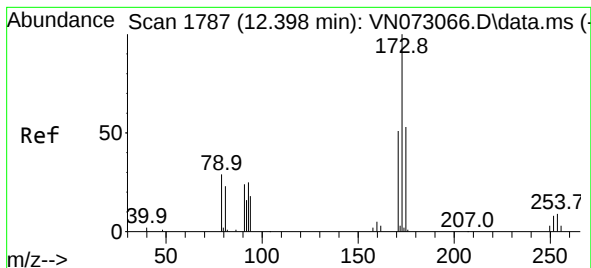
Tgt Ion:107 Resp: 807
Ion Ratio Lower Upper
107 100
109 99.0 72.8 109.2



#55
2-Chloroethyl vinyl ether
Concen: 0.906 ug/l
RT: 9.980 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VN073070.D
Acq: 24 Jun 2022 01:59

Tgt Ion: 63 Resp: 2240
Ion Ratio Lower Upper
63 100
65 34.6 25.4 38.0
106 25.9 23.2 34.8





#56

Bromoform

Concen: 0.201 ug/l

RT: 12.404 min Scan# 1788

Delta R.T. 0.006 min

Lab File: VN073070.D

Acq: 24 Jun 2022 01:59

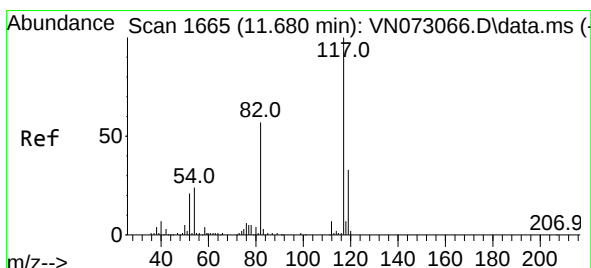
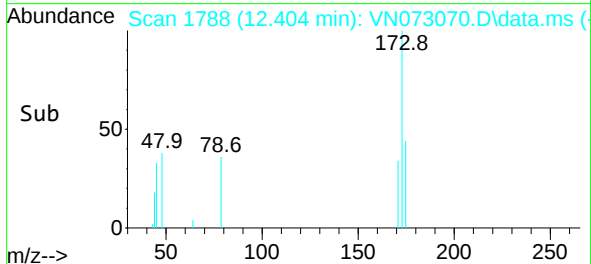
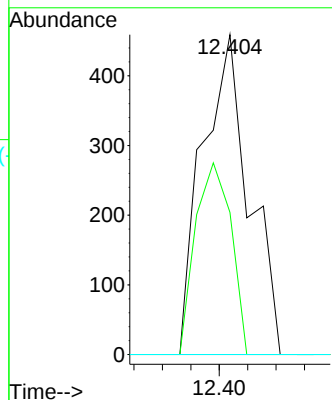
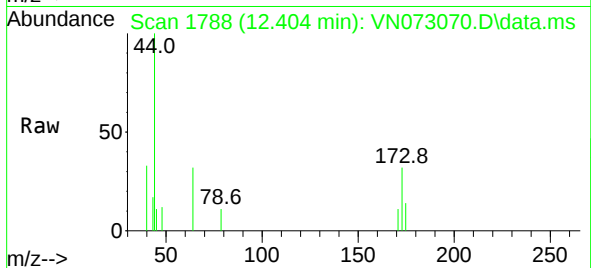
Instrument :

MSVOA_N

ClientSampleId :

IBLK

Tgt Ion:173	Resp:	524
Ion Ratio	Lower	Upper
173	100	
175	45.8	38.6 58.0
254	0.0	0.0 0.0



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

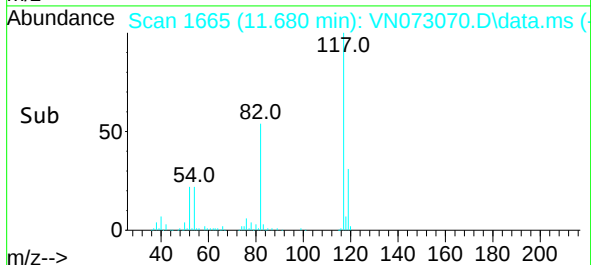
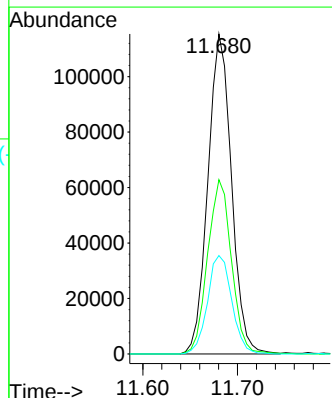
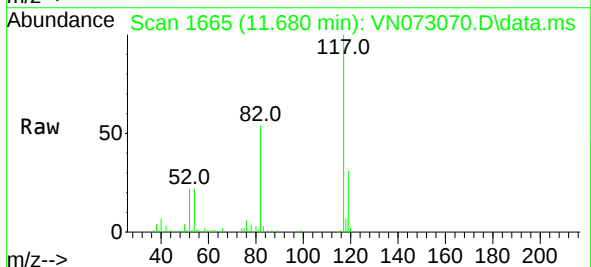
RT: 11.680 min Scan# 1665

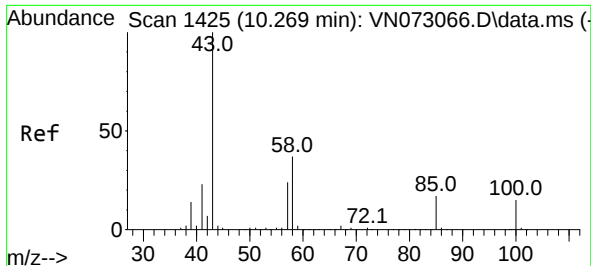
Delta R.T. 0.000 min

Lab File: VN073070.D

Acq: 24 Jun 2022 01:59

Tgt Ion:117	Resp:	200142
Ion Ratio	Lower	Upper
117	100	
82	55.1	43.6 65.4
119	31.7	25.8 38.6





#58

4-Methyl-2-Pentanone

Concen: 0.824 ug/l

RT: 10.269 min Scan# 1425

Delta R.T. 0.000 min

Lab File: VN073070.D

Acq: 24 Jun 2022 01:59

Instrument :

MSVOA_N

ClientSampleId :

IBLK

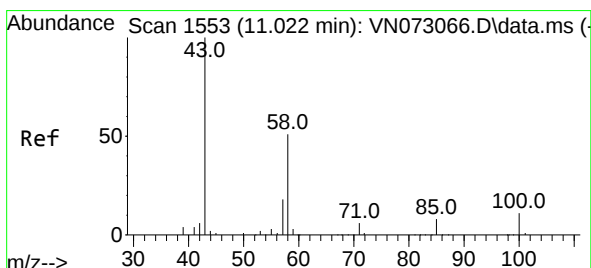
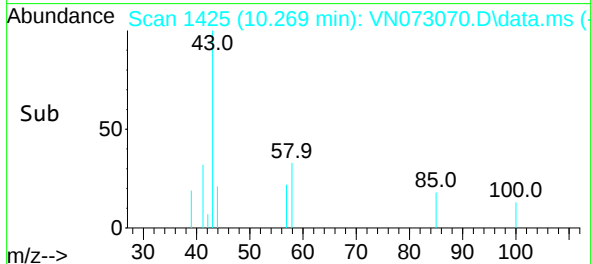
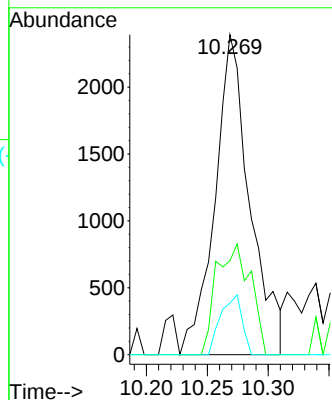
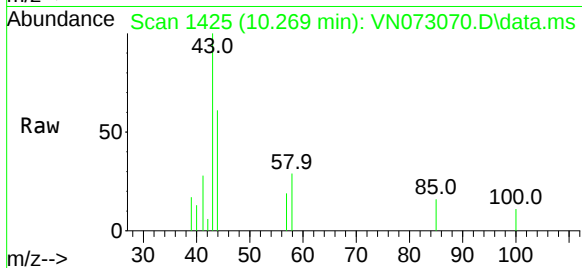
Tgt Ion: 43 Resp: 4796

Ion Ratio Lower Upper

43 100

58 22.1 30.0 45.0#

85 11.4 15.0 22.6#



#59

2-Hexanone

Concen: 2.288 ug/l

RT: 11.027 min Scan# 1554

Delta R.T. 0.006 min

Lab File: VN073070.D

Acq: 24 Jun 2022 01:59

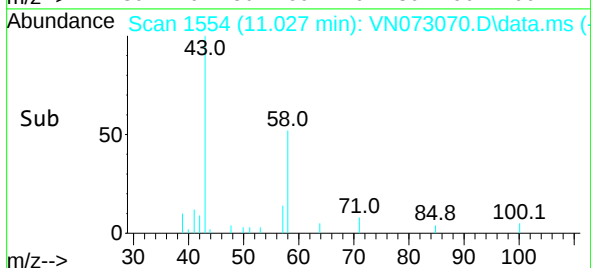
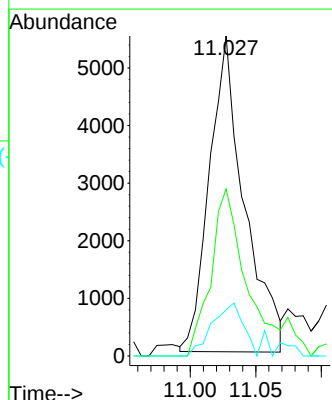
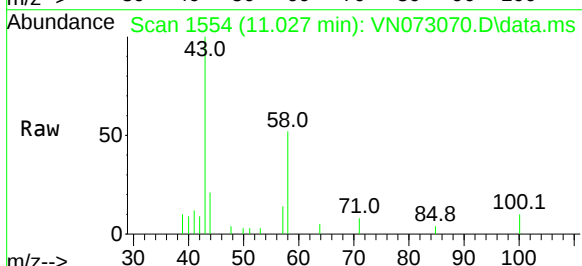
Tgt Ion: 43 Resp: 10172

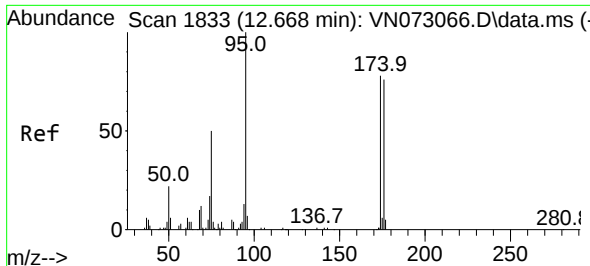
Ion Ratio Lower Upper

43 100

58 52.8 42.2 63.2

57 14.9 15.0 22.4#

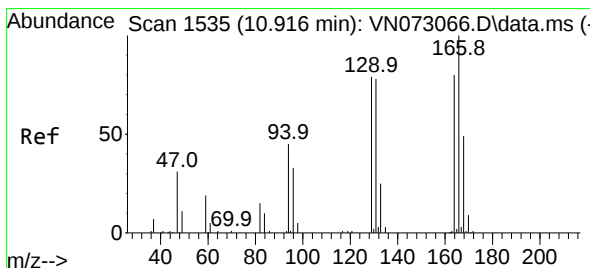
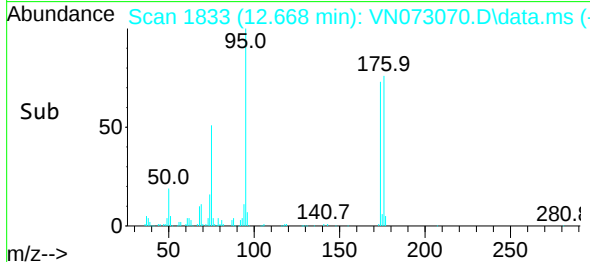
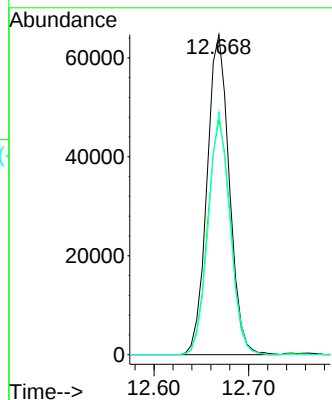
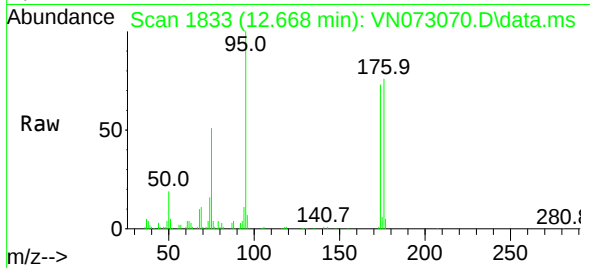




#60
4-Bromofluorobenzene
Concen: 27.653 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN073070.D
Acq: 24 Jun 2022 01:59

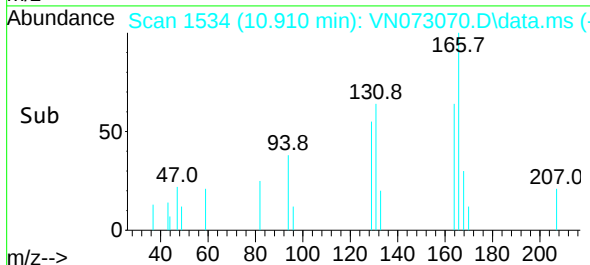
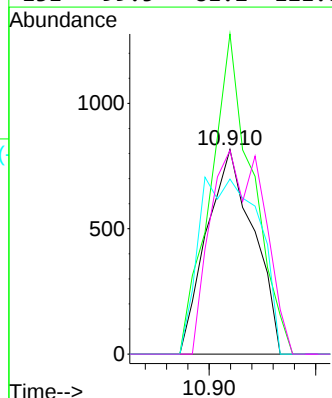
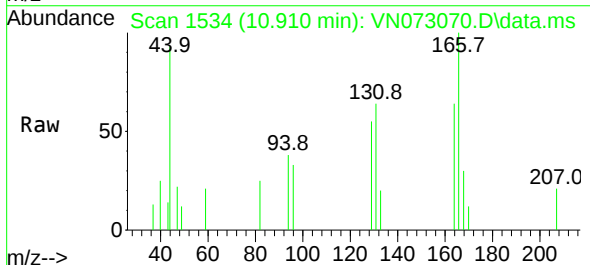
Instrument :
MSVOA_N
ClientSampleId :
IBLK

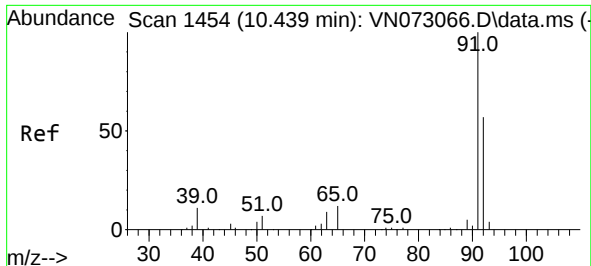
Tgt Ion: 95 Resp: 105888
Ion Ratio Lower Upper
95 100
174 75.1 62.9 94.3
176 73.7 61.0 91.4



#61
Tetrachloroethene
Concen: 0.482 ug/l
RT: 10.910 min Scan# 1534
Delta R.T. -0.006 min
Lab File: VN073070.D
Acq: 24 Jun 2022 01:59

Tgt Ion: 164 Resp: 1247
Ion Ratio Lower Upper
164 100
166 156.5 105.8 158.8
129 85.5 82.5 123.7
131 99.5 81.2 121.8

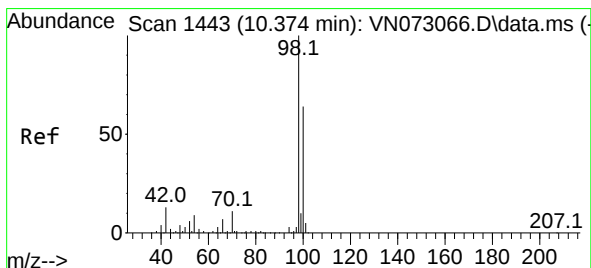
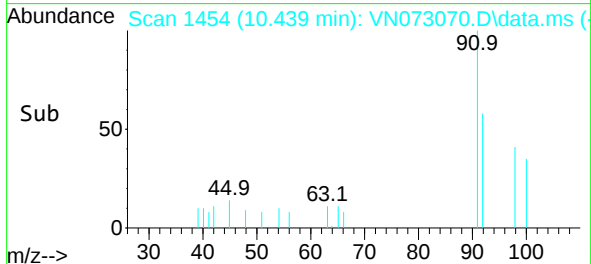
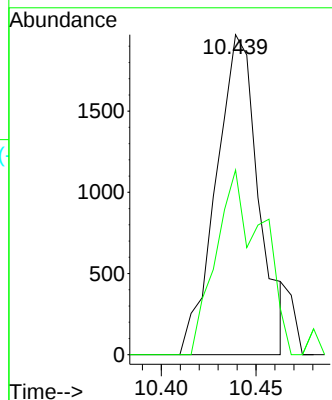
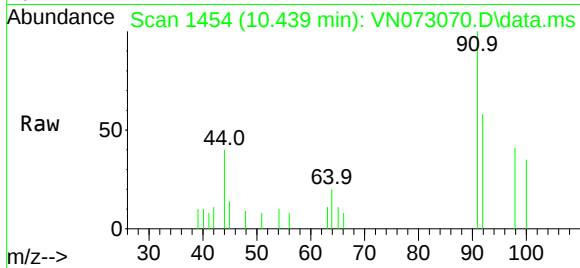




#62
Toluene
Concen: 0.232 ug/l
RT: 10.439 min Scan# 1454
Delta R.T. 0.000 min
Lab File: VN073070.D
Acq: 24 Jun 2022 01:59

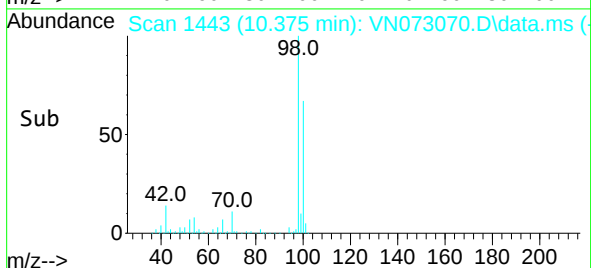
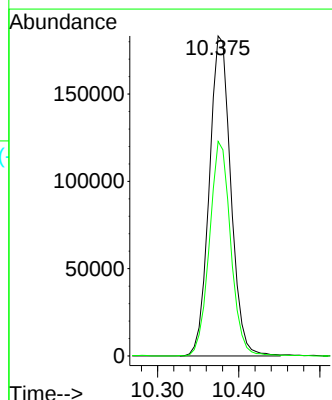
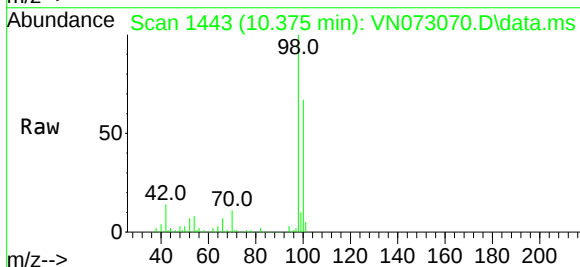
Instrument :
MSVOA_N
ClientSampleId :
IBLK

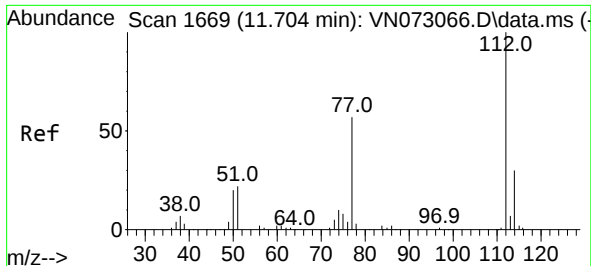
Tgt Ion: 91 Resp: 3086
Ion Ratio Lower Upper
91 100
92 40.7 44.6 67.0#



#63
Toluene-d8
Concen: 31.195 ug/l
RT: 10.375 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN073070.D
Acq: 24 Jun 2022 01:59

Tgt Ion: 98 Resp: 338094
Ion Ratio Lower Upper
98 100
100 66.0 50.6 76.0





#64

Chlorobenzene

Concen: 0.484 ug/l

RT: 11.710 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN073070.D

Acq: 24 Jun 2022 01:59

Instrument :

MSVOA_N

ClientSampleId :

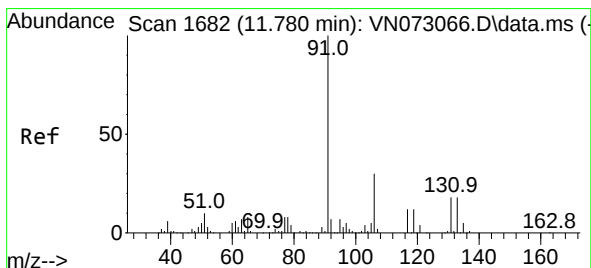
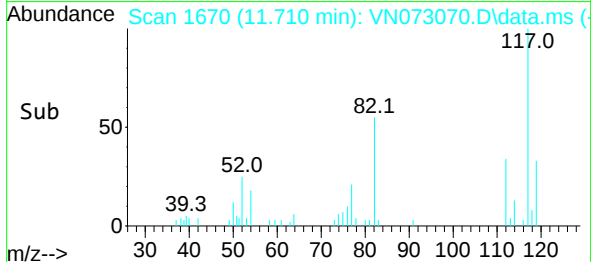
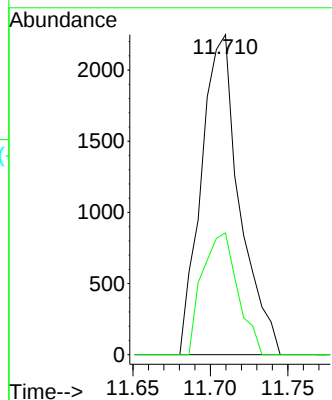
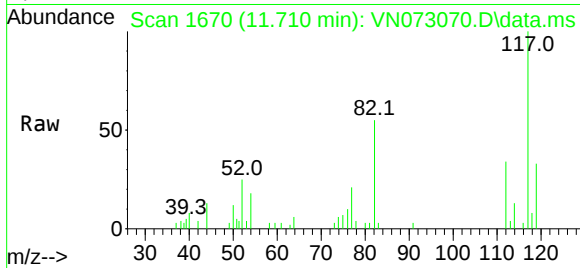
IBLK

Tgt Ion:112 Resp: 3871

Ion Ratio Lower Upper

112 100

114 38.1 25.8 38.6



#66

Ethyl Benzene

Concen: 0.312 ug/l

RT: 11.780 min Scan# 1682

Delta R.T. 0.000 min

Lab File: VN073070.D

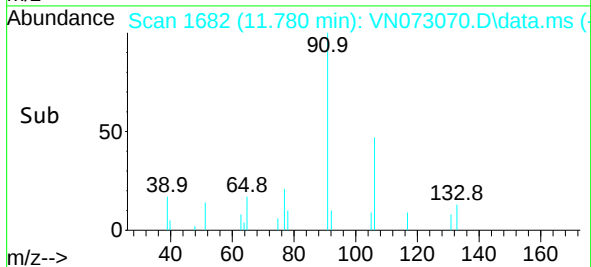
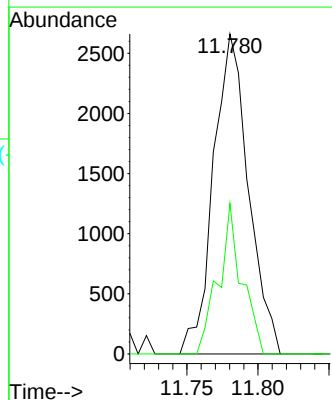
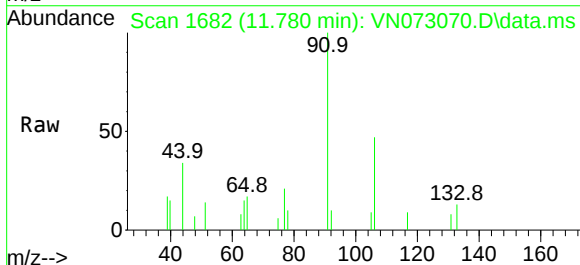
Acq: 24 Jun 2022 01:59

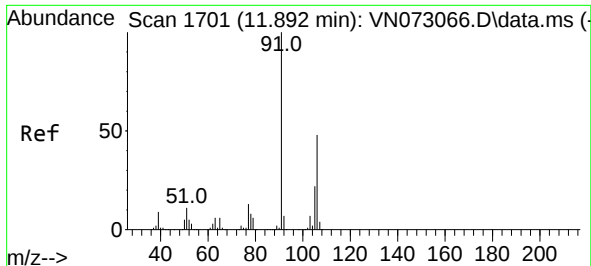
Tgt Ion: 91 Resp: 4566

Ion Ratio Lower Upper

91 100

106 47.0 24.0 36.0#

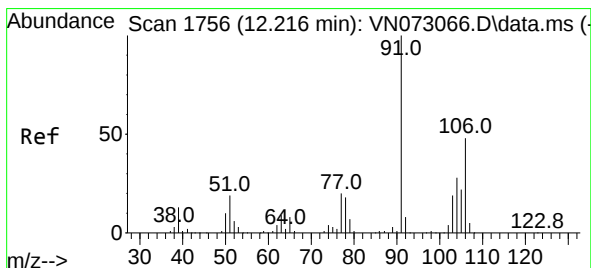
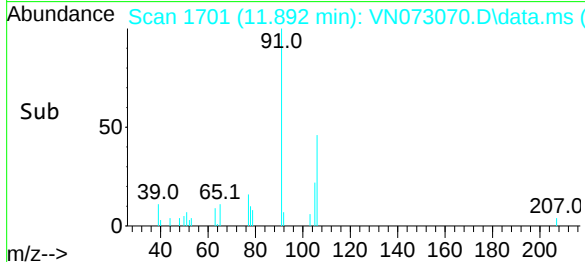
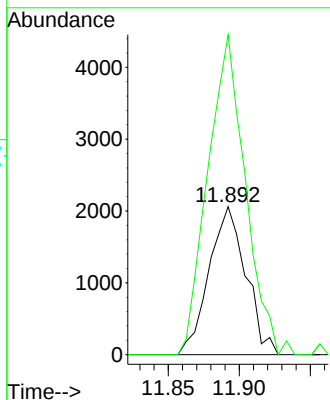
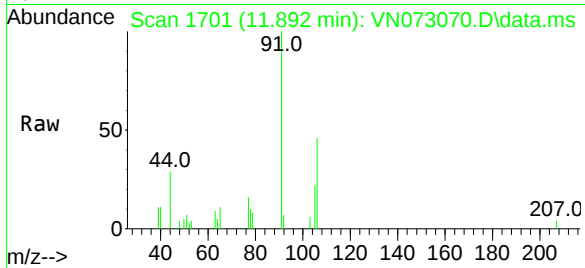




#67
m/p-Xylenes
Concen: 0.676 ug/l
RT: 11.892 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN073070.D
Acq: 24 Jun 2022 01:59

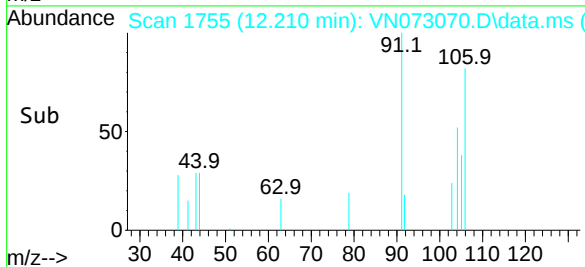
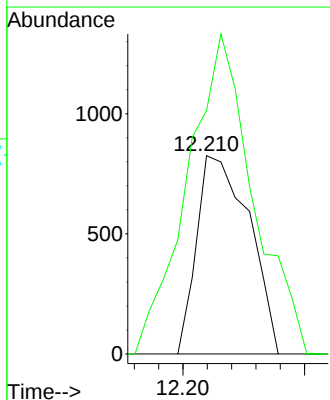
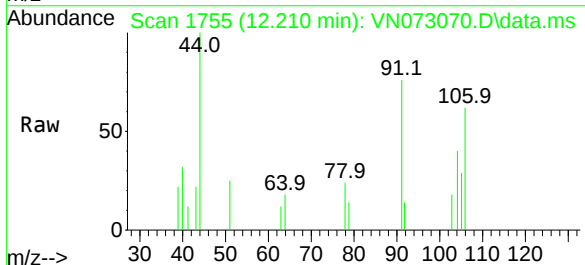
Instrument :
MSVOA_N
ClientSampleId :
IBLK

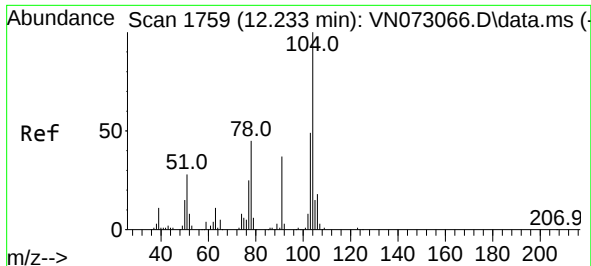
Tgt Ion:106 Resp: 3716
Ion Ratio Lower Upper
106 100
91 219.1 162.9 244.3



#68
o-Xylene
Concen: 0.222 ug/l
RT: 12.210 min Scan# 1755
Delta R.T. -0.006 min
Lab File: VN073070.D
Acq: 24 Jun 2022 01:59

Tgt Ion:106 Resp: 1234
Ion Ratio Lower Upper
106 100
91 202.1 107.7 323.1

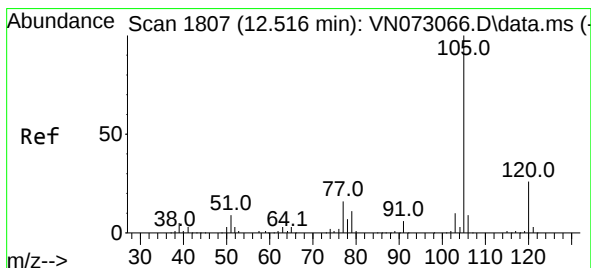
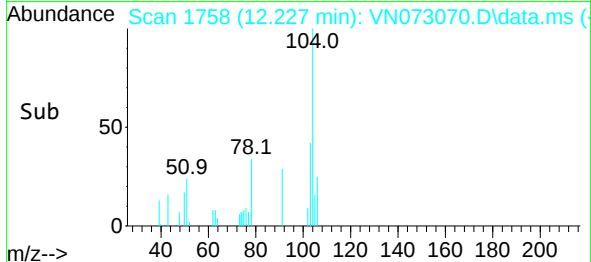
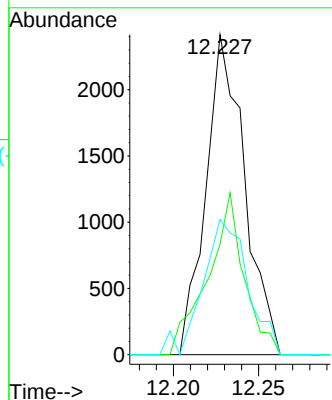
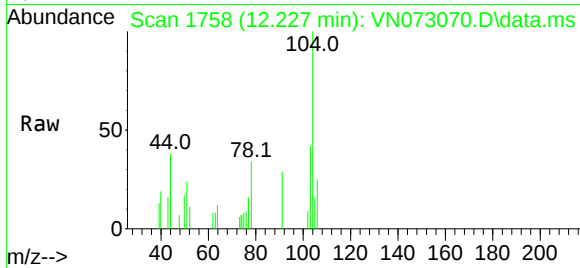




#69
Styrene
Concen: 0.429 ug/l
RT: 12.227 min Scan# 1758
Delta R.T. -0.006 min
Lab File: VN073070.D
Acq: 24 Jun 2022 01:59

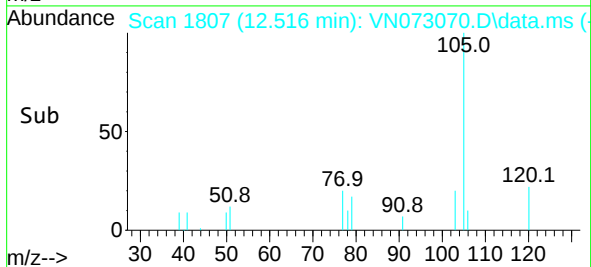
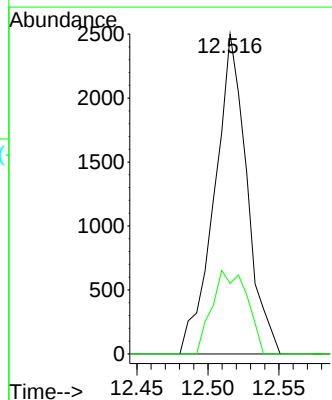
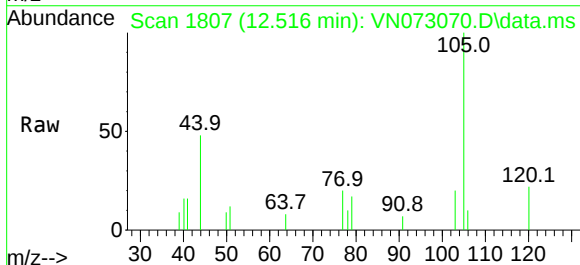
Instrument :
MSVOA_N
ClientSampleId :
IBLK

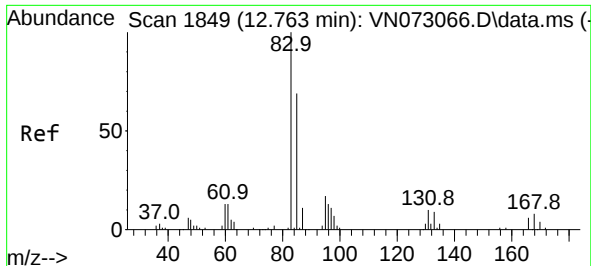
Tgt Ion:104 Resp: 3811
Ion Ratio Lower Upper
104 100
78 47.5 40.7 61.1
103 47.6 45.8 68.8



#70
Isopropylbenzene
Concen: 0.278 ug/l
RT: 12.516 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN073070.D
Acq: 24 Jun 2022 01:59

Tgt Ion:105 Resp: 3948
Ion Ratio Lower Upper
105 100
120 28.2 18.3 34.1

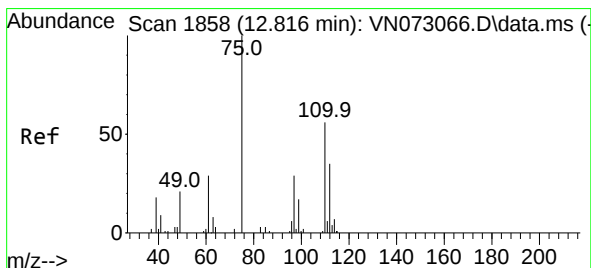
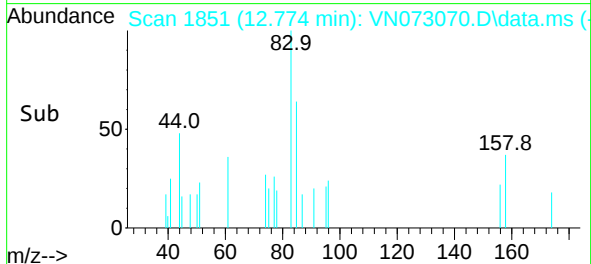
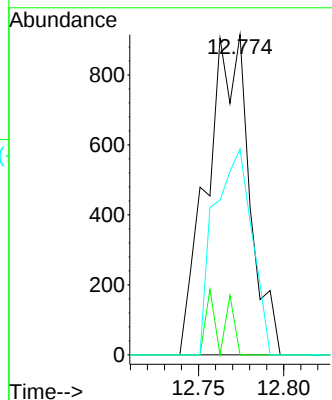
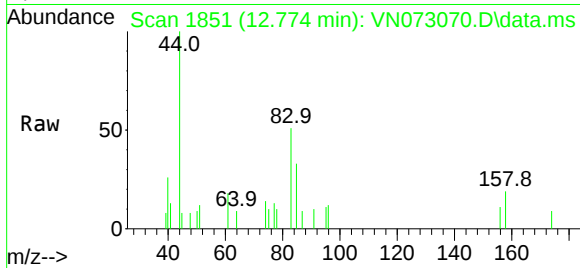




#71
1,1,2,2-Tetrachloroethane
Concen: 0.321 ug/l
RT: 12.774 min Scan# 1851
Delta R.T. 0.012 min
Lab File: VN073070.D
Acq: 24 Jun 2022 01:59

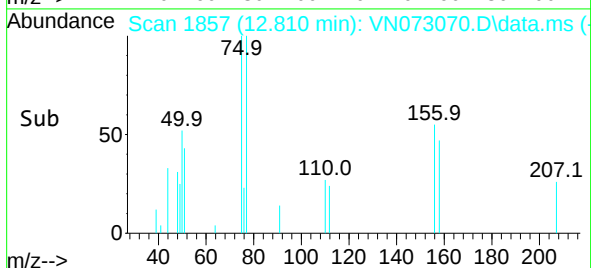
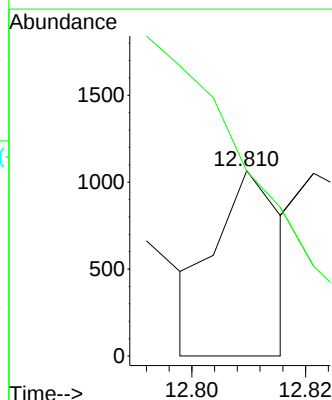
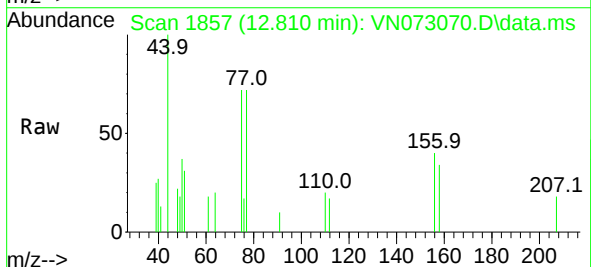
Instrument :
MSVOA_N
ClientSampleId :
IBLK

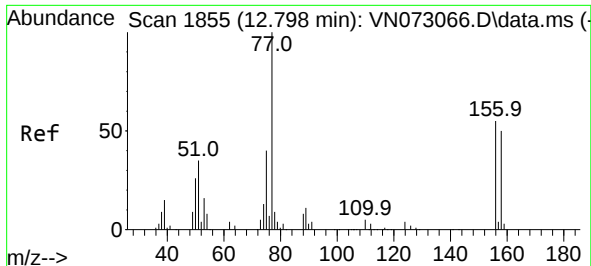
Tgt Ion: 83 Resp: 1574
Ion Ratio Lower Upper
83 100
131 4.2 5.1 15.3#
85 57.4 33.1 99.2



#72
1,2,3-Trichloropropane
Concen: 0.230 ug/l
RT: 12.810 min Scan# 1857
Delta R.T. -0.006 min
Lab File: VN073070.D
Acq: 24 Jun 2022 01:59

Tgt Ion: 75 Resp: 866
Ion Ratio Lower Upper
75 100
77 0.0 0.0 378.0

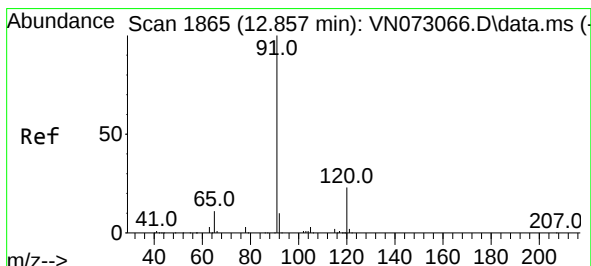
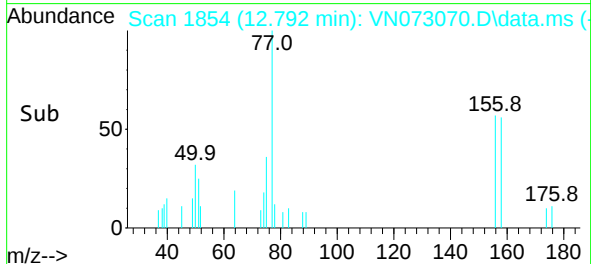
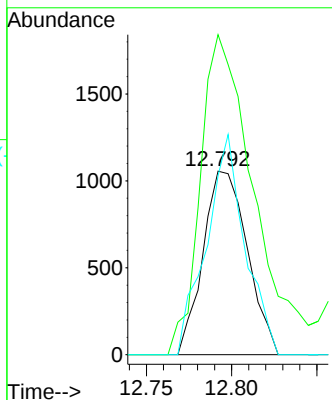
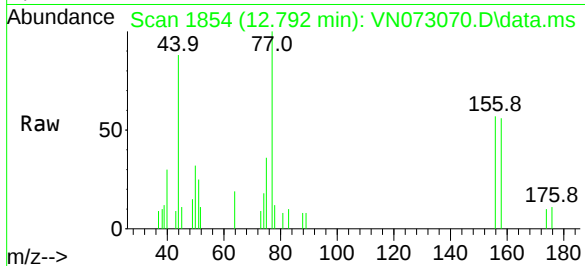




#73
Bromobenzene
Concen: 0.576 ug/l
RT: 12.792 min Scan# 1854
Delta R.T. -0.006 min
Lab File: VN073070.D
Acq: 24 Jun 2022 01:59

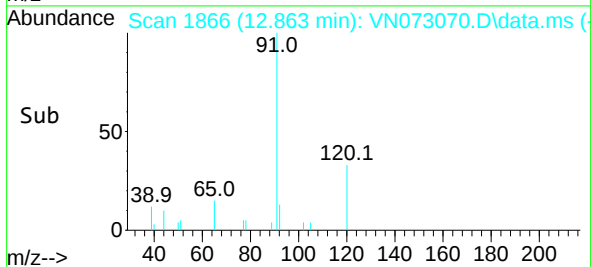
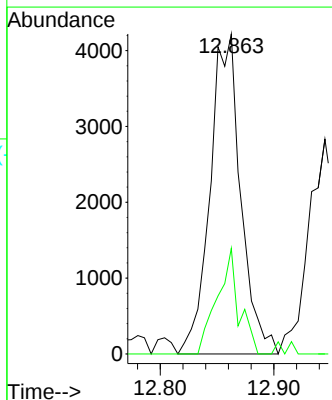
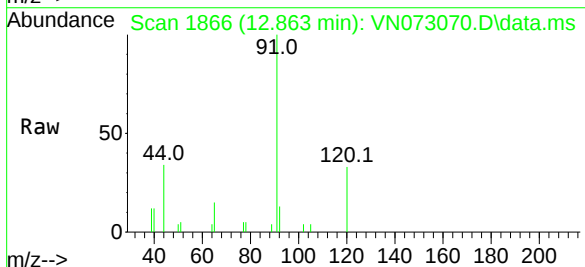
Instrument :
MSVOA_N
ClientSampleId :
IBLK

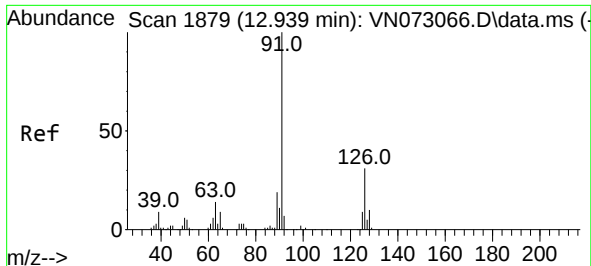
Tgt Ion:156 Resp: 1908
Ion Ratio Lower Upper
156 100
77 209.9 0.0 416.0
158 104.4 0.0 195.4



#74
n-propylbenzene
Concen: 0.490 ug/l
RT: 12.863 min Scan# 1866
Delta R.T. 0.006 min
Lab File: VN073070.D
Acq: 24 Jun 2022 01:59

Tgt Ion: 91 Resp: 7888
Ion Ratio Lower Upper
91 100
120 19.5 0.0 45.0

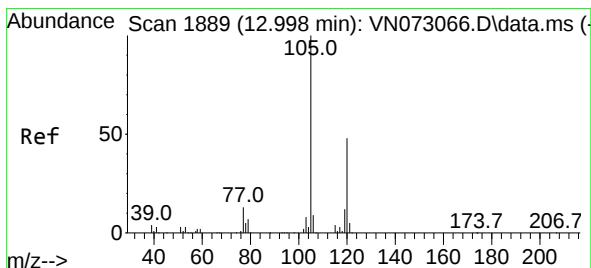
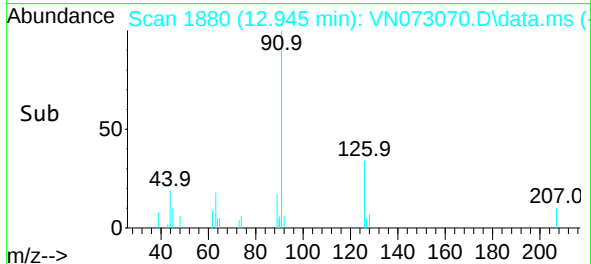
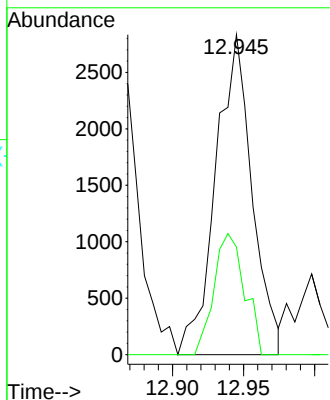
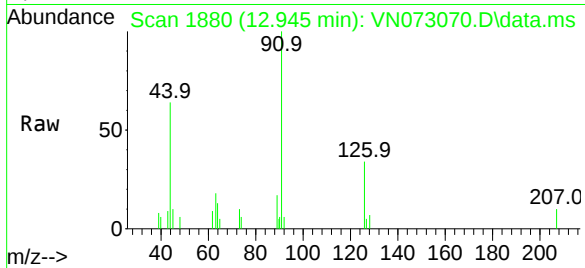




#75
2-Chlorotoluene
Concen: 0.502 ug/l
RT: 12.945 min Scan# 1879
Delta R.T. 0.006 min
Lab File: VN073070.D
Acq: 24 Jun 2022 01:59

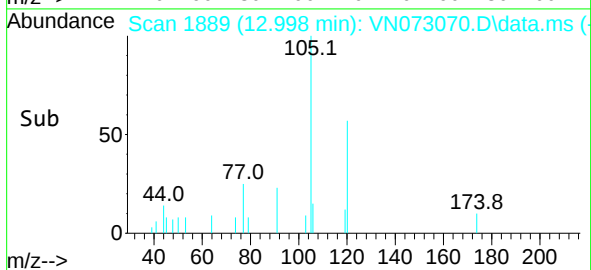
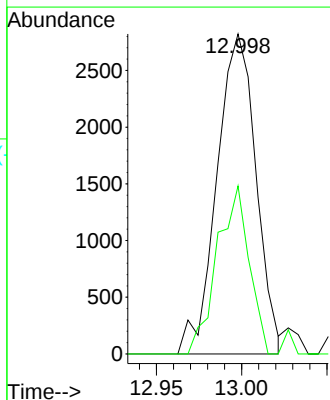
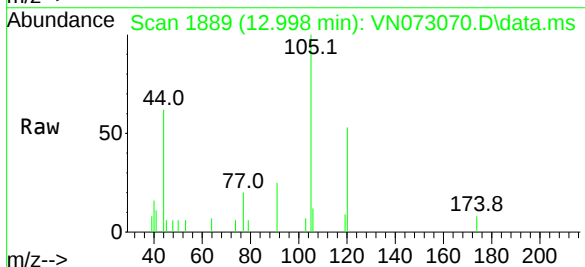
Instrument :
MSVOA_N
ClientSampleId :
IBLK

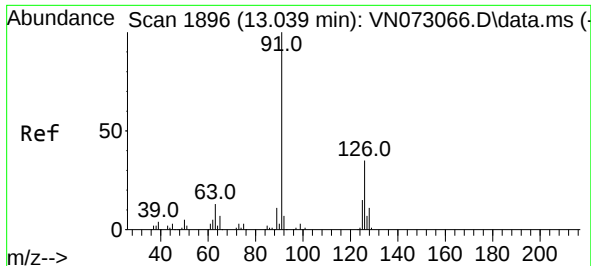
Tgt Ion: 91 Resp: 5053
Ion Ratio Lower Upper
91 100
126 31.9 0.0 69.8



#76
1,3,5-Trimethylbenzene
Concen: 0.382 ug/l
RT: 12.998 min Scan# 1889
Delta R.T. 0.000 min
Lab File: VN073070.D
Acq: 24 Jun 2022 01:59

Tgt Ion: 105 Resp: 4513
Ion Ratio Lower Upper
105 100
120 42.9 0.0 93.8

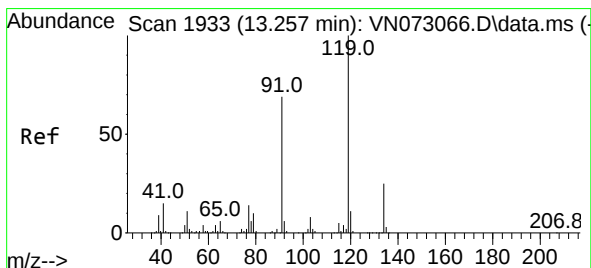
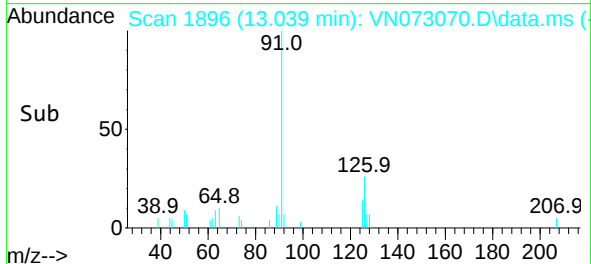
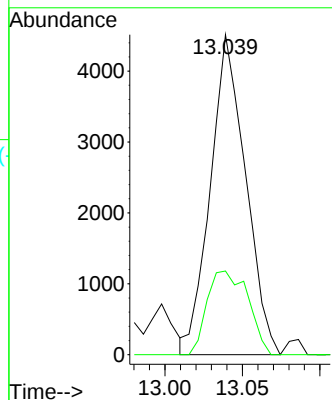
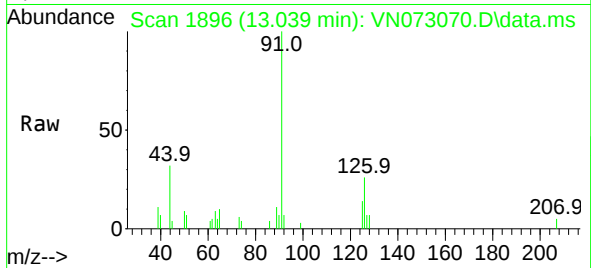




#78
4-Chlorotoluene
Concen: 0.735 ug/l
RT: 13.039 min Scan# 1896
Delta R.T. 0.000 min
Lab File: VN073070.D
Acq: 24 Jun 2022 01:59

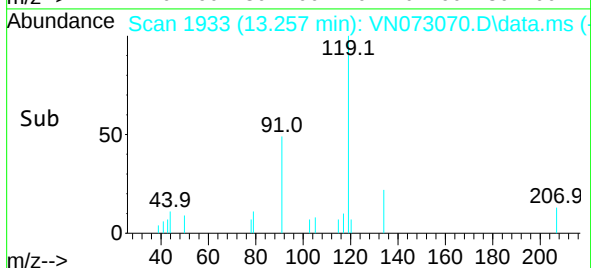
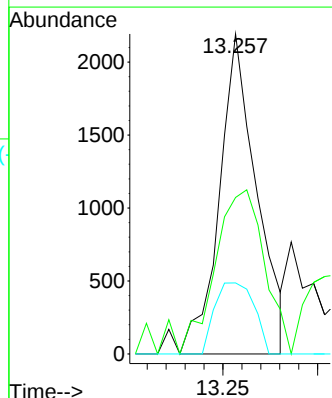
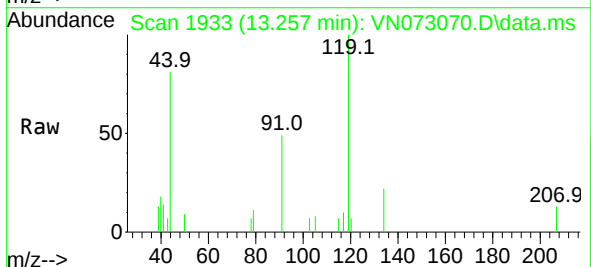
Instrument :
MSVOA_N
ClientSampleId :
IBLK

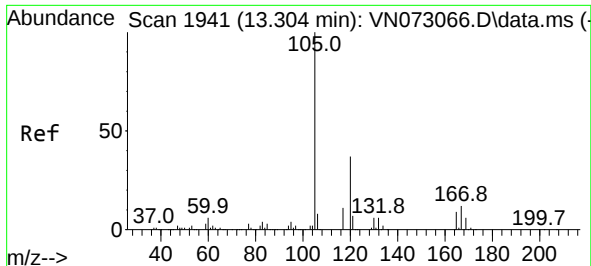
Tgt Ion: 91 Resp: 7119
Ion Ratio Lower Upper
91 100
126 30.5 0.0 70.6



#79
tert-butylbenzene
Concen: 0.288 ug/l
RT: 13.257 min Scan# 1933
Delta R.T. 0.000 min
Lab File: VN073070.D
Acq: 24 Jun 2022 01:59

Tgt Ion: 119 Resp: 3007
Ion Ratio Lower Upper
119 100
91 67.5 0.0 137.0
134 23.4 0.0 47.6

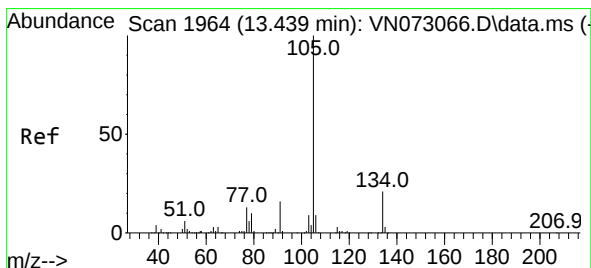
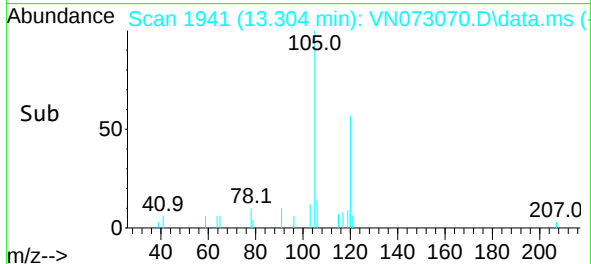
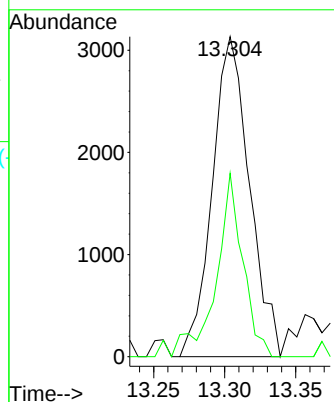
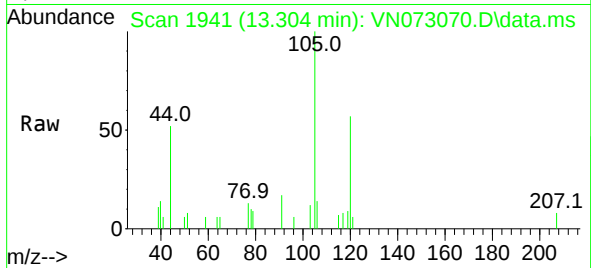




#80
 1,2,4-Trimethylbenzene
 Concen: 0.492 ug/l
 RT: 13.304 min Scan# 1941
 Delta R.T. 0.000 min
 Lab File: VN073070.D
 Acq: 24 Jun 2022 01:59

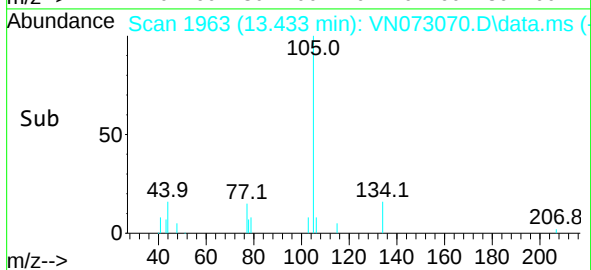
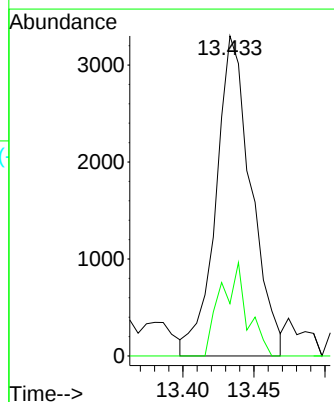
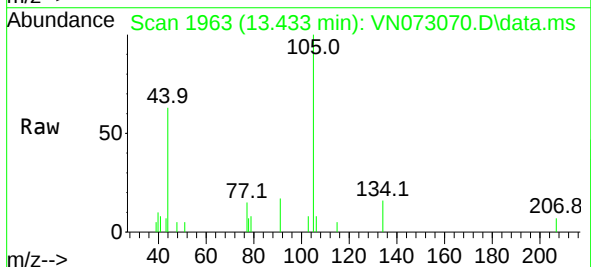
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

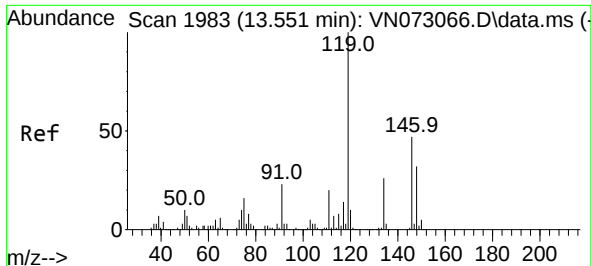
Tgt Ion:105 Resp: 5700
 Ion Ratio Lower Upper
 105 100
 120 37.2 0.0 0.2#



#81
 sec-Butylbenzene
 Concen: 0.406 ug/l
 RT: 13.433 min Scan# 1963
 Delta R.T. -0.006 min
 Lab File: VN073070.D
 Acq: 24 Jun 2022 01:59

Tgt Ion:105 Resp: 5710
 Ion Ratio Lower Upper
 105 100
 134 5.0 0.0 39.4

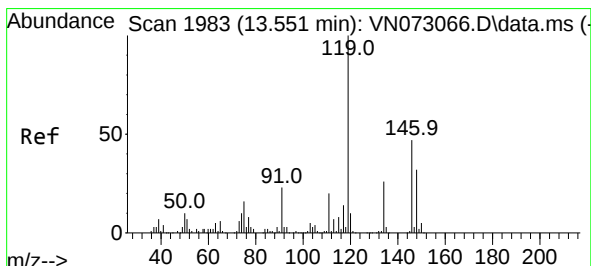
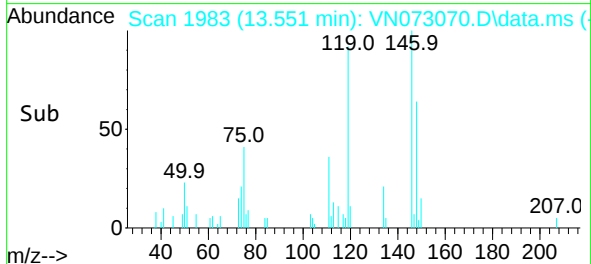
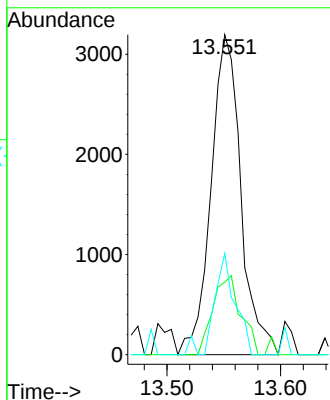
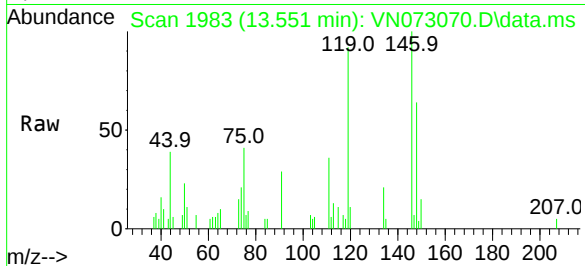




#82
p-Isopropyltoluene
Concen: 0.510 ug/l
RT: 13.551 min Scan# 1983
Delta R.T. 0.000 min
Lab File: VN073070.D
Acq: 24 Jun 2022 01:59

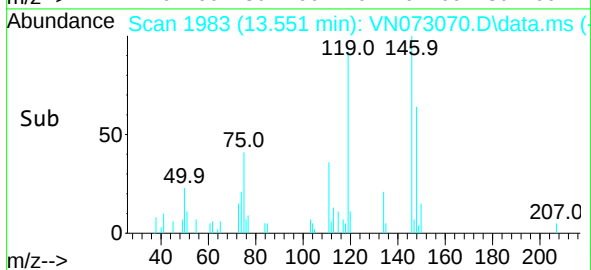
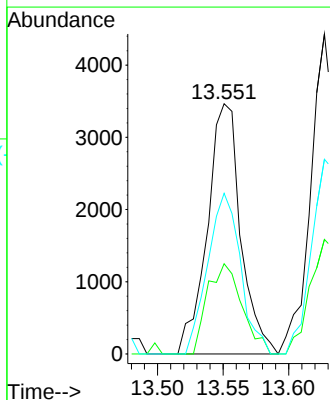
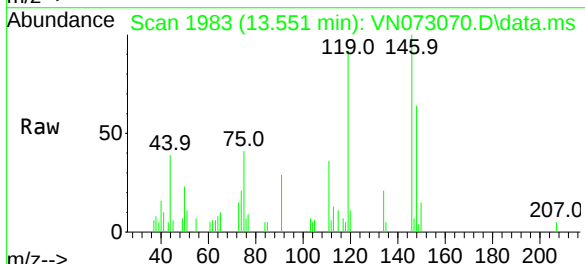
Instrument :
MSVOA_N
ClientSampleId :
IBLK

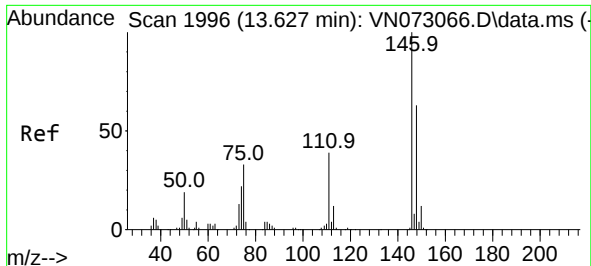
Tgt Ion:119 Resp: 5828
Ion Ratio Lower Upper
119 100
134 23.2 0.0 51.8
91 21.1 0.0 50.4



#83
1,3-Dichlorobenzene
Concen: 1.054 ug/l
RT: 13.551 min Scan# 1983
Delta R.T. 0.000 min
Lab File: VN073070.D
Acq: 24 Jun 2022 01:59

Tgt Ion:146 Resp: 6143
Ion Ratio Lower Upper
146 100
111 37.3 20.8 62.2
148 63.2 31.4 94.3

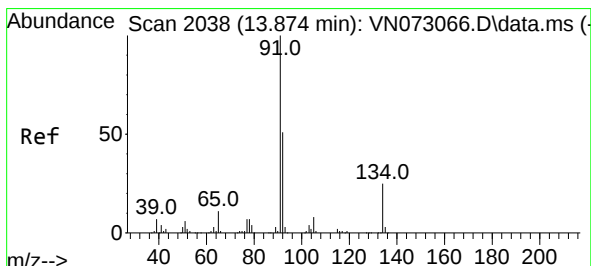
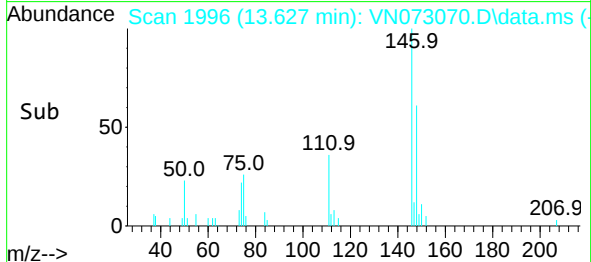
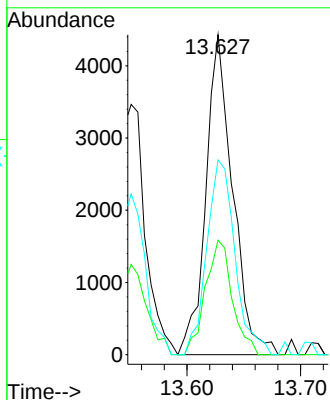
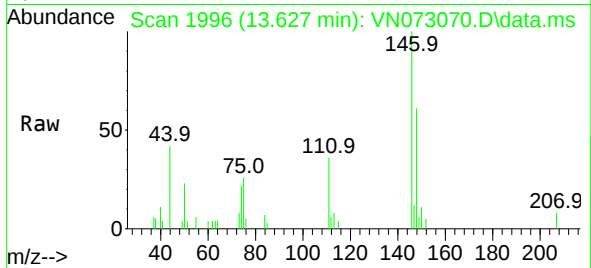




#84
1,4-Dichlorobenzene
Concen: 1.248 ug/l
RT: 13.627 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN073070.D
Acq: 24 Jun 2022 01:59

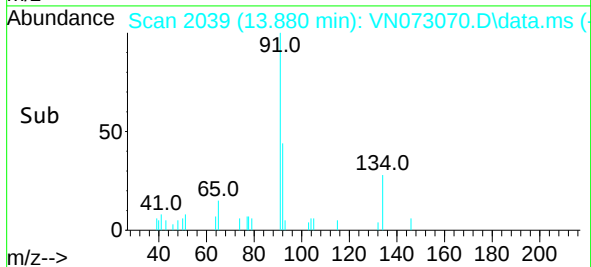
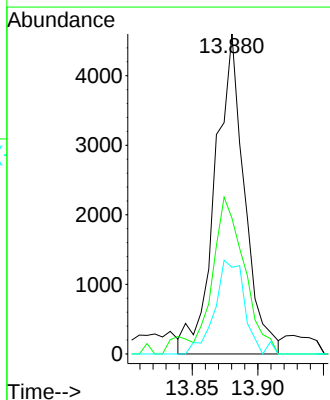
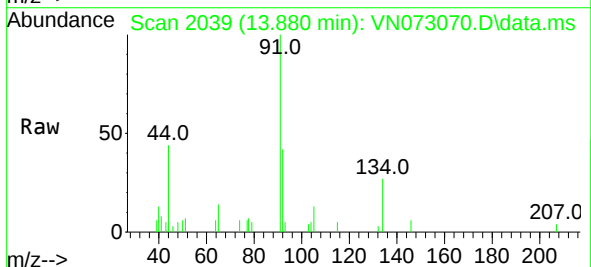
Instrument :
MSVOA_N
ClientSampleId :
IBLK

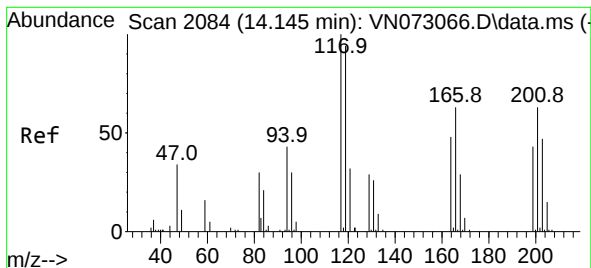
Tgt Ion:146 Resp: 7268
Ion Ratio Lower Upper
146 100
111 35.9 19.5 58.5
148 64.3 31.1 93.5



#85
n-Butylbenzene
Concen: 0.772 ug/l
RT: 13.880 min Scan# 2039
Delta R.T. 0.006 min
Lab File: VN073070.D
Acq: 24 Jun 2022 01:59

Tgt Ion: 91 Resp: 7177
Ion Ratio Lower Upper
91 100
92 51.8 0.0 100.6
134 29.1 0.0 50.2





#86

Hexachloroethane

Concen: 0.261 ug/l

RT: 14.145 min Scan# 2084

Delta R.T. 0.000 min

Lab File: VN073070.D

Acq: 24 Jun 2022 01:59

Instrument :

MSVOA_N

ClientSampleId :

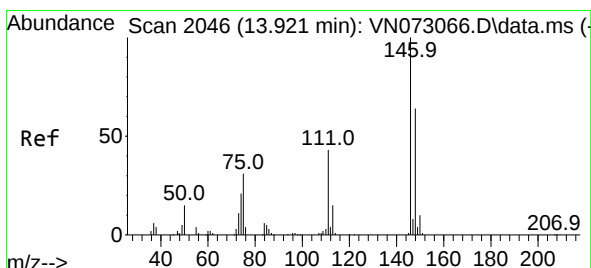
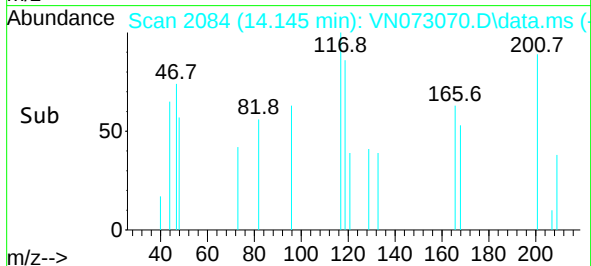
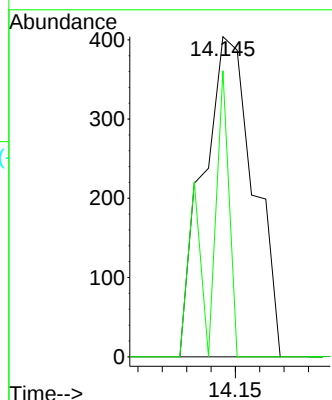
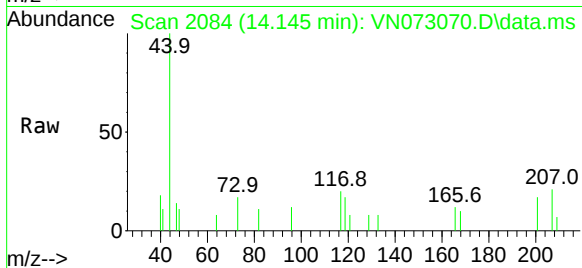
IBLK

Tgt Ion:117 Resp: 583

Ion Ratio Lower Upper

117 100

201 21.8 33.3 99.8#



#87

1,2-Dichlorobenzene

Concen: 0.805 ug/l

RT: 13.921 min Scan# 2046

Delta R.T. 0.000 min

Lab File: VN073070.D

Acq: 24 Jun 2022 01:59

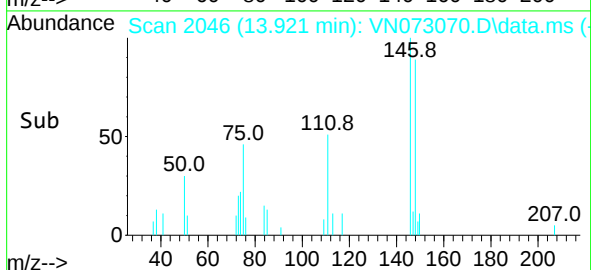
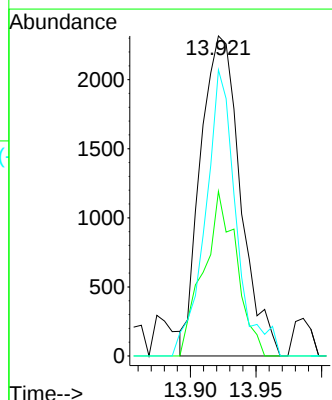
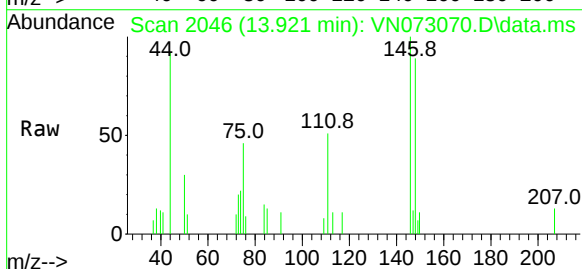
Tgt Ion:146 Resp: 4907

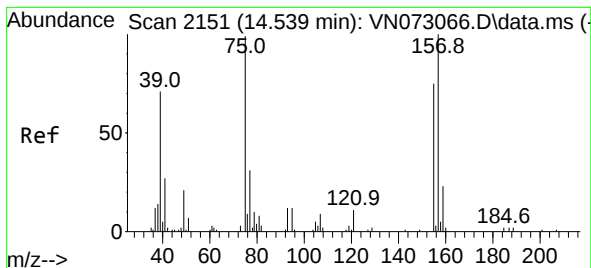
Ion Ratio Lower Upper

146 100

111 42.6 21.4 64.2

148 67.5 32.5 97.4





#88

1,2-Dibromo-3-Chloropropane

Concen: 1.750 ug/l

RT: 14.539 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VN073070.D

Acq: 24 Jun 2022 01:59

Instrument :

MSVOA_N

ClientSampleId :

IBLK

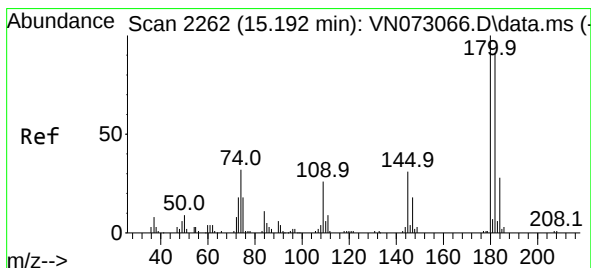
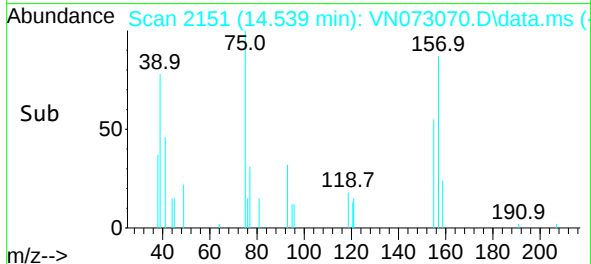
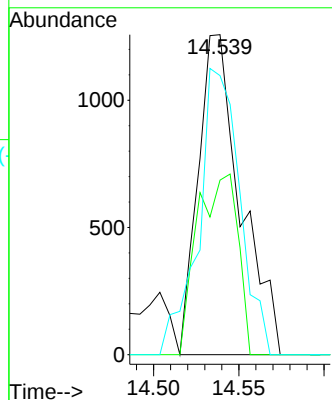
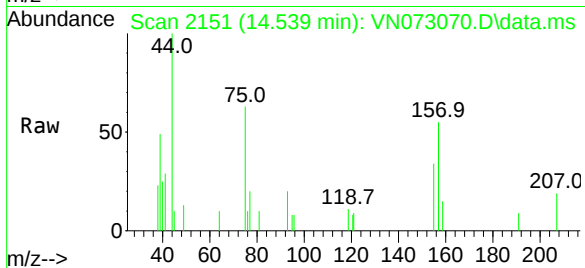
Tgt Ion: 75 Resp: 2186

Ion Ratio Lower Upper

75 100

155 53.8 63.8 95.8#

157 86.6 77.9 116.9



#89

1,2,4-Trichlorobenzene

Concen: 3.612 ug/l

RT: 15.192 min Scan# 2262

Delta R.T. 0.000 min

Lab File: VN073070.D

Acq: 24 Jun 2022 01:59

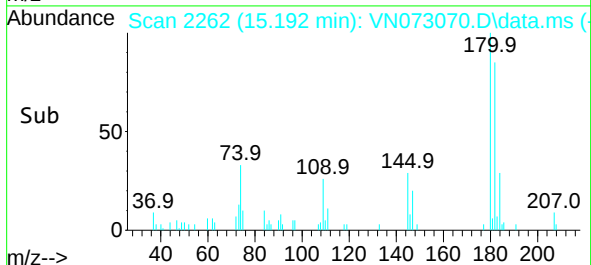
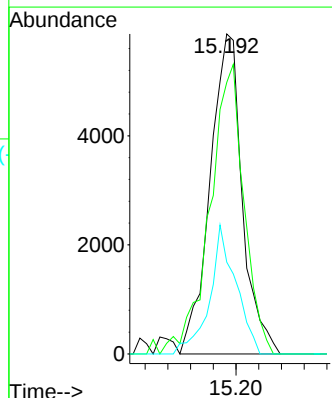
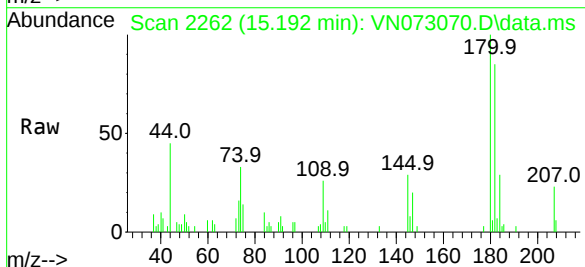
Tgt Ion: 180 Resp: 11573

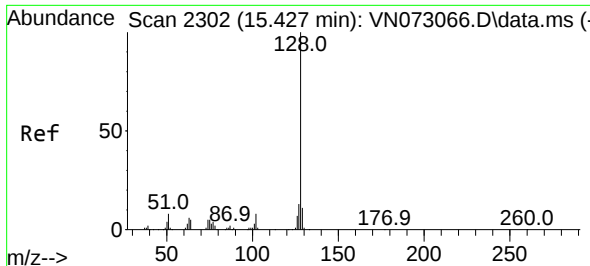
Ion Ratio Lower Upper

180 100

182 93.3 77.7 116.5

145 32.6 26.6 39.8

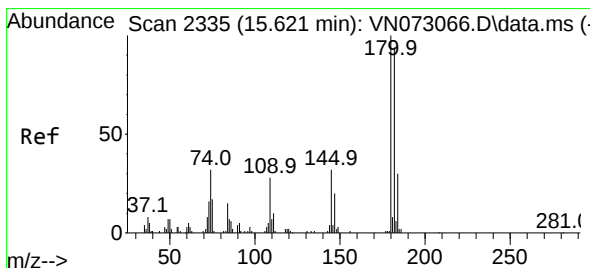
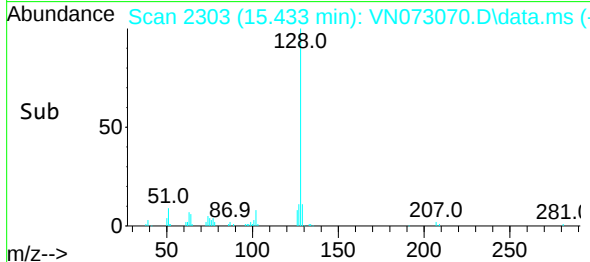
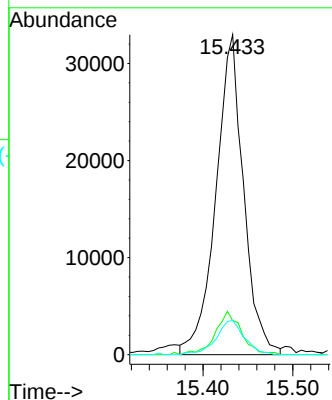
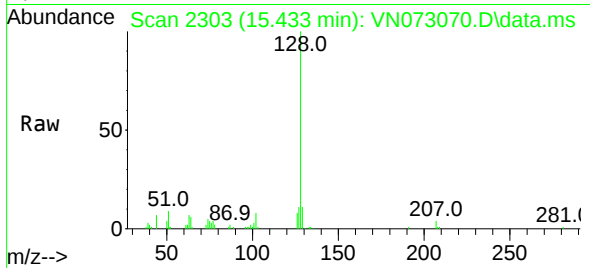




#91
Naphthalene
Concen: 5.636 ug/l
RT: 15.433 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN073070.D
Acq: 24 Jun 2022 01:59

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:128 Resp: 70472
Ion Ratio Lower Upper
128 100
127 11.4 10.7 16.1
129 10.9 9.0 13.6



#92
1,2,3-Trichlorobenzene
Concen: 5.050 ug/l
RT: 15.621 min Scan# 2335
Delta R.T. 0.000 min
Lab File: VN073070.D
Acq: 24 Jun 2022 01:59

Tgt Ion:180 Resp: 16465
Ion Ratio Lower Upper
180 100
182 88.3 0.0 190.0
145 31.4 0.0 67.8

