

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052622\
 Data File : VN072634.D
 Acq On : 26 May 2022 16:20
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: May 27 05:32:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N052622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 27 05:07:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.657	128	21137	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.969	114	114973	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.745	117	130000	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	72849	36.018	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	120.067%#	
60) 4-Bromofluorobenzene	12.727	95	63804	27.947	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	93.167%	
63) Toluene-d8	10.439	98	174236	23.572	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	78.567%#	
Target Compounds						
					Qvalue	
3) Chloromethane	2.304	50	1529	0.789	ug/l	# 82
4) Vinyl Chloride	2.446	62	458	0.283	ug/l	100
5) Bromomethane	2.869	94	993	1.261	ug/l	91
6) Chloroethane	3.063	64	394	0.389	ug/l	90
11) Methyl Iodide	4.416	142	295	0.242	ug/l	# 37
12) Methyl Acetate	4.845	43	543	0.217	ug/l	# 49
13) Acrolein	4.051	56	453	1.583	ug/l	# 54
14) Acrylonitrile	5.539	53	388	0.361	ug/l	# 23
15) Acetone	4.287	58	176	0.635	ug/l	# 1
16) Carbon Disulfide	4.522	76	2270	0.650	ug/l	# 73
18) Methylene Chloride	5.087	84	1056	0.631	ug/l	# 84
19) trans-1,2-Dichloroethene	5.592	96	422	0.303	ug/l	# 23
30) 2-Butanone	7.333	43	1259	0.860	ug/l	# 71
37) Trichloroethene	9.216	130	605	0.372	ug/l	# 64
38) Methylcyclohexane	9.463	83	555	0.207	ug/l	# 72
47) n-amyl Acetate	12.392	43	3879	1.217	ug/l	94
54) 1,2-Dibromoethane	11.333	107	410	0.235	ug/l	# 54
55) 2-Chloroethyl vinyl ether	10.039	63	515	0.411	ug/l	# 44
56) Bromoform	12.457	173	283	0.224	ug/l	# 29
58) 4-Methyl-2-Pentanone	10.327	43	2644	0.704	ug/l	# 90
59) 2-Hexanone	11.086	43	6006	2.243	ug/l	91
61) Tetrachloroethene	10.980	164	760	0.442	ug/l	# 53
64) Chlorobenzene	11.763	112	2101	0.396	ug/l	95
66) Ethyl Benzene	11.839	91	2868	0.285	ug/l	99
67) m/p-Xylenes	11.945	106	2641	0.722	ug/l	88
68) o-Xylene	12.280	106	780	0.214	ug/l	79
69) Styrene	12.286	104	2007	0.348	ug/l	# 53
71) 1,1,2,2-Tetrachloroethane	12.821	83	1292	0.405	ug/l	# 81
72) 1,2,3-Trichloropropane	12.874	75	2037	0.756	ug/l	52
73) Bromobenzene	12.857	156	1304	0.638	ug/l	73
74) n-propylbenzene	12.921	91	4216	0.401	ug/l	94
75) 2-Chlorotoluene	13.004	91	3223	0.505	ug/l	92
76) 1,3,5-Trimethylbenzene	13.051	105	2349	0.320	ug/l	93
77) t-1,4-Dichloro-2-butene	12.727	75	32649	31.007	ug/l	# 8
78) 4-Chlorotoluene	13.098	91	4418	0.761	ug/l	84
79) tert-butylbenzene	13.615	119	2678	0.417	ug/l	61
80) 1,2,4-Trimethylbenzene	13.362	105	2717	0.384	ug/l	# 88
81) sec-Butylbenzene	13.498	105	3228	0.347	ug/l	98
82) p-Isopropyltoluene	13.615	119	2678	0.372	ug/l	98

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

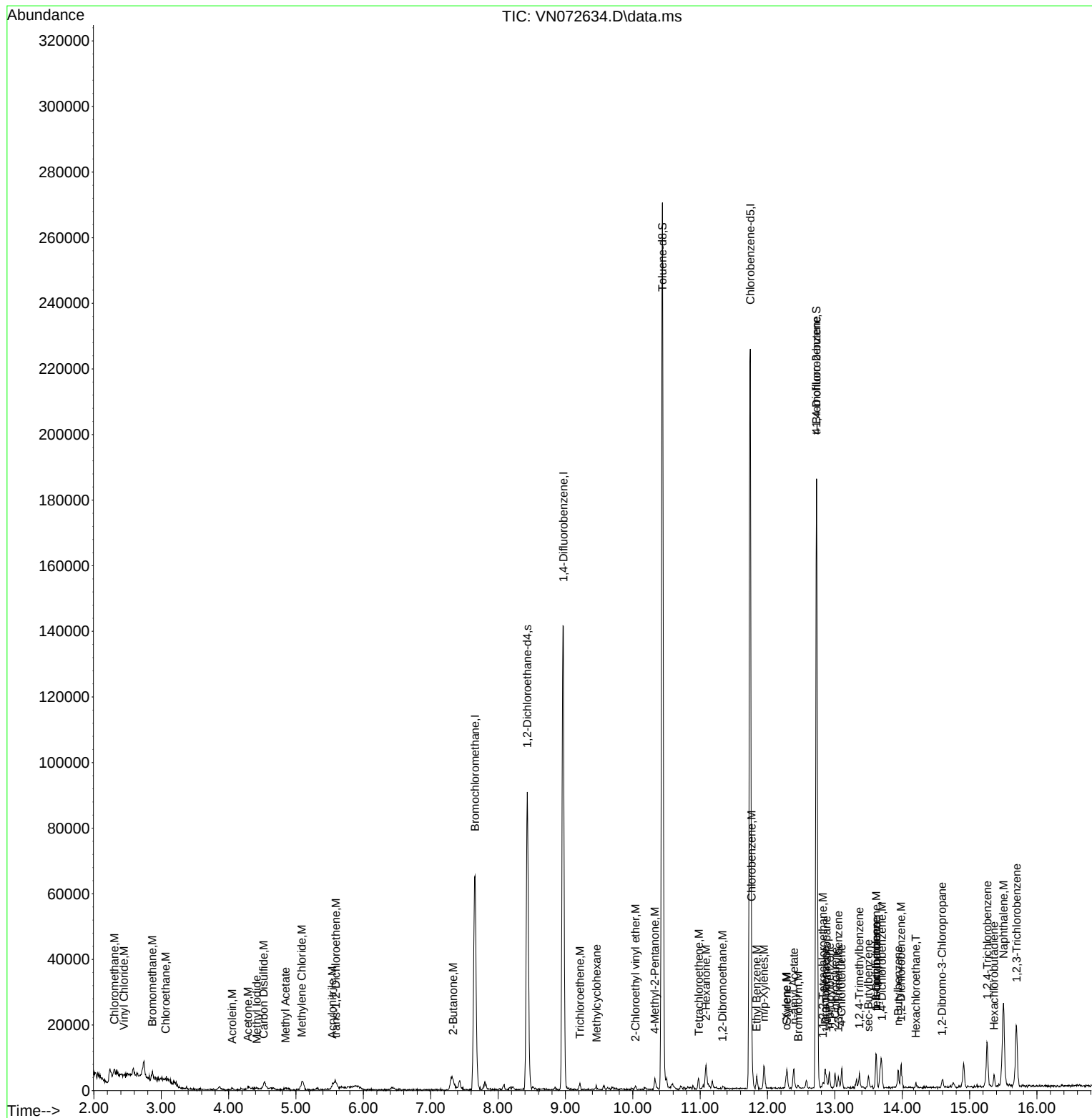
83) 1,3-Dichlorobenzene	13.615	146	3883	1.095	ug/l	95
84) 1,4-Dichlorobenzene	13.698	146	4549	1.320	ug/l	97
85) n-Butylbenzene	13.939	91	3913	0.661	ug/l	94
86) Hexachloroethane	14.204	117	358	0.250	ug/l	80
87) 1,2-Dichlorobenzene	13.980	146	3555	1.015	ug/l	86
88) 1,2-Dibromo-3-Chloropr...	14.592	75	702	1.132	ug/l #	77
89) 1,2,4-Trichlorobenzene	15.262	180	6032	3.491	ug/l	95
90) Hexachlorobutadiene	15.362	225	693	0.800	ug/l	49
91) Naphthalene	15.504	128	30430	5.018	ug/l	99
92) 1,2,3-Trichlorobenzene	15.698	180	8505	4.821	ug/l	99

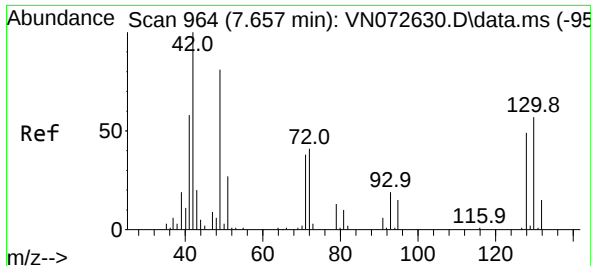
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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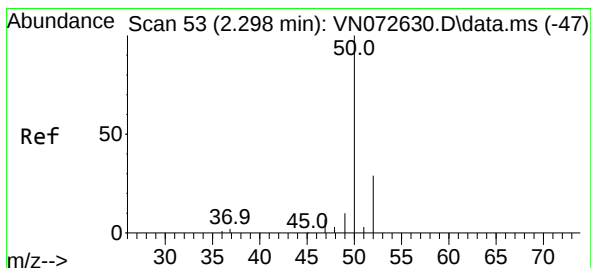
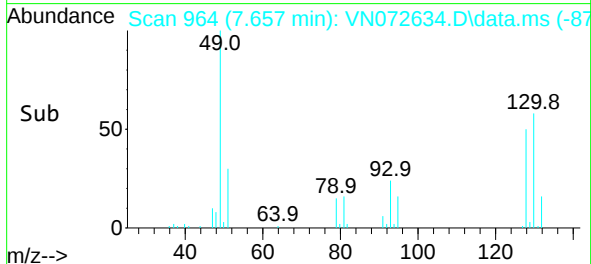
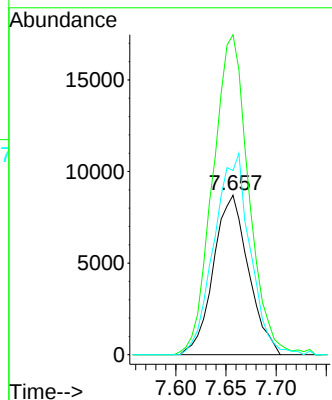
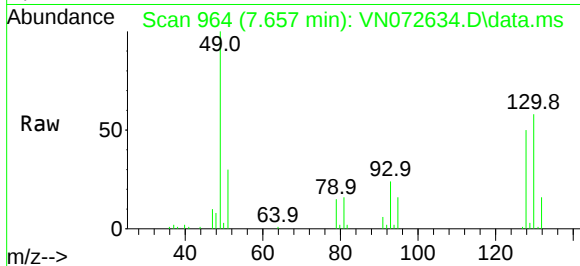




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN072634.D
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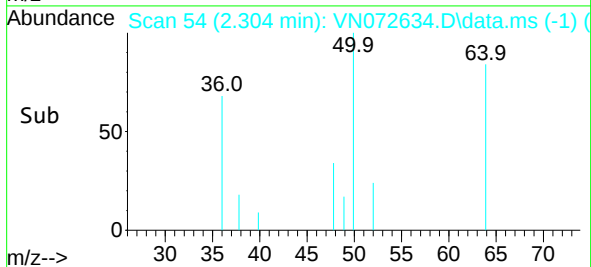
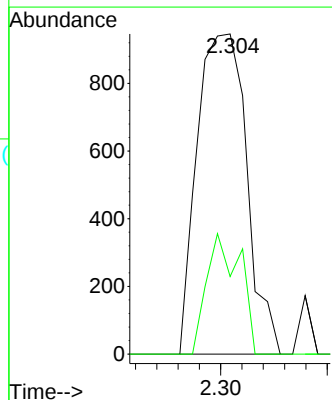
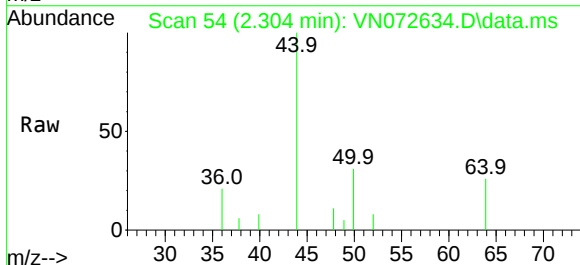
Instrument :
MSVOA_N
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IBLK

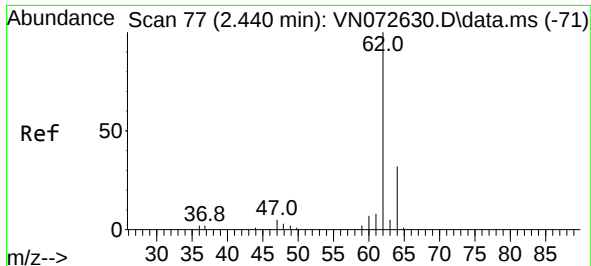
Tgt Ion:128 Resp: 21137
Ion Ratio Lower Upper
128 100
49 205.7 0.0 392.3
130 129.6 0.0 320.2



#3
Chloromethane
Concen: 0.789 ug/l
RT: 2.304 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN072634.D
Acq: 26 May 2022 16:20

Tgt Ion: 50 Resp: 1529
Ion Ratio Lower Upper
50 100
52 24.2 27.8 41.6#

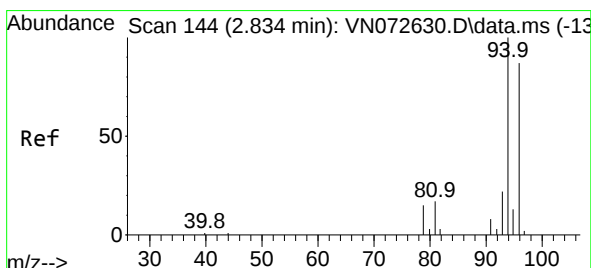
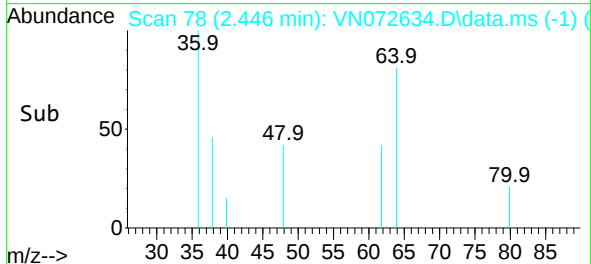
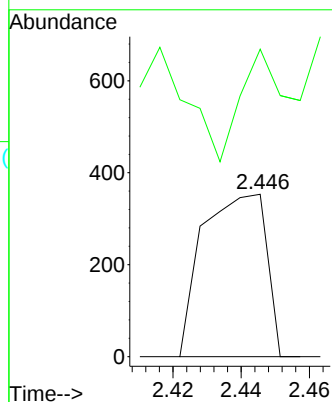
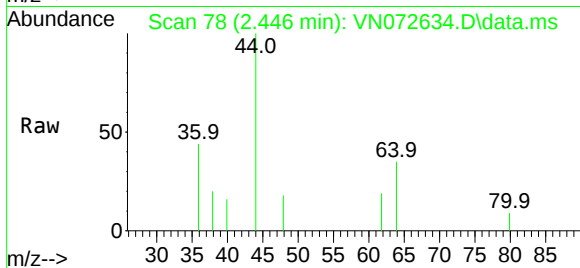




#4
 Vinyl Chloride
 Concen: 0.283 ug/l
 RT: 2.446 min Scan# 71
 Delta R.T. 0.006 min
 Lab File: VN072634.D
 Acq: 26 May 2022 16:20

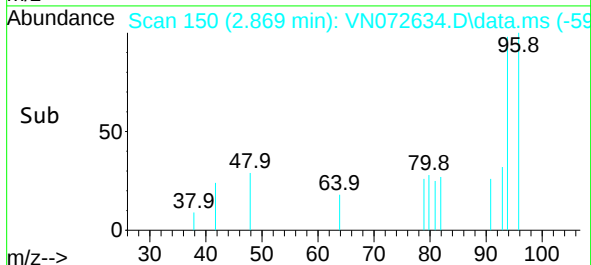
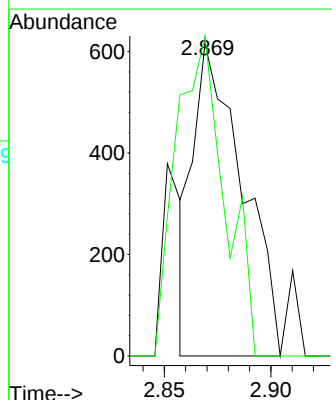
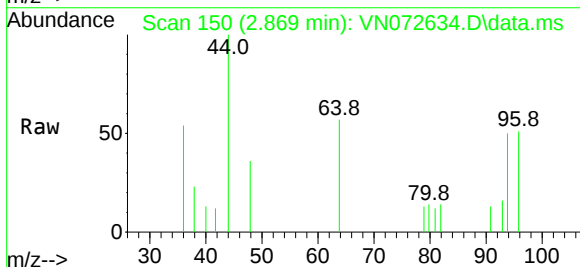
Instrument :
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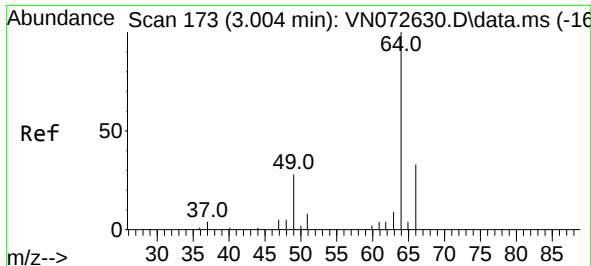
Tgt Ion: 62 Resp: 458
 Ion Ratio Lower Upper
 62 100
 64 31.2 25.1 37.7



#5
 Bromomethane
 Concen: 1.261 ug/l
 RT: 2.869 min Scan# 150
 Delta R.T. 0.035 min
 Lab File: VN072634.D
 Acq: 26 May 2022 16:20

Tgt Ion: 94 Resp: 993
 Ion Ratio Lower Upper
 94 100
 96 102.4 75.2 112.8

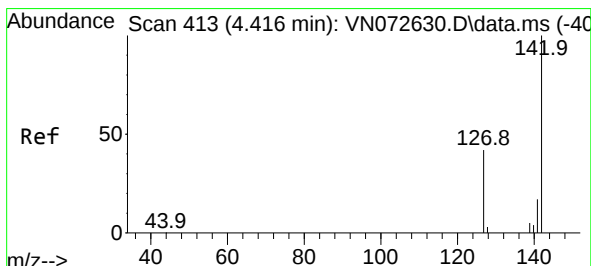
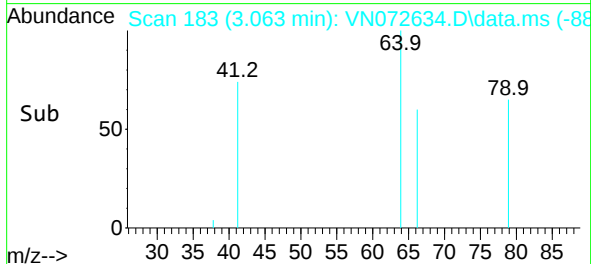
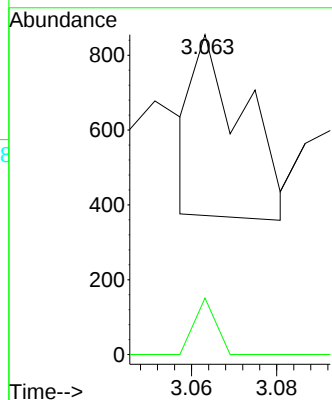
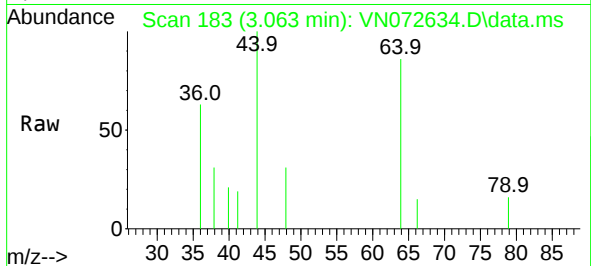




#6
Chloroethane
Concen: 0.389 ug/l
RT: 3.063 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN072634.D
Acq: 26 May 2022 16:20

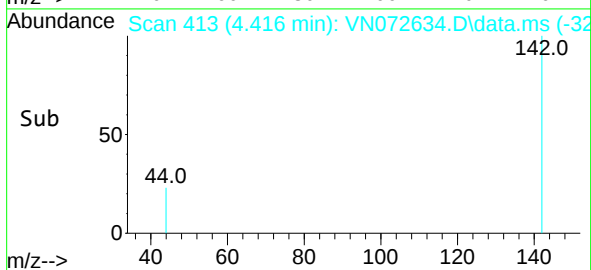
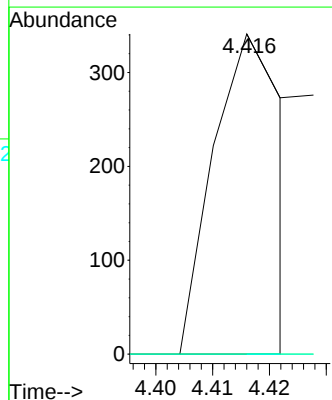
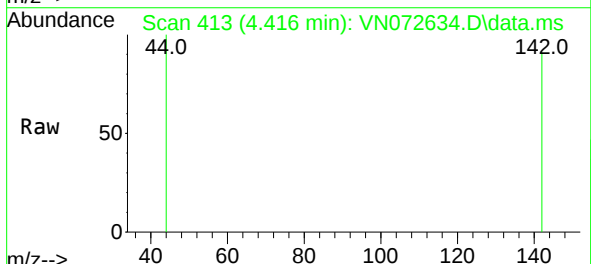
Instrument :
MSVOA_N
ClientSampleId :
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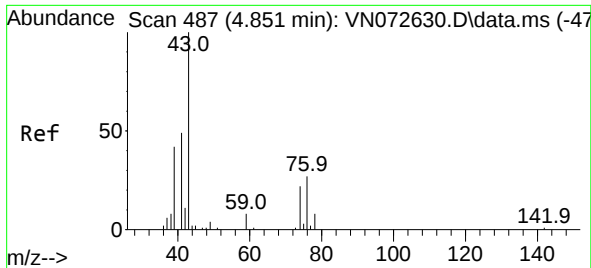
Tgt Ion: 64 Resp: 394
Ion Ratio Lower Upper
64 100
66 36.0 24.6 36.8



#11
Methyl Iodide
Concen: 0.242 ug/l
RT: 4.416 min Scan# 413
Delta R.T. 0.000 min
Lab File: VN072634.D
Acq: 26 May 2022 16:20

Tgt Ion: 142 Resp: 295
Ion Ratio Lower Upper
142 100
127 0.0 24.0 72.0#
141 0.0 8.4 25.2#

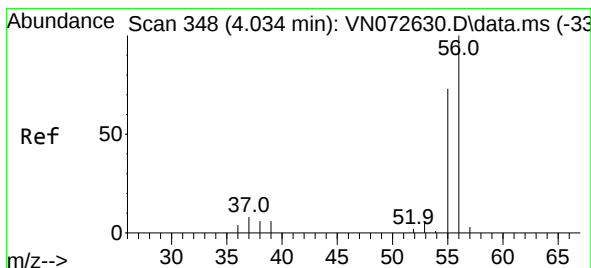
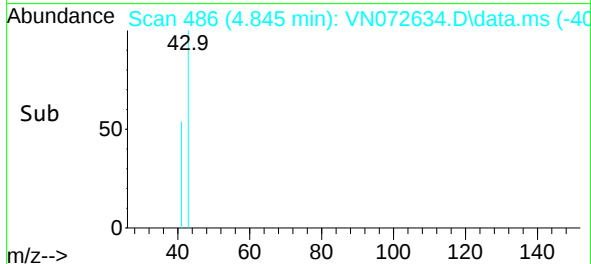
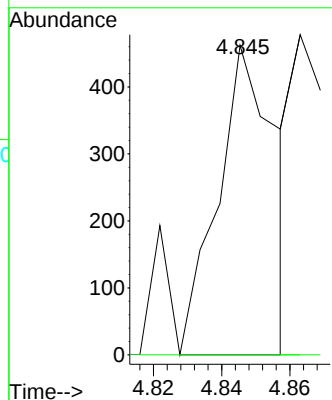
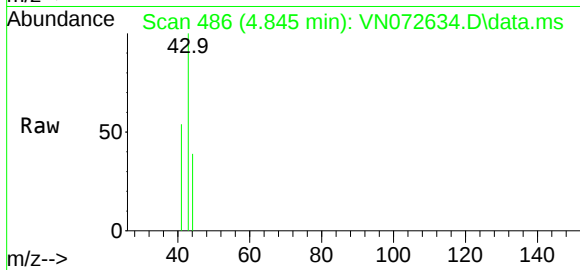




#12
Methyl Acetate
Concen: 0.217 ug/l
RT: 4.845 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN072634.D
Acq: 26 May 2022 16:20

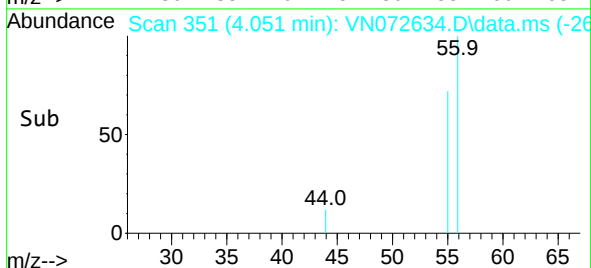
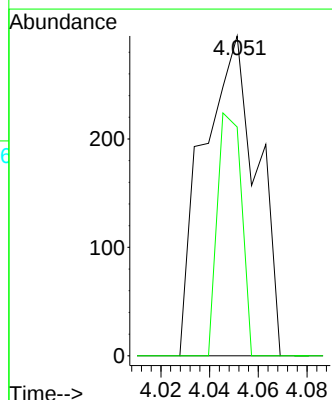
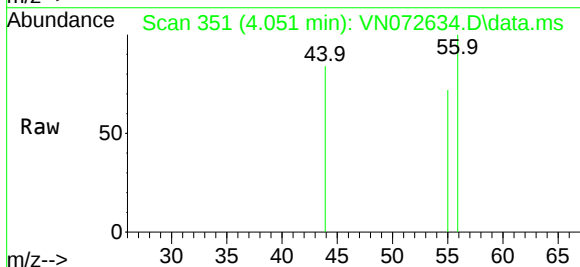
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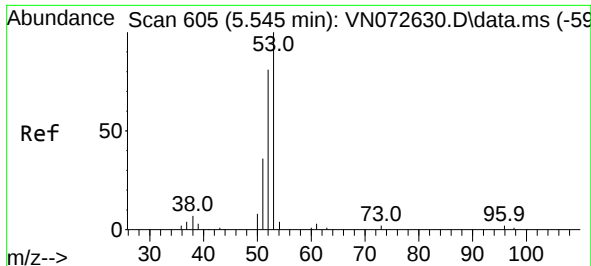
Tgt Ion: 43 Resp: 543
Ion Ratio Lower Upper
43 100
74 0.0 20.8 31.2#



#13
Acrolein
Concen: 1.583 ug/l
RT: 4.051 min Scan# 351
Delta R.T. 0.018 min
Lab File: VN072634.D
Acq: 26 May 2022 16:20

Tgt Ion: 56 Resp: 453
Ion Ratio Lower Upper
56 100
55 34.0 57.6 86.4#





#14

Acrylonitrile

Concen: 0.361 ug/l

RT: 5.539 min Scan# 605

Delta R.T. -0.006 min

Lab File: VN072634.D

Acq: 26 May 2022 16:20

Instrument :

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ClientSampleId :

IBLK

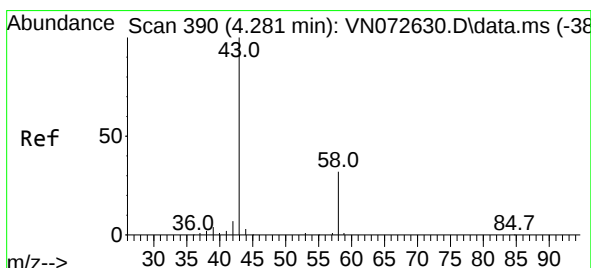
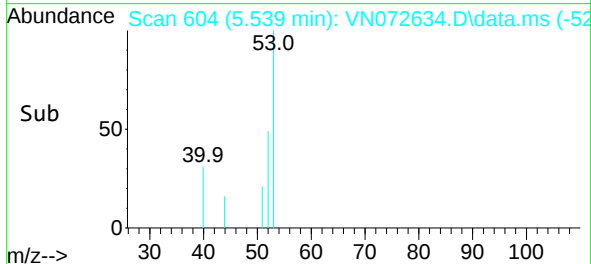
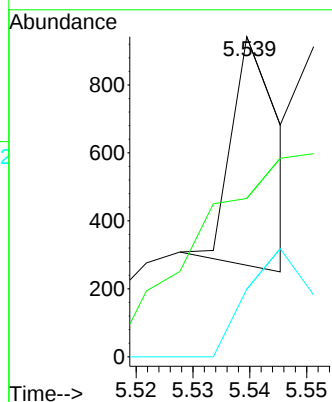
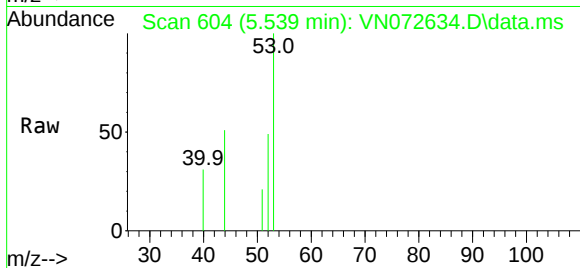
Tgt Ion: 53 Resp: 388

Ion Ratio Lower Upper

53 100

52 0.0 41.8 125.4#

51 63.7 19.0 57.0#



#15

Acetone

Concen: 0.635 ug/l

RT: 4.287 min Scan# 391

Delta R.T. 0.006 min

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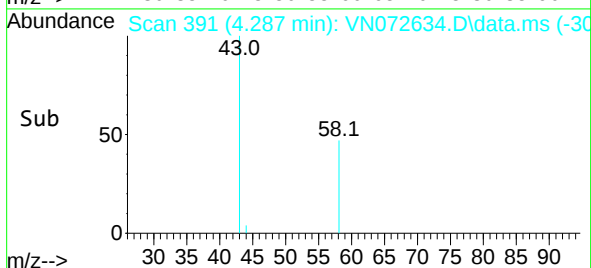
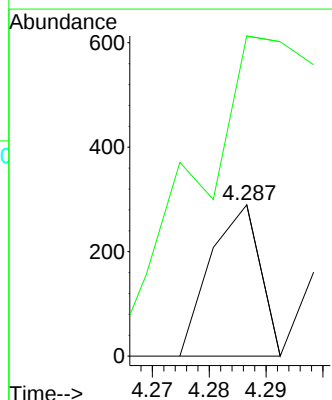
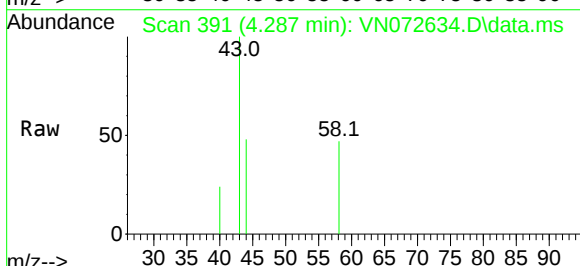
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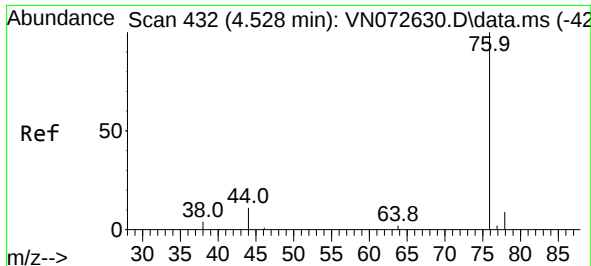
Tgt Ion: 58 Resp: 176

Ion Ratio Lower Upper

58 100

43 83.4 256.6 384.8#

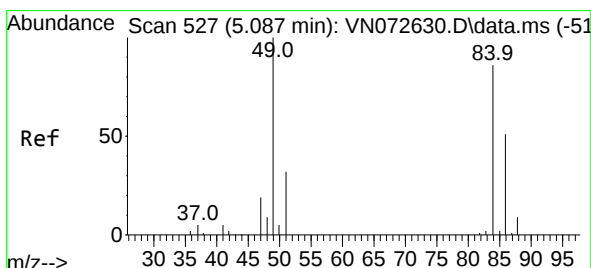
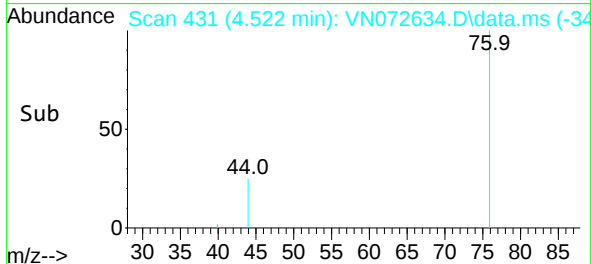
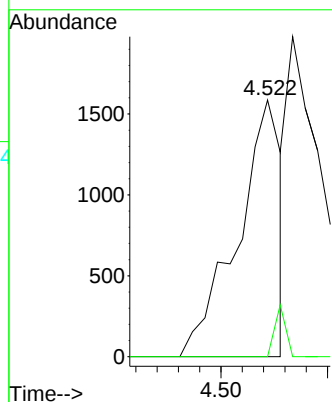
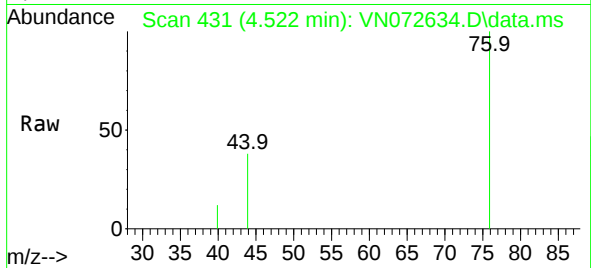




#16
Carbon Disulfide
Concen: 0.650 ug/l
RT: 4.522 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN072634.D
Acq: 26 May 2022 16:20

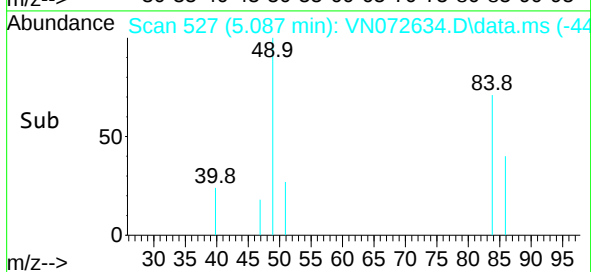
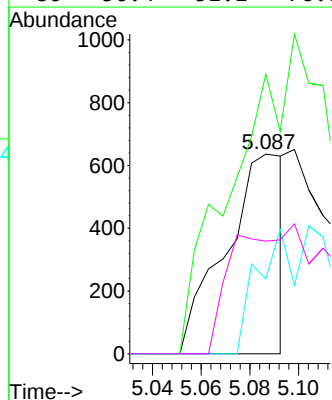
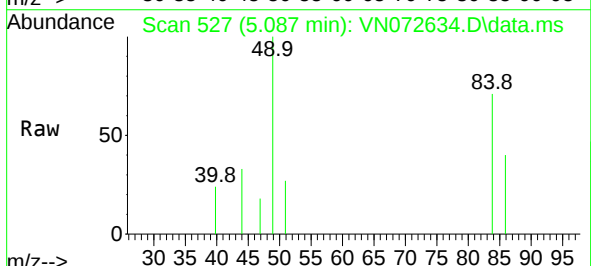
Instrument :
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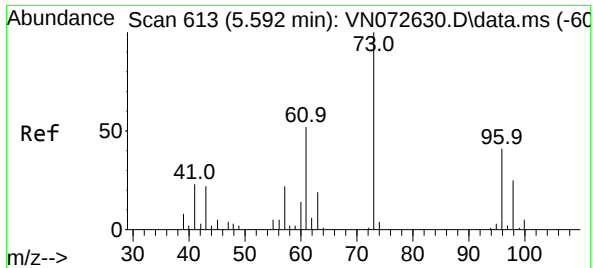
Tgt Ion: 76 Resp: 2270
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.8#



#18
Methylene Chloride
Concen: 0.631 ug/l
RT: 5.087 min Scan# 527
Delta R.T. 0.000 min
Lab File: VN072634.D
Acq: 26 May 2022 16:20

Tgt Ion: 84 Resp: 1056
Ion Ratio Lower Upper
84 100
49 140.1 91.4 137.0#
51 37.4 29.4 44.0
86 56.4 51.1 76.7

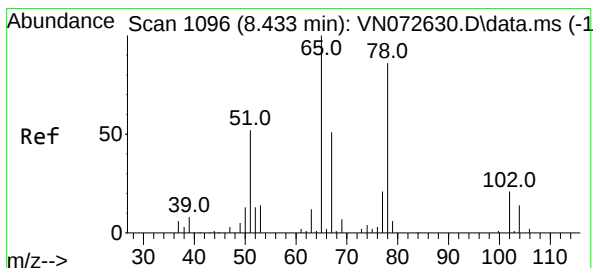
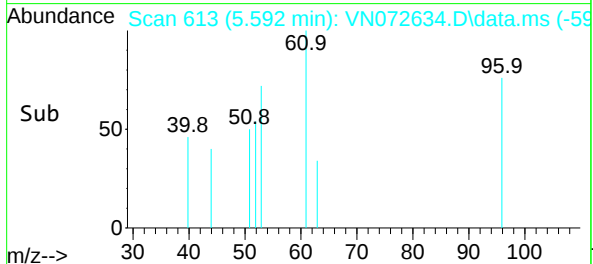
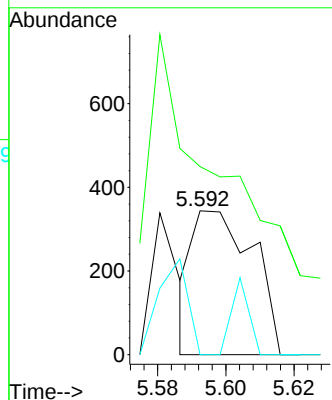
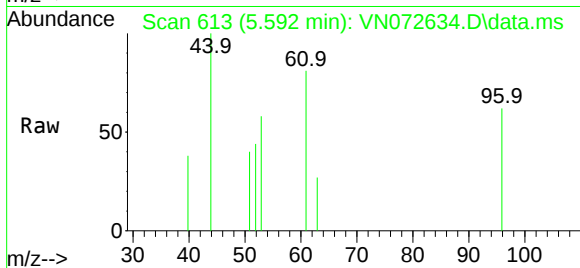




#19
trans-1,2-Dichloroethene
Concen: 0.303 ug/l
RT: 5.592 min Scan# 613
Delta R.T. 0.000 min
Lab File: VN072634.D
Acq: 26 May 2022 16:20

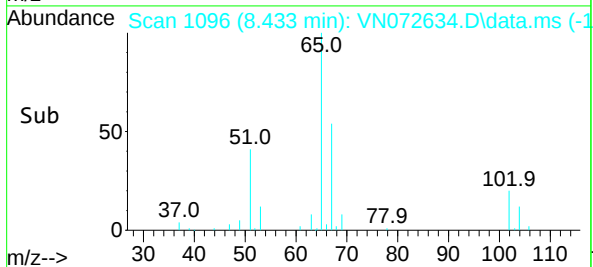
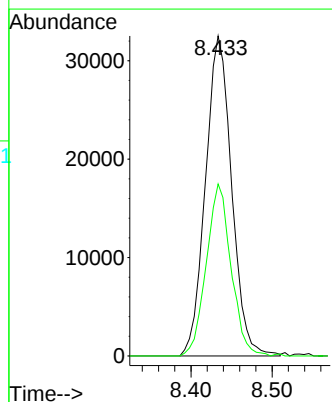
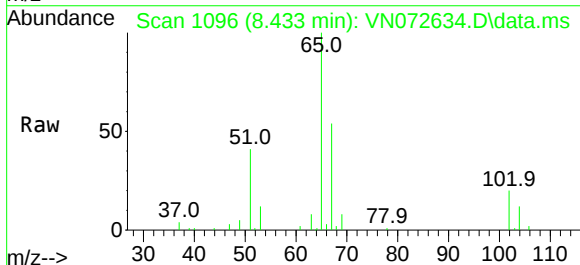
Instrument :
MSVOA_N
ClientSampleId :
IBLK

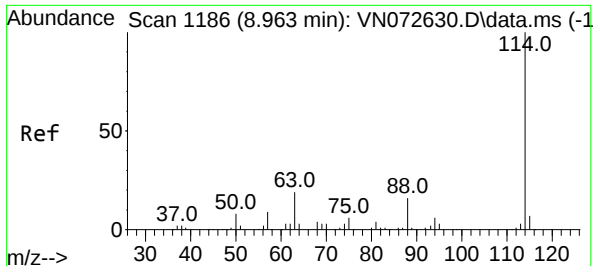
Tgt Ion: 96 Resp: 422
Ion Ratio Lower Upper
96 100
61 41.3 102.8 154.2#
98 0.0 49.3 73.9#



#27
1,2-Dichloroethane-d4
Concen: 36.018 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. 0.000 min
Lab File: VN072634.D
Acq: 26 May 2022 16:20

Tgt Ion: 65 Resp: 72849
Ion Ratio Lower Upper
65 100
67 50.7 40.2 60.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.969 min Scan# 1186

Delta R.T. 0.006 min

Lab File: VN072634.D

Acq: 26 May 2022 16:20

Instrument :

MSVOA_N

ClientSampleId :

IBLK

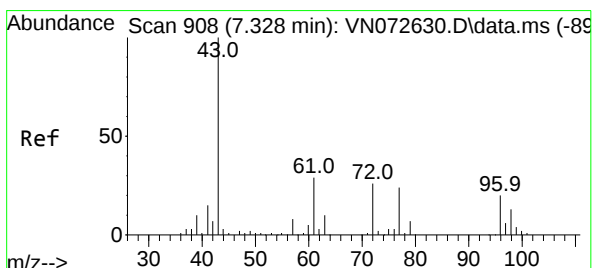
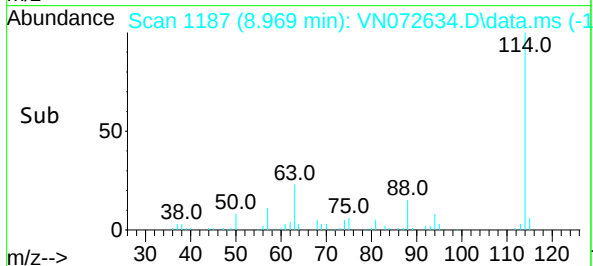
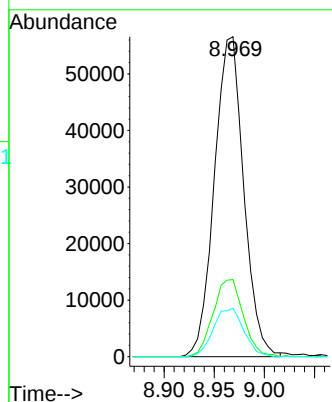
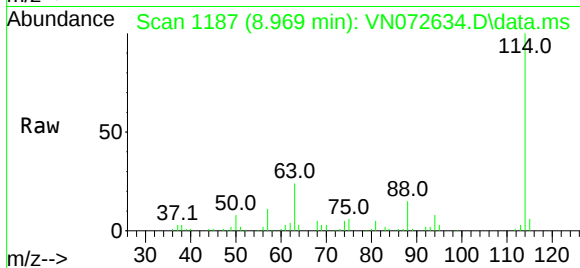
Tgt Ion:114 Resp: 114973

Ion Ratio Lower Upper

114 100

63 24.8 15.8 23.6#

88 15.7 11.6 17.4



#30

2-Butanone

Concen: 0.860 ug/l

RT: 7.333 min Scan# 909

Delta R.T. 0.006 min

Lab File: VN072634.D

Acq: 26 May 2022 16:20

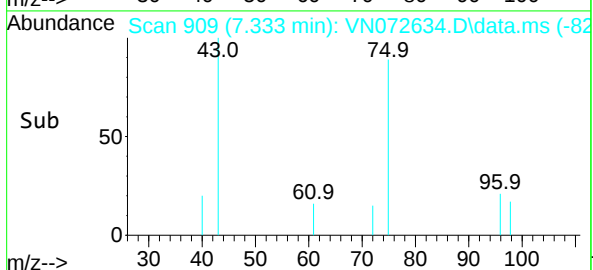
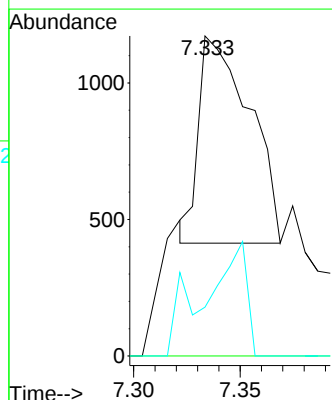
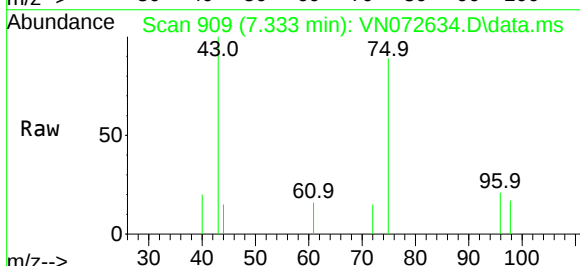
Tgt Ion: 43 Resp: 1259

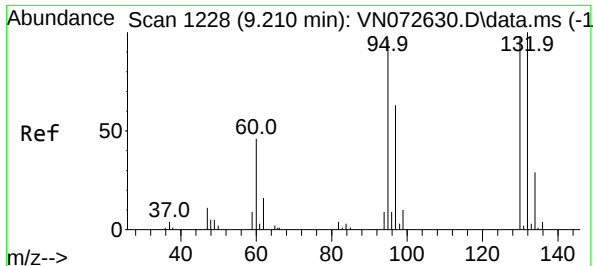
Ion Ratio Lower Upper

43 100

57 0.0 6.7 10.1#

72 12.8 23.2 34.8#





#37

Trichloroethene

Concen: 0.372 ug/l

RT: 9.216 min Scan# 1228

Delta R.T. 0.006 min

Lab File: VN072634.D

Acq: 26 May 2022 16:20

Instrument :

MSVOA_N

ClientSampleId :

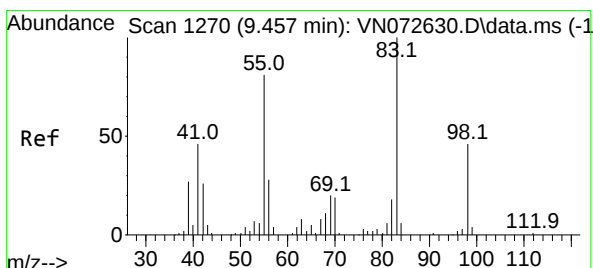
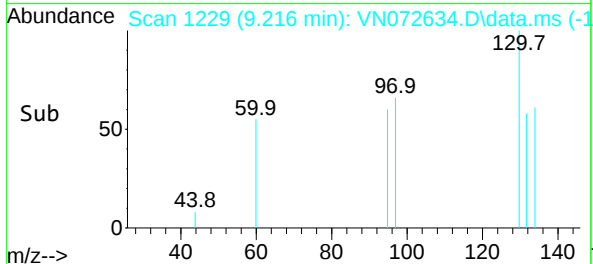
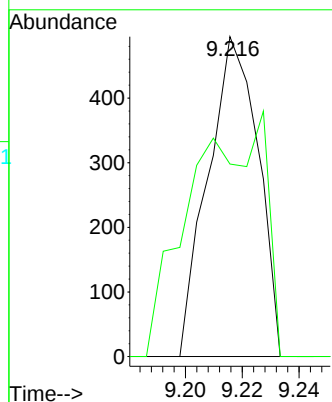
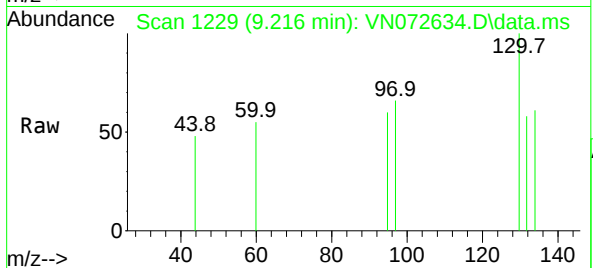
IBLK

Tgt Ion:130 Resp: 605

Ion Ratio Lower Upper

130 100

95 60.2 76.6 115.0#



#38

Methylcyclohexane

Concen: 0.207 ug/l

RT: 9.463 min Scan# 1271

Delta R.T. 0.006 min

Lab File: VN072634.D

Acq: 26 May 2022 16:20

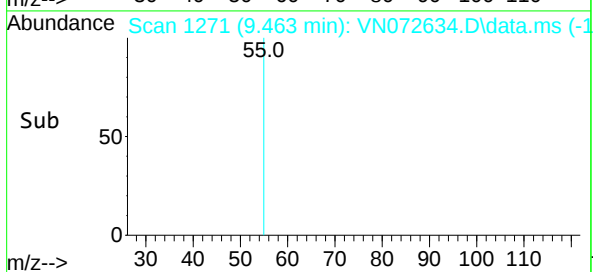
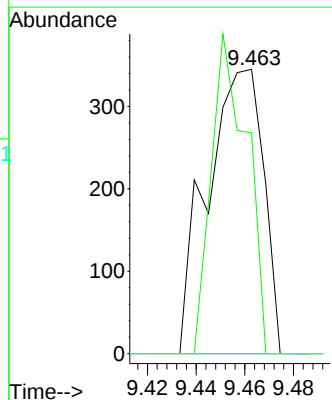
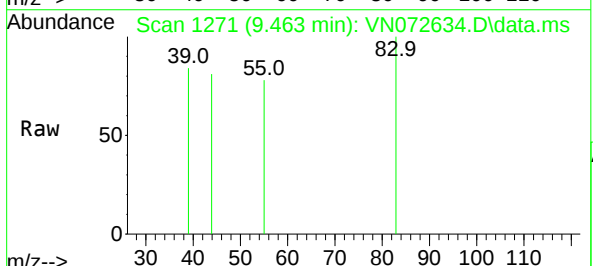
Tgt Ion: 83 Resp: 555

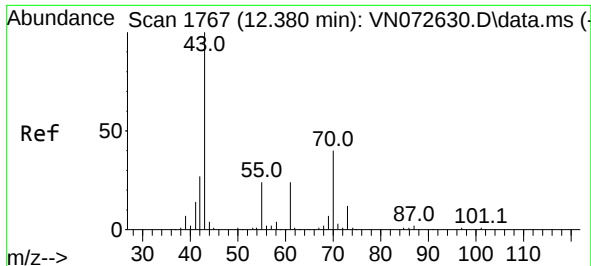
Ion Ratio Lower Upper

83 100

55 70.6 35.1 105.3

98 0.0 23.4 70.2#





#47

n-amy1 Acetate

Concen: 1.217 ug/l

RT: 12.392 min Scan# 1

Delta R.T. 0.012 min

Lab File: VN072634.D

Acq: 26 May 2022 16:20

Instrument :

MSVOA_N

ClientSampleId :

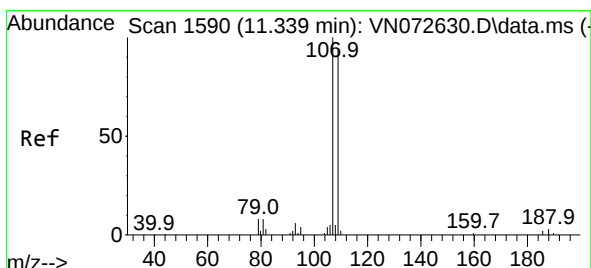
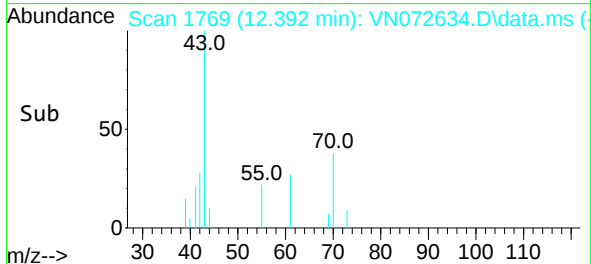
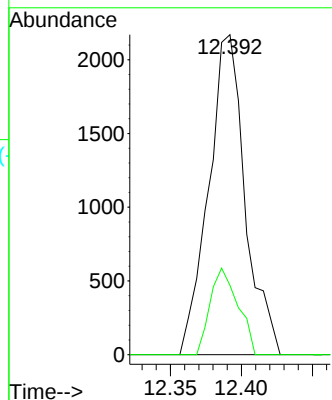
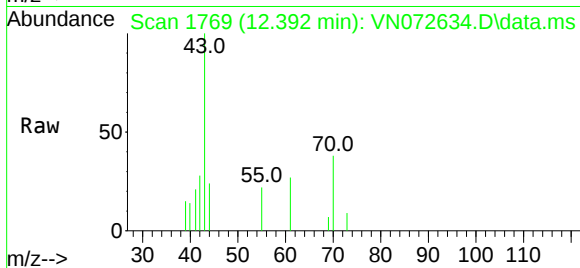
IBLK

Tgt Ion: 43 Resp: 3879

Ion Ratio Lower Upper

43 100

55 20.6 19.0 28.6



#54

1,2-Dibromoethane

Concen: 0.235 ug/l

RT: 11.333 min Scan# 1589

Delta R.T. -0.006 min

Lab File: VN072634.D

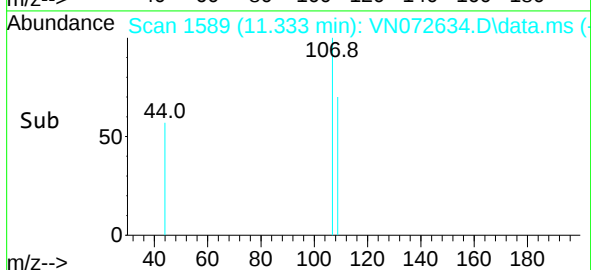
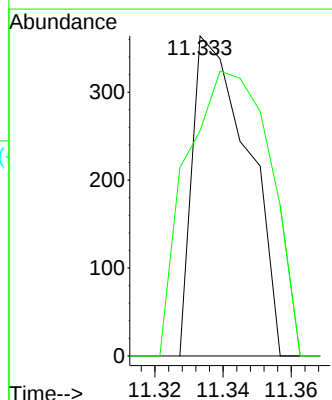
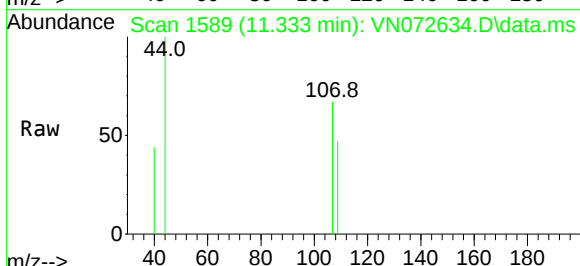
Acq: 26 May 2022 16:20

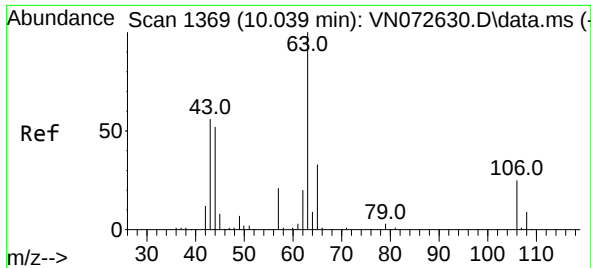
Tgt Ion:107 Resp: 410

Ion Ratio Lower Upper

107 100

109 134.1 72.8 109.2#

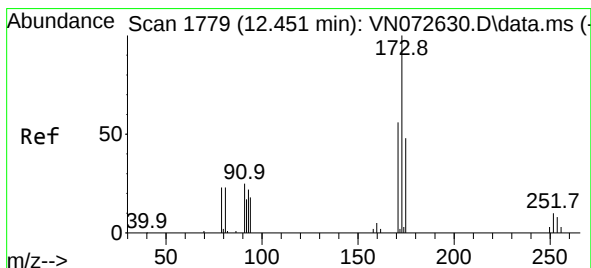
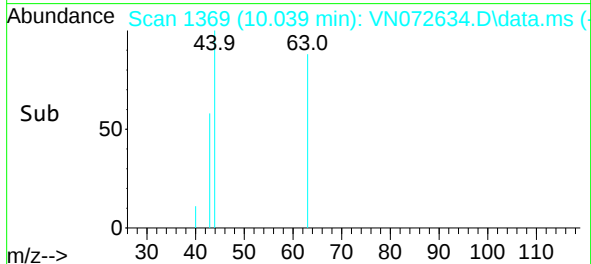
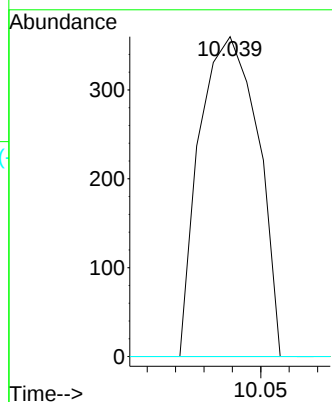
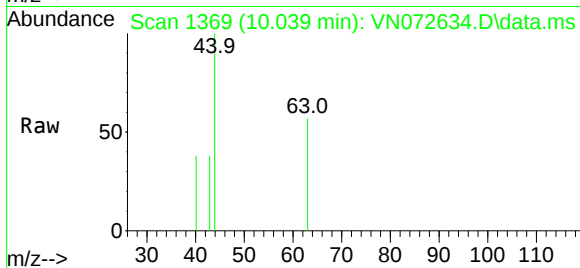




#55
2-Chloroethyl vinyl ether
Concen: 0.411 ug/l
RT: 10.039 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN072634.D
Acq: 26 May 2022 16:20

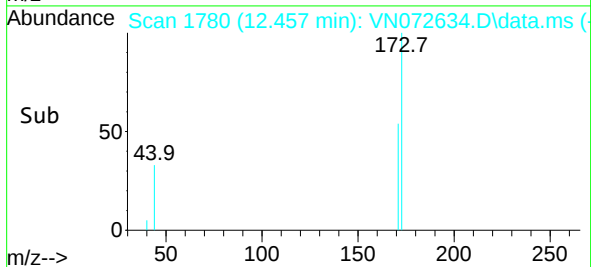
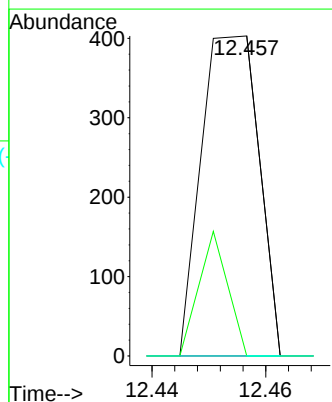
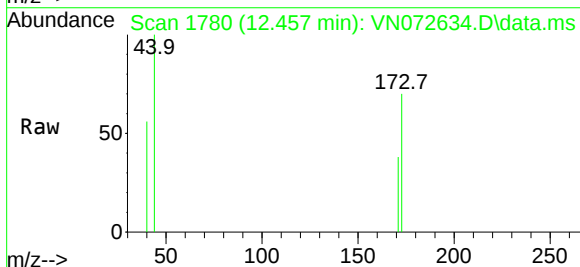
Instrument :
MSVOA_N
ClientSampleId :
IBLK

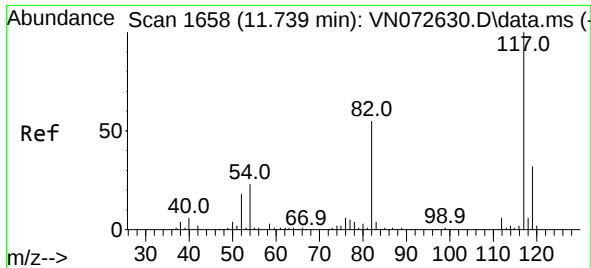
Tgt Ion: 63 Resp: 515
Ion Ratio Lower Upper
63 100
65 0.0 25.4 38.0#
106 0.0 23.2 34.8#



#56
Bromoform
Concen: 0.224 ug/l
RT: 12.457 min Scan# 1780
Delta R.T. 0.006 min
Lab File: VN072634.D
Acq: 26 May 2022 16:20

Tgt Ion: 173 Resp: 283
Ion Ratio Lower Upper
173 100
175 0.0 38.6 58.0#
254 0.0 0.0 0.0

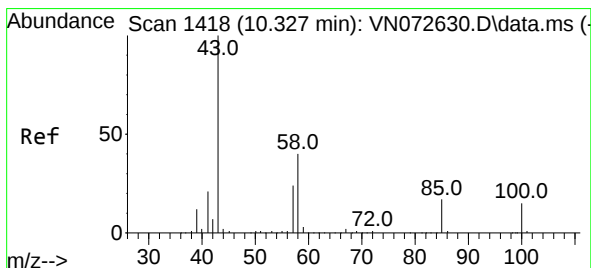
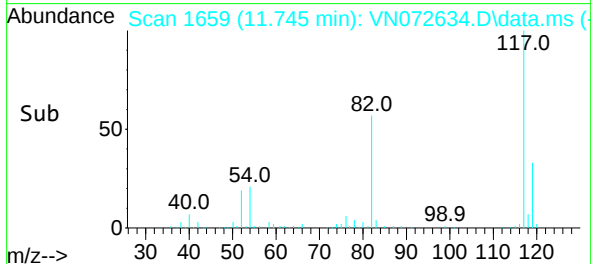
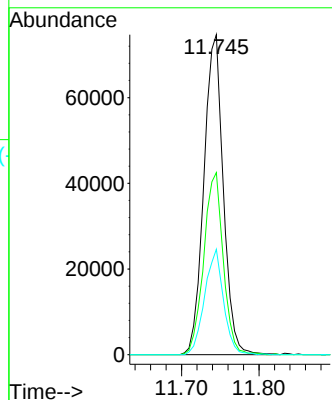
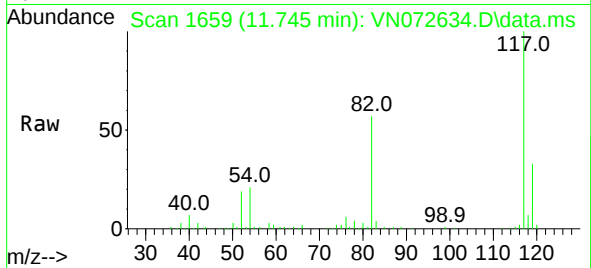




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.745 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN072634.D
Acq: 26 May 2022 16:20

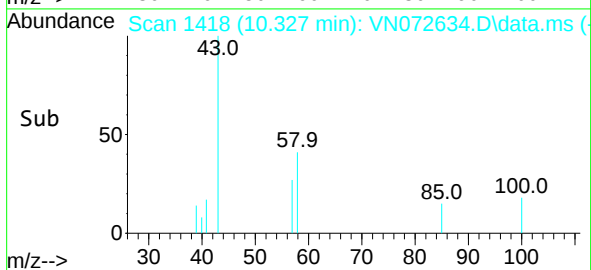
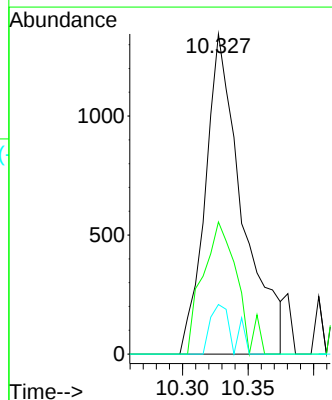
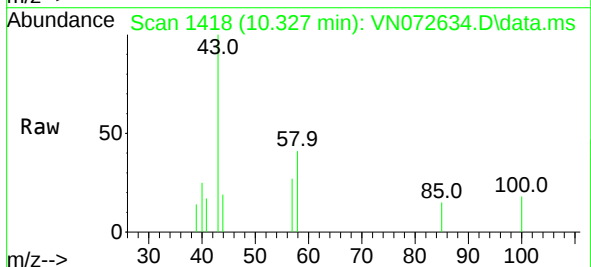
Instrument :
MSVOA_N
ClientSampleId :
IBLK

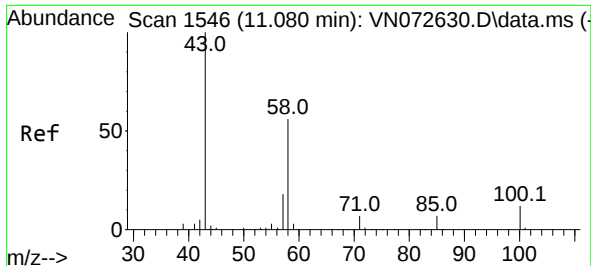
Tgt Ion:117 Resp: 130000
Ion Ratio Lower Upper
117 100
82 56.9 43.6 65.4
119 32.0 25.8 38.6



#58
4-Methyl-2-Pentanone
Concen: 0.704 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. 0.000 min
Lab File: VN072634.D
Acq: 26 May 2022 16:20

Tgt Ion: 43 Resp: 2644
Ion Ratio Lower Upper
43 100
58 36.0 30.0 45.0
85 7.4 15.0 22.6#





#59

2-Hexanone

Concen: 2.243 ug/l

RT: 11.086 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN072634.D

Acq: 26 May 2022 16:20

Instrument :

MSVOA_N

ClientSampleId :

IBLK

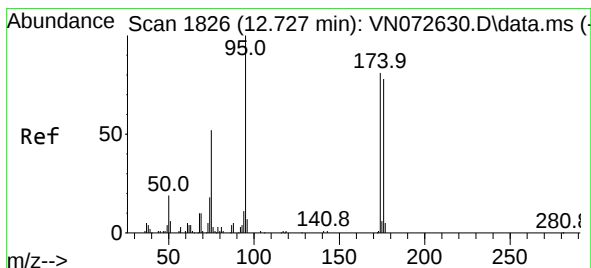
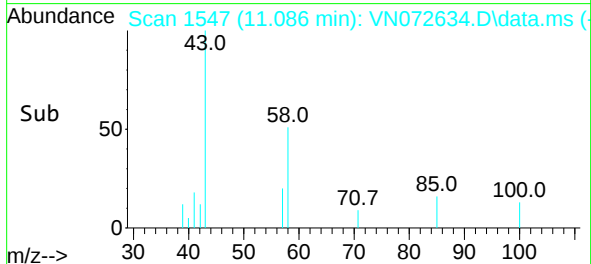
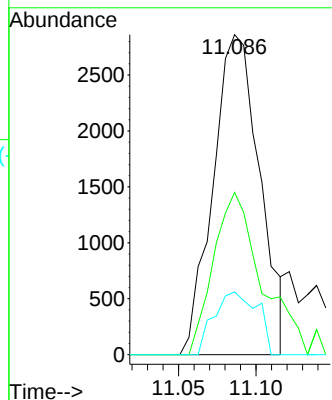
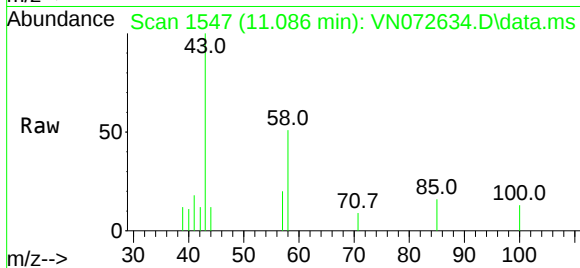
Tgt Ion: 43 Resp: 6006

Ion Ratio Lower Upper

43 100

58 45.6 42.2 63.2

57 15.5 15.0 22.4



#60

4-Bromofluorobenzene

Concen: 27.947 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. 0.000 min

Lab File: VN072634.D

Acq: 26 May 2022 16:20

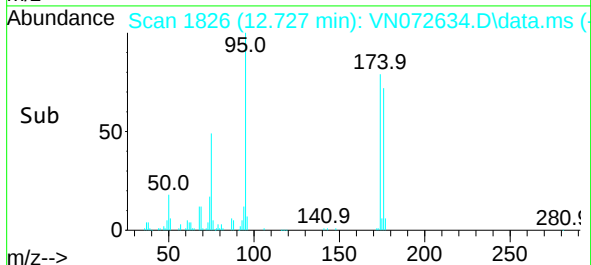
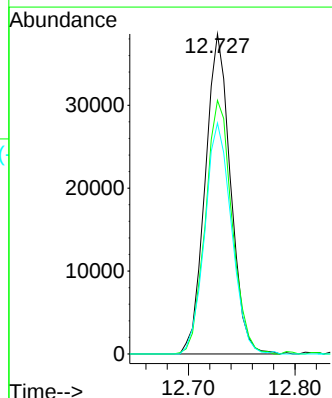
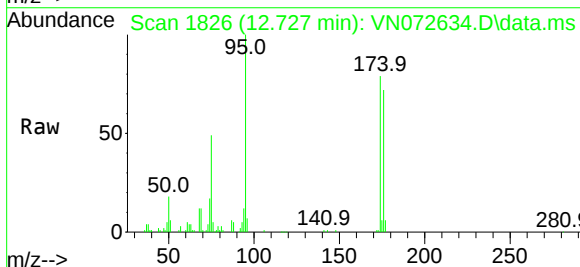
Tgt Ion: 95 Resp: 63804

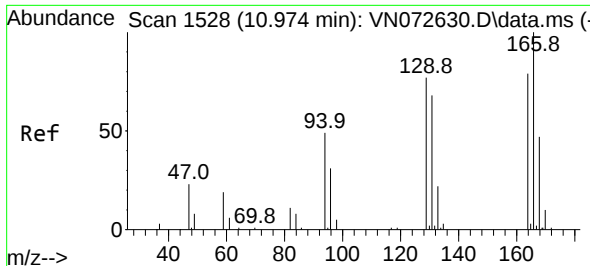
Ion Ratio Lower Upper

95 100

174 83.2 62.9 94.3

176 76.0 61.0 91.4

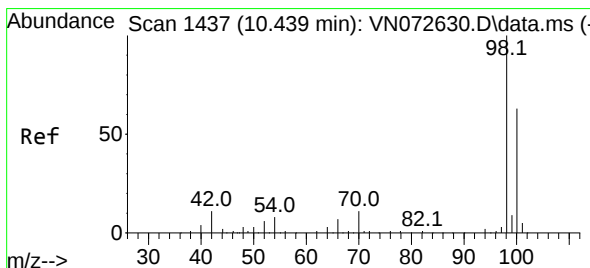
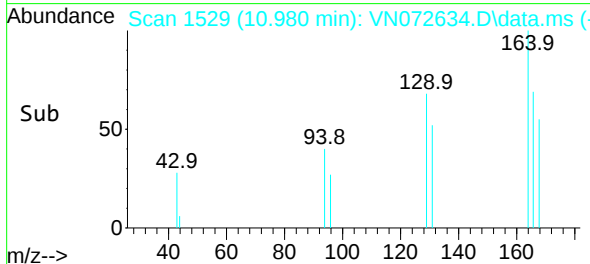
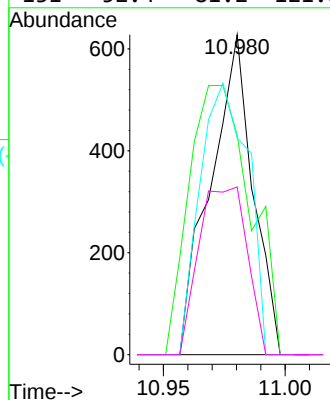
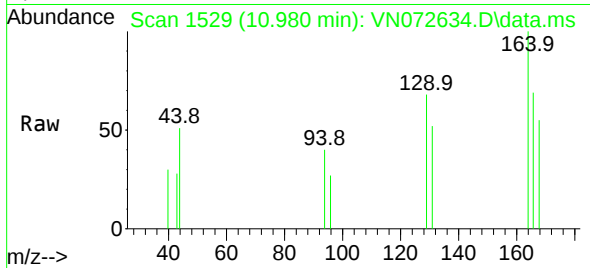




#61
Tetrachloroethene
Concen: 0.442 ug/l
RT: 10.980 min Scan# 1529
Delta R.T. 0.006 min
Lab File: VN072634.D
Acq: 26 May 2022 16:20

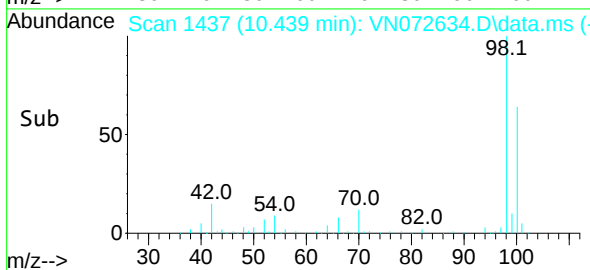
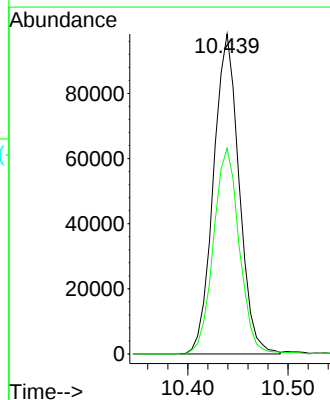
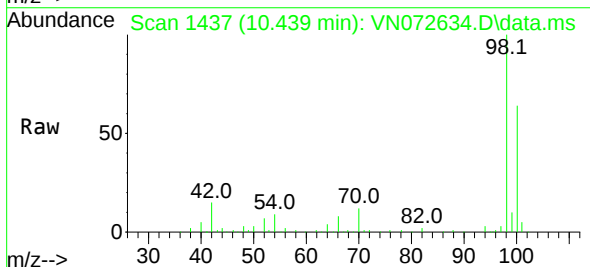
Instrument :
MSVOA_N
ClientSampleId :
IBLK

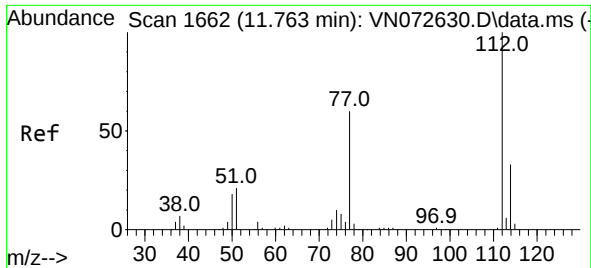
Tgt Ion:164 Resp: 760
Ion Ratio Lower Upper
164 100
166 68.6 105.8 158.8#
129 67.7 82.5 123.7#
131 52.4 81.2 121.8#



#63
Toluene-d8
Concen: 23.572 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072634.D
Acq: 26 May 2022 16:20

Tgt Ion: 98 Resp: 174236
Ion Ratio Lower Upper
98 100
100 64.9 50.6 76.0

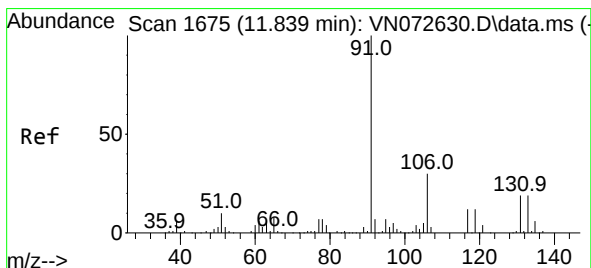
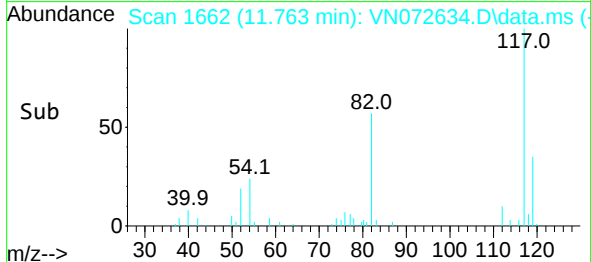
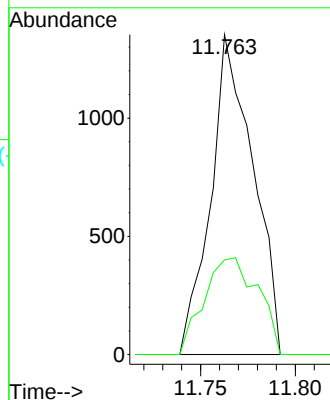
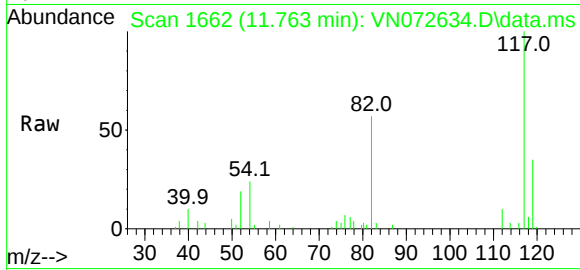




#64
Chlorobenzene
Concen: 0.396 ug/l
RT: 11.763 min Scan# 1662
Delta R.T. 0.000 min
Lab File: VN072634.D
Acq: 26 May 2022 16:20

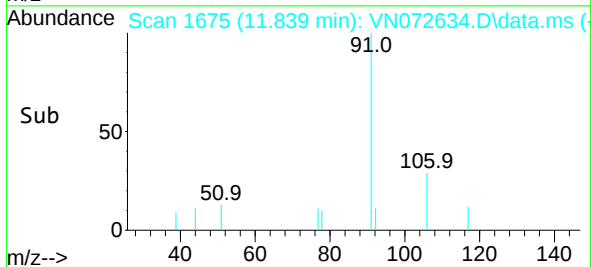
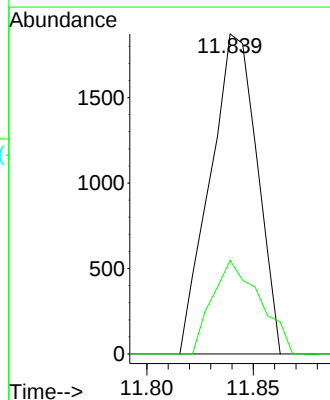
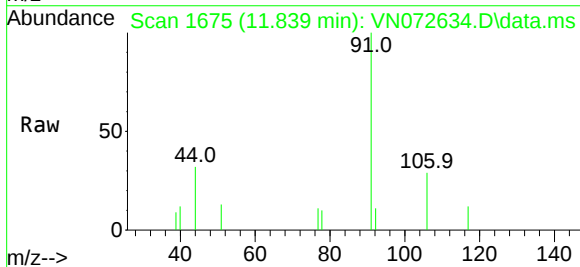
Instrument :
MSVOA_N
ClientSampleId :
IBLK

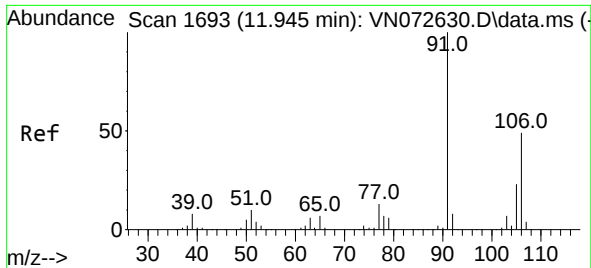
Tgt Ion:112 Resp: 2101
Ion Ratio Lower Upper
112 100
114 29.6 25.8 38.6



#66
Ethyl Benzene
Concen: 0.285 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN072634.D
Acq: 26 May 2022 16:20

Tgt Ion: 91 Resp: 2868
Ion Ratio Lower Upper
91 100
106 29.3 24.0 36.0

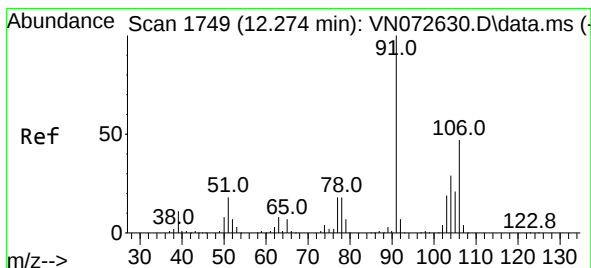
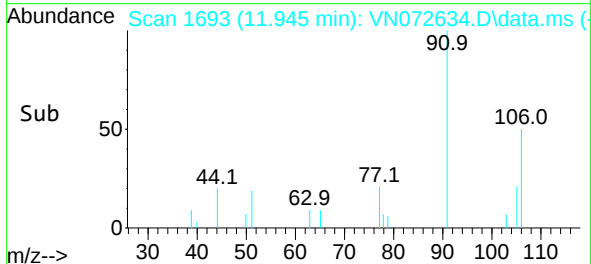
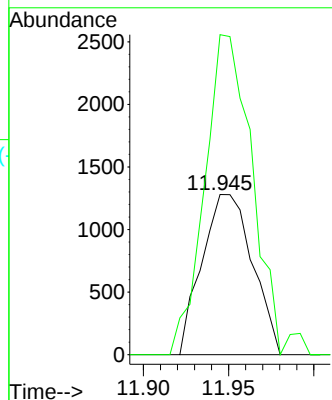
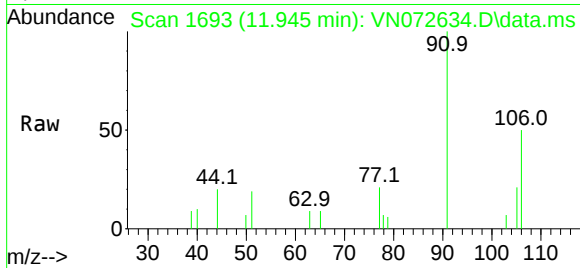




#67
m/p-Xylenes
Concen: 0.722 ug/l
RT: 11.945 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN072634.D
Acq: 26 May 2022 16:20

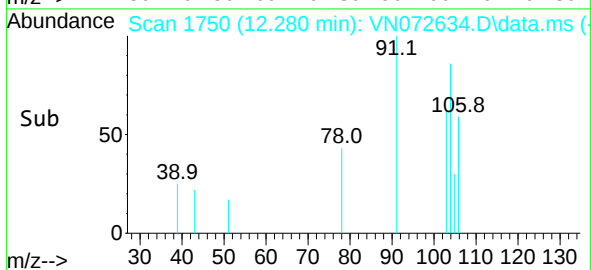
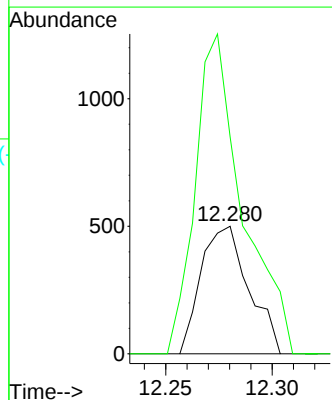
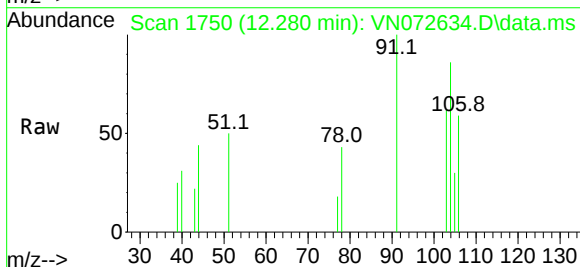
Instrument :
MSVOA_N
ClientSampleId :
IBLK

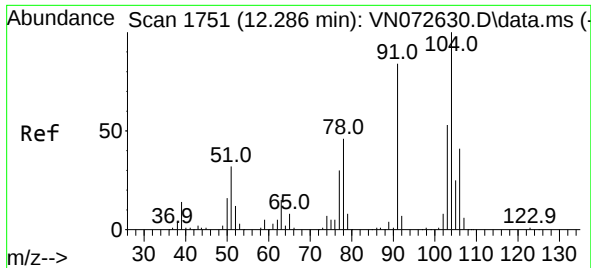
Tgt Ion:106 Resp: 2641
Ion Ratio Lower Upper
106 100
91 185.6 162.9 244.3



#68
o-Xylene
Concen: 0.214 ug/l
RT: 12.280 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VN072634.D
Acq: 26 May 2022 16:20

Tgt Ion:106 Resp: 780
Ion Ratio Lower Upper
106 100
91 247.9 107.7 323.1

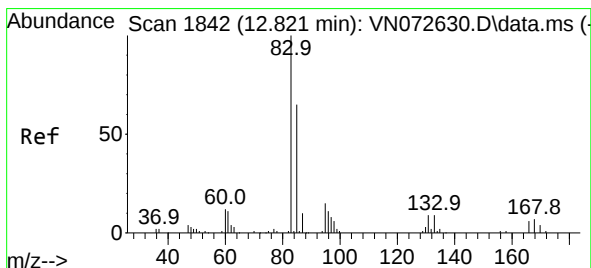
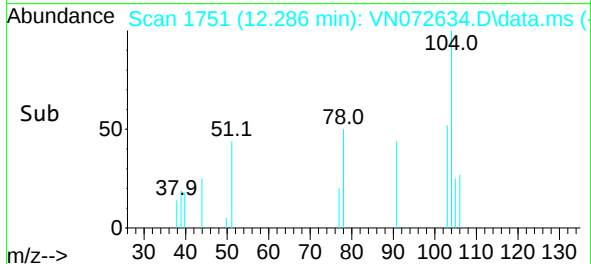
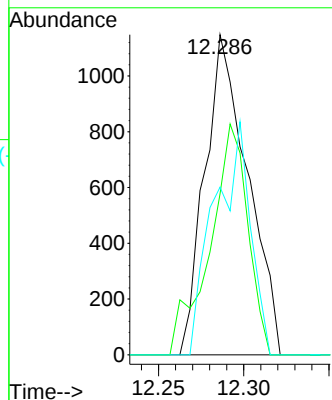
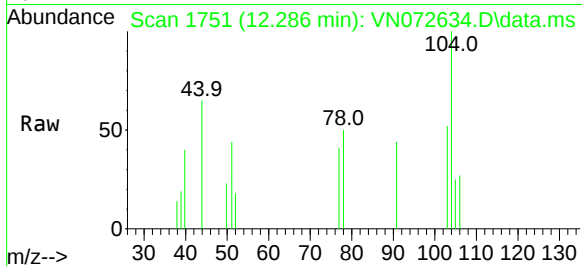




#69
Styrene
Concen: 0.348 ug/l
RT: 12.286 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN072634.D
Acq: 26 May 2022 16:20

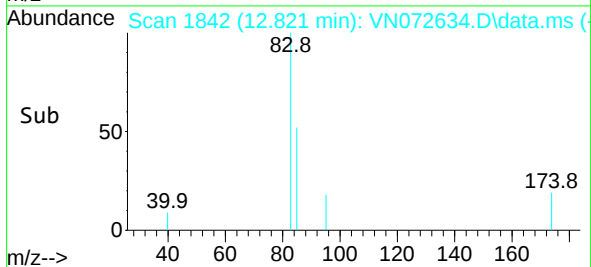
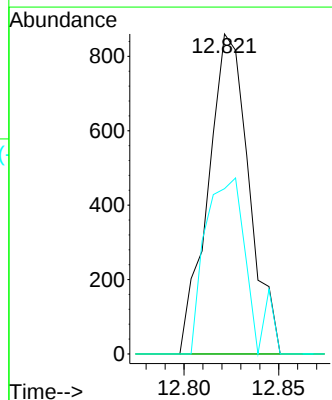
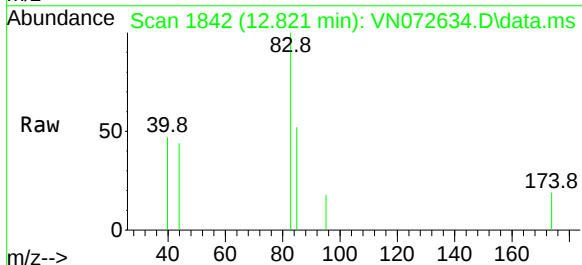
Instrument :
MSVOA_N
ClientSampleId :
IBLK

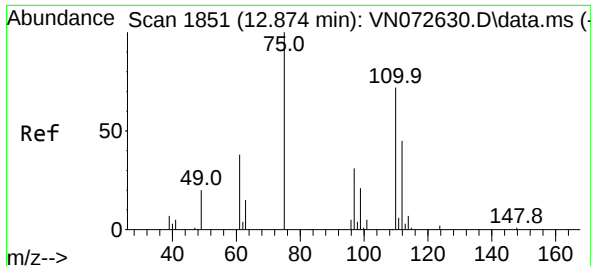
Tgt Ion:104 Resp: 2007
Ion Ratio Lower Upper
104 100
78 6.4 40.7 61.1#
103 34.4 45.8 68.8#



#71
1,1,2,2-Tetrachloroethane
Concen: 0.405 ug/l
RT: 12.821 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VN072634.D
Acq: 26 May 2022 16:20

Tgt Ion: 83 Resp: 1292
Ion Ratio Lower Upper
83 100
131 0.0 5.1 15.3#
85 51.6 33.1 99.2

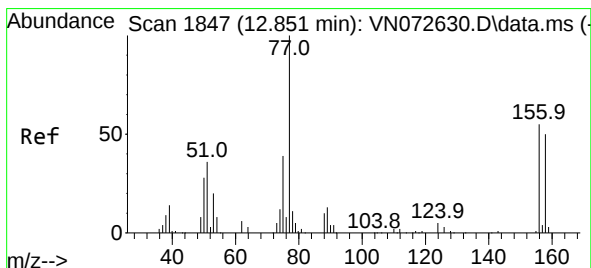
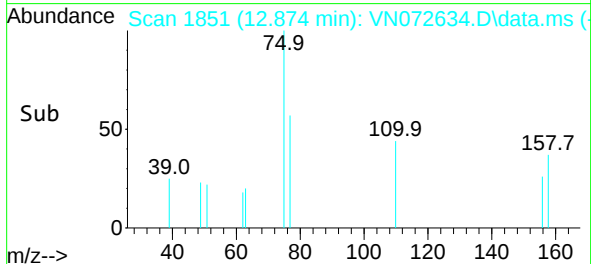
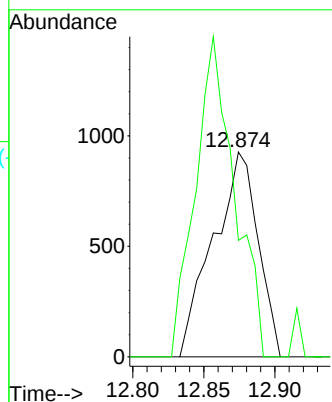
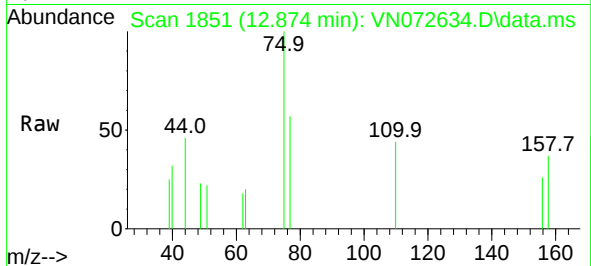




#72
1,2,3-Trichloropropane
Concen: 0.756 ug/l
RT: 12.874 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VN072634.D
Acq: 26 May 2022 16:20

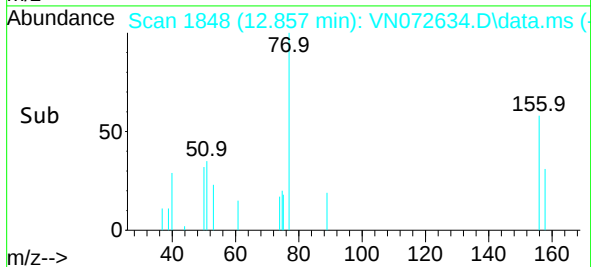
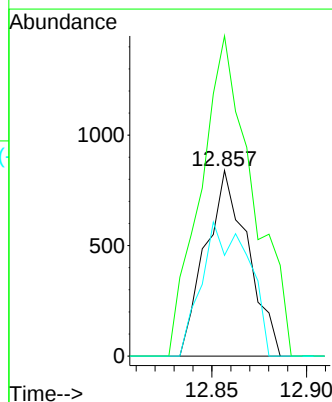
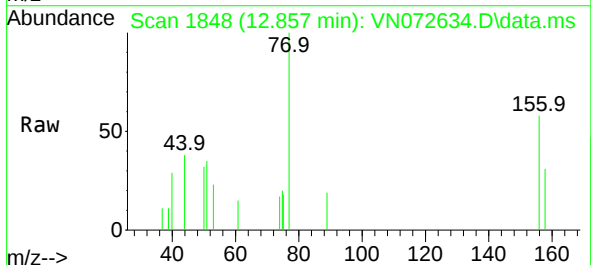
Instrument :
MSVOA_N
ClientSampleId :
IBLK

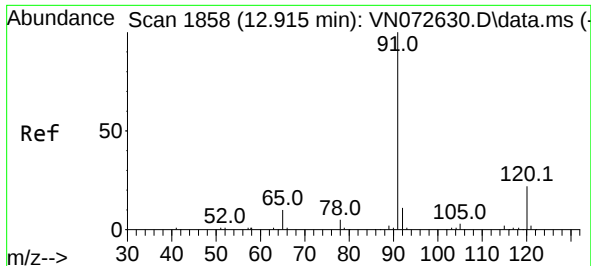
Tgt Ion: 75 Resp: 2037
Ion Ratio Lower Upper
75 100
77 119.2 0.0 378.0



#73
Bromobenzene
Concen: 0.638 ug/l
RT: 12.857 min Scan# 1848
Delta R.T. 0.006 min
Lab File: VN072634.D
Acq: 26 May 2022 16:20

Tgt Ion: 156 Resp: 1304
Ion Ratio Lower Upper
156 100
77 186.3 0.0 416.0
158 43.3 0.0 195.4

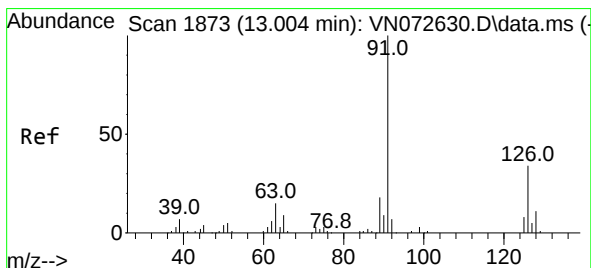
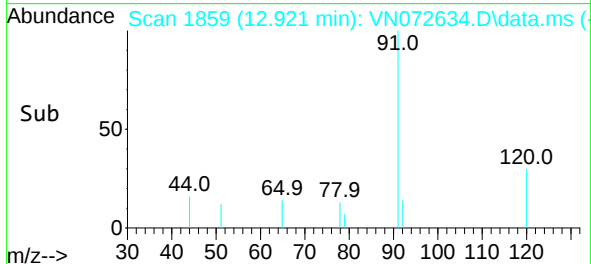
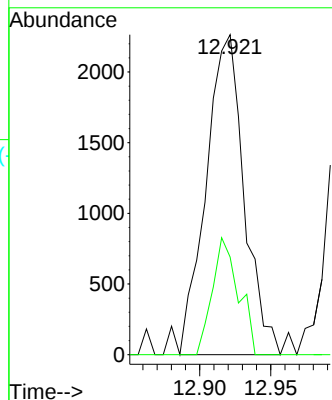
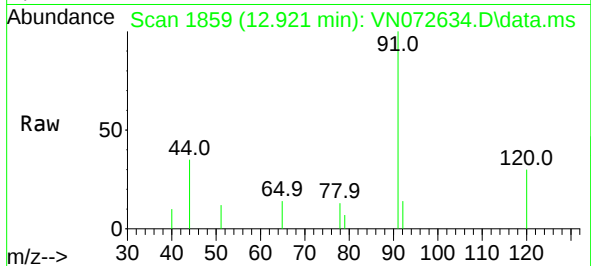




#74
n-propylbenzene
Concen: 0.401 ug/l
RT: 12.921 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VN072634.D
Acq: 26 May 2022 16:20

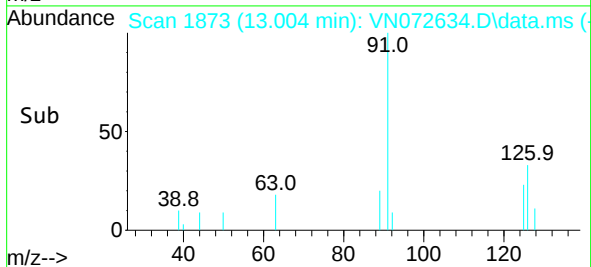
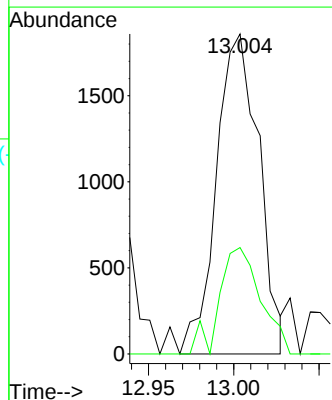
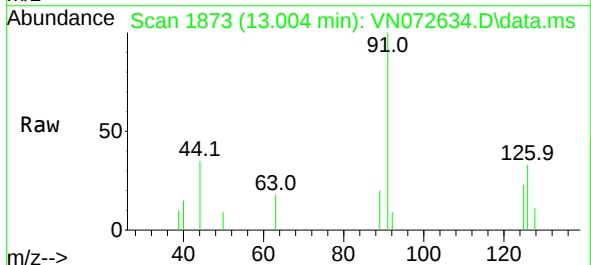
Instrument :
MSVOA_N
ClientSampleId :
IBLK

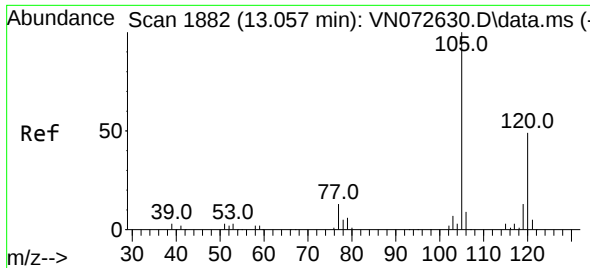
Tgt Ion: 91 Resp: 4216
Ion Ratio Lower Upper
91 100
120 25.2 0.0 45.0



#75
2-Chlorotoluene
Concen: 0.505 ug/l
RT: 13.004 min Scan# 1873
Delta R.T. 0.000 min
Lab File: VN072634.D
Acq: 26 May 2022 16:20

Tgt Ion: 91 Resp: 3223
Ion Ratio Lower Upper
91 100
126 30.2 0.0 69.8

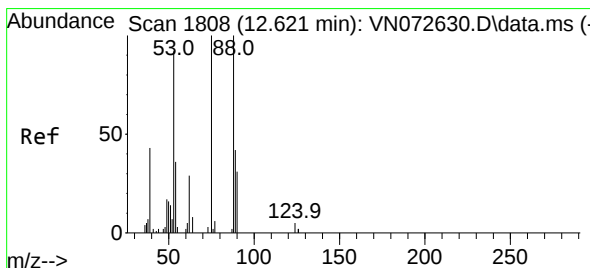
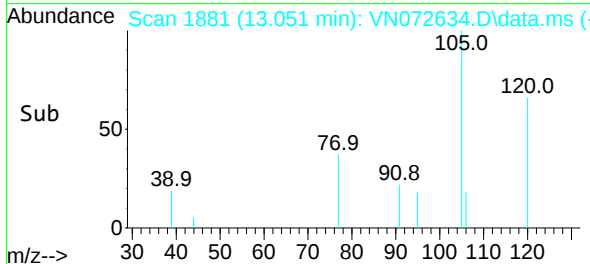
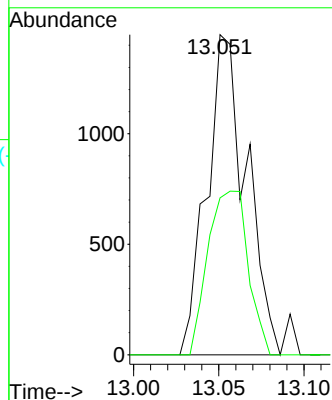
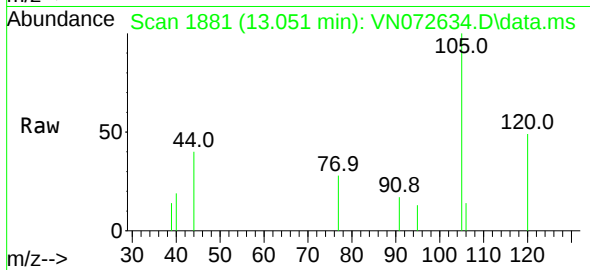




#76
1,3,5-Trimethylbenzene
Concen: 0.320 ug/l
RT: 13.051 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN072634.D
Acq: 26 May 2022 16:20

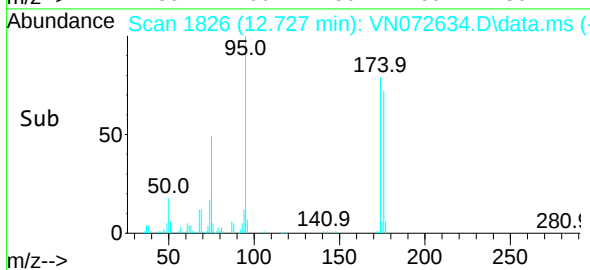
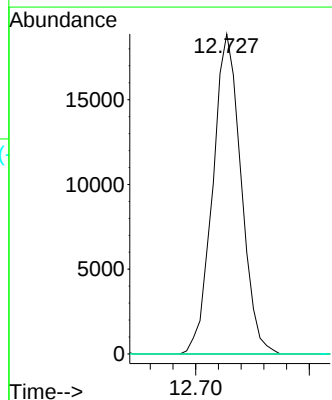
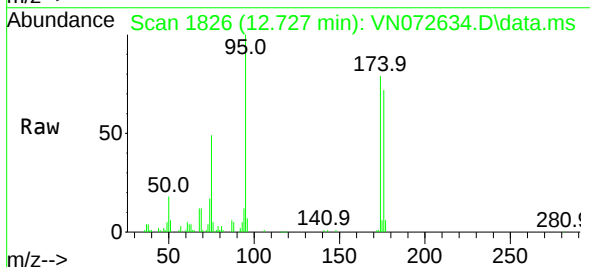
Instrument :
MSVOA_N
ClientSampleId :
IBLK

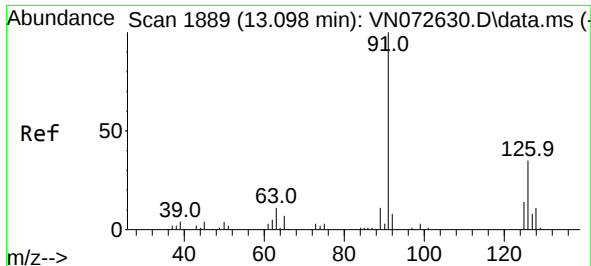
Tgt Ion:105 Resp: 2349
Ion Ratio Lower Upper
105 100
120 51.6 0.0 93.8



#77
t-1,4-Dichloro-2-butene
Concen: 31.007 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN072634.D
Acq: 26 May 2022 16:20

Tgt Ion: 75 Resp: 32649
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#

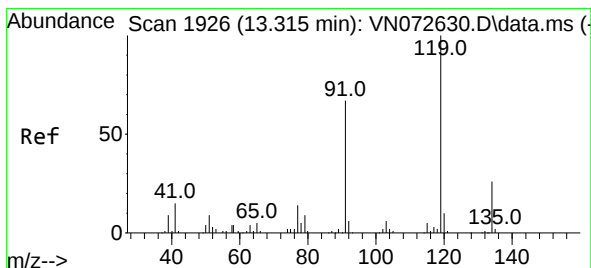
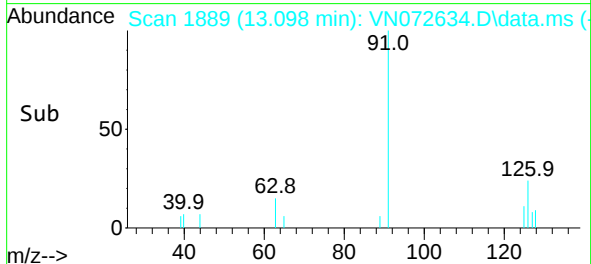
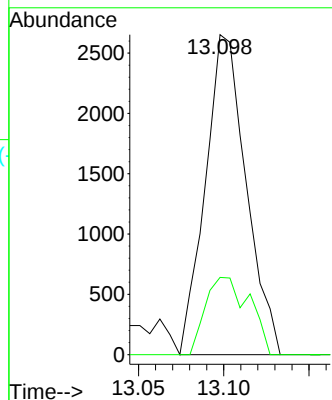
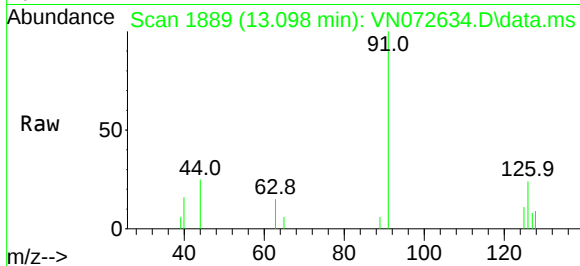




#78
4-Chlorotoluene
Concen: 0.761 ug/l
RT: 13.098 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN072634.D
Acq: 26 May 2022 16:20

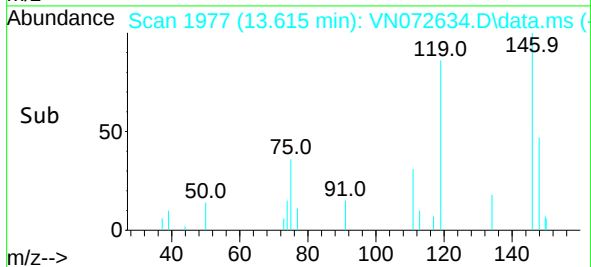
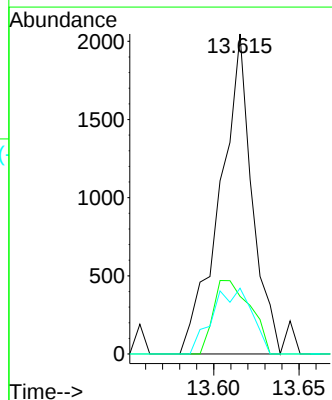
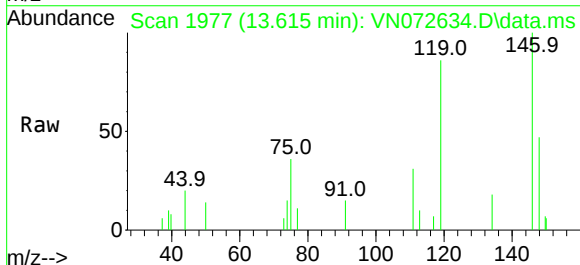
Instrument :
MSVOA_N
ClientSampleId :
IBLK

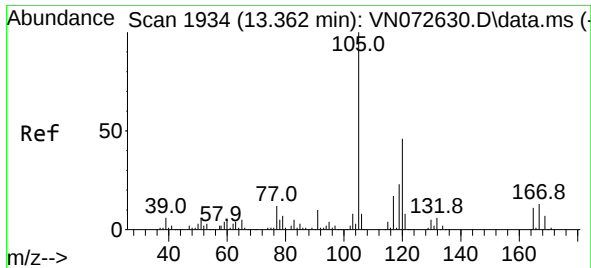
Tgt Ion: 91 Resp: 4418
Ion Ratio Lower Upper
91 100
126 25.9 0.0 70.6



#79
tert-butylbenzene
Concen: 0.417 ug/l
RT: 13.615 min Scan# 1977
Delta R.T. 0.300 min
Lab File: VN072634.D
Acq: 26 May 2022 16:20

Tgt Ion: 119 Resp: 2678
Ion Ratio Lower Upper
119 100
91 26.6 0.0 137.0
134 25.5 0.0 47.6

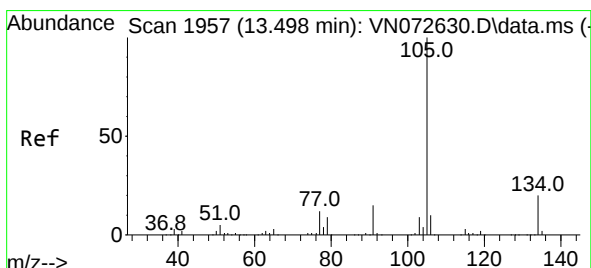
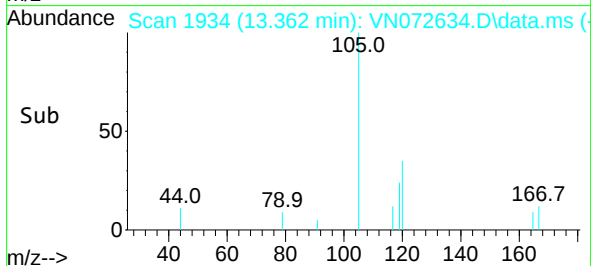
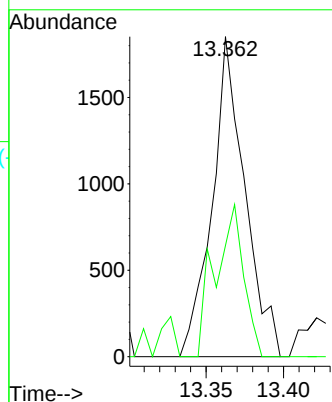
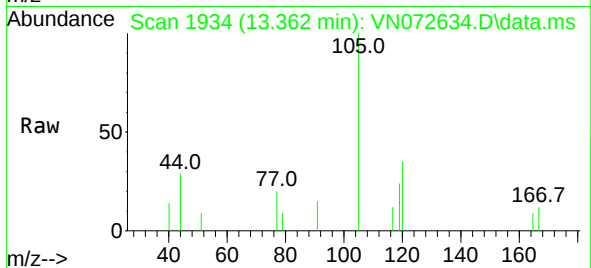




#80
1,2,4-Trimethylbenzene
Concen: 0.384 ug/l
RT: 13.362 min Scan# 1934
Delta R.T. 0.000 min
Lab File: VN072634.D
Acq: 26 May 2022 16:20

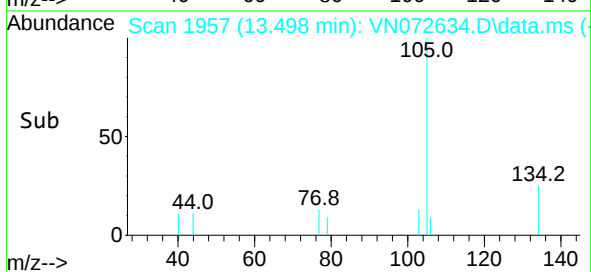
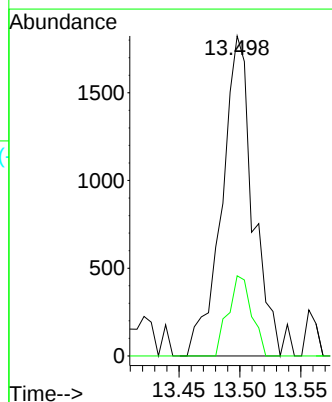
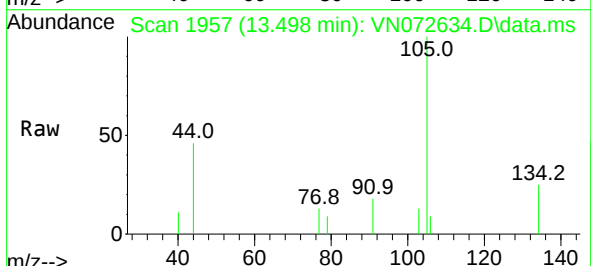
Instrument :
MSVOA_N
ClientSampleId :
IBLK

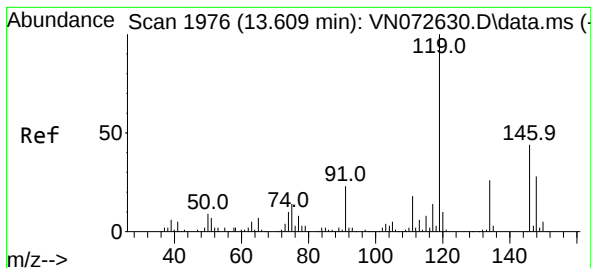
Tgt Ion:105 Resp: 2717
Ion Ratio Lower Upper
105 100
120 28.3 0.0 0.2#



#81
sec-Butylbenzene
Concen: 0.347 ug/l
RT: 13.498 min Scan# 1957
Delta R.T. 0.000 min
Lab File: VN072634.D
Acq: 26 May 2022 16:20

Tgt Ion:105 Resp: 3228
Ion Ratio Lower Upper
105 100
134 19.0 0.0 39.4





#82

p-Isopropyltoluene

Concen: 0.372 ug/l

RT: 13.615 min Scan# 1977

Delta R.T. 0.006 min

Lab File: VN072634.D

Acq: 26 May 2022 16:20

Instrument :

MSVOA_N

ClientSampleId :

IBLK

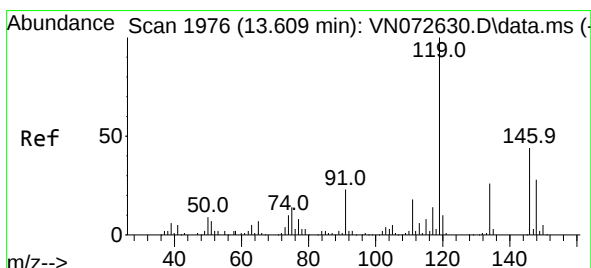
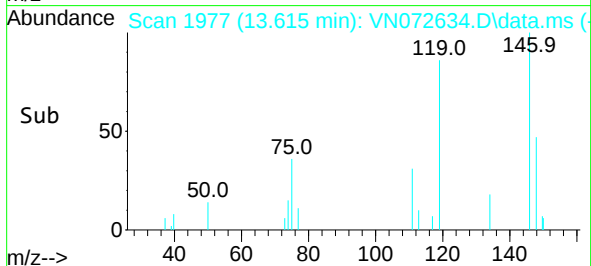
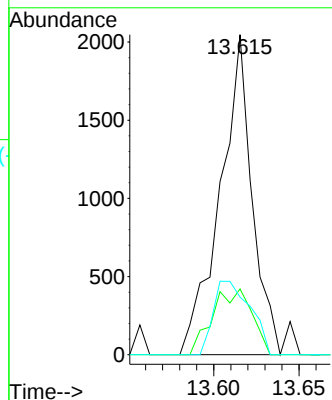
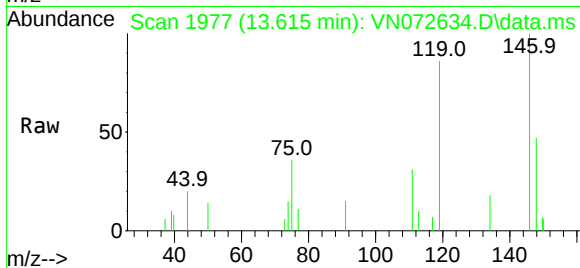
Tgt Ion:119 Resp: 2678

Ion Ratio Lower Upper

119 100

134 25.5 0.0 51.8

91 26.6 0.0 50.4



#83

1,3-Dichlorobenzene

Concen: 1.095 ug/l

RT: 13.615 min Scan# 1977

Delta R.T. 0.006 min

Lab File: VN072634.D

Acq: 26 May 2022 16:20

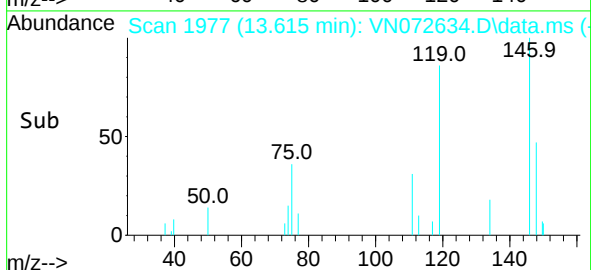
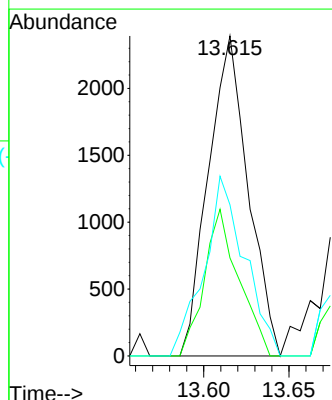
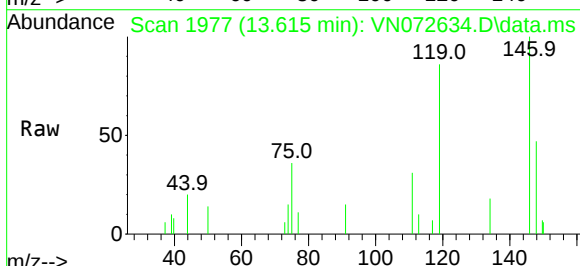
Tgt Ion:146 Resp: 3883

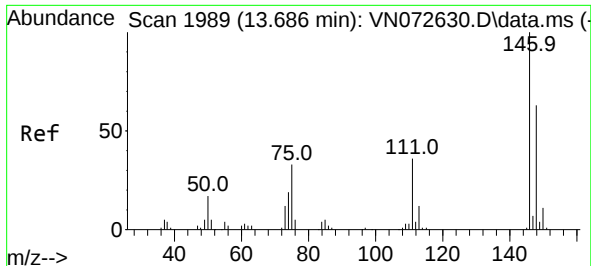
Ion Ratio Lower Upper

146 100

111 39.8 20.8 62.2

148 57.4 31.4 94.3

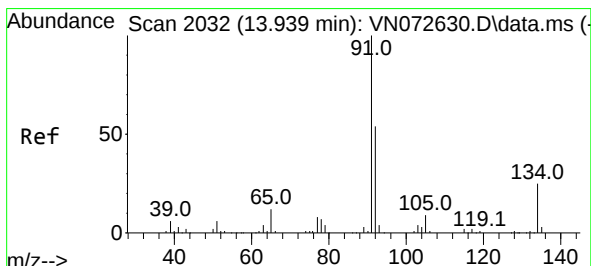
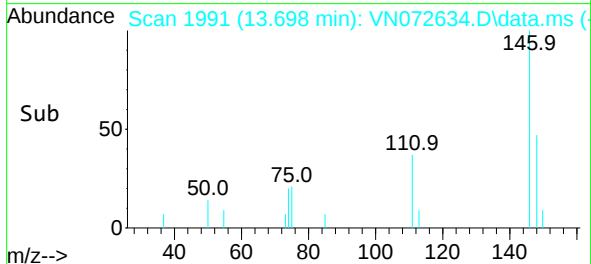
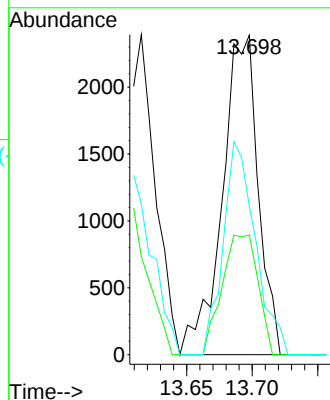
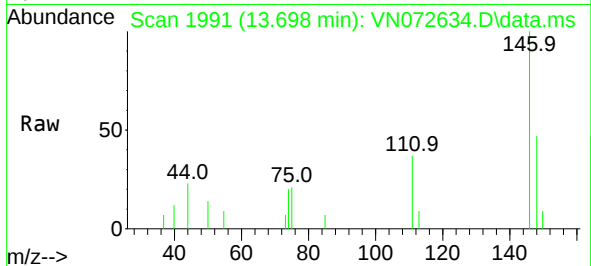




#84
1,4-Dichlorobenzene
Concen: 1.320 ug/l
RT: 13.698 min Scan# 1989
Delta R.T. 0.012 min
Lab File: VN072634.D
Acq: 26 May 2022 16:20

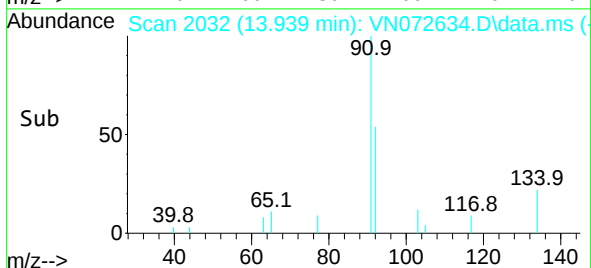
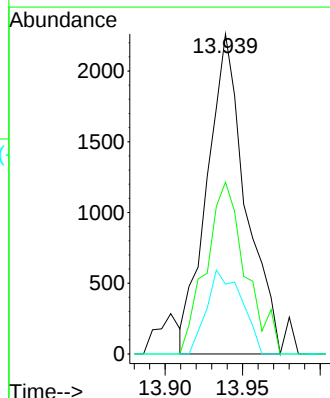
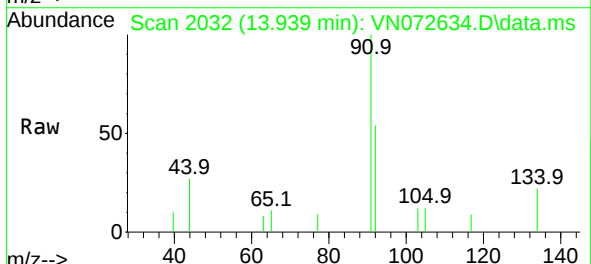
Instrument :
MSVOA_N
ClientSampleId :
IBLK

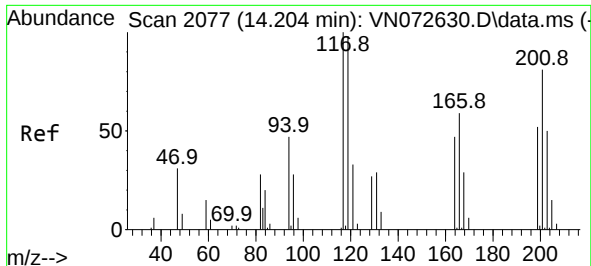
Tgt Ion:146 Resp: 4549
Ion Ratio Lower Upper
146 100
111 37.4 19.5 58.5
148 59.7 31.1 93.5



#85
n-Butylbenzene
Concen: 0.661 ug/l
RT: 13.939 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VN072634.D
Acq: 26 May 2022 16:20

Tgt Ion: 91 Resp: 3913
Ion Ratio Lower Upper
91 100
92 55.1 0.0 100.6
134 23.7 0.0 50.2

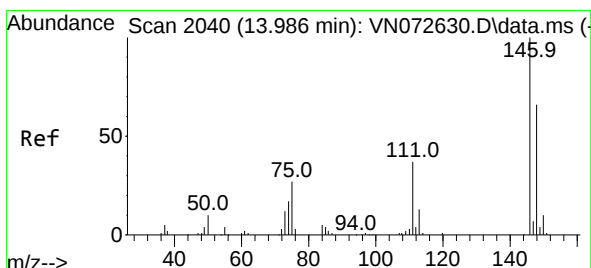
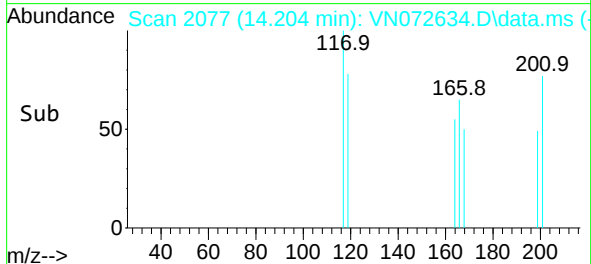
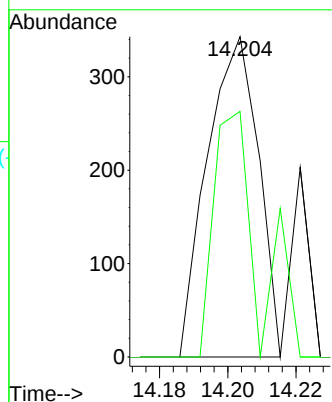
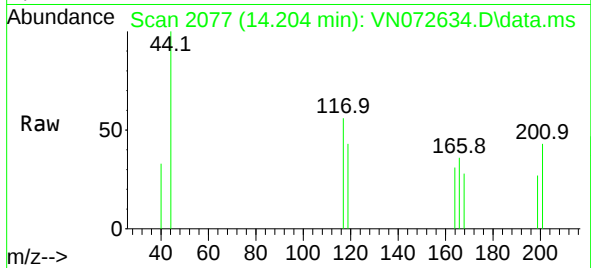




#86
Hexachloroethane
Concen: 0.250 ug/l
RT: 14.204 min Scan# 2077
Delta R.T. 0.000 min
Lab File: VN072634.D
Acq: 26 May 2022 16:20

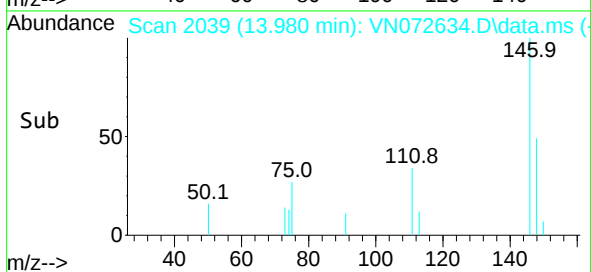
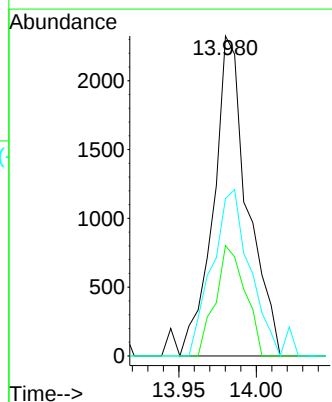
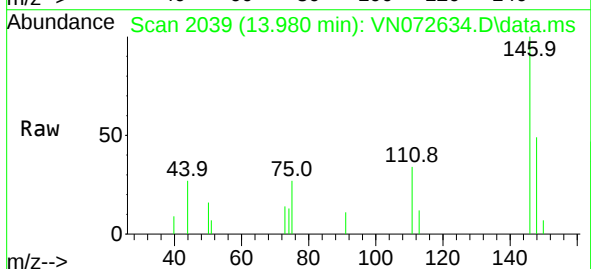
Instrument :
MSVOA_N
ClientSampleId :
IBLK

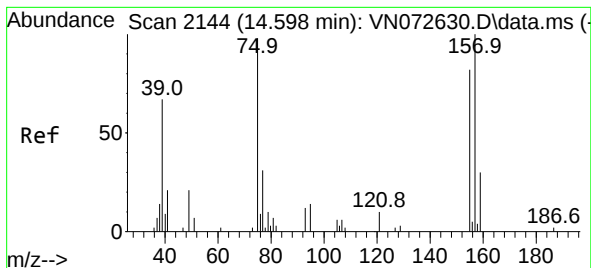
Tgt Ion:117 Resp: 358
Ion Ratio Lower Upper
117 100
201 50.3 33.3 99.8



#87
1,2-Dichlorobenzene
Concen: 1.015 ug/l
RT: 13.980 min Scan# 2039
Delta R.T. -0.006 min
Lab File: VN072634.D
Acq: 26 May 2022 16:20

Tgt Ion:146 Resp: 3555
Ion Ratio Lower Upper
146 100
111 29.9 21.4 64.2
148 57.1 32.5 97.4





#88

1,2-Dibromo-3-Chloropropane

Concen: 1.132 ug/l

RT: 14.592 min Scan# 2143

Delta R.T. -0.006 min

Lab File: VN072634.D

Acq: 26 May 2022 16:20

Instrument :

MSVOA_N

ClientSampleId :

IBLK

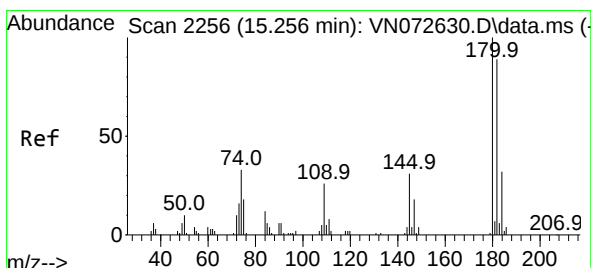
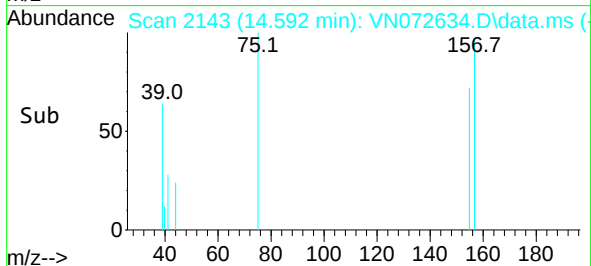
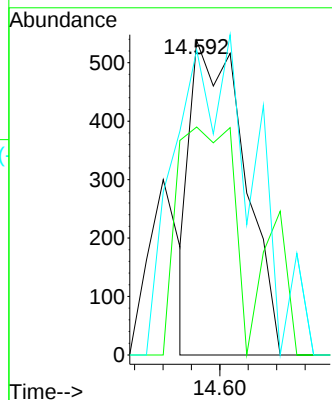
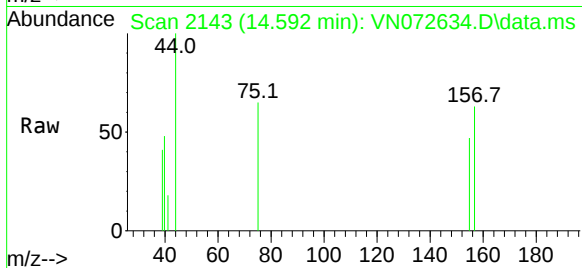
Tgt Ion: 75 Resp: 702

Ion Ratio Lower Upper

75 100

155 56.3 63.8 95.8#

157 78.5 77.9 116.9



#89

1,2,4-Trichlorobenzene

Concen: 3.491 ug/l

RT: 15.262 min Scan# 2257

Delta R.T. 0.006 min

Lab File: VN072634.D

Acq: 26 May 2022 16:20

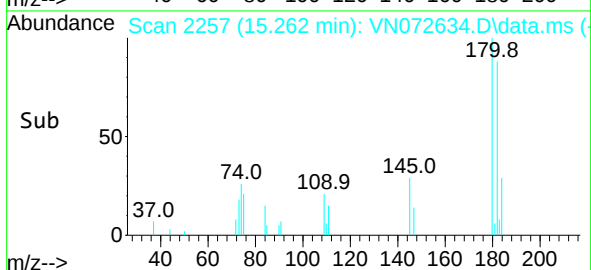
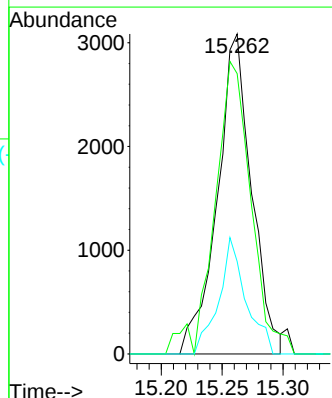
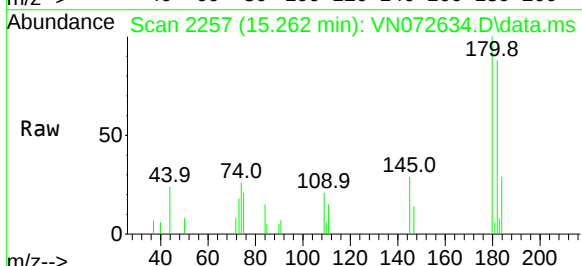
Tgt Ion:180 Resp: 6032

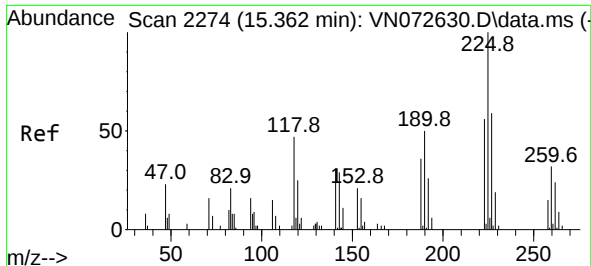
Ion Ratio Lower Upper

180 100

182 93.1 77.7 116.5

145 29.0 26.6 39.8

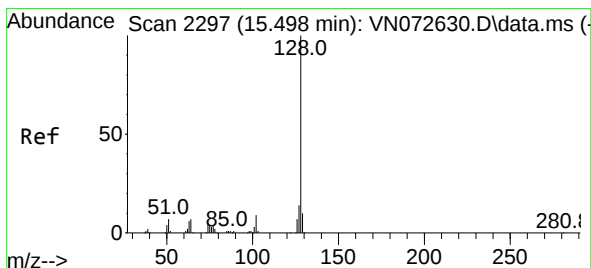
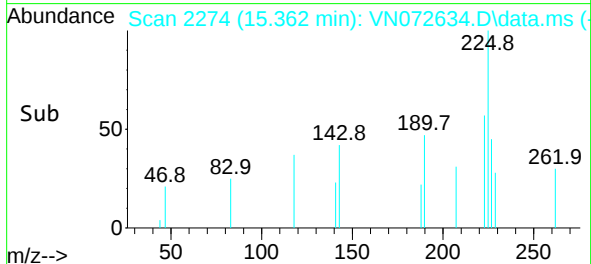
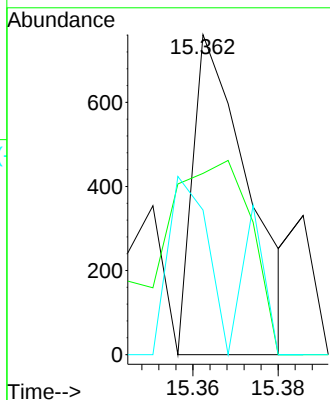
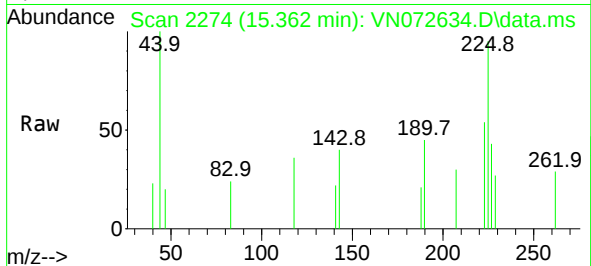




#90
Hexachlorobutadiene
Concen: 0.800 ug/l
RT: 15.362 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN072634.D
Acq: 26 May 2022 16:20

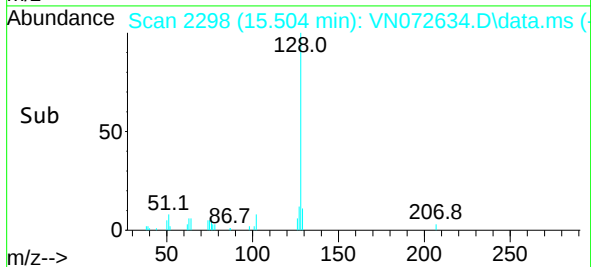
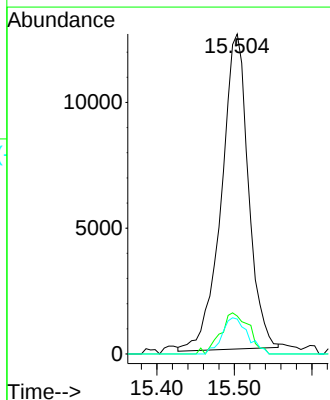
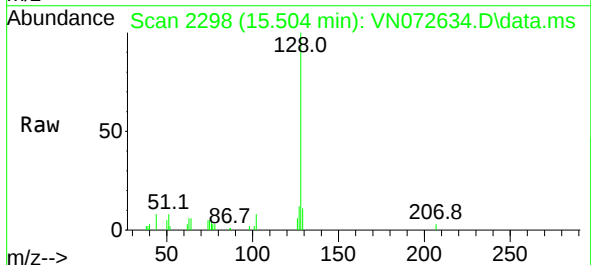
Instrument :
MSVOA_N
ClientSampleId :
IBLK

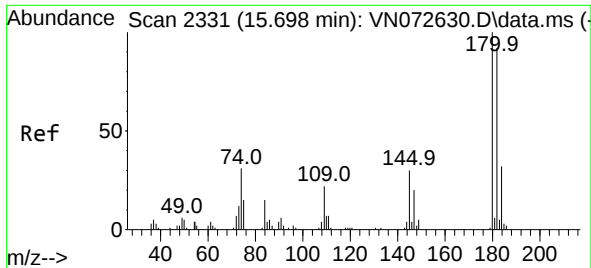
Tgt Ion:	225	Resp:	693
Ion Ratio	Lower	Upper	
225	100		
223	99.3	0.0	126.8
227	18.0	0.0	123.0



#91
Naphthalene
Concen: 5.018 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN072634.D
Acq: 26 May 2022 16:20

Tgt Ion:	128	Resp:	30430
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.7	16.1
129	11.0	9.0	13.6





#92

1,2,3-Trichlorobenzene

Concen: 4.821 ug/l

RT: 15.698 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN072634.D

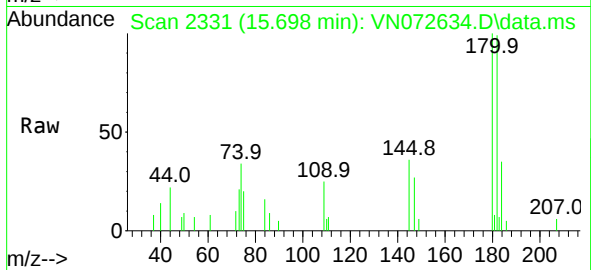
Acq: 26 May 2022 16:20

Instrument :

MSVOA_N

ClientSampleId :

IBLK



Tgt Ion:180 Resp: 8505

Ion Ratio Lower Upper

180 100

182 95.5 0.0 190.0

145 33.1 0.0 67.8

