

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072822\
 Data File : VN073621.D
 Acq On : 28 Jul 2022 12:58
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jul 29 02:21:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 29 02:20:25 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	353183	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	543673	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	487365	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	220832	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	187980	43.675	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.340%
35) Dibromofluoromethane	7.951	113	177340	51.946	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.900%
50) Toluene-d8	10.380	98	568197	42.295	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	84.580%#
62) 4-Bromofluorobenzene	12.674	95	207461	46.802	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.057	85	948	0.277	ug/l	94
3) Chloromethane	2.275	50	1817	Below Cal		99
6) Chloroethane	2.910	64	111	Below Cal		93
9) 1,1,2-Trichlorotrifluo...	4.140	101	931	0.273	ug/l #	34
10) Methyl Iodide	4.346	142	1691	0.487	ug/l #	56
13) Acrolein	3.993	56	1426	1.550	ug/l	94
15) Acrylonitrile	5.481	53	3234	1.259	ug/l #	90
16) Acetone	4.240	43	3185	1.378	ug/l	98
17) Carbon Disulfide	4.463	76	7978	0.898	ug/l #	95
18) Methyl Acetate	4.793	43	1638	0.285	ug/l #	62
20) Methylene Chloride	5.016	84	4232	Below Cal	#	83
23) Vinyl Acetate	6.375	43	2520	0.260	ug/l #	68
25) 2-Butanone	7.281	43	4239	1.181	ug/l	92
26) 2,2-Dichloropropane	7.245	77	2376	0.434	ug/l #	53
27) cis-1,2-Dichloroethene	7.257	96	1008	0.226	ug/l	21
29) Tetrahydrofuran	7.622	42	1542	0.679	ug/l #	89
31) Cyclohexane	8.010	56	7925	1.237	ug/l #	50
36) 1,1-Dichloropropene	8.151	75	2184	0.449	ug/l #	83
37) Ethyl Acetate	7.339	43	1435	0.224	ug/l #	67
38) Carbon Tetrachloride	8.016	117	33231	6.724	ug/l #	17
39) Methylcyclohexane	9.392	83	1215	0.209	ug/l	89
42) 1,2-Dichloroethane	8.469	62	1291	0.242	ug/l #	74
44) Trichloroethene	9.157	130	1369	0.342	ug/l	84
46) Dibromomethane	9.510	93	670	0.244	ug/l	92
49) 1,4-Dioxane	9.504	88	351	3.287	ug/l #	73
51) 4-Methyl-2-Pentanone	10.275	43	4195	0.676	ug/l	92
53) t-1,3-Dichloropropene	10.657	75	1264	0.243	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.980	63	454	10.090	ug/l #	44
59) 2-Hexanone	11.027	43	8749	1.860	ug/l	91
64) Tetrachloroethene	10.916	164	1631	0.421	ug/l	86
65) Chlorobenzene	11.710	112	3682	0.356	ug/l	89
67) Ethyl Benzene	11.786	91	4264	0.244	ug/l #	82
68) m/p-Xylenes	11.898	106	3292	0.494	ug/l	93
70) Styrene	12.233	104	3032	0.292	ug/l	91
71) Bromoform	12.392	173	786	0.256	ug/l #	95
74) N-amyl acetate	12.327	43	3783	0.619	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

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

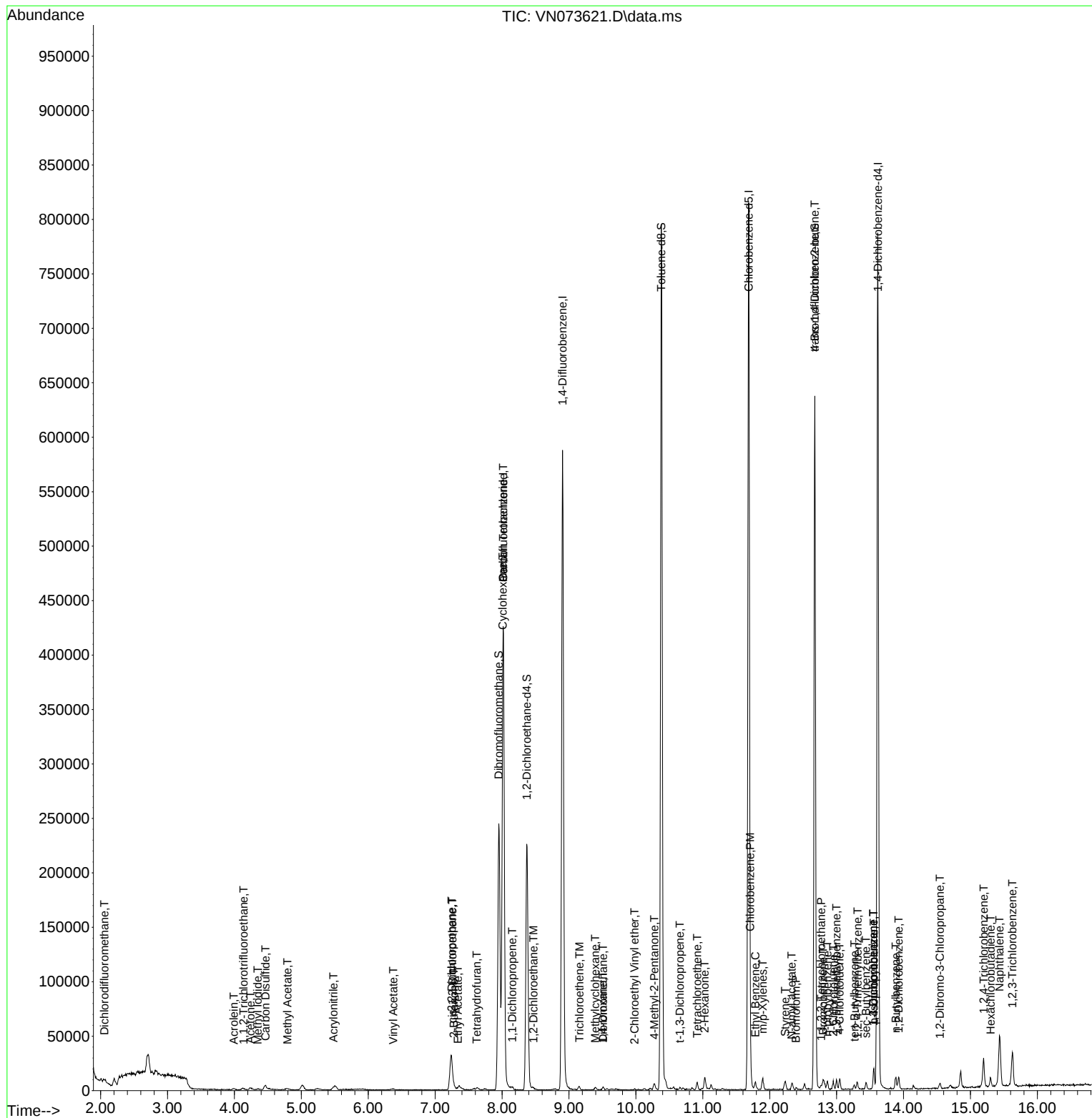
75) 1,1,2,2-Tetrachloroethane	12.768	83	1695	0.272 ug/l #	94
76) 1,2,3-Trichloropropane	12.827	75	3297	Below Cal #	1
77) Bromobenzene	12.798	156	2088	0.496 ug/l	89
78) n-propylbenzene	12.863	91	6292	0.346 ug/l	93
79) 2-Chlorotoluene	12.951	91	4677	0.412 ug/l	93
80) 1,3,5-Trimethylbenzene	12.998	105	3570	0.268 ug/l	92
81) trans-1,4-Dichloro-2-b...	12.674	75	105289	61.788 ug/l #	11
82) 4-Chlorotoluene	13.045	91	6566	0.610 ug/l	96
83) tert-Butylbenzene	13.268	119	2506	0.213 ug/l	86
84) 1,2,4-Trimethylbenzene	13.316	105	4220	0.323 ug/l	100
85) sec-Butylbenzene	13.439	105	4592	0.282 ug/l	97
86) p-Isopropyltoluene	13.557	119	4430	0.345 ug/l	96
87) 1,3-Dichlorobenzene	13.551	146	6357	0.827 ug/l	93
88) 1,4-Dichlorobenzene	13.551	146	6357	0.827 ug/l	95
89) n-Butylbenzene	13.886	91	6909	0.661 ug/l	98
91) 1,2-Dichlorobenzene	13.927	146	5205	0.668 ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.545	75	1636	1.305 ug/l	84
93) 1,2,4-Trichlorobenzene	15.198	180	10882	2.814 ug/l	98
94) Hexachlorobutadiene	15.304	225	1776	0.845 ug/l	95
95) Naphthalene	15.433	128	52245	4.164 ug/l	99
96) 1,2,3-Trichlorobenzene	15.627	180	13420	3.298 ug/l	99

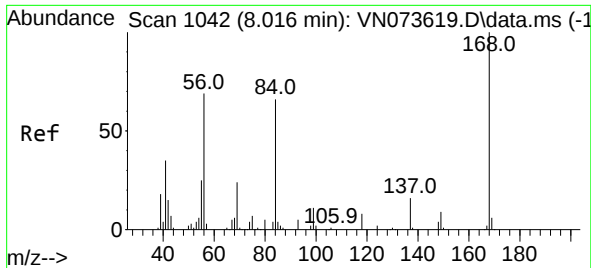
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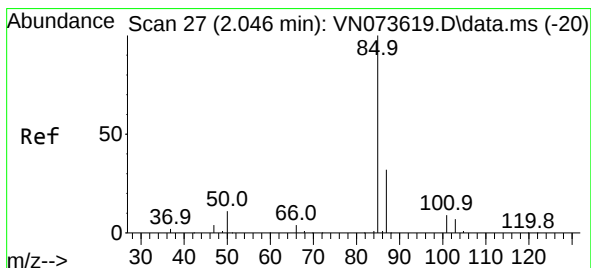
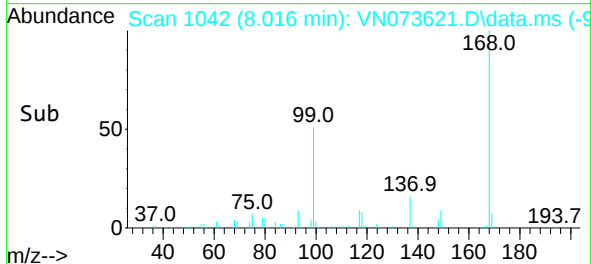
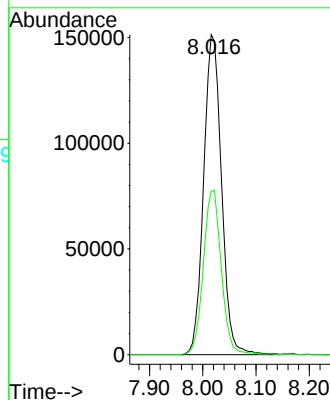
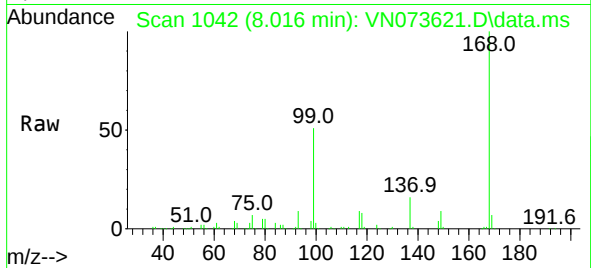




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073621.D
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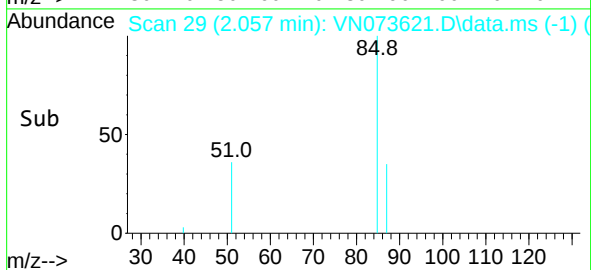
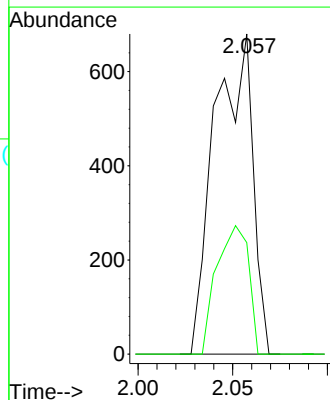
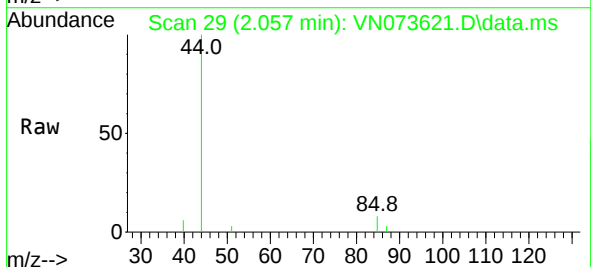
Instrument :
MSVOA_N
ClientSampleId :
IBLK

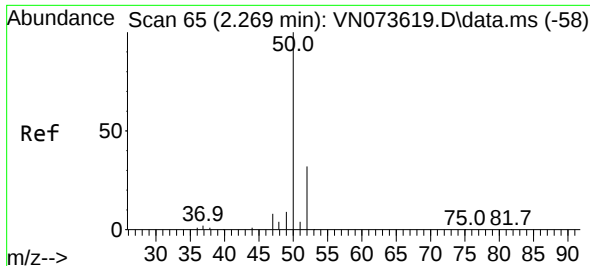
Tgt Ion:168 Resp: 353183
Ion Ratio Lower Upper
168 100
99 51.0 42.3 63.5



#2
Dichlorodifluoromethane
Concen: 0.277 ug/l
RT: 2.057 min Scan# 29
Delta R.T. 0.012 min
Lab File: VN073621.D
Acq: 28 Jul 2022 12:58

Tgt Ion: 85 Resp: 948
Ion Ratio Lower Upper
85 100
87 34.9 15.7 47.1

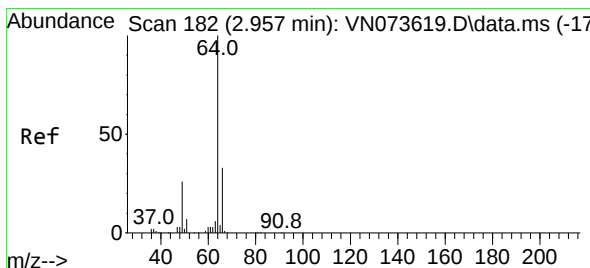
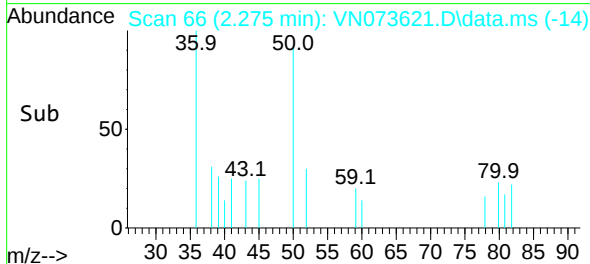
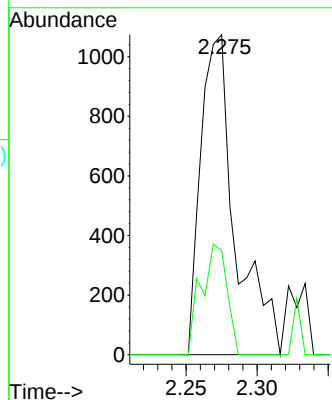
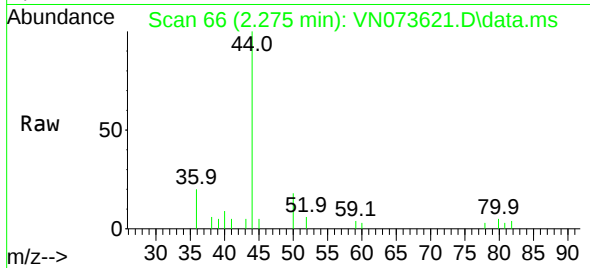




#3
Chloromethane
Concen: Below Cal
RT: 2.275 min Scan# 60
Delta R.T. 0.006 min
Lab File: VN073621.D
Acq: 28 Jul 2022 12:58

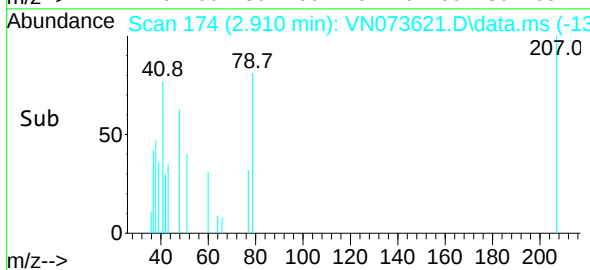
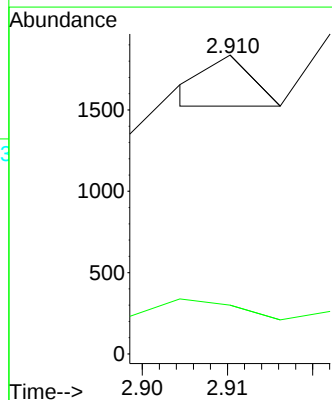
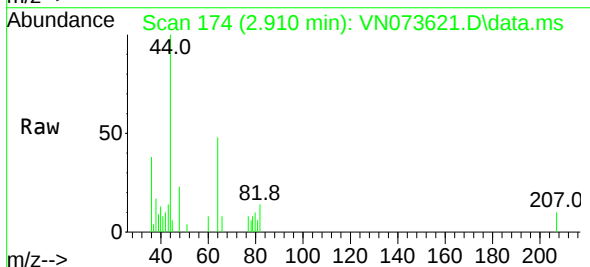
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MSVOA_N
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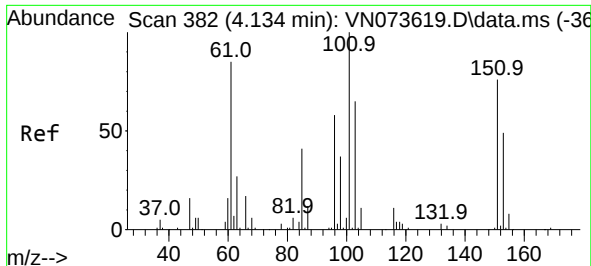
Tgt Ion: 50 Resp: 1817
Ion Ratio Lower Upper
50 100
52 32.5 25.7 38.5



#6
Chloroethane
Concen: Below Cal
RT: 2.910 min Scan# 174
Delta R.T. -0.047 min
Lab File: VN073621.D
Acq: 28 Jul 2022 12:58

Tgt Ion: 64 Resp: 111
Ion Ratio Lower Upper
64 100
66 28.7 26.2 39.4

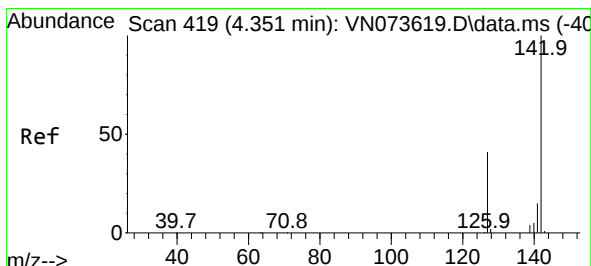
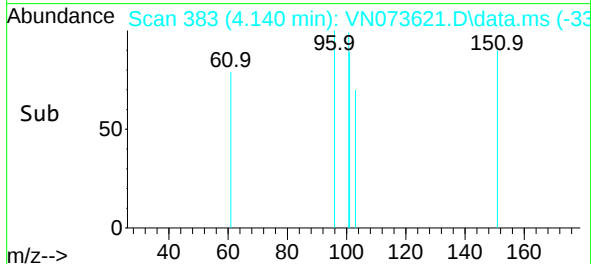
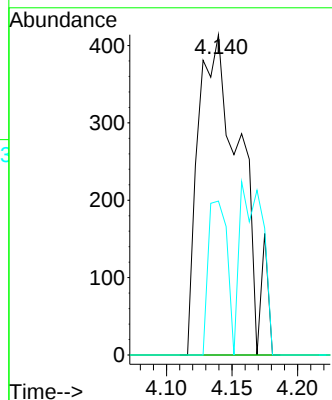
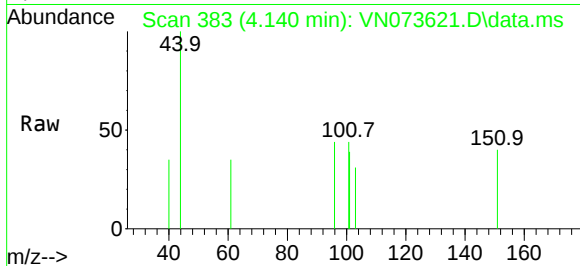




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.273 ug/l
RT: 4.140 min Scan# 382
Delta R.T. 0.006 min
Lab File: VN073621.D
Acq: 28 Jul 2022 12:58

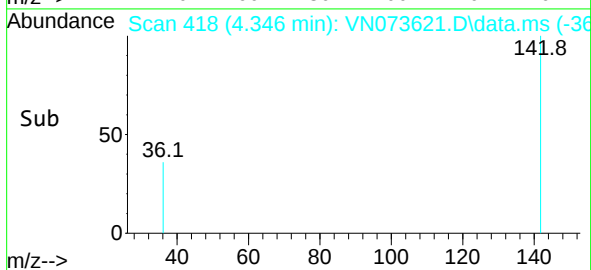
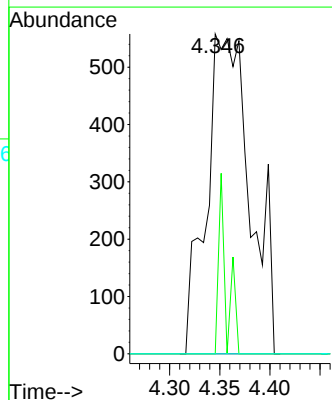
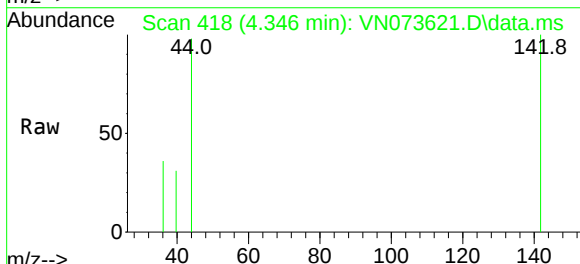
Instrument :
MSVOA_N
ClientSampleId :
IBLK

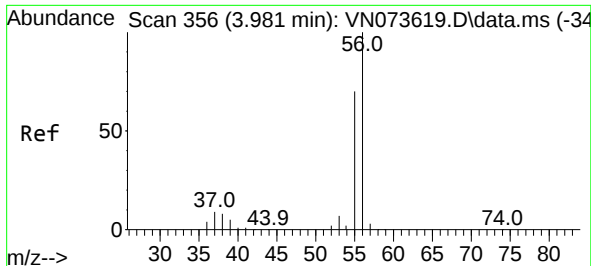
Tgt Ion:101 Resp: 931
Ion Ratio Lower Upper
101 100
85 0.0 34.7 52.1#
151 21.3 63.0 94.4#



#10
Methyl Iodide
Concen: 0.487 ug/l
RT: 4.346 min Scan# 418
Delta R.T. -0.006 min
Lab File: VN073621.D
Acq: 28 Jul 2022 12:58

Tgt Ion:142 Resp: 1691
Ion Ratio Lower Upper
142 100
127 10.1 31.3 46.9#
141 0.0 11.2 16.8#





#13

Acrolein

Concen: 1.550 ug/l

RT: 3.993 min Scan# 356

Delta R.T. 0.012 min

Lab File: VN073621.D

Acq: 28 Jul 2022 12:58

Instrument :

MSVOA_N

ClientSampleId :

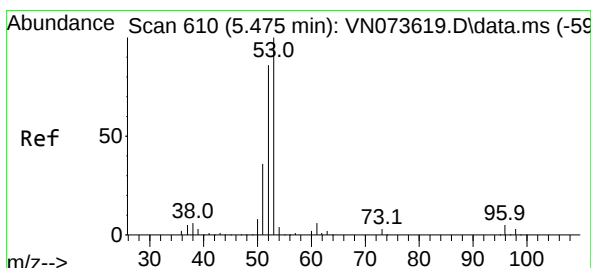
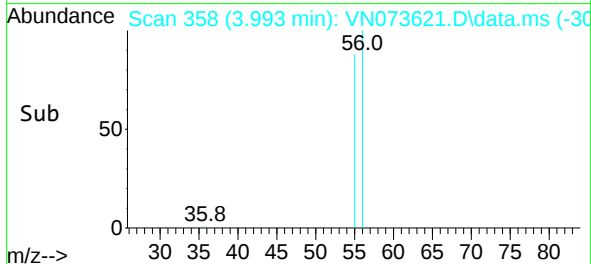
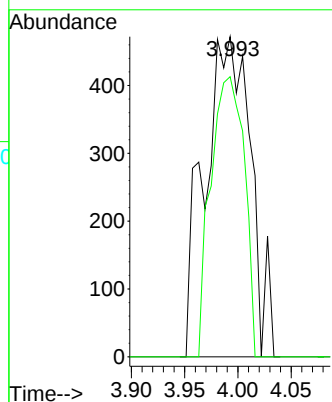
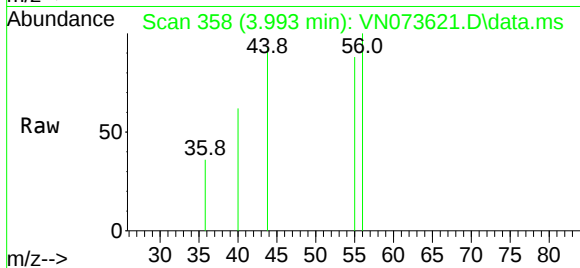
IBLK

Tgt Ion: 56 Resp: 1426

Ion Ratio Lower Upper

56 100

55 63.3 54.8 82.2



#15

Acrylonitrile

Concen: 1.259 ug/l

RT: 5.481 min Scan# 611

Delta R.T. 0.006 min

Lab File: VN073621.D

Acq: 28 Jul 2022 12:58

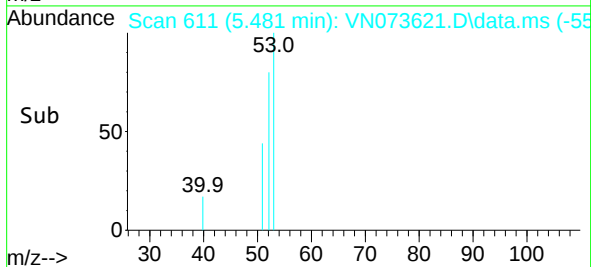
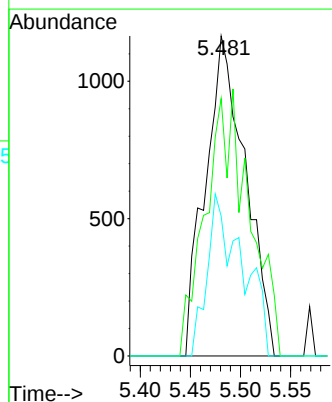
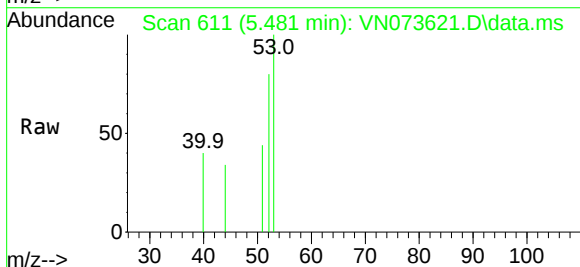
Tgt Ion: 53 Resp: 3234

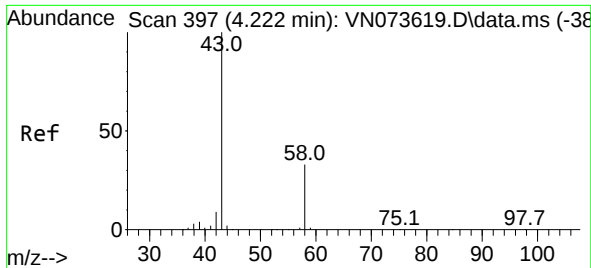
Ion Ratio Lower Upper

53 100

52 90.1 66.4 99.6

51 44.4 28.5 42.7#





#16

Acetone

Concen: 1.378 ug/l

RT: 4.240 min Scan# 400

Delta R.T. 0.018 min

Lab File: VN073621.D

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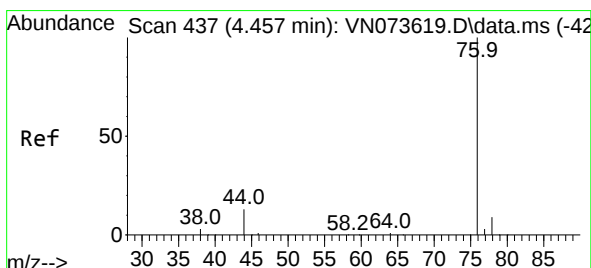
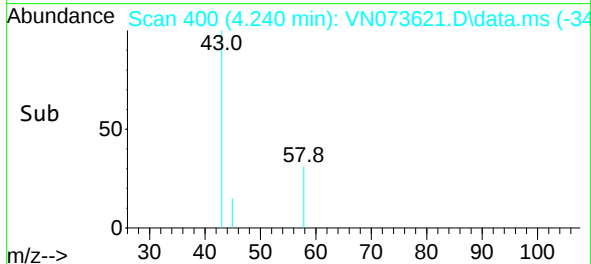
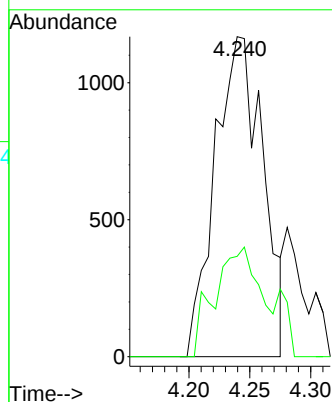
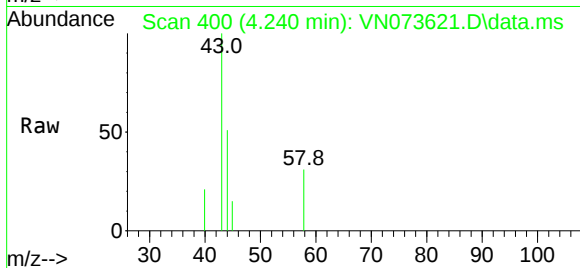
IBLK

Tgt Ion: 43 Resp: 3185

Ion Ratio Lower Upper

43 100

58 31.3 26.0 39.0



#17

Carbon Disulfide

Concen: 0.898 ug/l

RT: 4.463 min Scan# 438

Delta R.T. 0.006 min

Lab File: VN073621.D

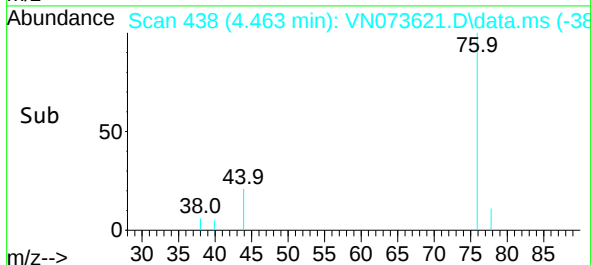
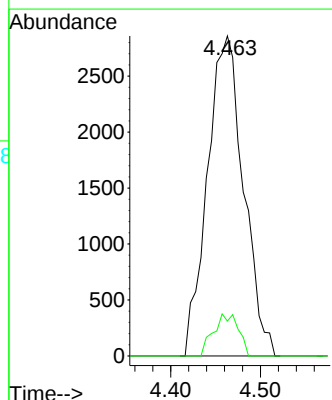
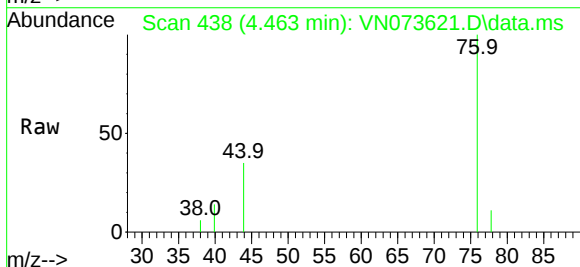
Acq: 28 Jul 2022 12:58

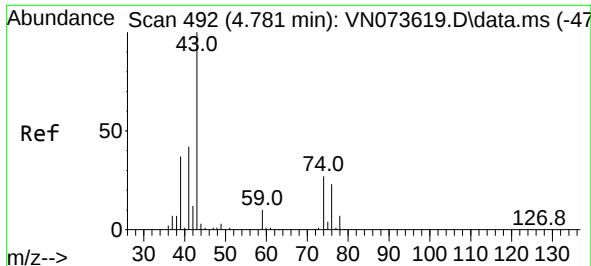
Tgt Ion: 76 Resp: 7978

Ion Ratio Lower Upper

76 100

78 10.9 7.2 10.8#

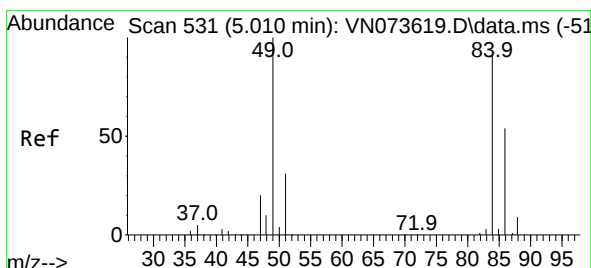
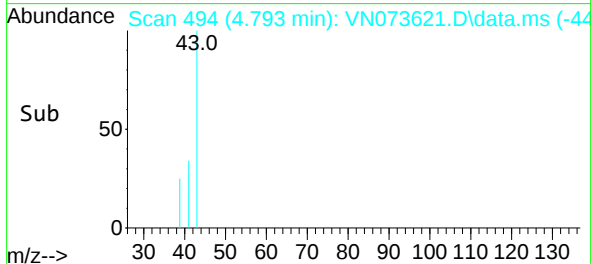
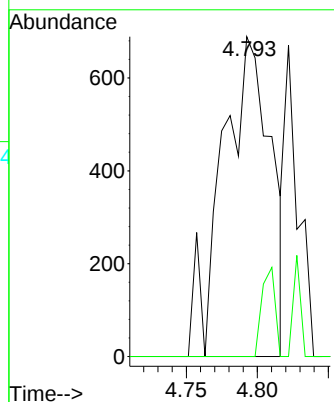
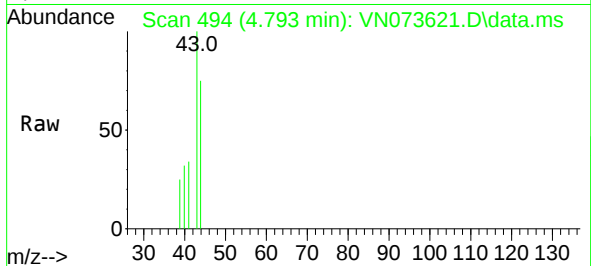




#18
Methyl Acetate
Concen: 0.285 ug/l
RT: 4.793 min Scan# 494
Delta R.T. 0.012 min
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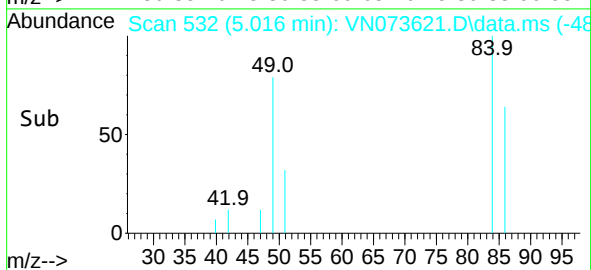
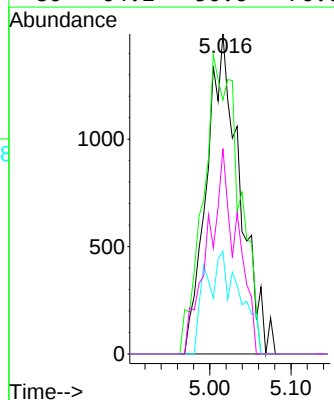
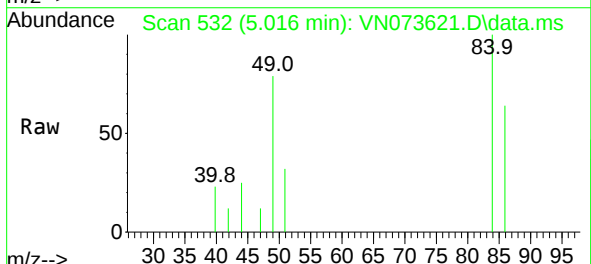
Instrument :
MSVOA_N
ClientSampleId :
IBLK

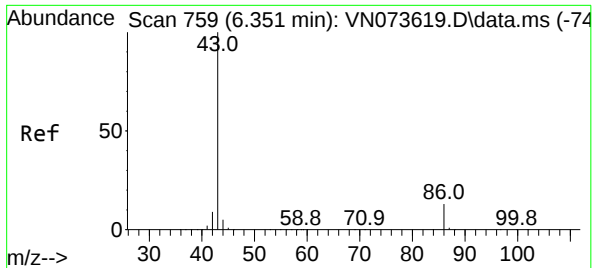
Tgt Ion: 43 Resp: 1638
Ion Ratio Lower Upper
43 100
74 7.5 21.6 32.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.016 min Scan# 532
Delta R.T. 0.006 min
Lab File: VN073621.D
Acq: 28 Jul 2022 12:58

Tgt Ion: 84 Resp: 4232
Ion Ratio Lower Upper
84 100
49 79.4 88.3 132.5#
51 32.0 28.2 42.2
86 64.2 50.6 76.0

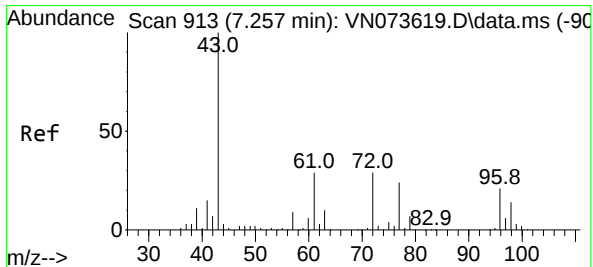
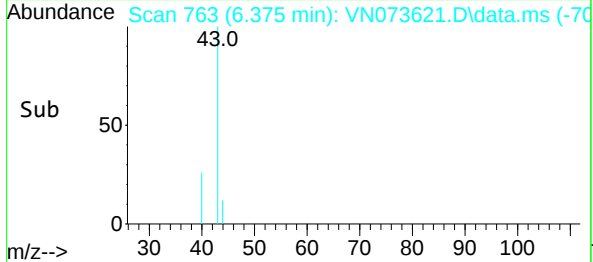
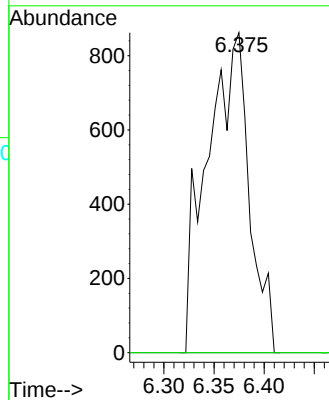
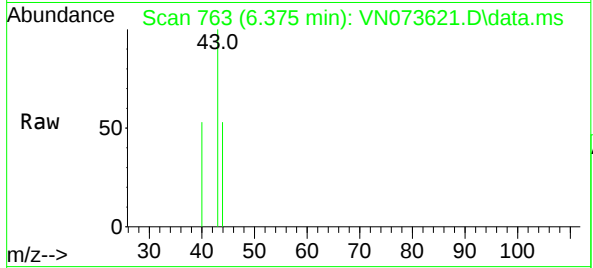




#23
 Vinyl Acetate
 Concen: 0.260 ug/l
 RT: 6.375 min Scan# 70
 Delta R.T. 0.024 min
 Lab File: VN073621.D
 Acq: 28 Jul 2022 12:58

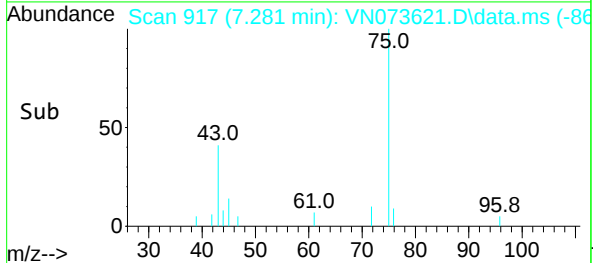
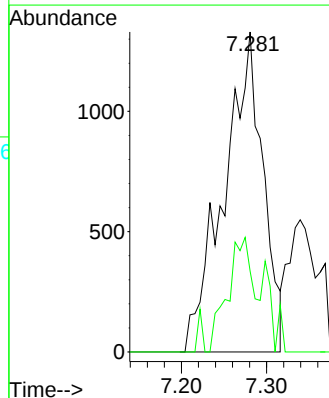
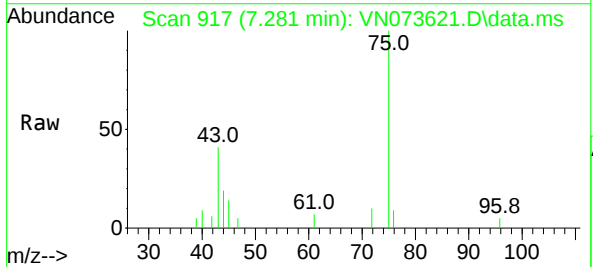
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

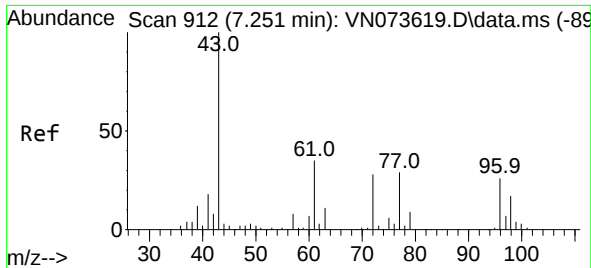
Tgt Ion: 43 Resp: 2520
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.0 15.0#



#25
 2-Butanone
 Concen: 1.181 ug/l
 RT: 7.281 min Scan# 917
 Delta R.T. 0.024 min
 Lab File: VN073621.D
 Acq: 28 Jul 2022 12:58

Tgt Ion: 43 Resp: 4239
 Ion Ratio Lower Upper
 43 100
 72 25.3 23.7 35.5

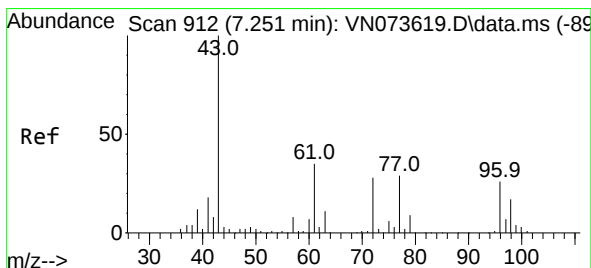
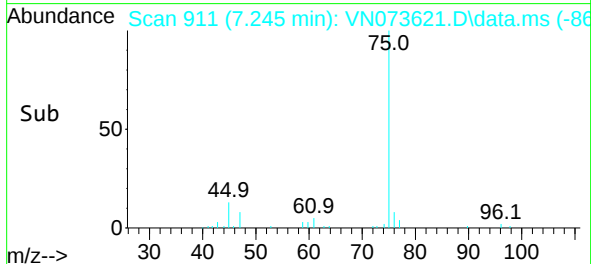
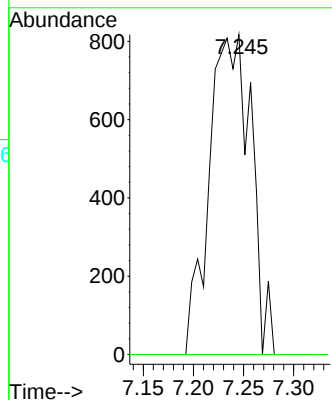
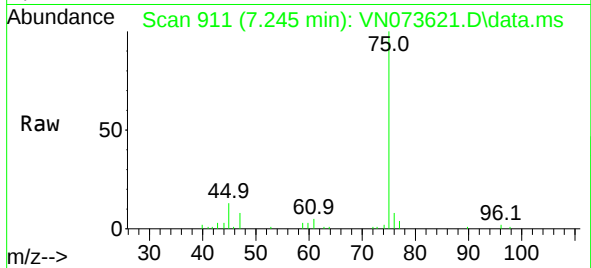




#26
2,2-Dichloropropane
Concen: 0.434 ug/l
RT: 7.245 min Scan# 911
Delta R.T. -0.006 min
Lab File: VN073621.D
Acq: 28 Jul 2022 12:58

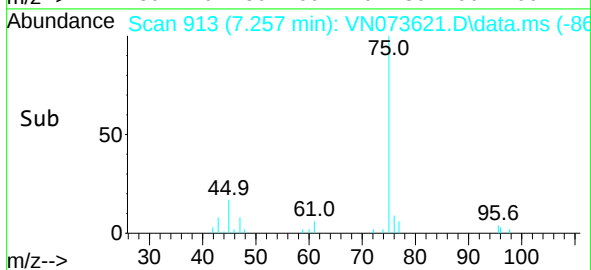
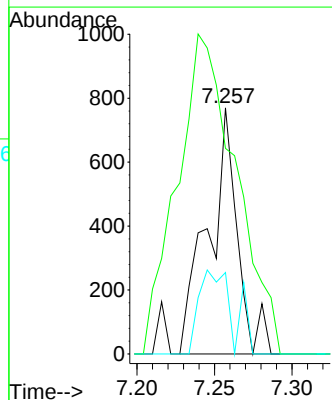
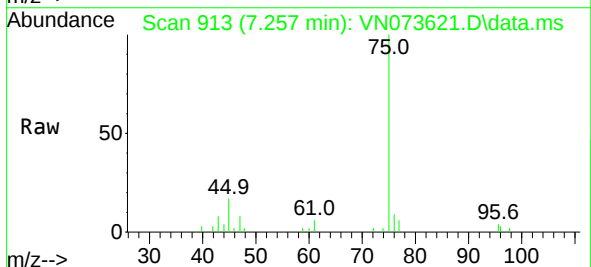
Instrument :
MSVOA_N
ClientSampleId :
IBLK

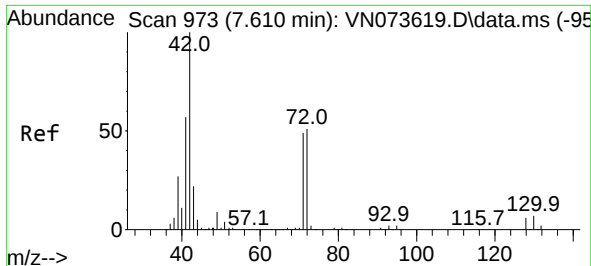
Tgt Ion: 77 Resp: 2376
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#27
cis-1,2-Dichloroethene
Concen: 0.226 ug/l
RT: 7.257 min Scan# 913
Delta R.T. 0.006 min
Lab File: VN073621.D
Acq: 28 Jul 2022 12:58

Tgt Ion: 96 Resp: 1008
Ion Ratio Lower Upper
96 100
61 262.7 0.0 280.6
98 40.0 0.0 128.4





#29

Tetrahydrofuran

Concen: 0.679 ug/l

RT: 7.622 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN073621.D

Acq: 28 Jul 2022 12:58

Instrument :

MSVOA_N

ClientSampleId :

IBLK

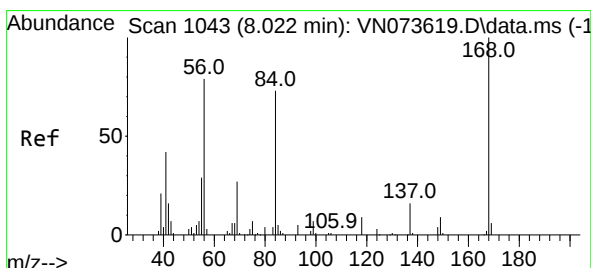
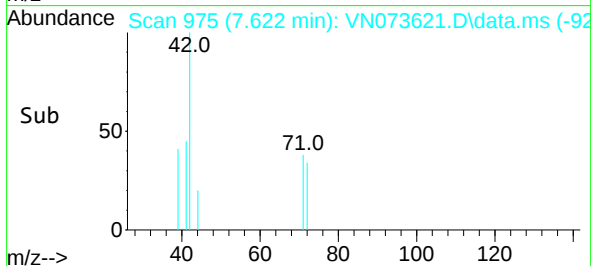
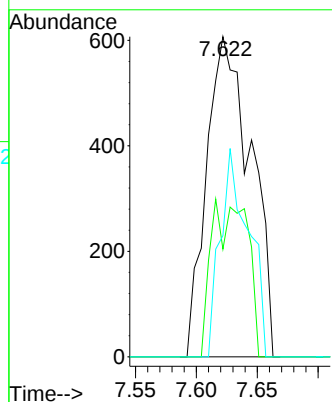
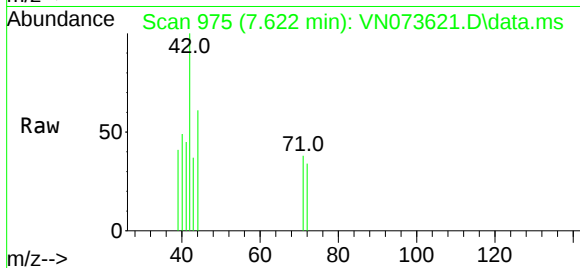
Tgt Ion: 42 Resp: 1542

Ion Ratio Lower Upper

42 100

72 39.6 39.7 59.5#

71 41.2 36.6 55.0



#31

Cyclohexane

Concen: 1.237 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.012 min

Lab File: VN073621.D

Acq: 28 Jul 2022 12:58

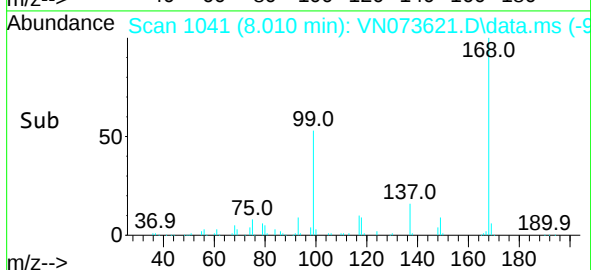
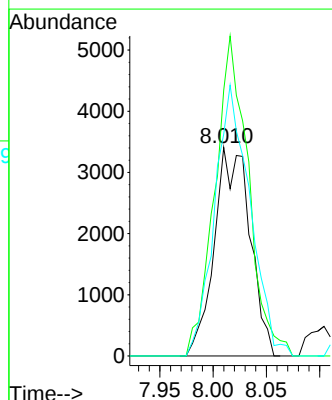
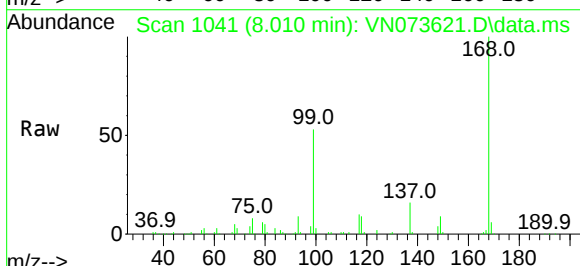
Tgt Ion: 56 Resp: 7925

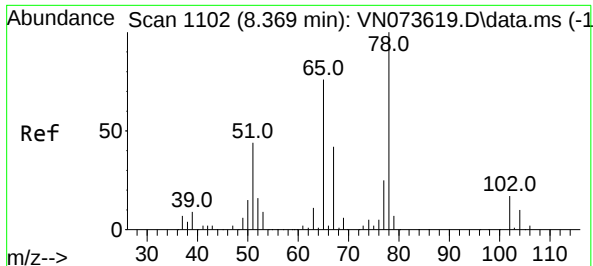
Ion Ratio Lower Upper

56 100

69 127.5 27.8 41.8#

84 106.4 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 43.675 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN073621.D

Acq: 28 Jul 2022 12:58

Instrument :

MSVOA_N

ClientSampleId :

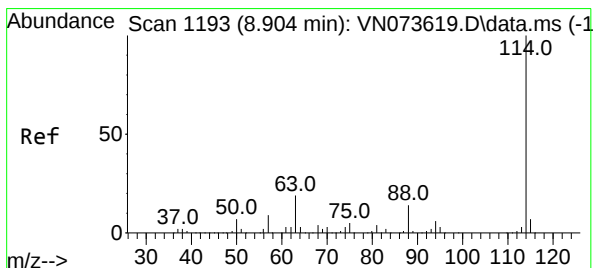
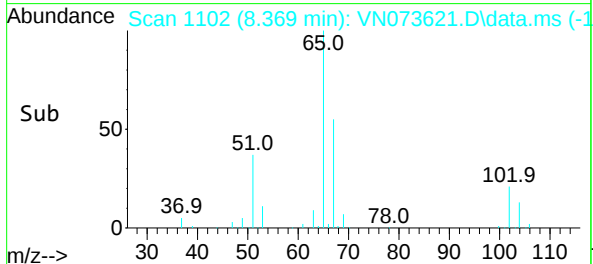
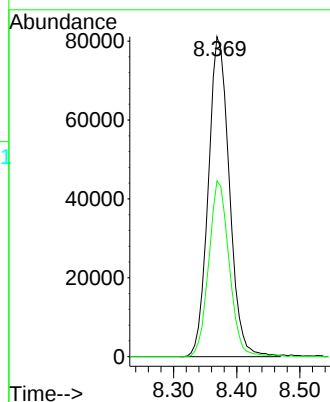
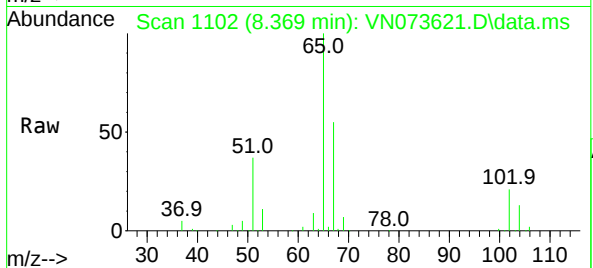
IBLK

Tgt Ion: 65 Resp: 187980

Ion Ratio Lower Upper

65 100

67 53.1 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN073621.D

Acq: 28 Jul 2022 12:58

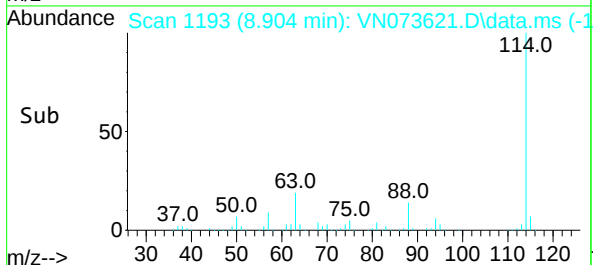
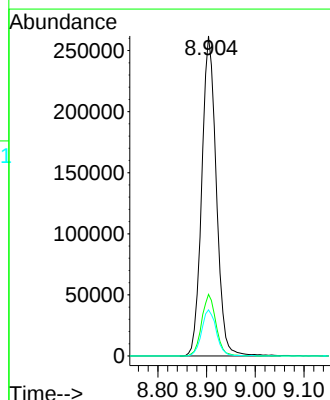
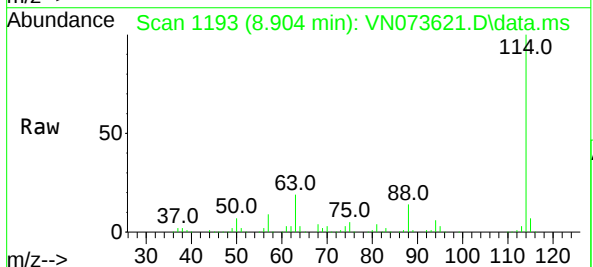
Tgt Ion: 114 Resp: 543673

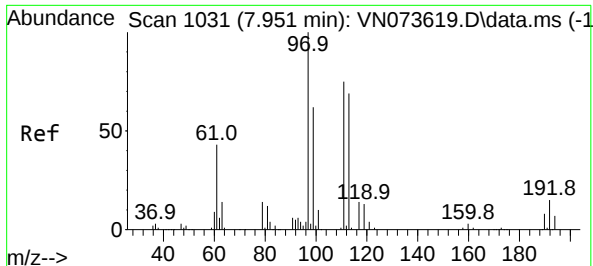
Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.0

88 14.4 0.0 32.6

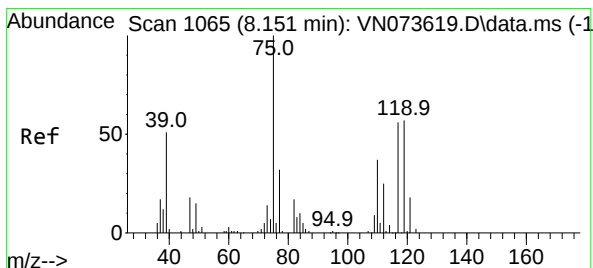
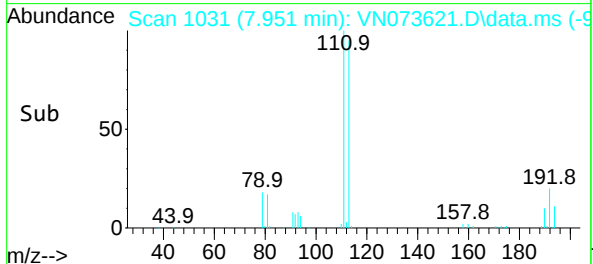
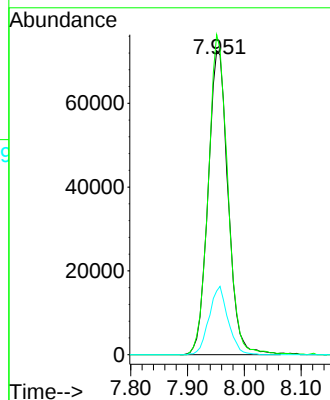
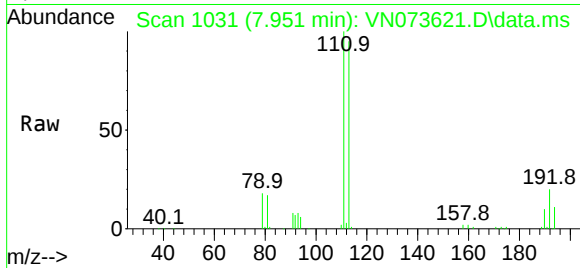




#35
Dibromofluoromethane
Concen: 51.946 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073621.D
Acq: 28 Jul 2022 12:58

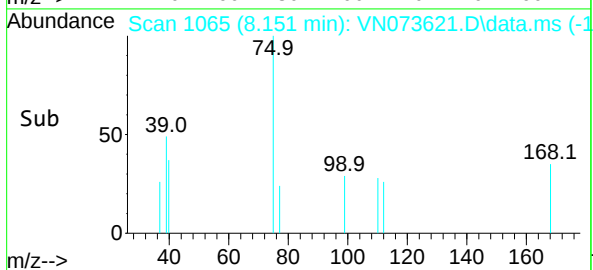
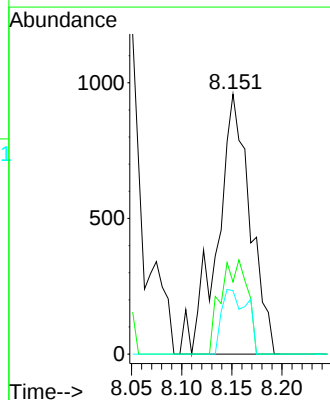
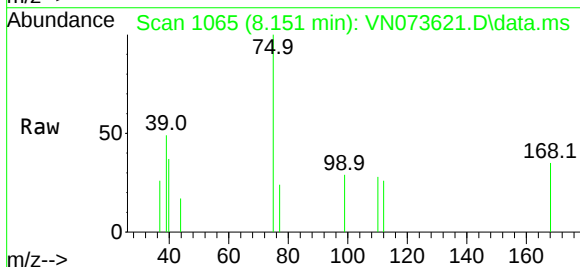
Instrument :
MSVOA_N
ClientSampleId :
IBLK

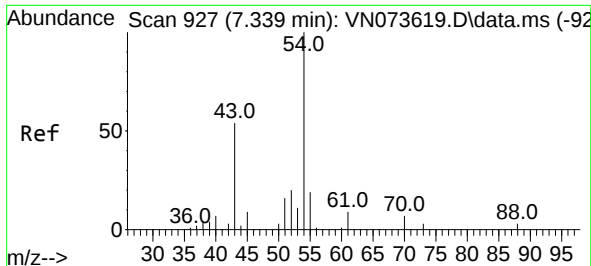
Tgt Ion:113 Resp: 177340
Ion Ratio Lower Upper
113 100
111 102.5 81.4 122.0
192 21.3 17.0 25.6



#36
1,1-Dichloropropene
Concen: 0.449 ug/l
RT: 8.151 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VN073621.D
Acq: 28 Jul 2022 12:58

Tgt Ion: 75 Resp: 2184
Ion Ratio Lower Upper
75 100
110 29.5 18.3 54.8
77 18.9 25.1 37.7#

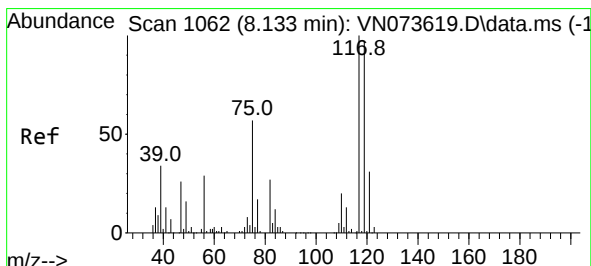
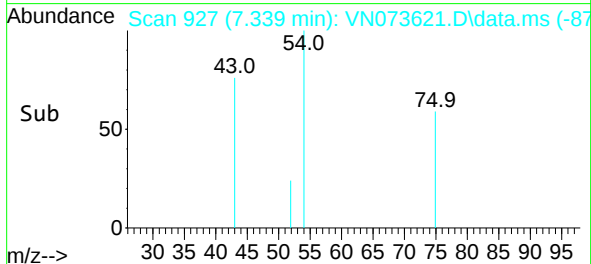
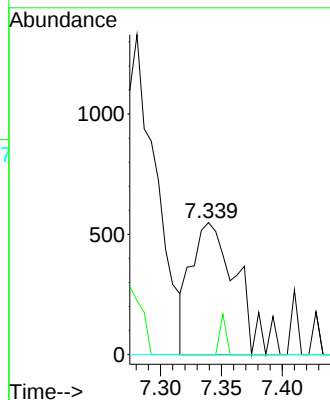
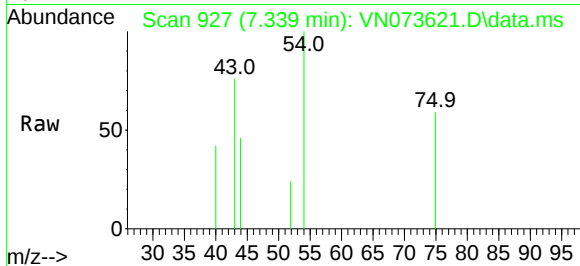




#37
Ethyl Acetate
Concen: 0.224 ug/l
RT: 7.339 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN073621.D
Acq: 28 Jul 2022 12:58

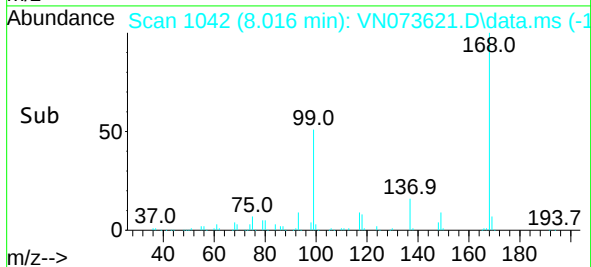
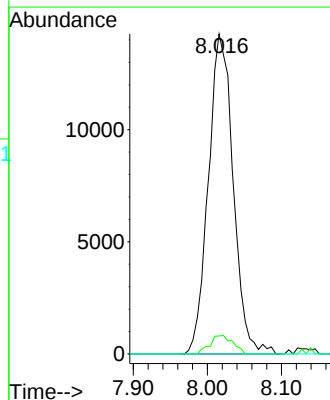
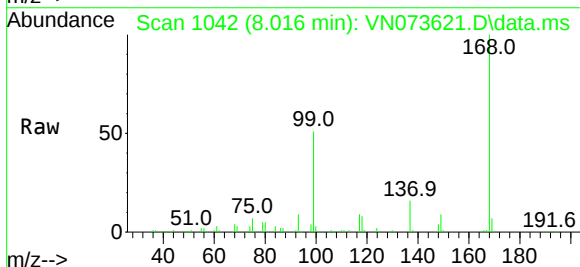
Instrument :
MSVOA_N
ClientSampleId :
IBLK

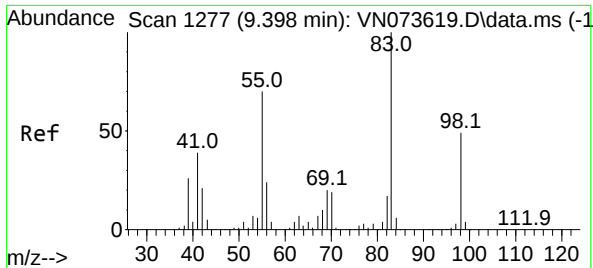
Tgt Ion: 43 Resp: 1435
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 6.724 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN073621.D
Acq: 28 Jul 2022 12:58

Tgt Ion: 117 Resp: 33231
Ion Ratio Lower Upper
117 100
119 5.6 75.8 113.8#
121 0.0 24.6 37.0#





#39

Methylcyclohexane

Concen: 0.209 ug/l

RT: 9.392 min Scan# 1119

Delta R.T. -0.006 min

Lab File: VN073621.D

Acq: 28 Jul 2022 12:58

Instrument :

MSVOA_N

ClientSampleId :

IBLK

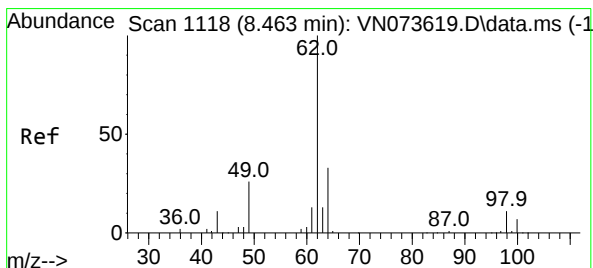
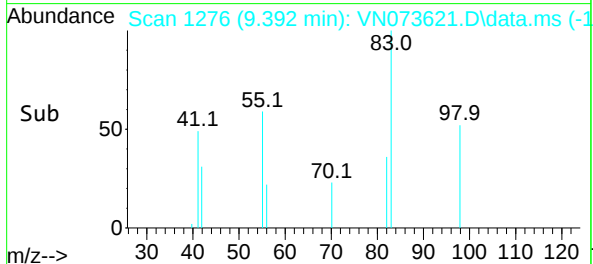
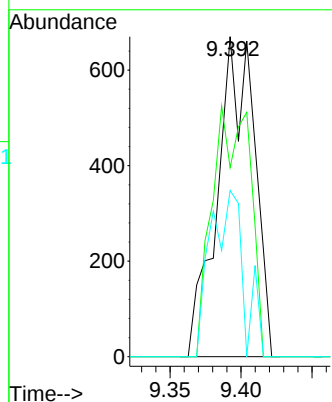
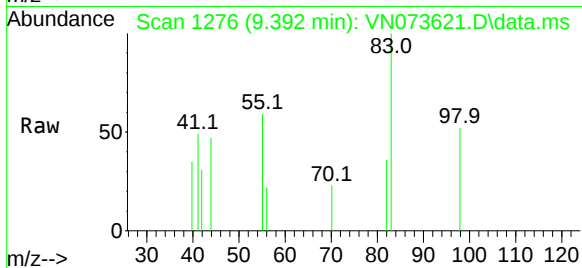
Tgt Ion: 83 Resp: 1215

Ion Ratio Lower Upper

83 100

55 59.1 57.8 86.8

98 51.9 39.4 59.2



#42

1,2-Dichloroethane

Concen: 0.242 ug/l

RT: 8.469 min Scan# 1119

Delta R.T. 0.006 min

Lab File: VN073621.D

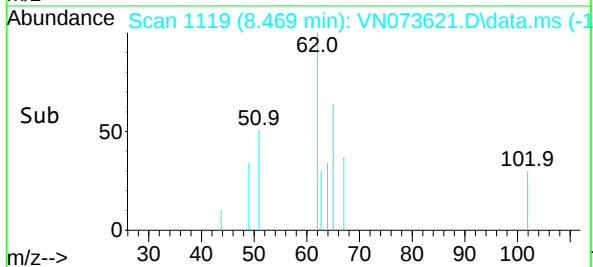
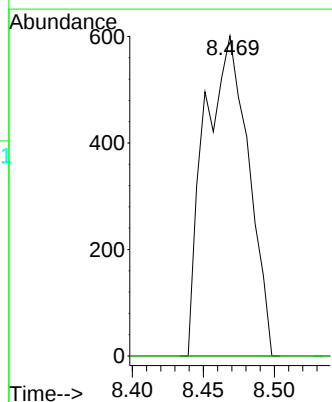
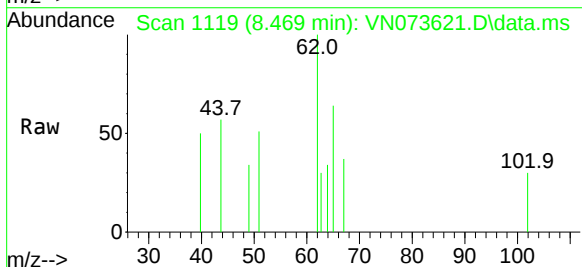
Acq: 28 Jul 2022 12:58

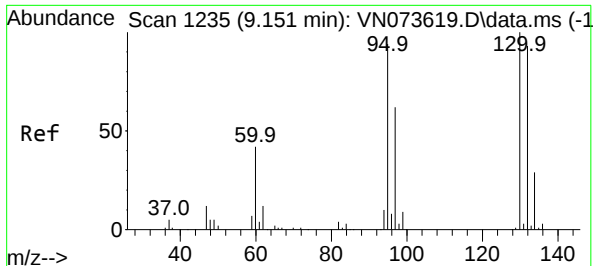
Tgt Ion: 62 Resp: 1291

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.4

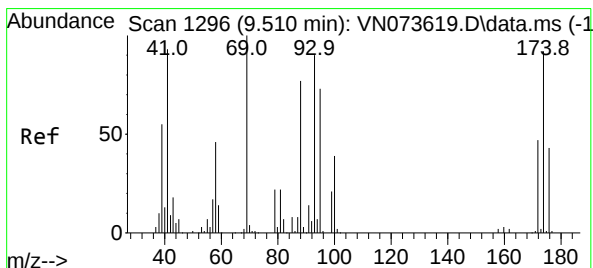
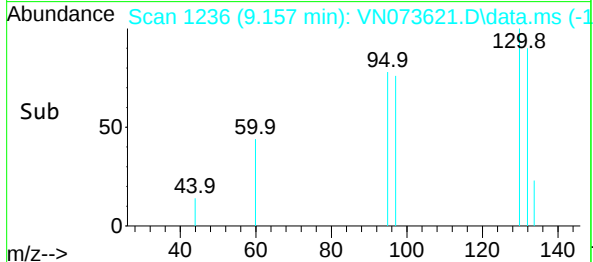
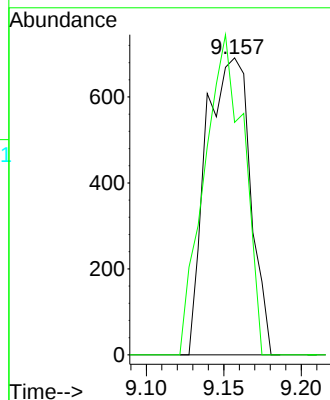
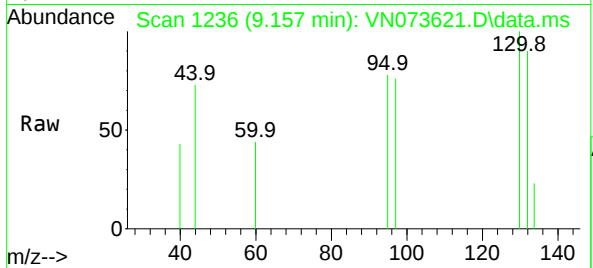




#44
Trichloroethene
Concen: 0.342 ug/l
RT: 9.157 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073621.D
Acq: 28 Jul 2022 12:58

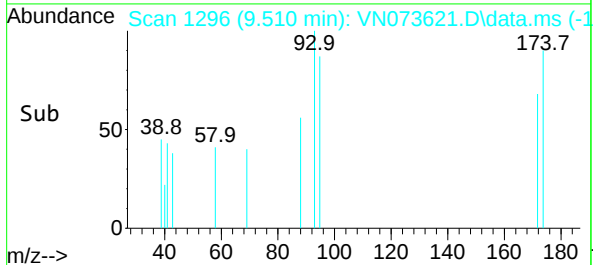
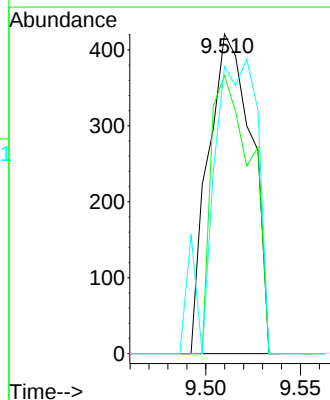
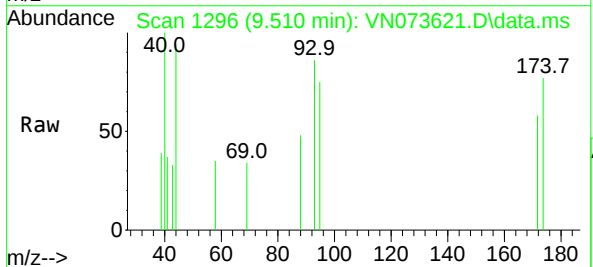
Instrument :
MSVOA_N
ClientSampleId :
IBLK

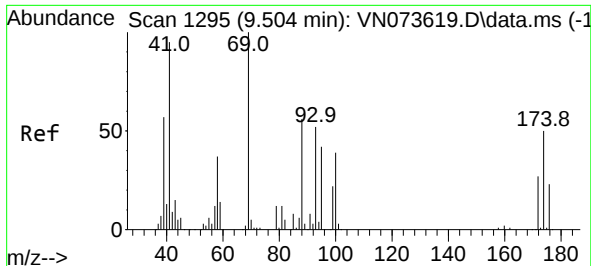
Tgt Ion:130 Resp: 1369
Ion Ratio Lower Upper
130 100
95 78.3 0.0 186.8



#46
Dibromomethane
Concen: 0.244 ug/l
RT: 9.510 min Scan# 1296
Delta R.T. 0.000 min
Lab File: VN073621.D
Acq: 28 Jul 2022 12:58

Tgt Ion: 93 Resp: 670
Ion Ratio Lower Upper
93 100
95 80.6 66.9 100.3
174 96.9 86.6 130.0

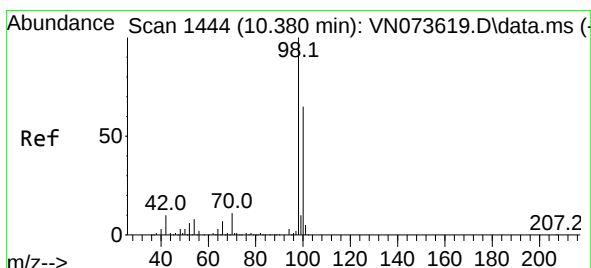
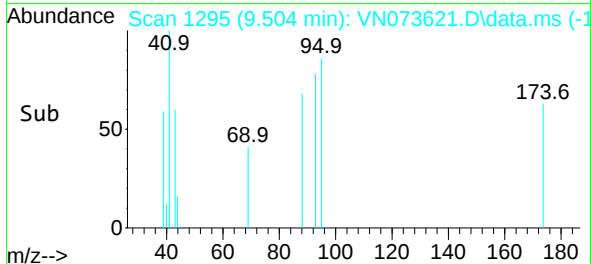
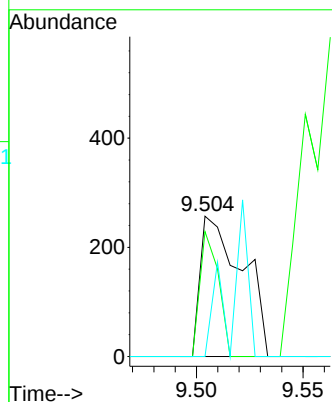
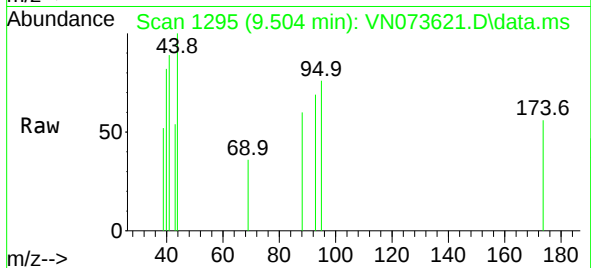




#49
1,4-Dioxane
Concen: 3.287 ug/l
RT: 9.504 min Scan# 1295
Delta R.T. -0.000 min
Lab File: VN073621.D
Acq: 28 Jul 2022 12:58

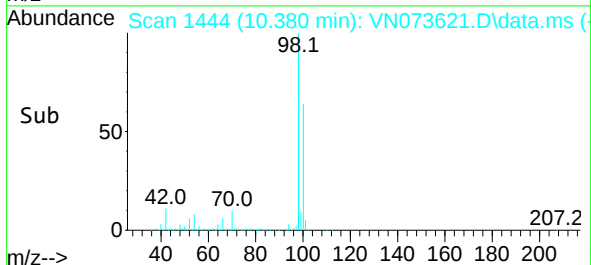
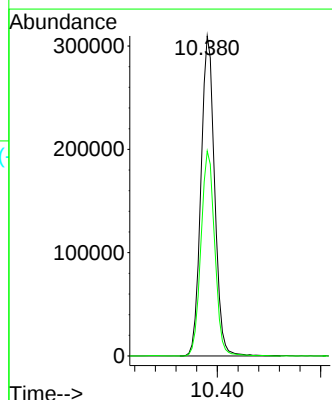
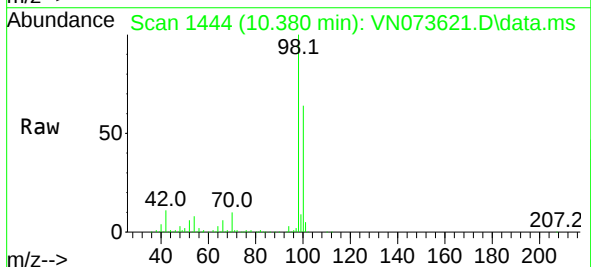
Instrument :
MSVOA_N
ClientSampleId :
IBLK

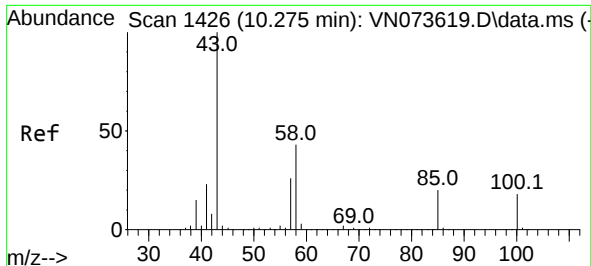
Tgt Ion: 88 Resp: 351
Ion Ratio Lower Upper
88 100
43 39.3 20.2 30.4#
58 46.2 54.2 81.4#



#50
Toluene-d8
Concen: 42.295 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073621.D
Acq: 28 Jul 2022 12:58

Tgt Ion: 98 Resp: 568197
Ion Ratio Lower Upper
98 100
100 64.6 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.676 ug/l

RT: 10.275 min Scan# 1426

Delta R.T. -0.000 min

Lab File: VN073621.D

Acq: 28 Jul 2022 12:58

Instrument :

MSVOA_N

ClientSampleId :

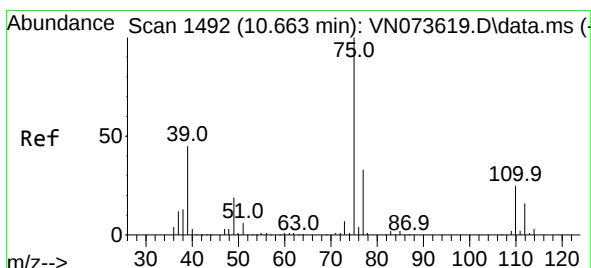
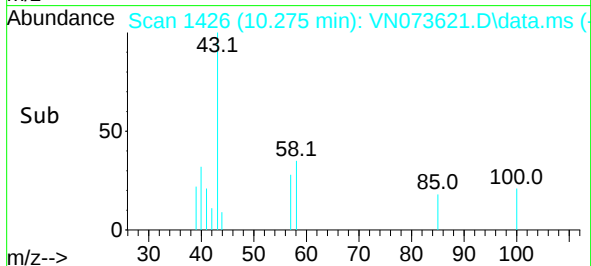
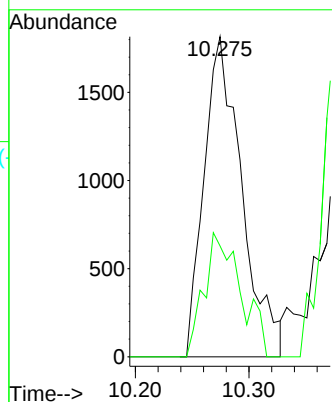
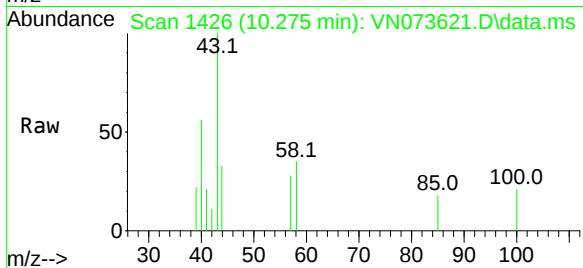
IBLK

Tgt Ion: 43 Resp: 4195

Ion Ratio Lower Upper

43 100

58 37.7 34.1 51.1



#53

t-1,3-Dichloropropene

Concen: 0.243 ug/l

RT: 10.657 min Scan# 1491

Delta R.T. -0.006 min

Lab File: VN073621.D

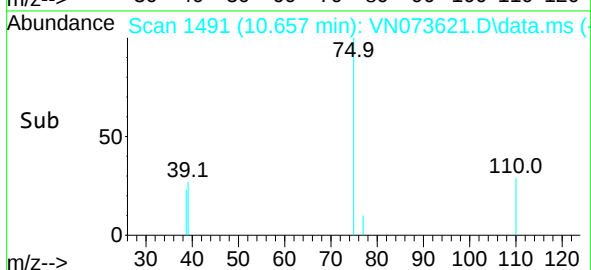
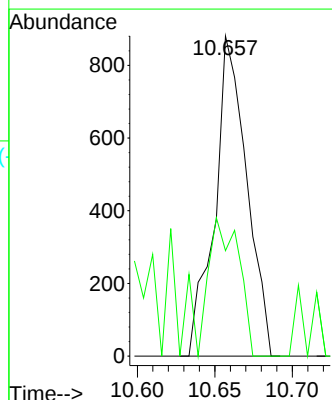
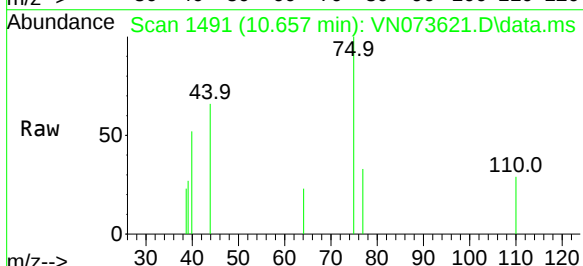
Acq: 28 Jul 2022 12:58

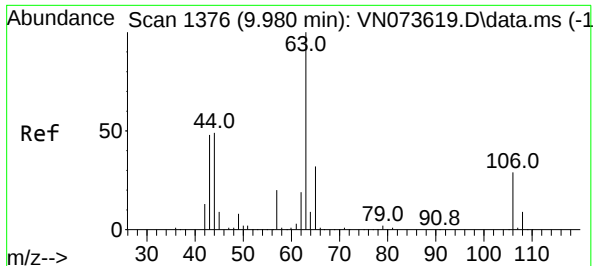
Tgt Ion: 75 Resp: 1264

Ion Ratio Lower Upper

75 100

77 32.9 25.6 38.4

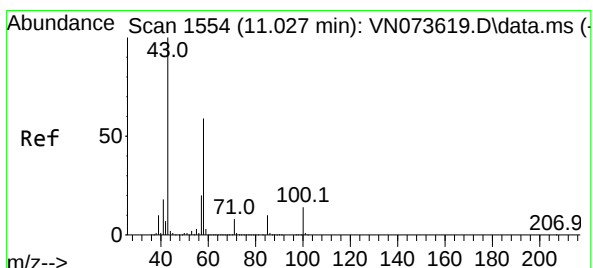
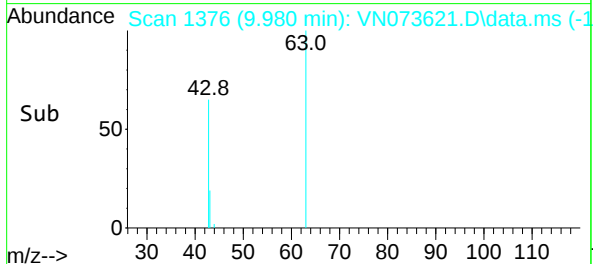
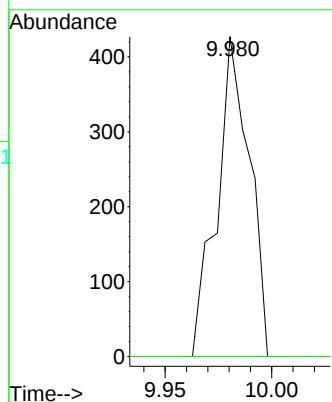
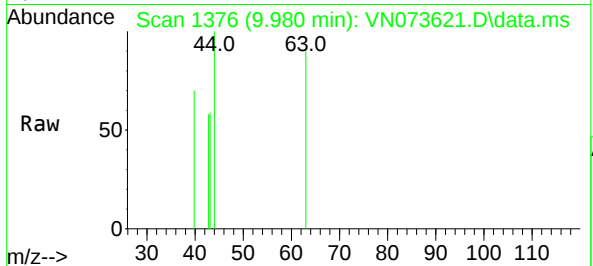




#58
2-Chloroethyl Vinyl ether
Concen: 10.090 ug/l
RT: 9.980 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073621.D
Acq: 28 Jul 2022 12:58

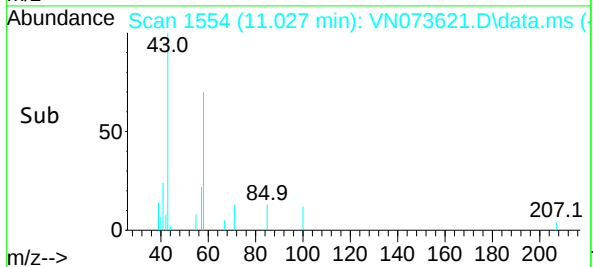
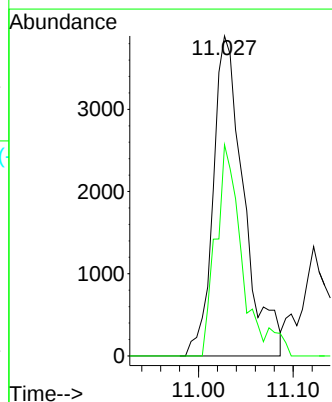
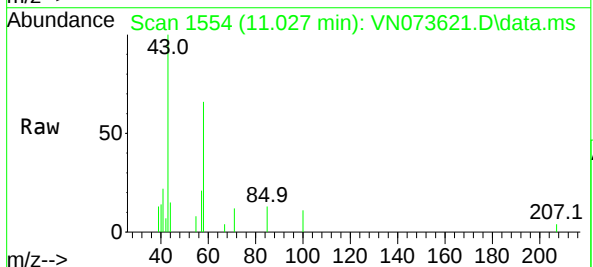
Instrument :
MSVOA_N
ClientSampleId :
IBLK

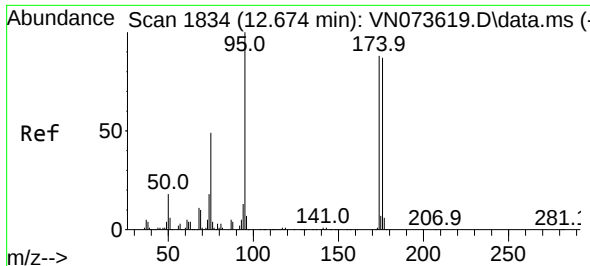
Tgt Ion: 63 Resp: 454
Ion Ratio Lower Upper
63 100
106 0.0 24.6 36.8#



#59
2-Hexanone
Concen: 1.860 ug/l
RT: 11.027 min Scan# 1554
Delta R.T. 0.000 min
Lab File: VN073621.D
Acq: 28 Jul 2022 12:58

Tgt Ion: 43 Resp: 8749
Ion Ratio Lower Upper
43 100
58 52.8 29.7 89.1

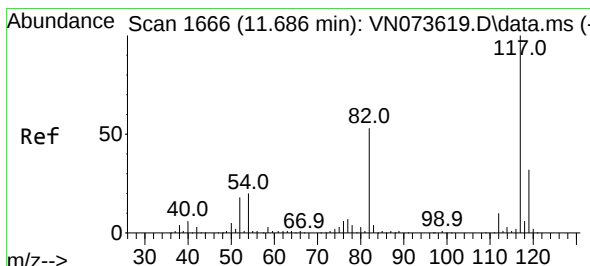
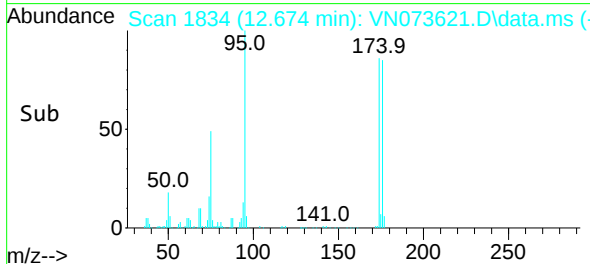
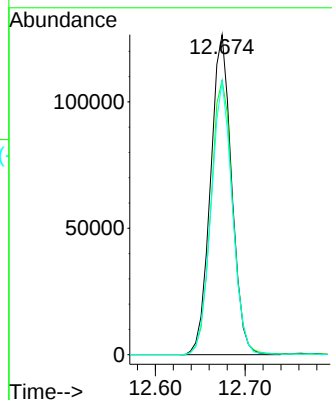
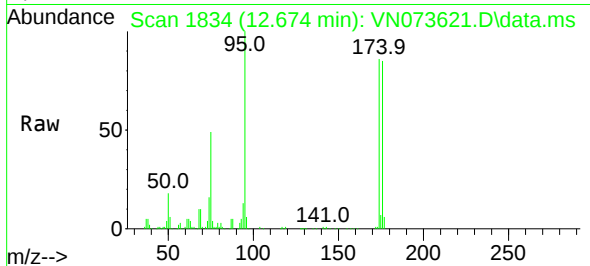




#62
4-Bromofluorobenzene
Concen: 46.802 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073621.D
Acq: 28 Jul 2022 12:58

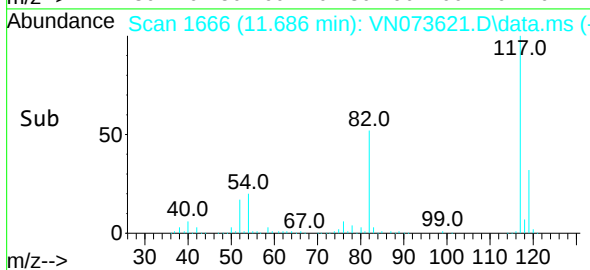
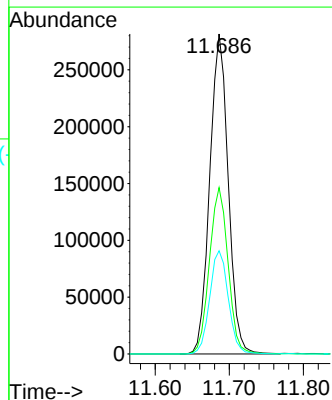
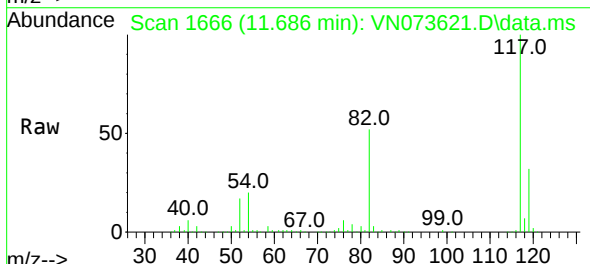
Instrument :
MSVOA_N
ClientSampleId :
IBLK

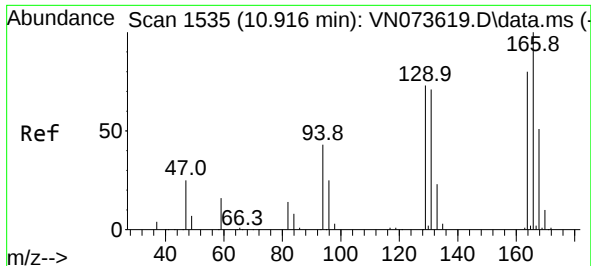
Tgt Ion: 95 Resp: 207461
Ion Ratio Lower Upper
95 100
174 88.3 0.0 167.6
176 85.6 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073621.D
Acq: 28 Jul 2022 12:58

Tgt Ion: 117 Resp: 487365
Ion Ratio Lower Upper
117 100
82 52.0 44.2 66.2
119 32.3 25.4 38.0

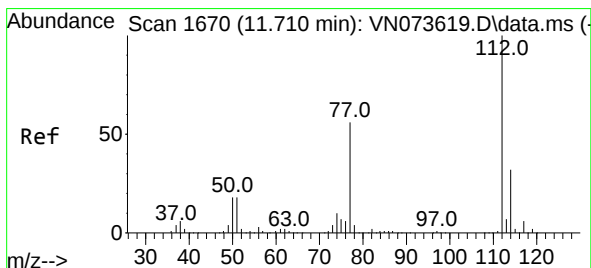
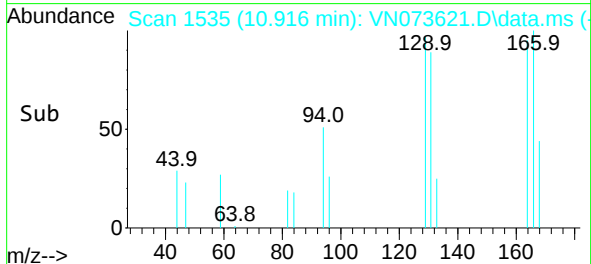
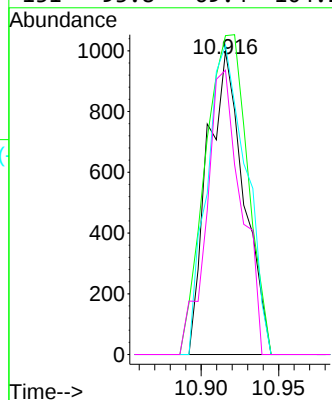
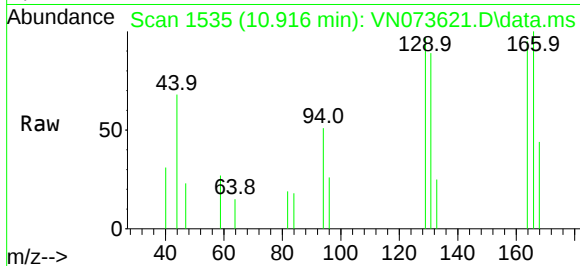




#64
Tetrachloroethene
Concen: 0.421 ug/l
RT: 10.916 min Scan# 1535
Delta R.T. 0.000 min
Lab File: VN073621.D
Acq: 28 Jul 2022 12:58

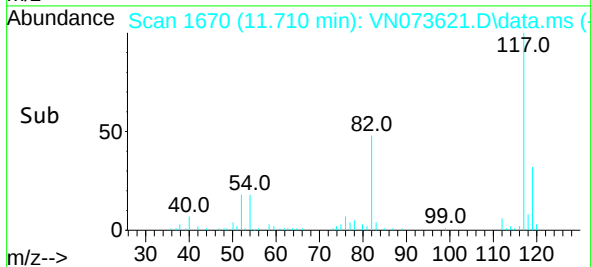
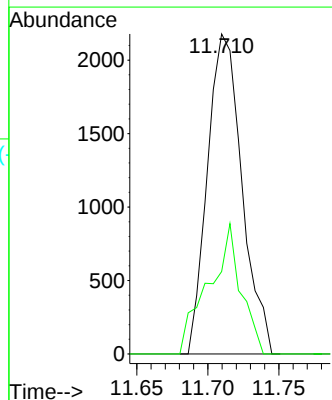
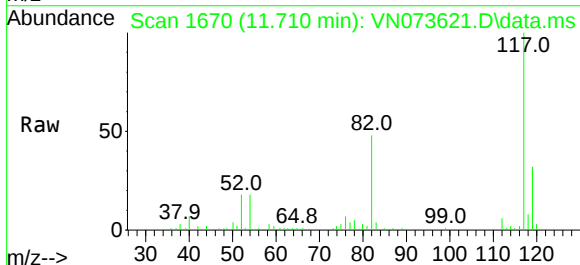
Instrument :
MSVOA_N
ClientSampleId :
IBLK

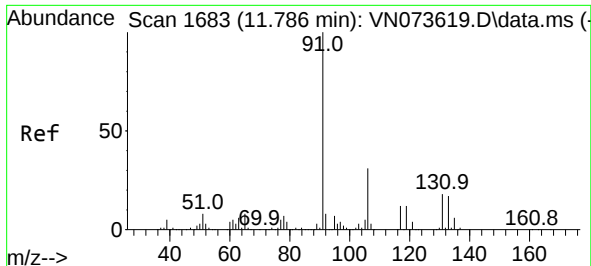
Tgt Ion:164	Resp:	1631
Ion	Ratio	Lower Upper
164	100	
166	105.2	104.2 156.2
129	102.1	73.9 110.9
131	93.8	69.4 104.2



#65
Chlorobenzene
Concen: 0.356 ug/l
RT: 11.710 min Scan# 1670
Delta R.T. 0.000 min
Lab File: VN073621.D
Acq: 28 Jul 2022 12:58

Tgt Ion:112	Resp:	3682
Ion	Ratio	Lower Upper
112	100	
114	25.8	25.4 38.2

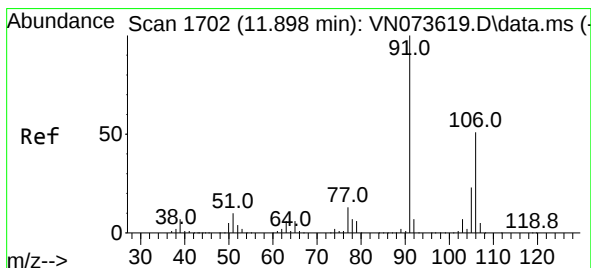
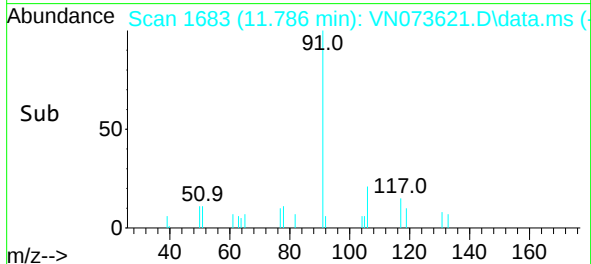
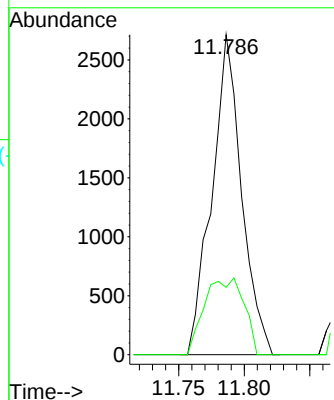
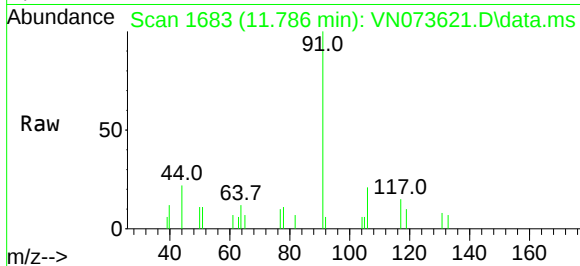




#67
Ethyl Benzene
Concen: 0.244 ug/l
RT: 11.786 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN073621.D
Acq: 28 Jul 2022 12:58

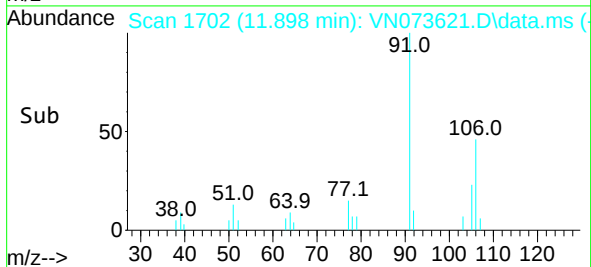
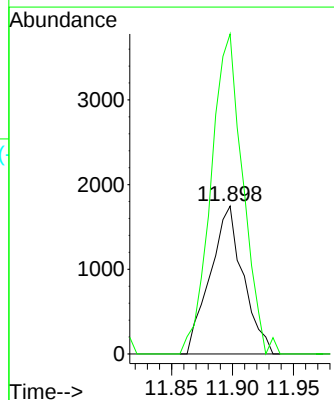
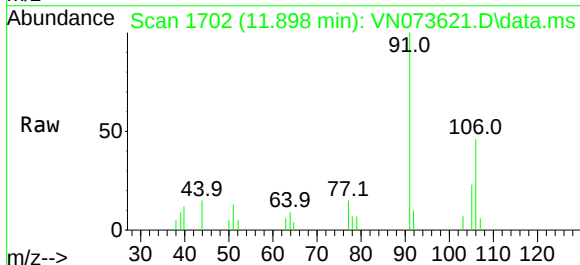
Instrument :
MSVOA_N
ClientSampleId :
IBLK

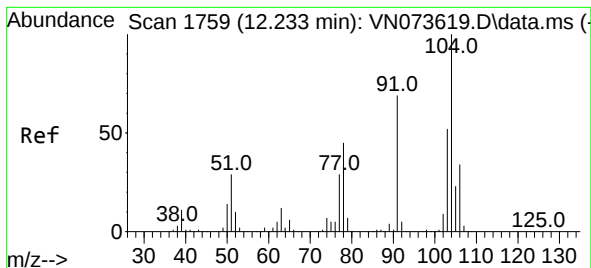
Tgt Ion: 91 Resp: 4264
Ion Ratio Lower Upper
91 100
106 21.1 24.9 37.3#



#68
m/p-Xylenes
Concen: 0.494 ug/l
RT: 11.898 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN073621.D
Acq: 28 Jul 2022 12:58

Tgt Ion: 106 Resp: 3292
Ion Ratio Lower Upper
106 100
91 209.4 158.9 238.3





#70

Styrene

Concen: 0.292 ug/l

RT: 12.233 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN073621.D

Acq: 28 Jul 2022 12:58

Instrument :

MSVOA_N

ClientSampleId :

IBLK

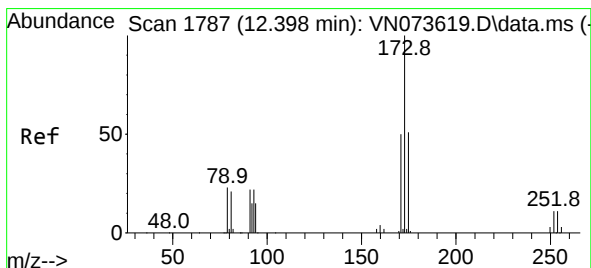
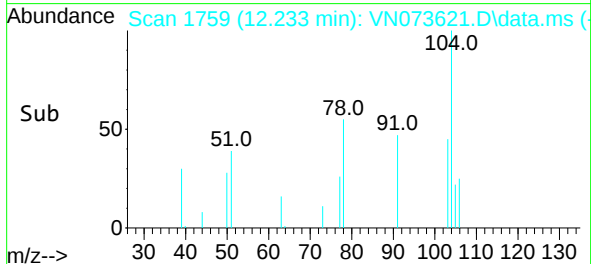
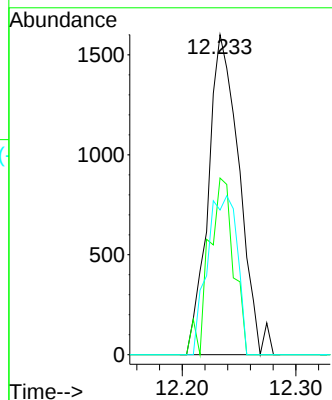
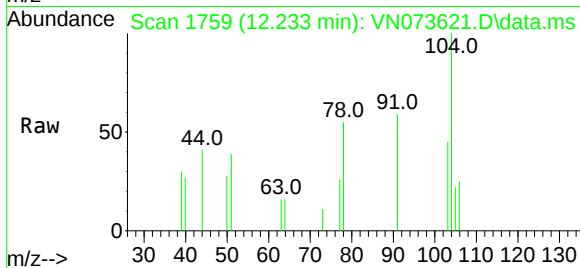
Tgt Ion:104 Resp: 3032

Ion Ratio Lower Upper

104 100

78 44.1 39.5 59.3

103 48.3 44.0 66.0



#71

Bromoform

Concen: 0.256 ug/l

RT: 12.392 min Scan# 1786

Delta R.T. -0.006 min

Lab File: VN073621.D

Acq: 28 Jul 2022 12:58

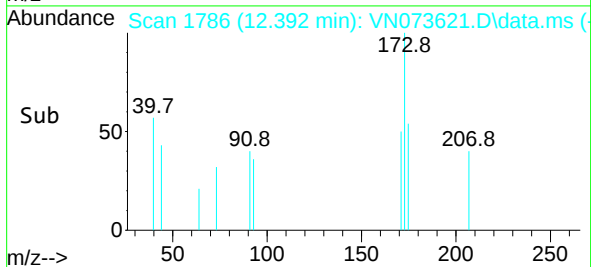
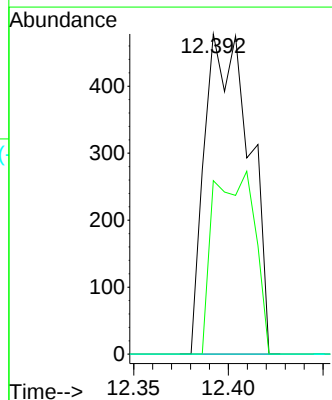
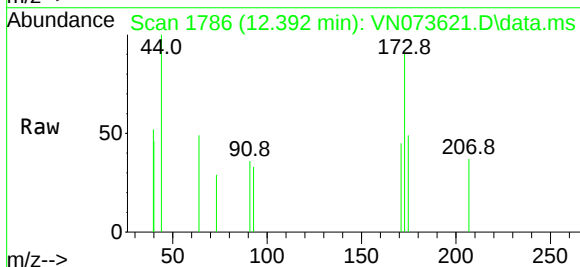
Tgt Ion:173 Resp: 786

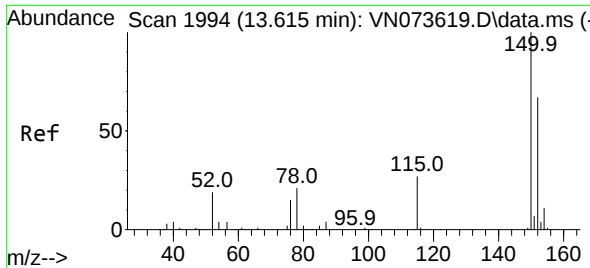
Ion Ratio Lower Upper

173 100

175 52.7 24.6 73.6

254 0.0 0.1 0.1#

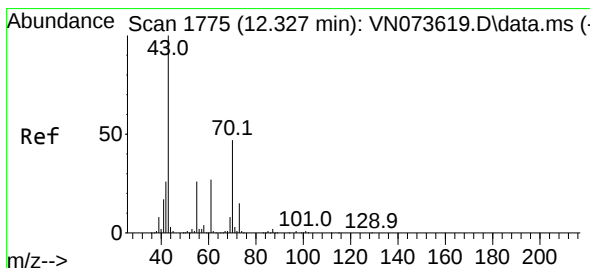
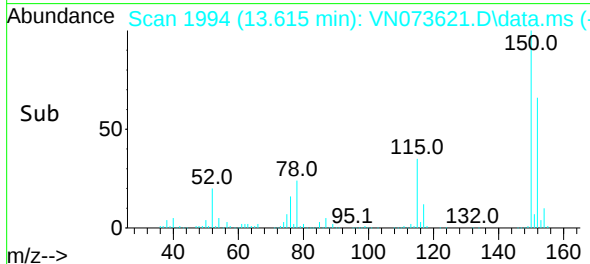
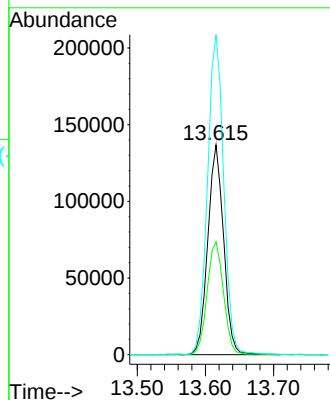
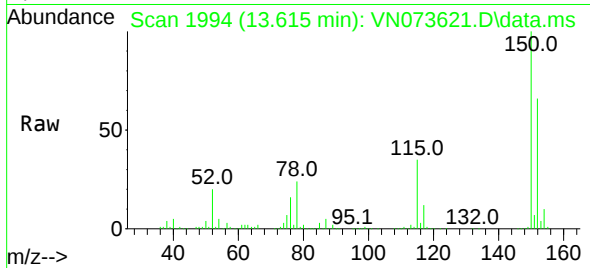




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.615 min Scan# 1994
 Delta R.T. 0.000 min
 Lab File: VN073621.D
 Acq: 28 Jul 2022 12:58

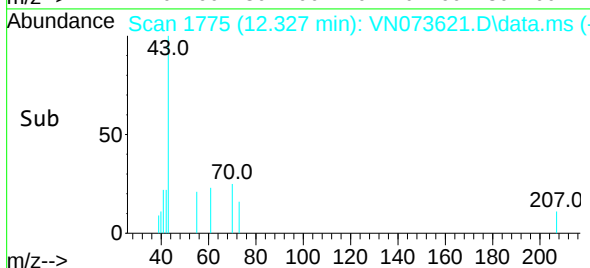
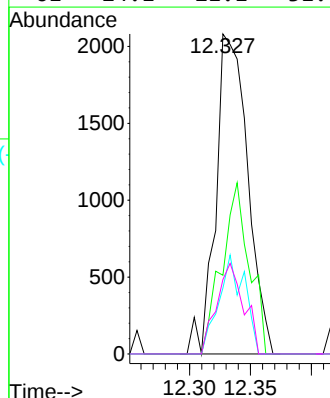
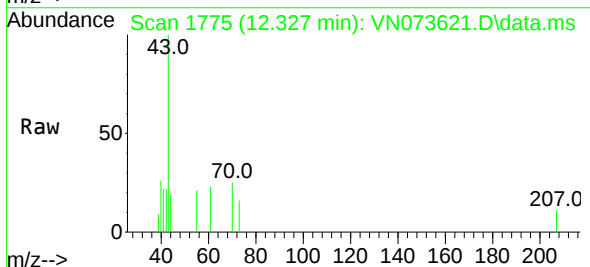
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

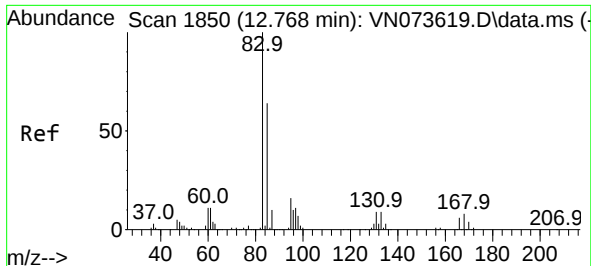
Tgt Ion:152 Resp: 220832
 Ion Ratio Lower Upper
 152 100
 115 55.9 28.9 86.7
 150 156.0 0.0 356.2



#74
 N-ethyl acetate
 Concen: 0.619 ug/l
 RT: 12.327 min Scan# 1775
 Delta R.T. 0.000 min
 Lab File: VN073621.D
 Acq: 28 Jul 2022 12:58

Tgt Ion: 43 Resp: 3783
 Ion Ratio Lower Upper
 43 100
 70 46.4 39.0 58.4
 55 24.9 21.1 31.7
 61 24.1 21.1 31.7

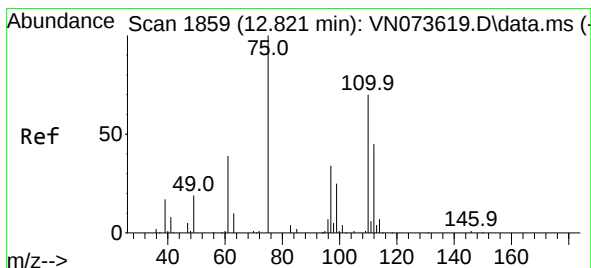
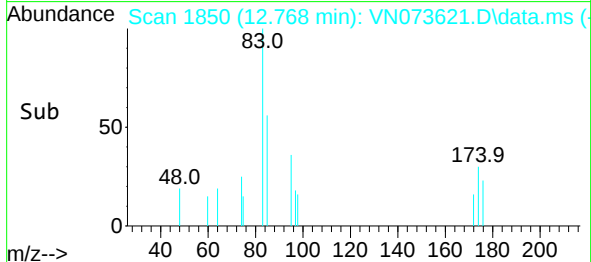
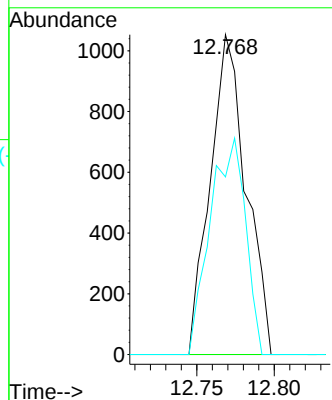
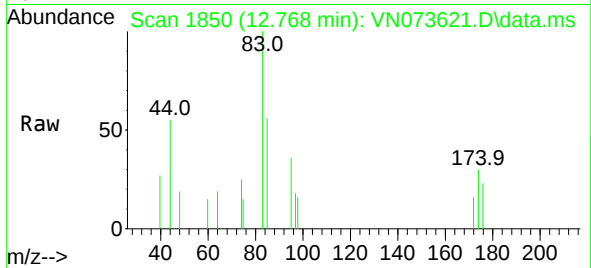




#75
1,1,2,2-Tetrachloroethane
Concen: 0.272 ug/l
RT: 12.768 min Scan# 1850
Delta R.T. 0.000 min
Lab File: VN073621.D
Acq: 28 Jul 2022 12:58

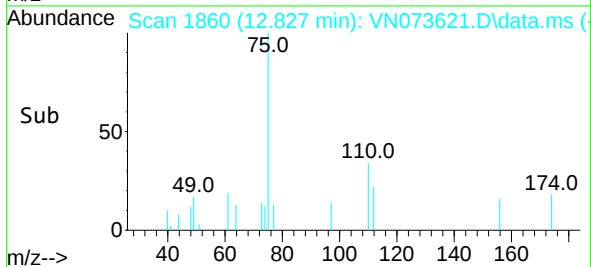
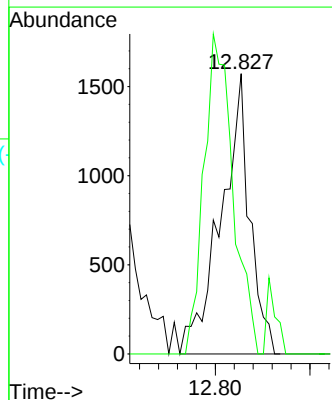
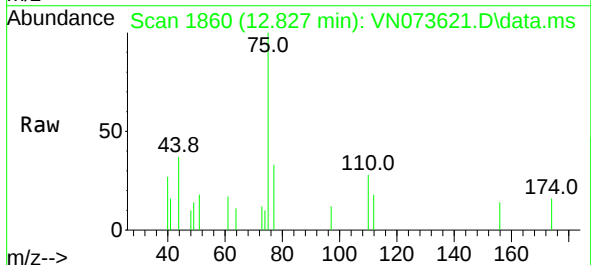
Instrument :
MSVOA_N
ClientSampleId :
IBLK

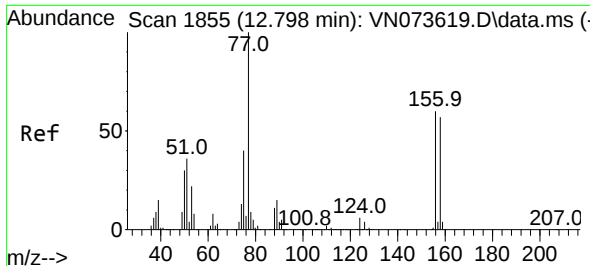
Tgt Ion: 83 Resp: 1695
Ion Ratio Lower Upper
83 100
131 0.0 5.3 15.9#
85 66.6 32.3 96.9



#76
1,2,3-Trichloropropane
Concen: Below Cal
RT: 12.827 min Scan# 1860
Delta R.T. 0.006 min
Lab File: VN073621.D
Acq: 28 Jul 2022 12:58

Tgt Ion: 75 Resp: 3297
Ion Ratio Lower Upper
75 100
77 0.0 98.5 295.5#

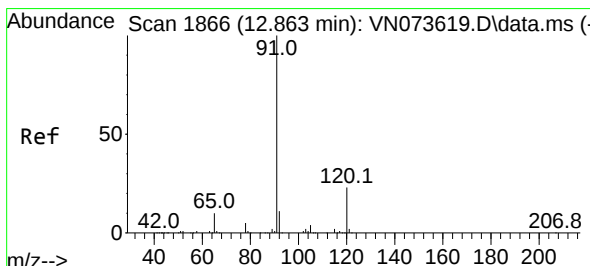
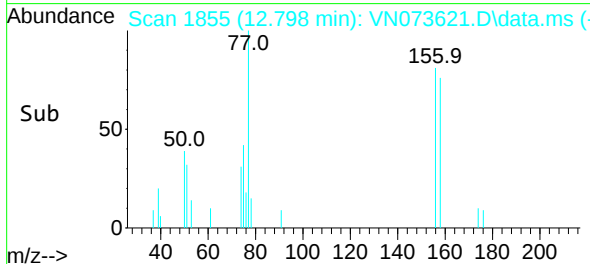
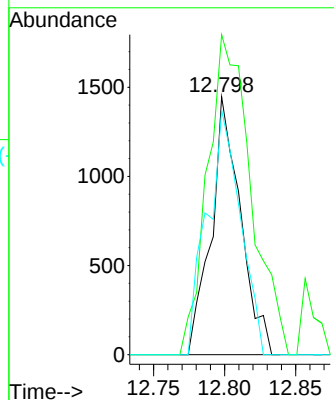
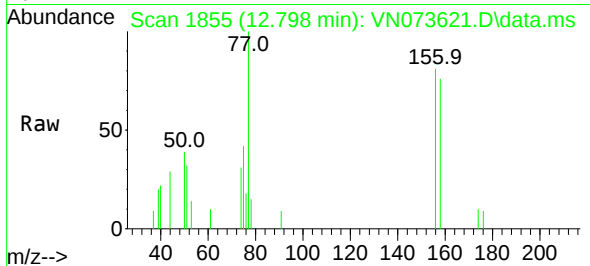




#77
Bromobenzene
Concen: 0.496 ug/l
RT: 12.798 min Scan# 1855
Delta R.T. 0.000 min
Lab File: VN073621.D
Acq: 28 Jul 2022 12:58

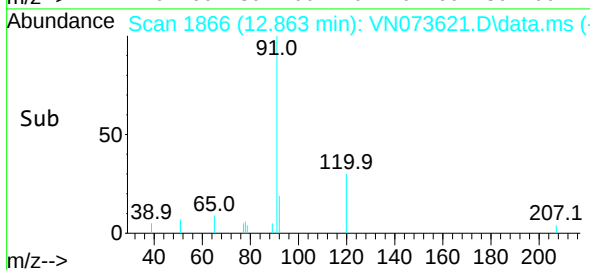
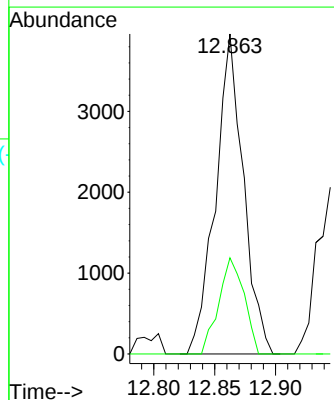
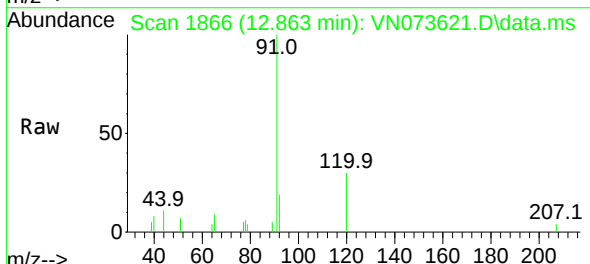
Instrument :
MSVOA_N
ClientSampleId :
IBLK

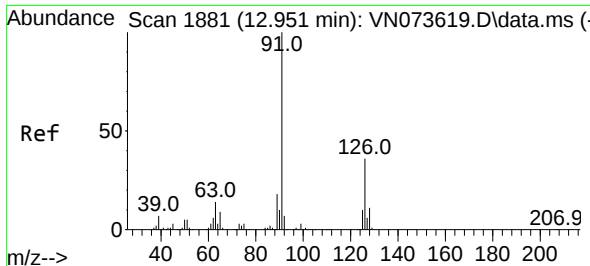
Tgt Ion:	156	Resp:	2088
Ion Ratio	Lower	Upper	
156	100		
77	182.5	100.5	301.5
158	106.8	48.9	146.6



#78
n-propylbenzene
Concen: 0.346 ug/l
RT: 12.863 min Scan# 1866
Delta R.T. 0.000 min
Lab File: VN073621.D
Acq: 28 Jul 2022 12:58

Tgt Ion:	91	Resp:	6292
Ion Ratio	Lower	Upper	
91	100		
120	27.3	11.9	35.5

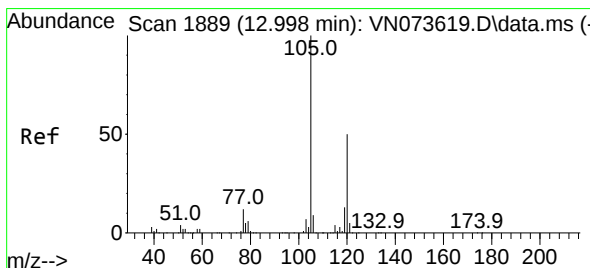
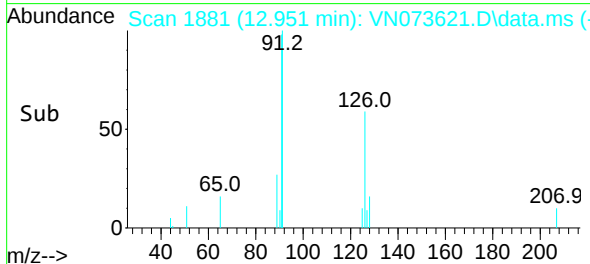
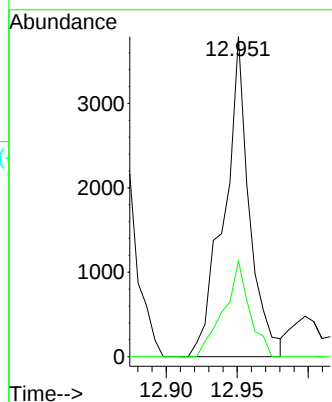
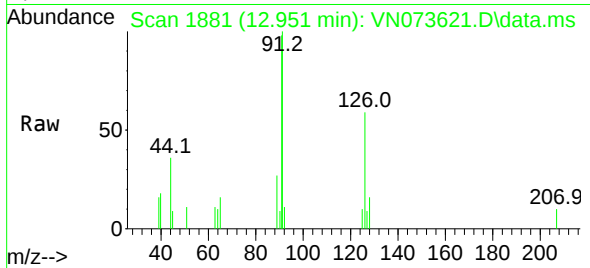




#79
2-Chlorotoluene
Concen: 0.412 ug/l
RT: 12.951 min Scan# 1881
Delta R.T. 0.000 min
Lab File: VN073621.D
Acq: 28 Jul 2022 12:58

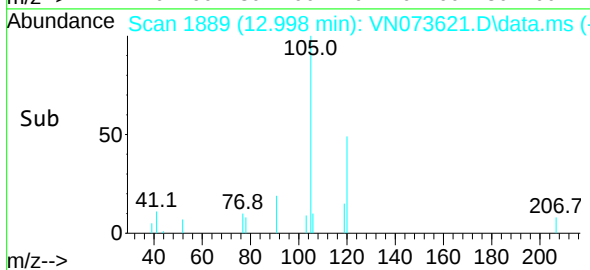
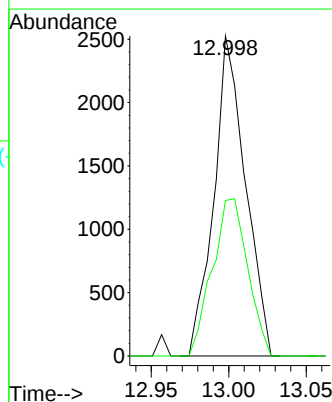
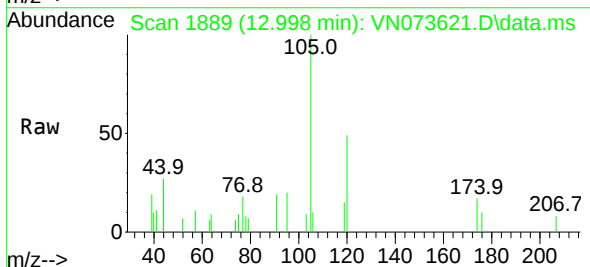
Instrument :
MSVOA_N
ClientSampleId :
IBLK

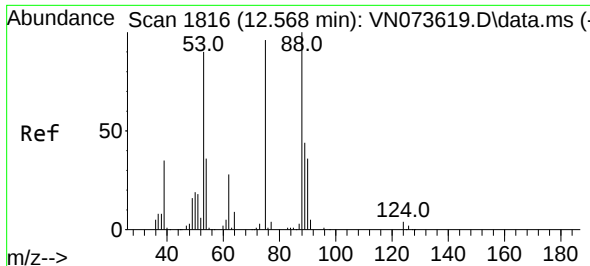
Tgt Ion: 91 Resp: 4677
Ion Ratio Lower Upper
91 100
126 30.4 17.3 51.9



#80
1,3,5-Trimethylbenzene
Concen: 0.268 ug/l
RT: 12.998 min Scan# 1889
Delta R.T. 0.000 min
Lab File: VN073621.D
Acq: 28 Jul 2022 12:58

Tgt Ion: 105 Resp: 3570
Ion Ratio Lower Upper
105 100
120 55.2 24.9 74.7

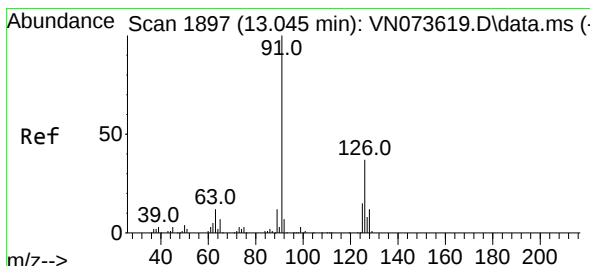
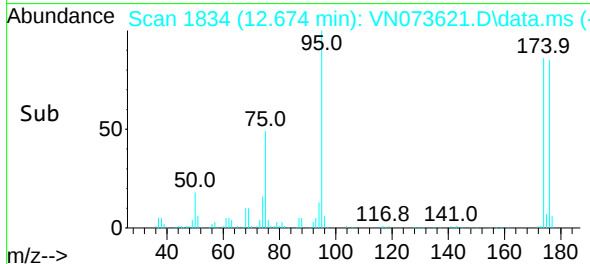
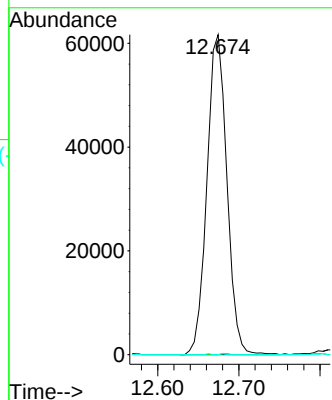
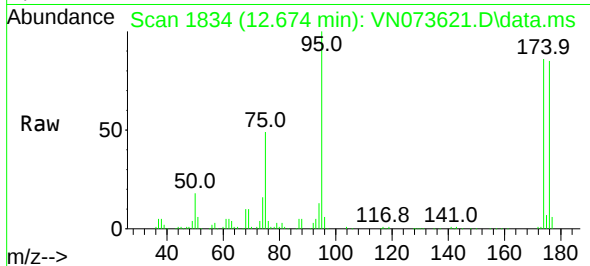




#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.788 ug/l
 RT: 12.674 min Scan# 1834
 Delta R.T. 0.106 min
 Lab File: VN073621.D
 Acq: 28 Jul 2022 12:58

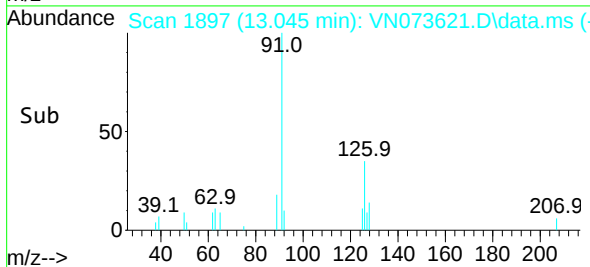
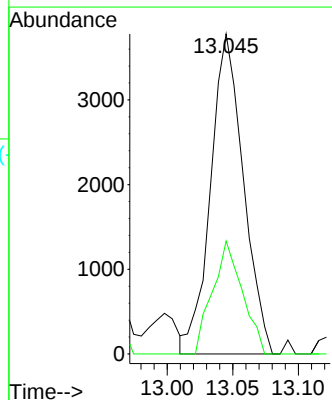
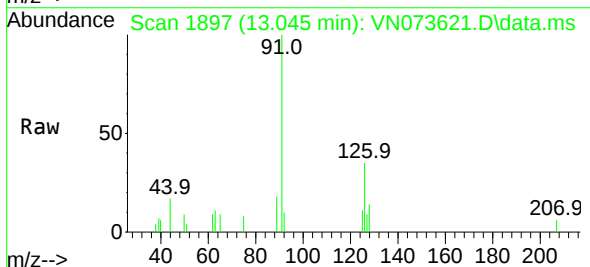
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

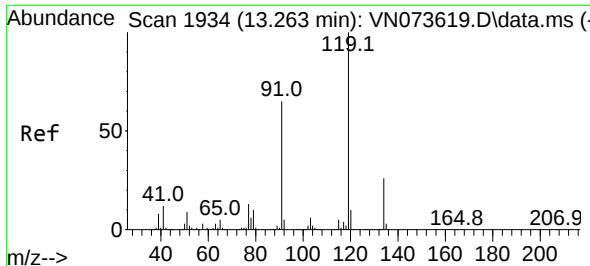
Tgt Ion: 75 Resp: 105289
 Ion Ratio Lower Upper
 75 100
 53 0.2 78.0 117.0#
 89 0.1 37.2 55.8#



#82
 4-Chlorotoluene
 Concen: 0.610 ug/l
 RT: 13.045 min Scan# 1897
 Delta R.T. 0.000 min
 Lab File: VN073621.D
 Acq: 28 Jul 2022 12:58

Tgt Ion: 91 Resp: 6566
 Ion Ratio Lower Upper
 91 100
 126 32.2 17.2 51.6

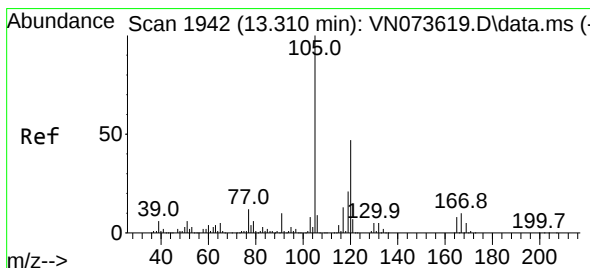
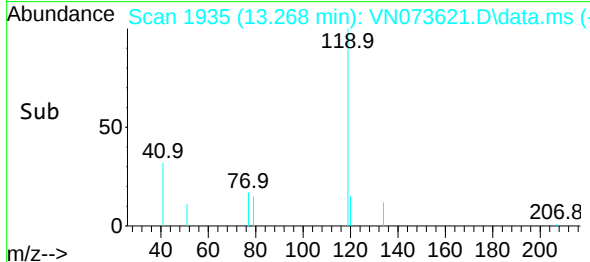
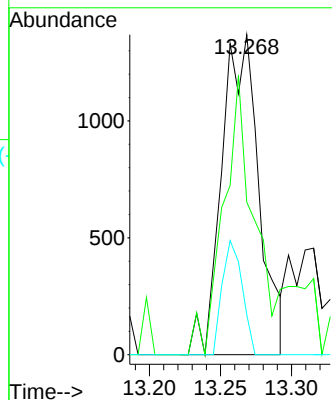
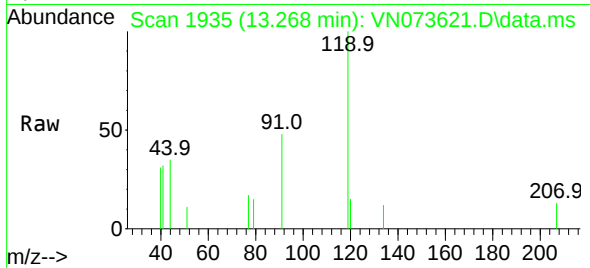




#83
tert-Butylbenzene
Concen: 0.213 ug/l
RT: 13.268 min Scan# 1934
Delta R.T. 0.006 min
Lab File: VN073621.D
Acq: 28 Jul 2022 12:58

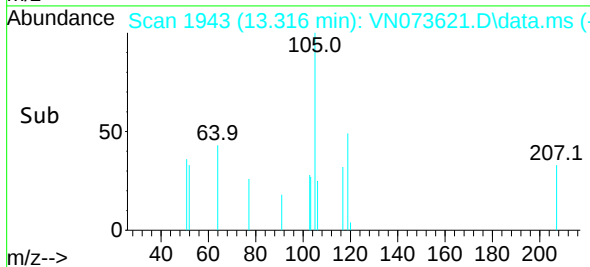
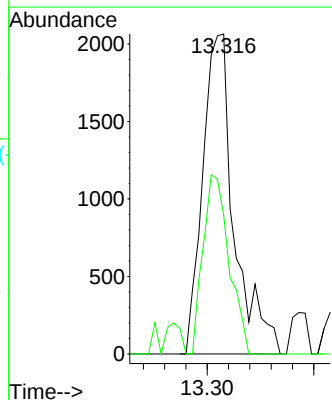
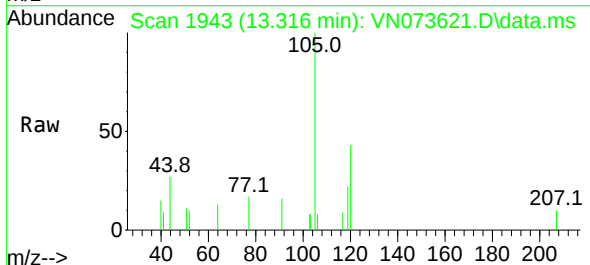
Instrument :
MSVOA_N
ClientSampleId :
IBLK

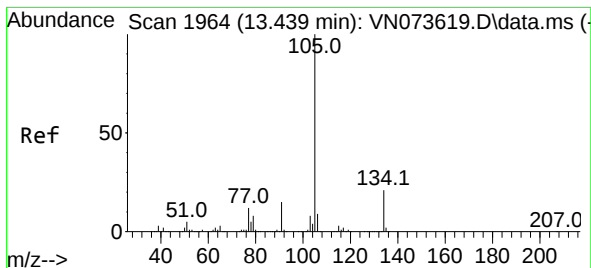
Tgt Ion:119 Resp: 2506
Ion Ratio Lower Upper
119 100
91 73.3 31.6 94.8
134 19.0 13.7 41.1



#84
1,2,4-Trimethylbenzene
Concen: 0.323 ug/l
RT: 13.316 min Scan# 1943
Delta R.T. 0.006 min
Lab File: VN073621.D
Acq: 28 Jul 2022 12:58

Tgt Ion:105 Resp: 4220
Ion Ratio Lower Upper
105 100
120 46.5 23.3 69.8





#85

sec-Butylbenzene

Concen: 0.282 ug/l

RT: 13.439 min Scan# 1964

Delta R.T. 0.000 min

Lab File: VN073621.D

Acq: 28 Jul 2022 12:58

Instrument :

MSVOA_N

ClientSampleId :

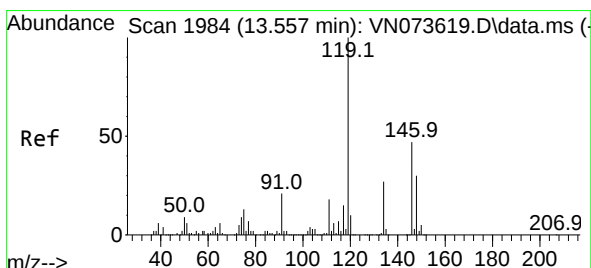
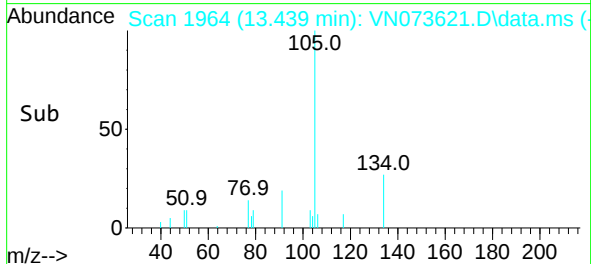
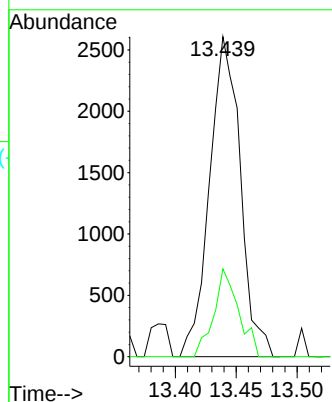
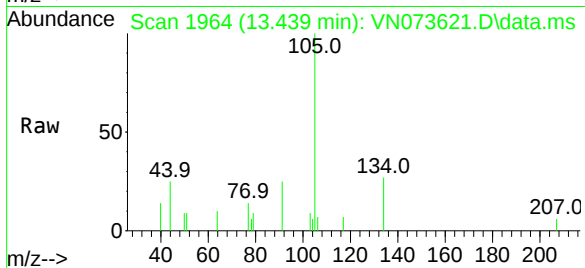
IBLK

Tgt Ion:105 Resp: 4592

Ion Ratio Lower Upper

105 100

134 22.1 10.4 31.1



#86

p-Isopropyltoluene

Concen: 0.345 ug/l

RT: 13.557 min Scan# 1984

Delta R.T. 0.000 min

Lab File: VN073621.D

Acq: 28 Jul 2022 12:58

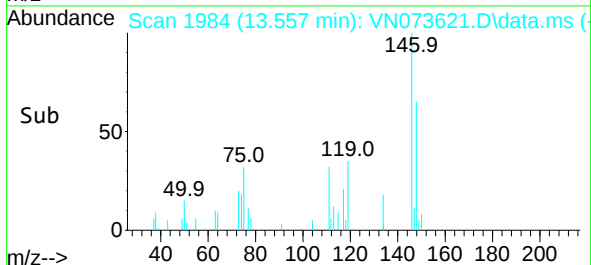
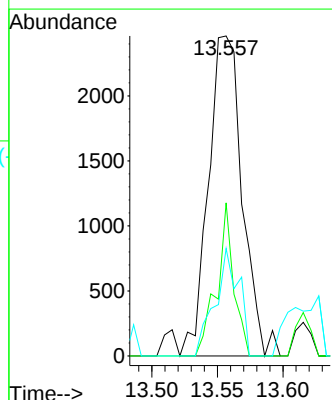
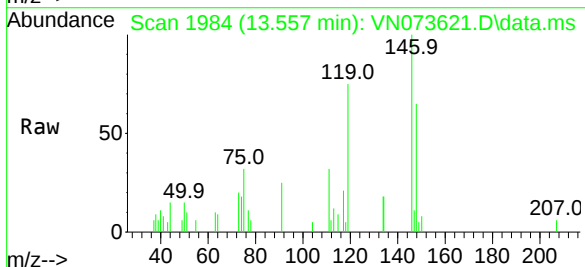
Tgt Ion:119 Resp: 4430

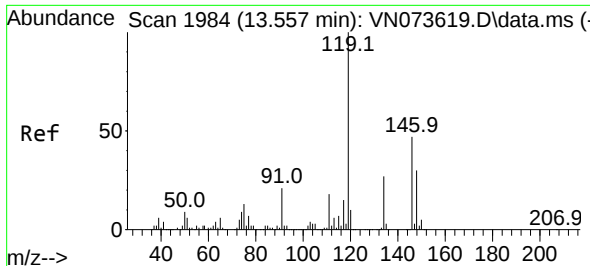
Ion Ratio Lower Upper

119 100

134 23.9 13.3 39.8

91 23.5 11.3 33.9





#87

1,3-Dichlorobenzene

Concen: 0.827 ug/l

RT: 13.551 min Scan# 1983

Delta R.T. -0.006 min

Lab File: VN073621.D

Acq: 28 Jul 2022 12:58

Instrument :

MSVOA_N

ClientSampleId :

IBLK

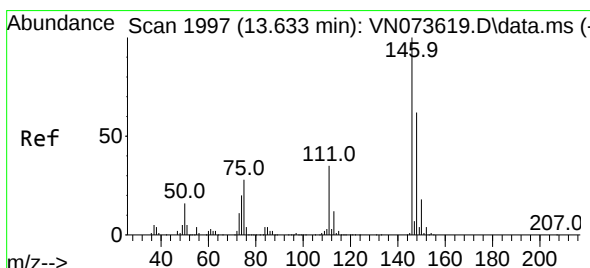
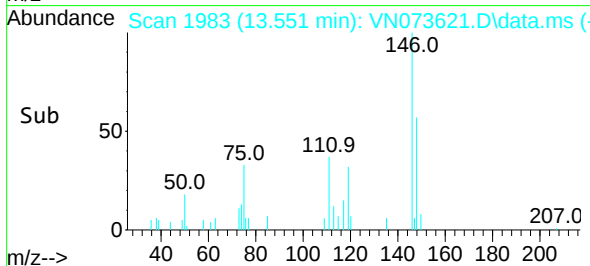
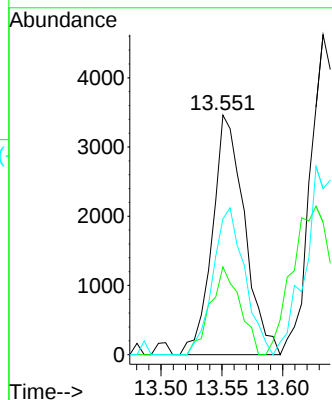
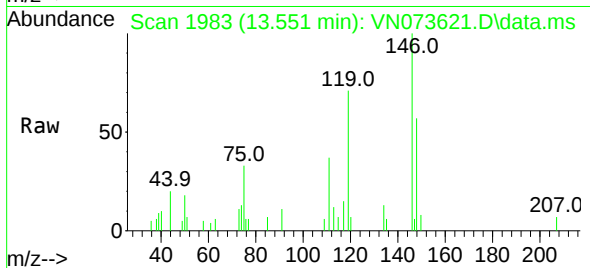
Tgt Ion:146 Resp: 6357

Ion Ratio Lower Upper

146 100

111 33.7 20.0 60.0

148 60.2 32.0 96.0



#88

1,4-Dichlorobenzene

Concen: 0.827 ug/l

RT: 13.551 min Scan# 1983

Delta R.T. -0.082 min

Lab File: VN073621.D

Acq: 28 Jul 2022 12:58

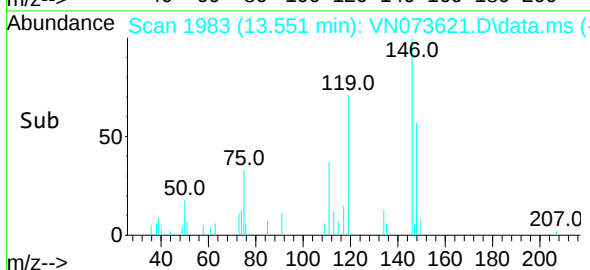
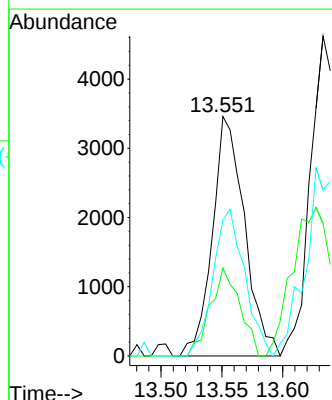
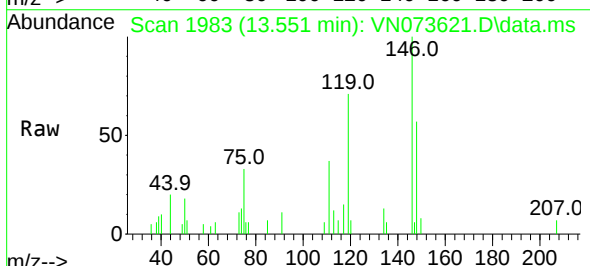
Tgt Ion:146 Resp: 6357

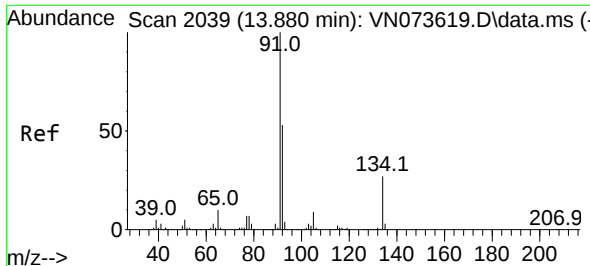
Ion Ratio Lower Upper

146 100

111 33.7 19.1 57.1

148 60.2 31.4 94.3

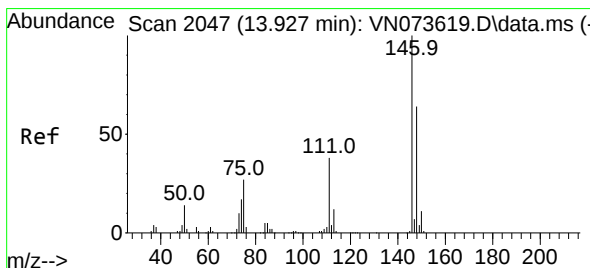
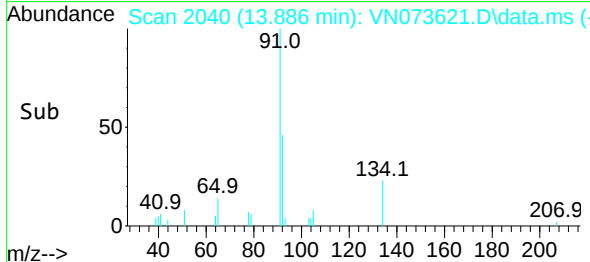
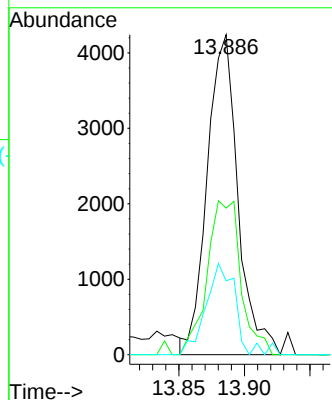
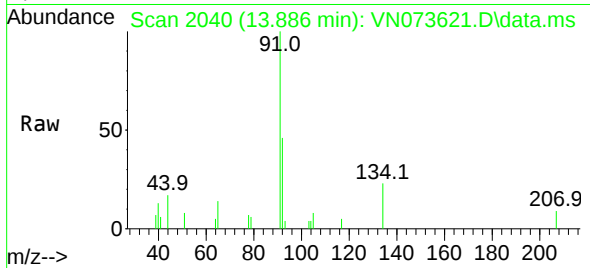




#89
n-Butylbenzene
Concen: 0.661 ug/l
RT: 13.886 min Scan# 2039
Delta R.T. 0.006 min
Lab File: VN073621.D
Acq: 28 Jul 2022 12:58

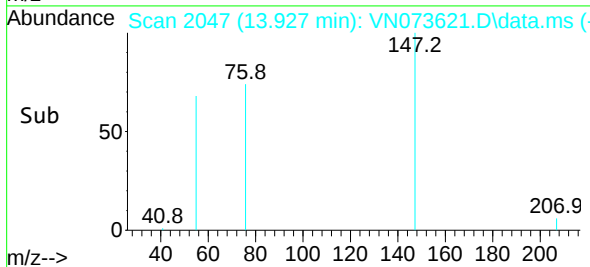
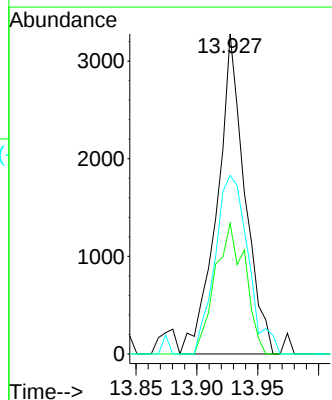
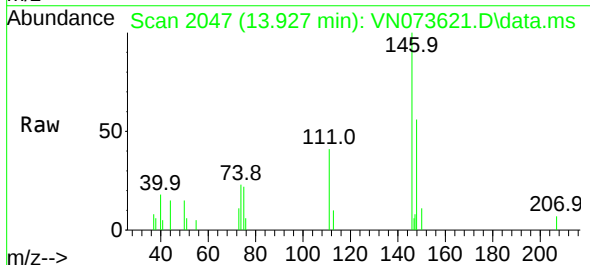
Instrument :
MSVOA_N
ClientSampleId :
IBLK

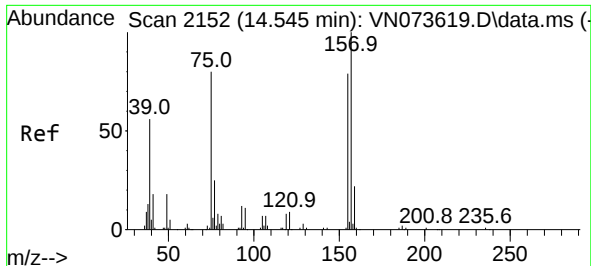
Tgt Ion: 91	Resp: 6909
Ion Ratio	Lower Upper
91	100
92	52.8 26.9 80.7
134	26.1 13.6 40.8



#91
1,2-Dichlorobenzene
Concen: 0.668 ug/l
RT: 13.927 min Scan# 2047
Delta R.T. 0.000 min
Lab File: VN073621.D
Acq: 28 Jul 2022 12:58

Tgt Ion: 146	Resp: 5205
Ion Ratio	Lower Upper
146	100
111	44.0 20.9 62.8
148	66.6 32.1 96.3





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.305 ug/l

RT: 14.545 min Scan# 2152

Delta R.T. 0.000 min

Lab File: VN073621.D

Acq: 28 Jul 2022 12:58

Instrument :

MSVOA_N

ClientSampleId :

IBLK

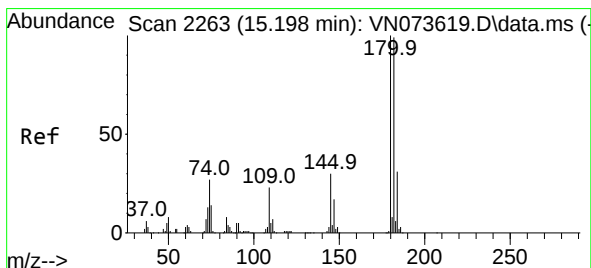
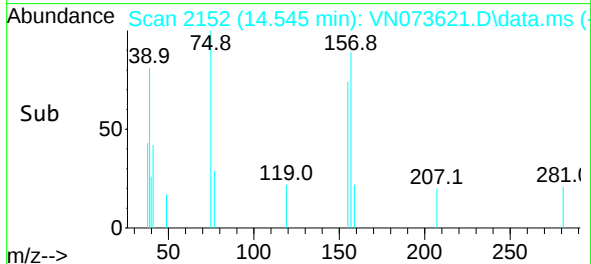
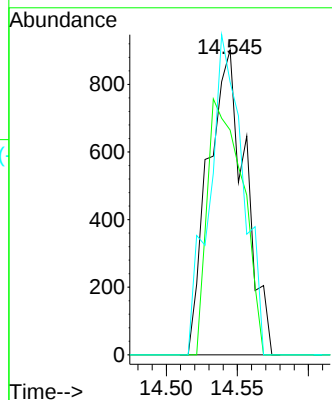
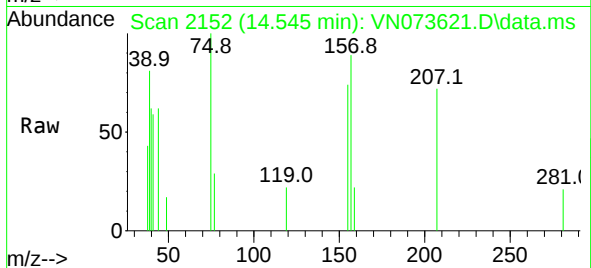
Tgt Ion: 75 Resp: 1636

Ion Ratio Lower Upper

75 100

155 80.2 44.9 134.5

157 95.2 59.0 176.8



#93

1,2,4-Trichlorobenzene

Concen: 2.814 ug/l

RT: 15.198 min Scan# 2263

Delta R.T. 0.000 min

Lab File: VN073621.D

Acq: 28 Jul 2022 12:58

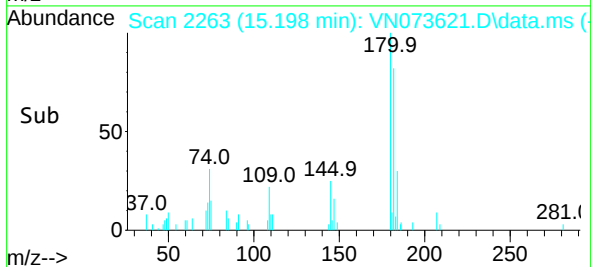
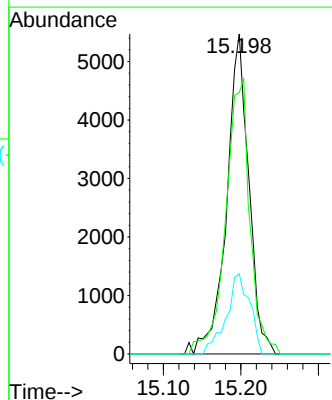
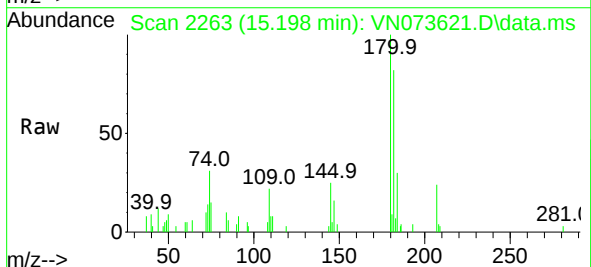
Tgt Ion: 180 Resp: 10882

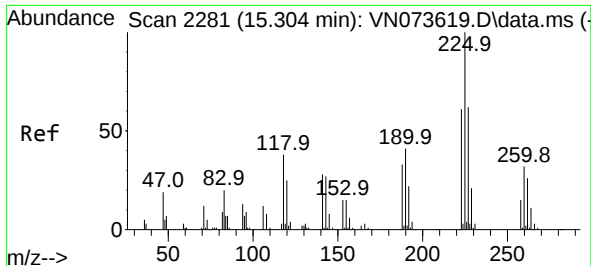
Ion Ratio Lower Upper

180 100

182 93.6 47.5 142.5

145 26.5 14.5 43.5

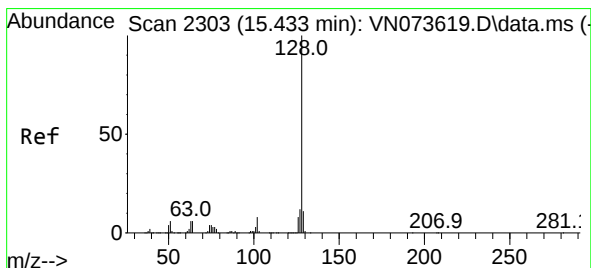
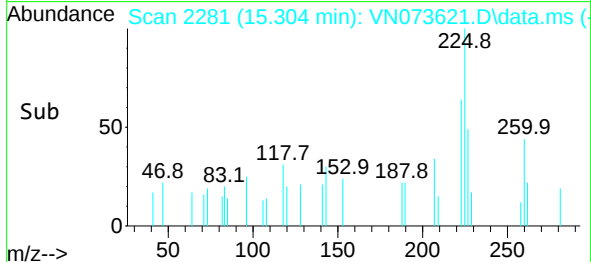
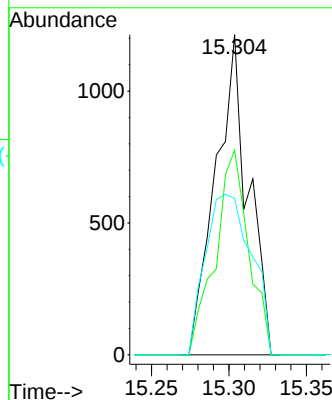
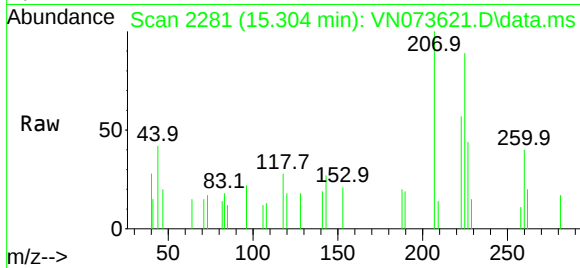




#94
Hexachlorobutadiene
Concen: 0.845 ug/l
RT: 15.304 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN073621.D
Acq: 28 Jul 2022 12:58

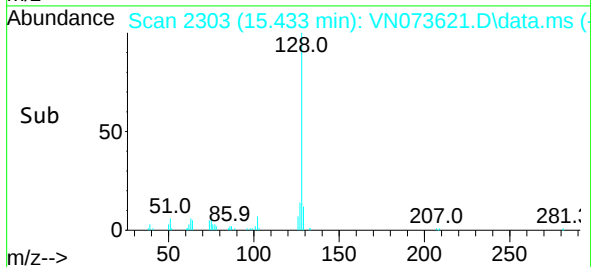
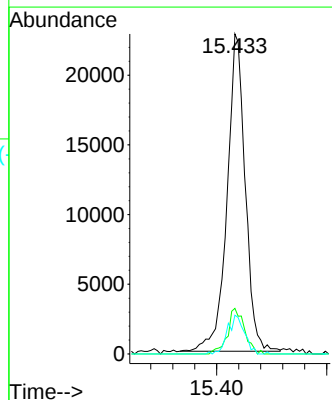
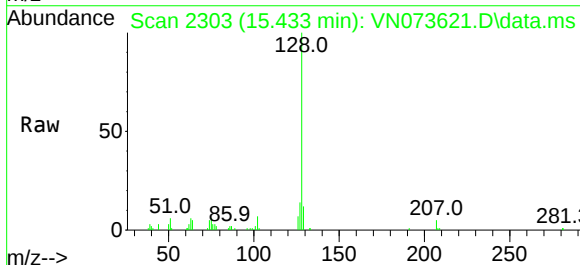
Instrument :
MSVOA_N
ClientSampleId :
IBLK

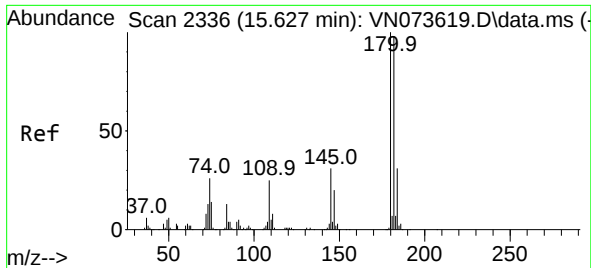
Tgt Ion:225 Resp: 1776
Ion Ratio Lower Upper
225 100
223 65.1 32.4 97.2
227 71.0 31.8 95.4



#95
Naphthalene
Concen: 4.164 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN073621.D
Acq: 28 Jul 2022 12:58

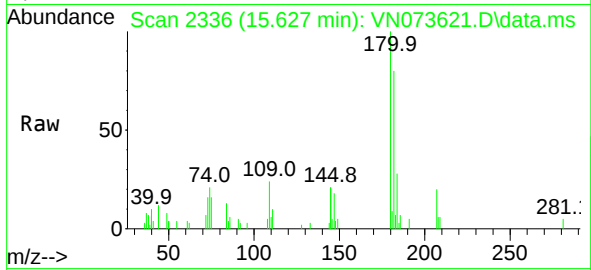
Tgt Ion:128 Resp: 52245
Ion Ratio Lower Upper
128 100
127 13.4 10.3 15.5
129 11.3 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 3.298 ug/l
 RT: 15.627 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN073621.D
 Acq: 28 Jul 2022 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK



Tgt Ion:	180	Resp:	13420
Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.8	143.3
145	32.5	15.5	46.5

