

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033022\
 Data File : VN071692.D
 Acq On : 31 Mar 2022 05:21
 Operator : JC\MD
 Sample : PB143736TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB143736TB

Quant Time: Mar 31 07:48:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

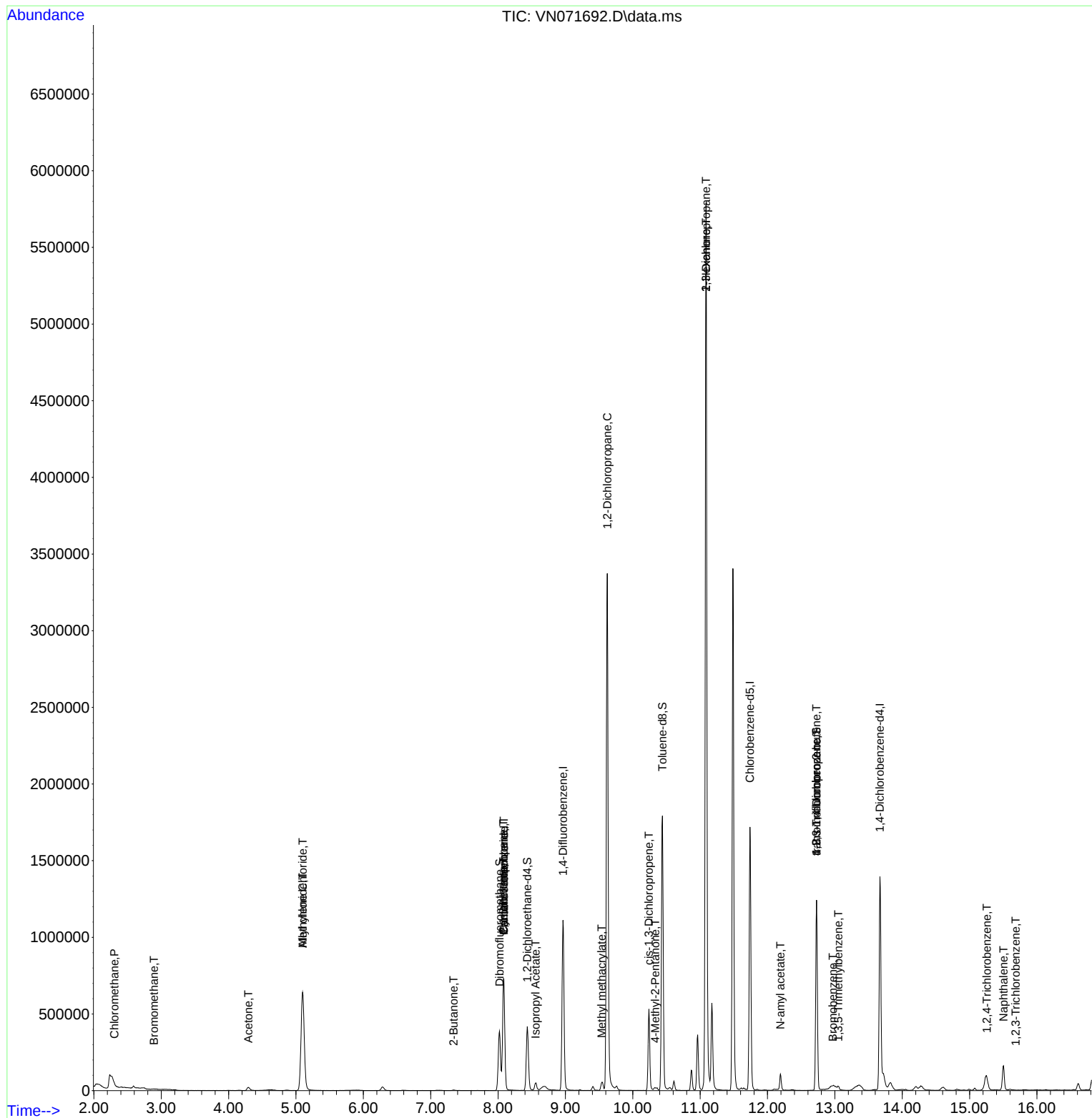
Internal Standards						
1) Pentafluorobenzene	8.086	168	597576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1024456	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1052057	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	415862	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	343609	50.368	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.740%			
35) Dibromofluoromethane	8.022	113	290415	48.175	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 96.340%			
50) Toluene-d8	10.439	98	1314041	53.285	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 106.580%			
62) 4-Bromofluorobenzene	12.727	95	441810	55.395	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 110.800%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.305	50	1402	0.233	ug/l #	63
5) Bromomethane	2.893	94	1135	0.264	ug/l #	75
14) Allyl chloride	5.098	41	16642	2.079	ug/l #	24
16) Acetone	4.293	43	38853	13.326	ug/l	98
18) Methyl Acetate	4.851	43	5737	Below Cal	#	83
20) Methylene Chloride	5.098	84	573971	93.403	ug/l	99
25) 2-Butanone	7.339	43	6578	1.565	ug/l	92
31) Cyclohexane	8.081	56	10626	1.145	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	42090	5.000	ug/l #	49
38) Carbon Tetrachloride	8.086	117	54109	6.558	ug/l #	17
43) Isopropyl Acetate	8.557	43	56278	3.672	ug/l #	93
45) 1,2-Dichloropropane	9.622	63	4629	0.697	ug/l #	44
48) Methyl methacrylate	9.539	41	14476	2.277	ug/l #	10
49) 1,4-Dioxane	9.622	88	505	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.333	43	11675	1.325	ug/l	98
54) cis-1,3-Dichloropropene	10.239	75	104735	10.186	ug/l #	61
57) 1,3-Dichloropropane	11.086	76	65350	5.649	ug/l #	43
59) 2-Hexanone	11.086	43	849682	136.961	ug/l #	47
74) N-amyl acetate	12.192	43	30480	3.036	ug/l #	49
76) 1,2,3-Trichloropropane	12.727	75	219808	22.816	ug/l #	1
77) Bromobenzene	12.969	156	33062	3.764	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.051	105	6266	0.226	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.727	75	219808	70.707	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.257	180	134	2.105	ug/l #	12
95) Naphthalene	15.504	128	162025	11.708	ug/l	99
96) 1,2,3-Trichlorobenzene	15.686	180	170	2.439	ug/l	66

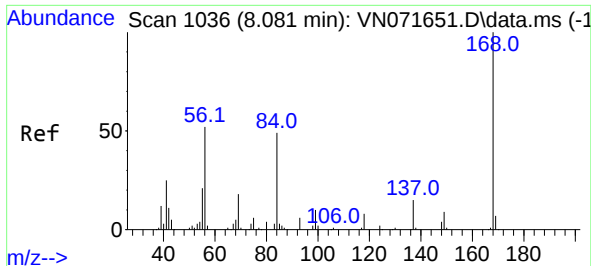
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033022\
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Response via : Initial Calibration

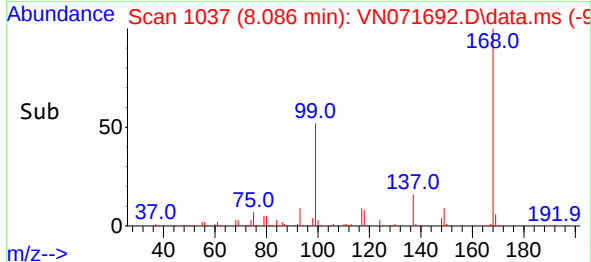
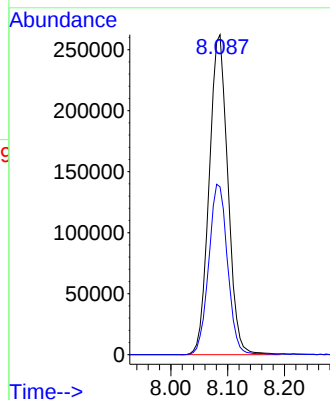
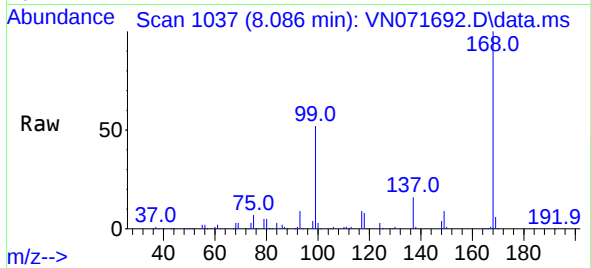




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN071692.D
Acq: 31 Mar 2022 05:21

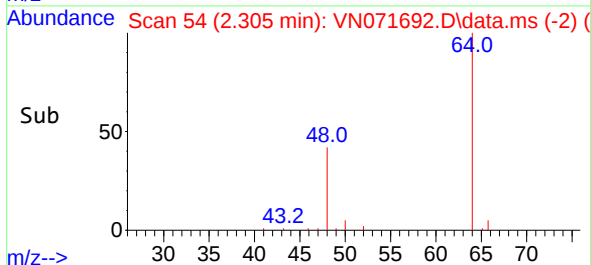
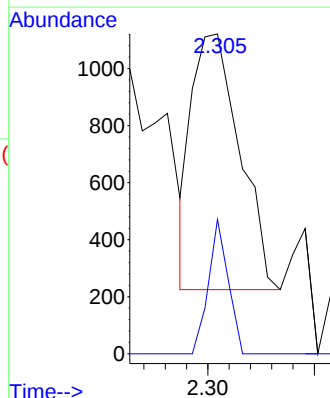
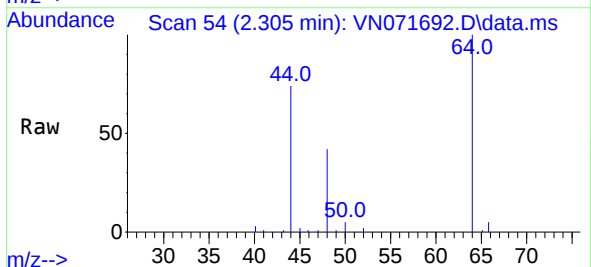
Instrument :
MSVOA_N
ClientSampleId :
PB143736TB

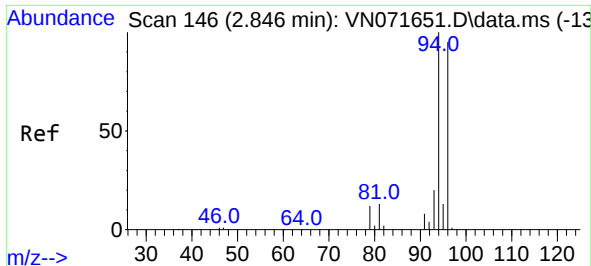
Tgt Ion:168 Resp: 597576
Ion Ratio Lower Upper
168 100
99 52.4 42.3 63.5



#3
Chloromethane
Concen: 0.233 ug/l
RT: 2.305 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN071692.D
Acq: 31 Mar 2022 05:21

Tgt Ion: 50 Resp: 1402
Ion Ratio Lower Upper
50 100
52 52.6 25.7 38.5#

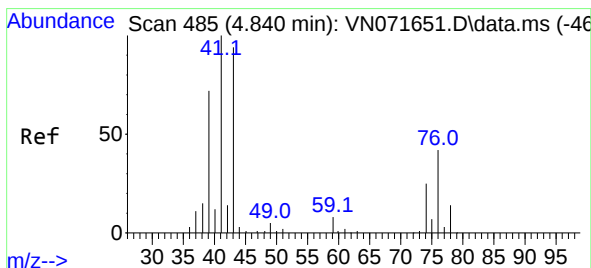
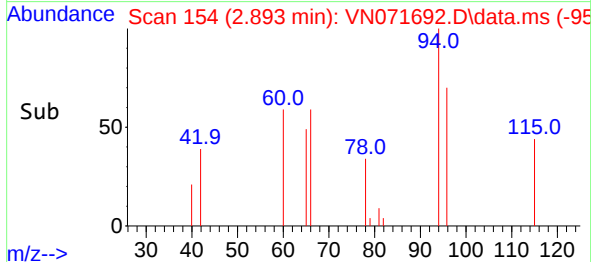
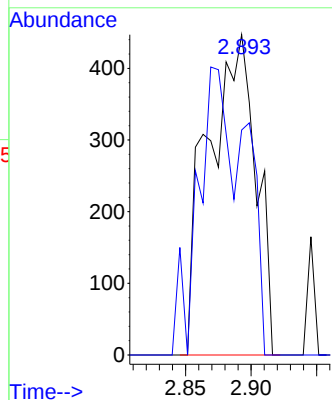
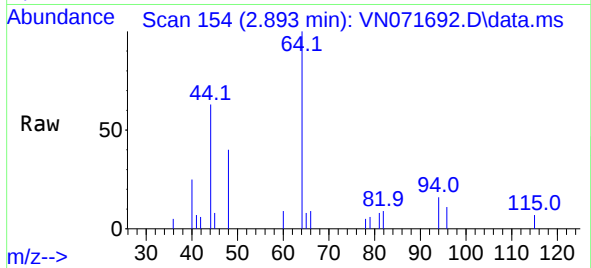




#5
Bromomethane
Concen: 0.264 ug/l
RT: 2.893 min Scan# 1135
Delta R.T. 0.047 min
Lab File: VN071692.D
Acq: 31 Mar 2022 05:21

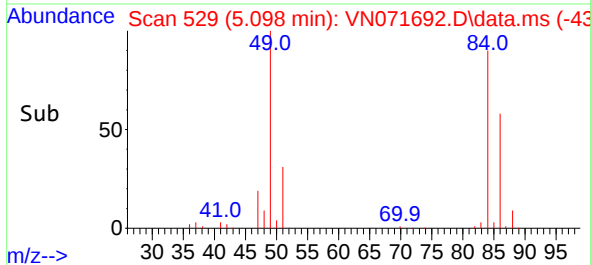
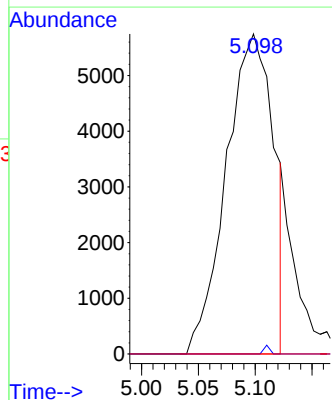
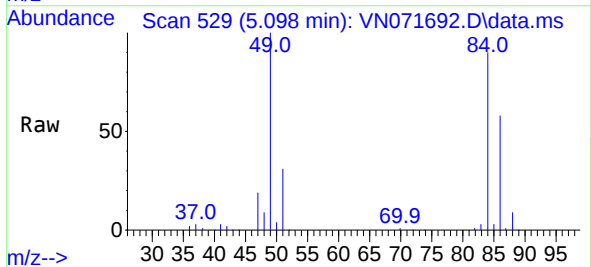
Instrument :
MSVOA_N
ClientSampleId :
PB143736TB

Tgt Ion: 94 Resp: 1135
Ion Ratio Lower Upper
94 100
96 70.2 76.0 114.0#



#14
Allyl chloride
Concen: 2.079 ug/l
RT: 5.098 min Scan# 529
Delta R.T. 0.258 min
Lab File: VN071692.D
Acq: 31 Mar 2022 05:21

Tgt Ion: 41 Resp: 16642
Ion Ratio Lower Upper
41 100
39 0.3 53.2 79.8#
76 0.0 29.9 44.9#

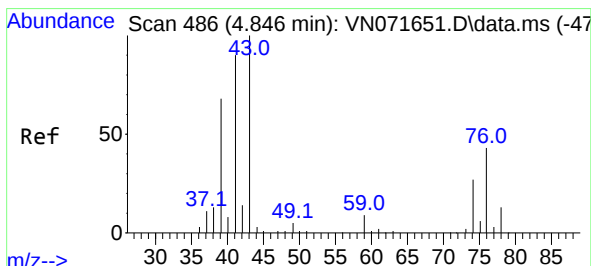
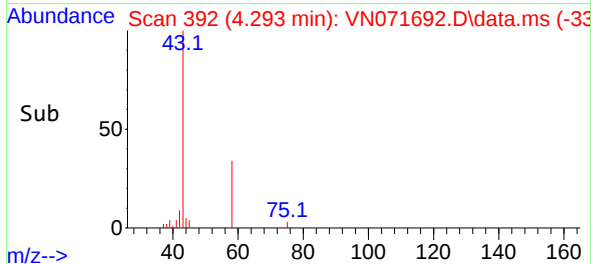
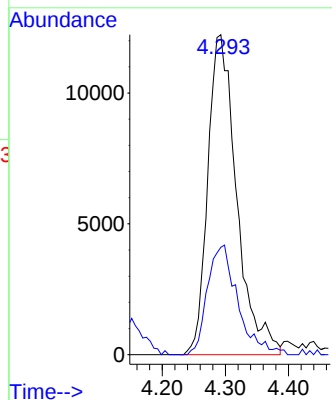
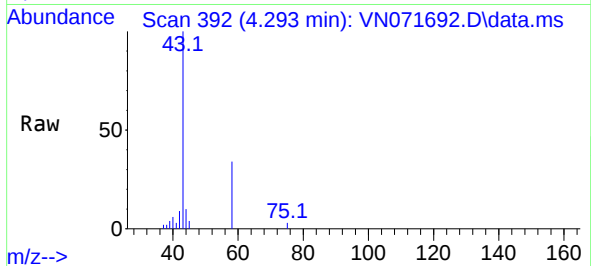




#16
Acetone
Concen: 13.326 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.018 min
Lab File: VN071692.D
Acq: 31 Mar 2022 05:21

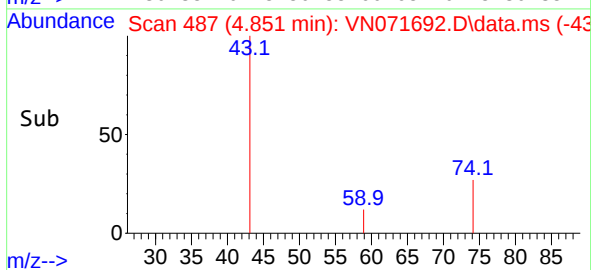
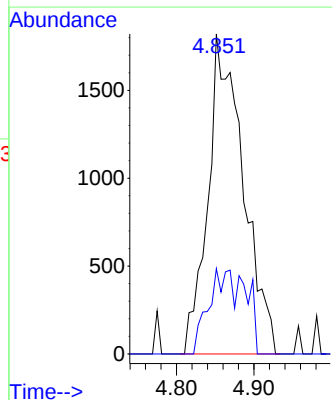
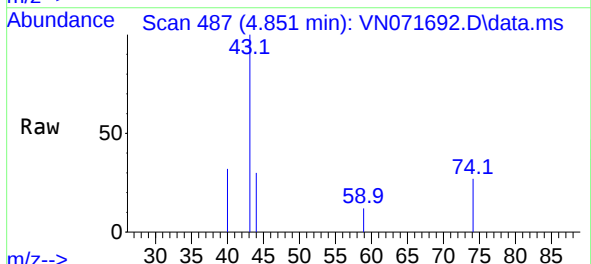
Instrument :
MSVOA_N
ClientSampleId :
PB143736TB

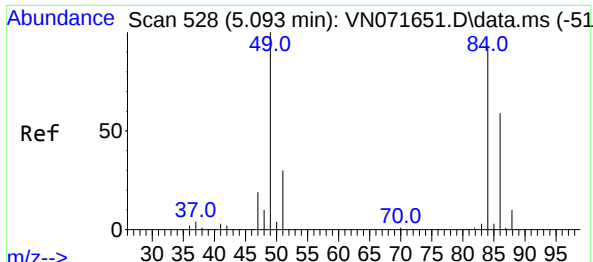
Tgt Ion: 43 Resp: 38853
Ion Ratio Lower Upper
43 100
58 33.6 26.0 39.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.851 min Scan# 487
Delta R.T. 0.005 min
Lab File: VN071692.D
Acq: 31 Mar 2022 05:21

Tgt Ion: 43 Resp: 5737
Ion Ratio Lower Upper
43 100
74 18.2 21.6 32.4#



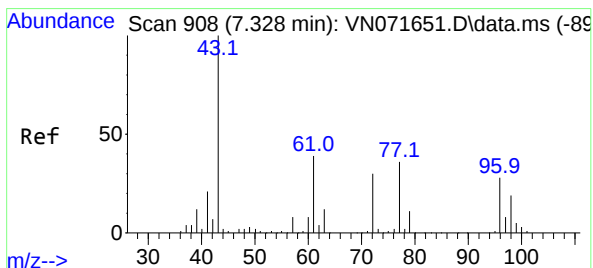
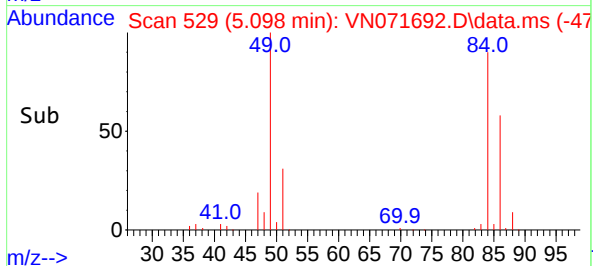
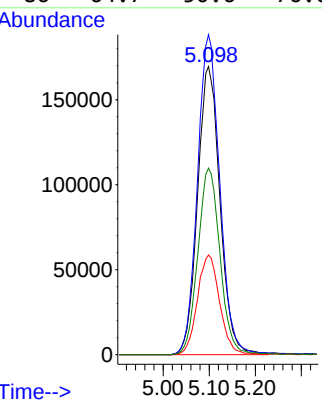
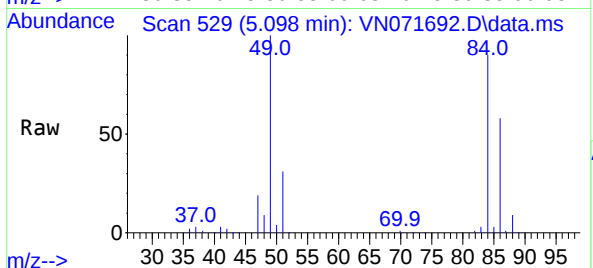


#20
Methylene Chloride
Concen: 93.403 ug/l
RT: 5.098 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN071692.D
Acq: 31 Mar 2022 05:21

Instrument :
MSVOA_N
ClientSampleId :
PB143736TB

Tgt Ion: 84 Resp: 573971

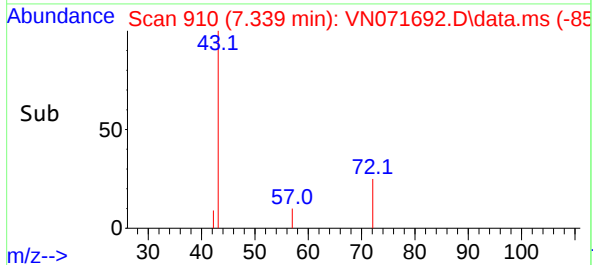
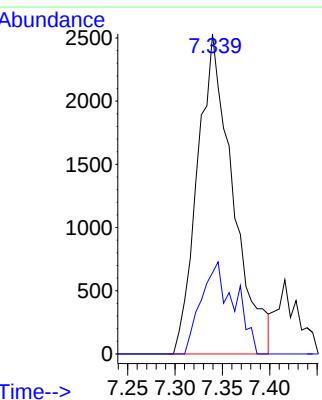
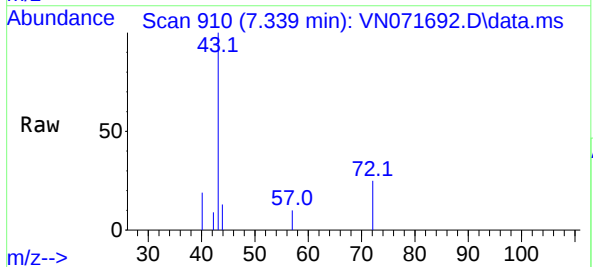
Ion	Ratio	Lower	Upper
84	100		
49	111.1	88.3	132.5
51	34.6	28.2	42.2
86	64.7	50.6	76.0

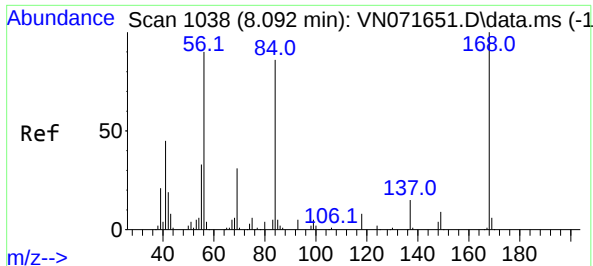


#25
2-Butanone
Concen: 1.565 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.011 min
Lab File: VN071692.D
Acq: 31 Mar 2022 05:21

Tgt Ion: 43 Resp: 6578

Ion	Ratio	Lower	Upper
43	100		
72	25.4	23.7	35.5

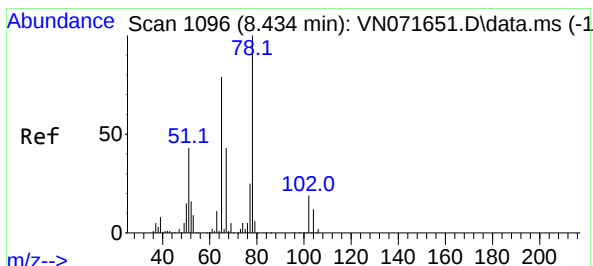
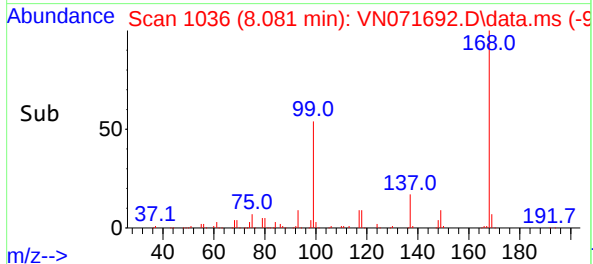
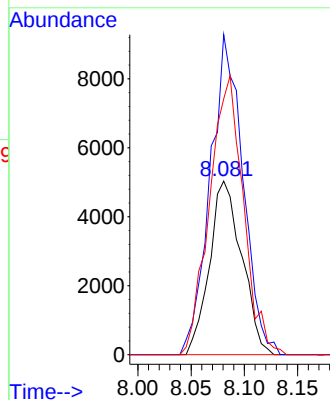
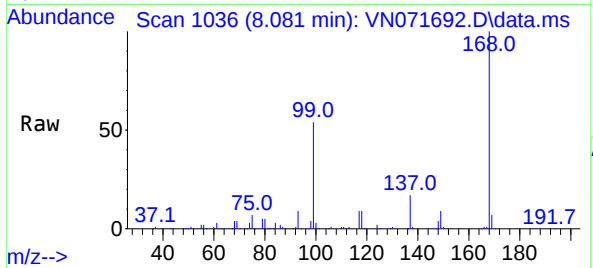




#31
Cyclohexane
Concen: 1.145 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.011 min
Lab File: VN071692.D
Acq: 31 Mar 2022 05:21

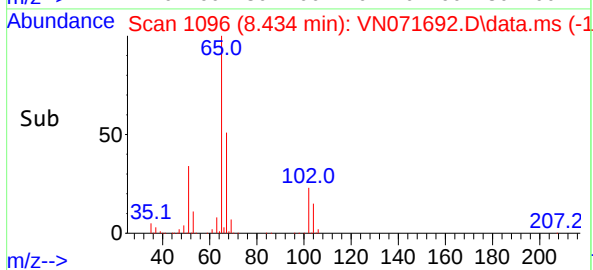
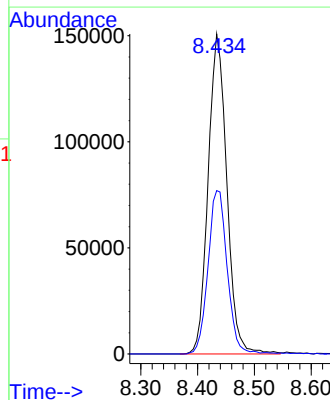
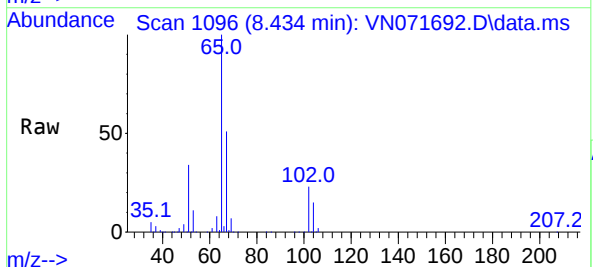
Instrument :
MSVOA_N
ClientSampleId :
PB143736TB

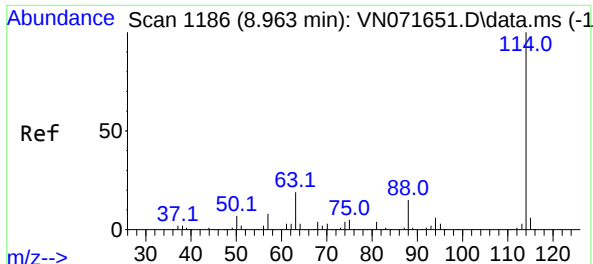
Tgt Ion: 56 Resp: 10626
Ion Ratio Lower Upper
56 100
69 184.3 27.8 41.8#
84 147.3 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 50.368 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN071692.D
Acq: 31 Mar 2022 05:21

Tgt Ion: 65 Resp: 343609
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN071692.D

Acq: 31 Mar 2022 05:21

Instrument :

MSVOA_N

ClientSampleId :

PB143736TB

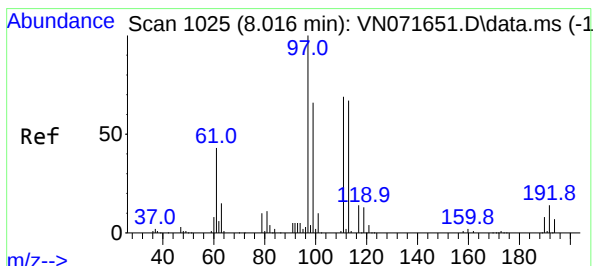
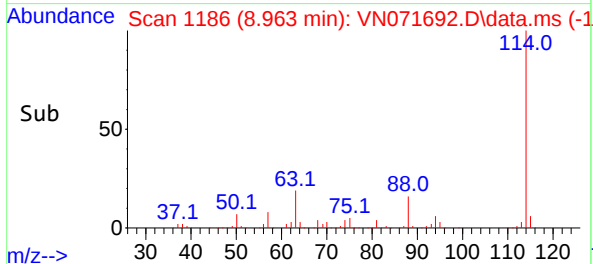
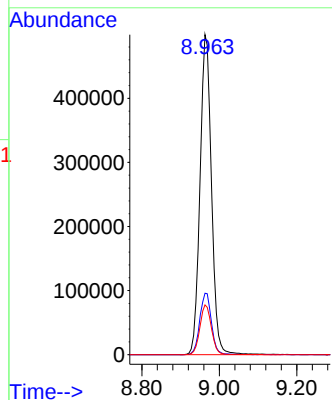
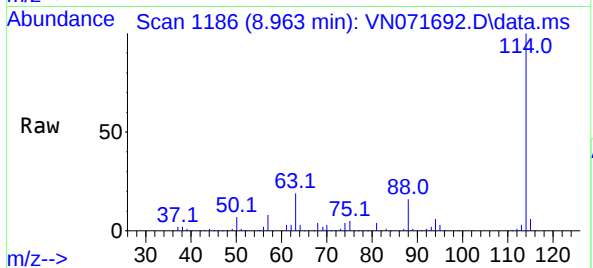
Tgt Ion:114 Resp: 1024456

Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.0

88 15.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.175 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN071692.D

Acq: 31 Mar 2022 05:21

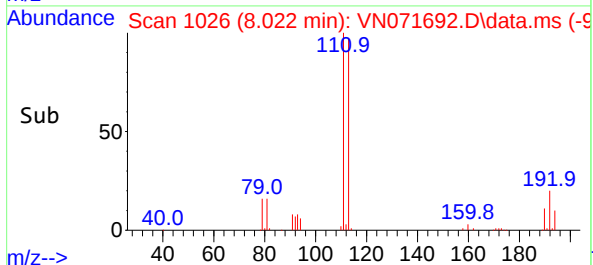
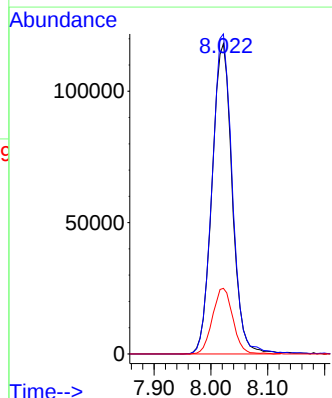
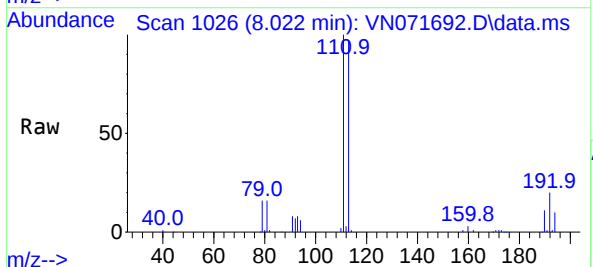
Tgt Ion:113 Resp: 290415

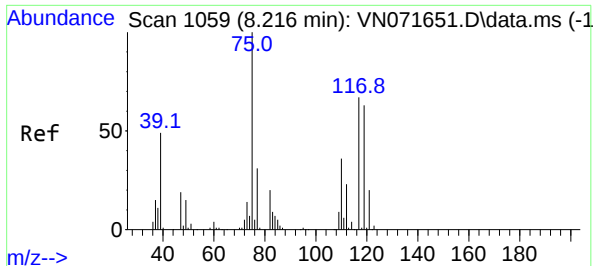
Ion Ratio Lower Upper

113 100

111 102.8 81.4 122.0

192 21.4 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.000 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN071692.D

Acq: 31 Mar 2022 05:21

Instrument :

MSVOA_N

ClientSampleId :

PB143736TB

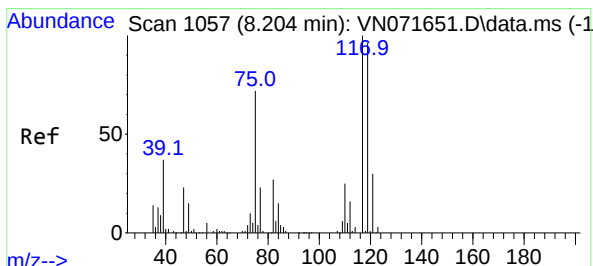
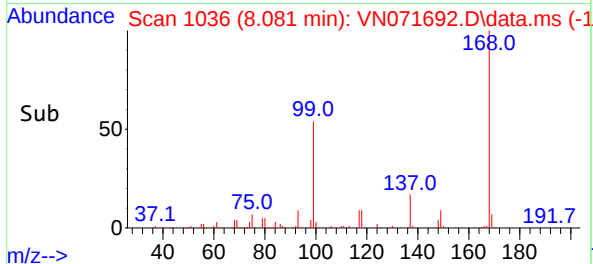
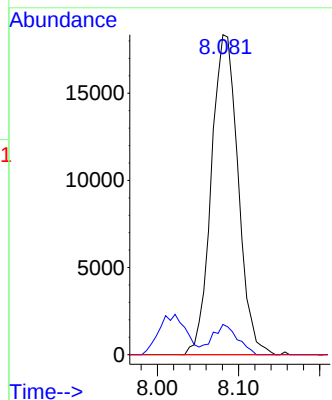
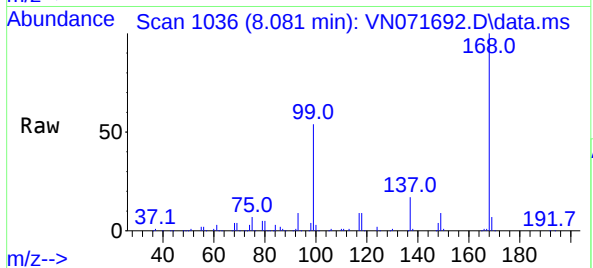
Tgt Ion: 75 Resp: 42090

Ion Ratio Lower Upper

75 100

110 8.9 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.558 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.118 min

Lab File: VN071692.D

Acq: 31 Mar 2022 05:21

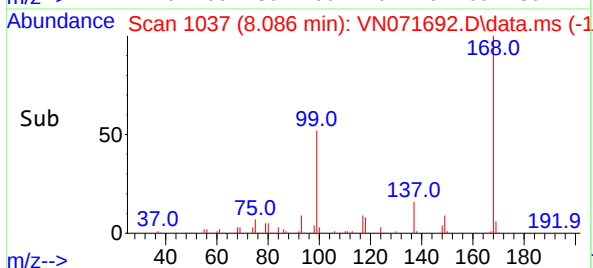
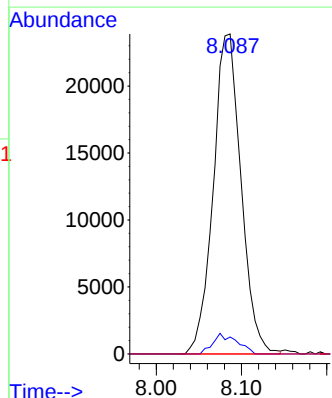
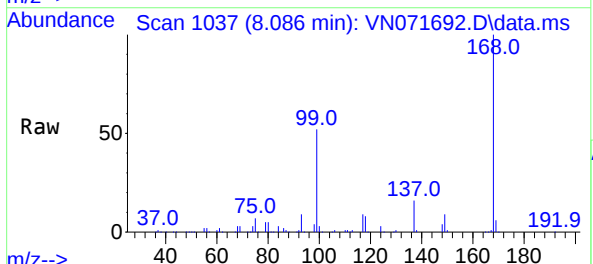
Tgt Ion: 117 Resp: 54109

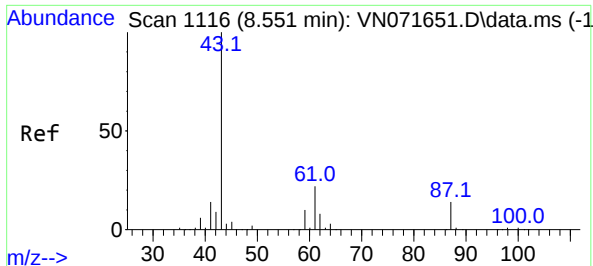
Ion Ratio Lower Upper

117 100

119 5.3 75.8 113.8#

121 0.0 24.6 37.0#

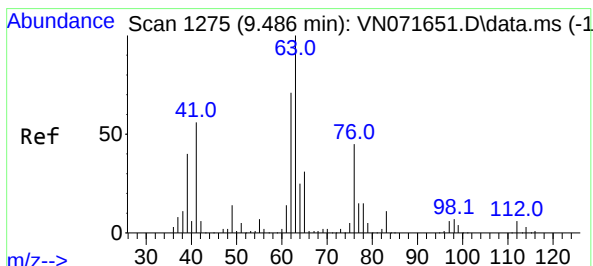
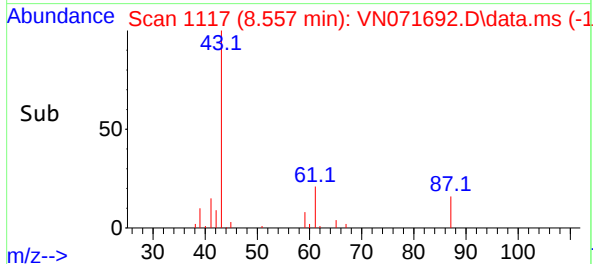
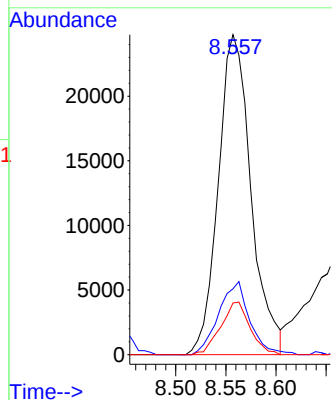
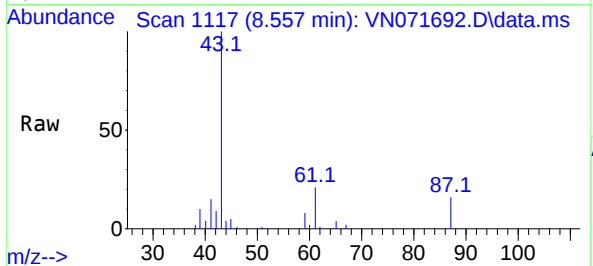




#43
Isopropyl Acetate
Concen: 3.672 ug/l
RT: 8.557 min Scan# 1116
Delta R.T. 0.006 min
Lab File: VN071692.D
Acq: 31 Mar 2022 05:21

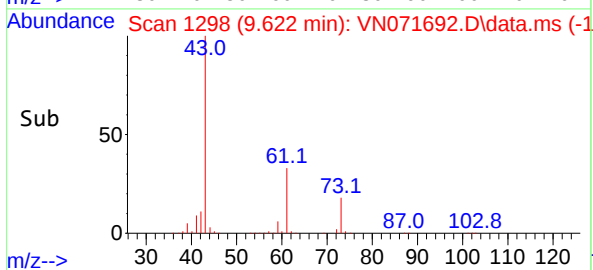
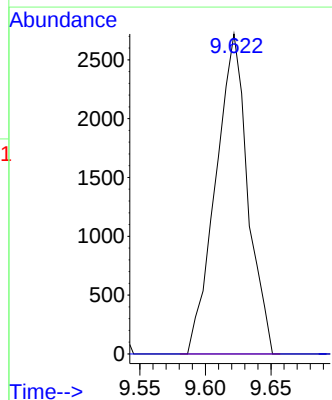
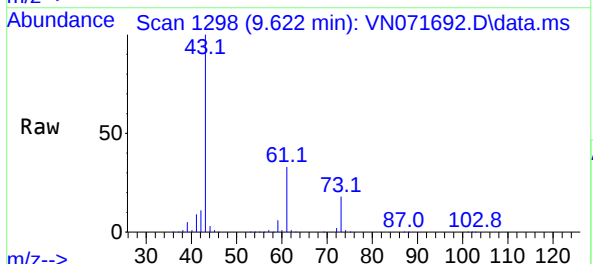
Instrument :
MSVOA_N
ClientSampleId :
PB143736TB

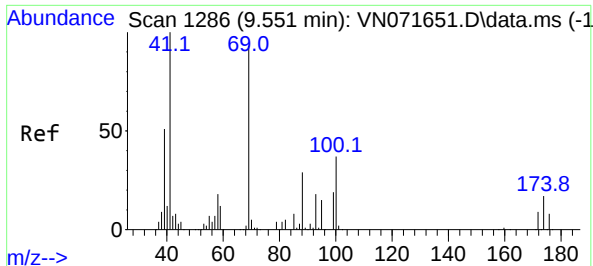
Tgt Ion: 43 Resp: 56278
Ion Ratio Lower Upper
43 100
61 21.6 21.9 32.9#
87 14.8 12.0 18.0



#45
1,2-Dichloropropane
Concen: 0.697 ug/l
RT: 9.622 min Scan# 1298
Delta R.T. 0.136 min
Lab File: VN071692.D
Acq: 31 Mar 2022 05:21

Tgt Ion: 63 Resp: 4629
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#





#48

Methyl methacrylate

Concen: 2.277 ug/l

RT: 9.539 min Scan# 11

Delta R.T. -0.012 min

Lab File: VN071692.D

Acq: 31 Mar 2022 05:21

Instrument :

MSVOA_N

ClientSampleId :

PB143736TB

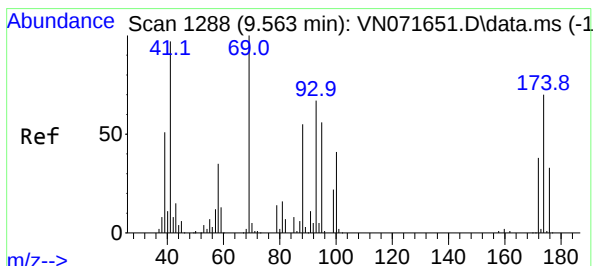
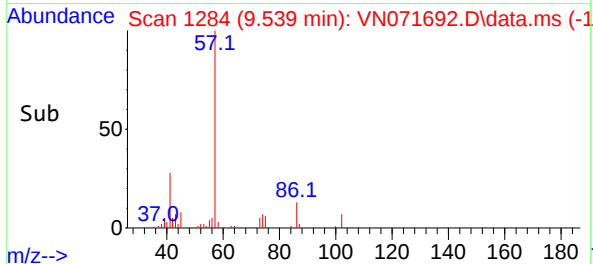
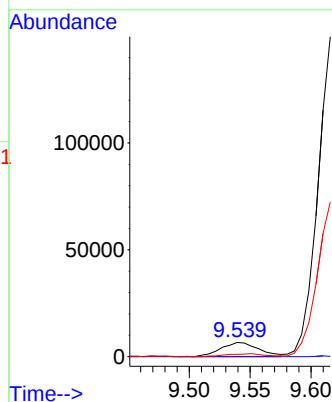
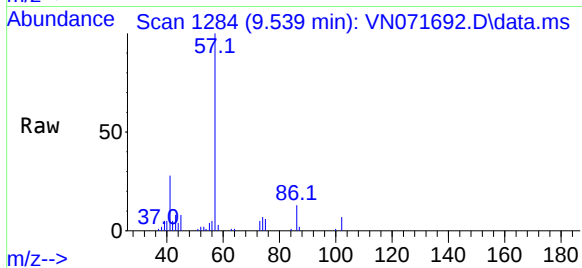
Tgt Ion: 41 Resp: 14476

Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 0.0 45.6 68.4#



#49

1,4-Dioxane

Concen: Below Cal

RT: 9.622 min Scan# 1298

Delta R.T. 0.059 min

Lab File: VN071692.D

Acq: 31 Mar 2022 05:21

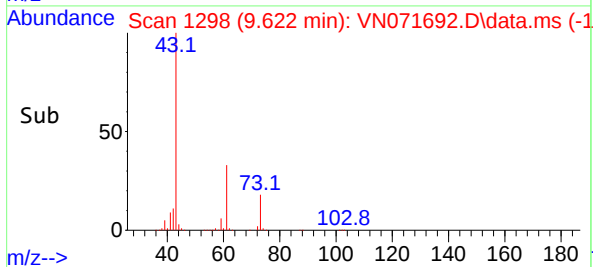
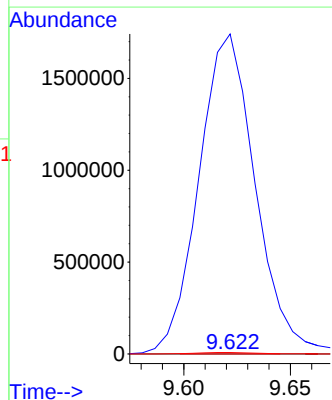
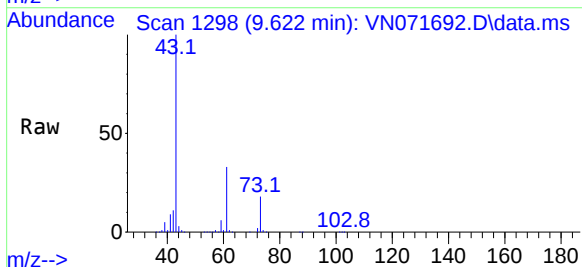
Tgt Ion: 88 Resp: 505

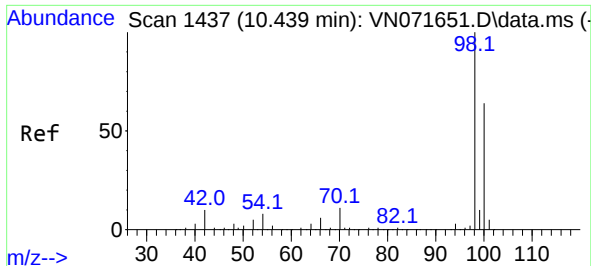
Ion Ratio Lower Upper

88 100

43 648039.8 20.2 30.4#

58 3151.1 54.2 81.4#

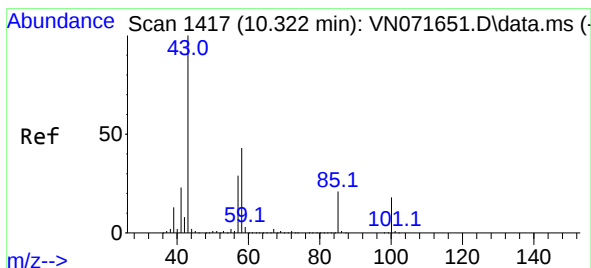
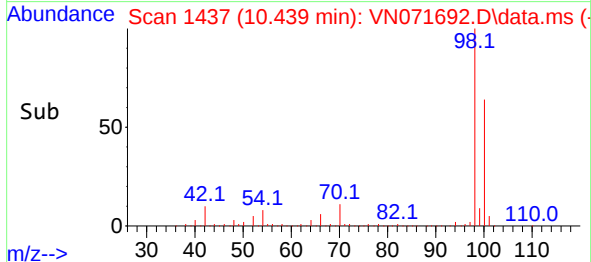
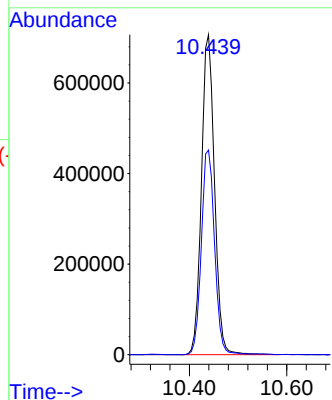
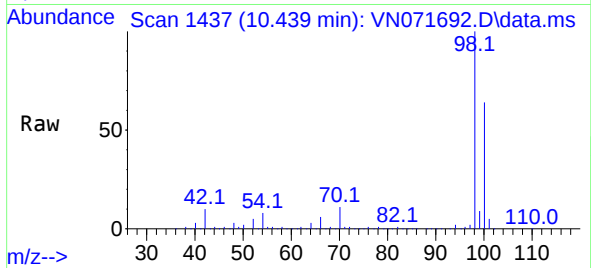




#50
Toluene-d8
Concen: 53.285 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071692.D
Acq: 31 Mar 2022 05:21

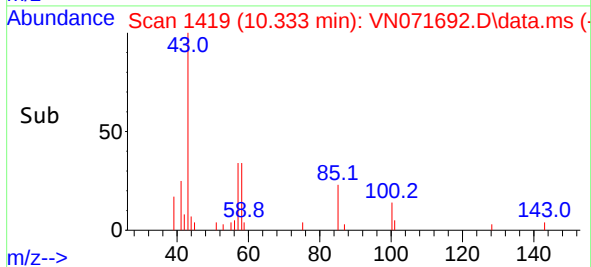
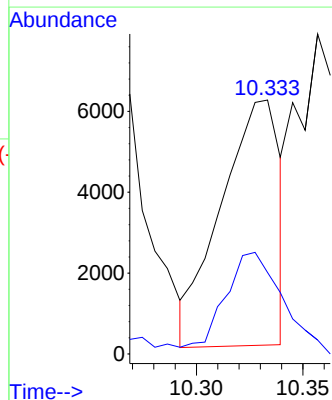
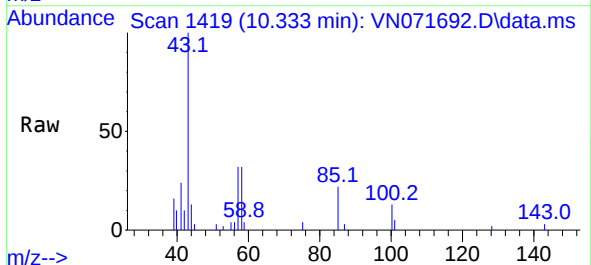
Instrument :
MSVOA_N
ClientSampleId :
PB143736TB

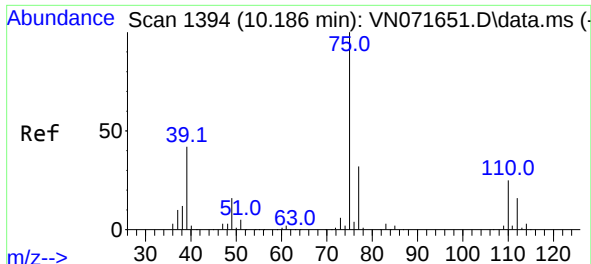
Tgt Ion: 98 Resp: 1314041
Ion Ratio Lower Upper
98 100
100 65.1 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.325 ug/l
RT: 10.333 min Scan# 1419
Delta R.T. 0.011 min
Lab File: VN071692.D
Acq: 31 Mar 2022 05:21

Tgt Ion: 43 Resp: 11675
Ion Ratio Lower Upper
43 100
58 41.6 34.1 51.1

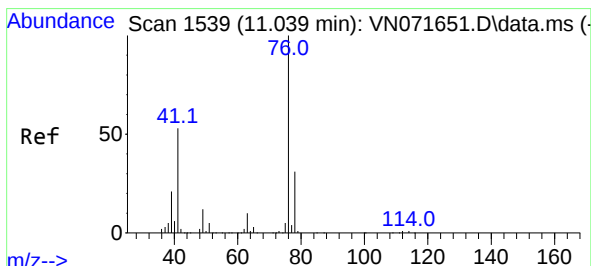
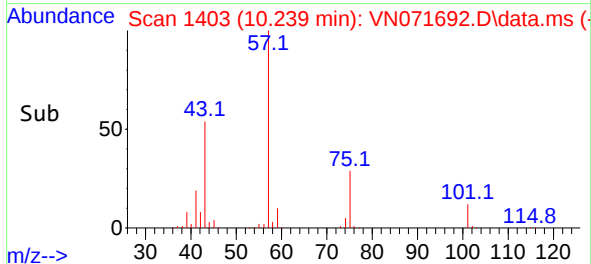
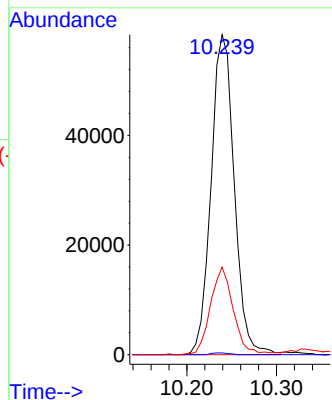
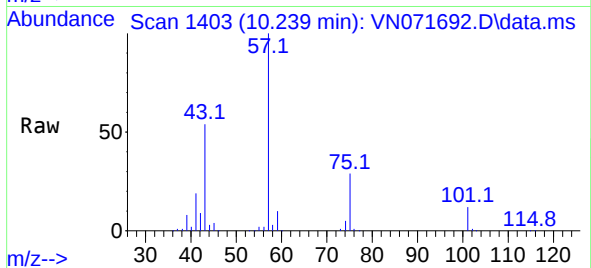




#54
cis-1,3-Dichloropropene
Concen: 10.186 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.053 min
Lab File: VN071692.D
Acq: 31 Mar 2022 05:21

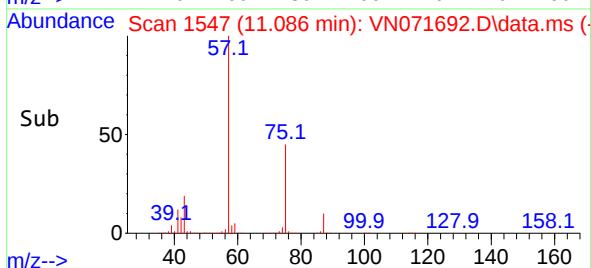
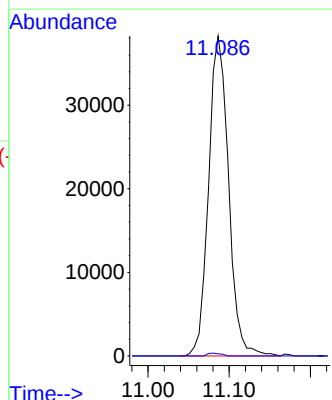
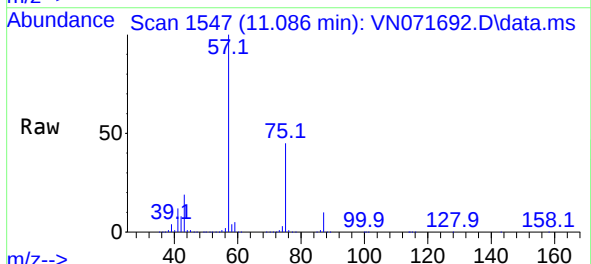
Instrument :
MSVOA_N
ClientSampleId :
PB143736TB

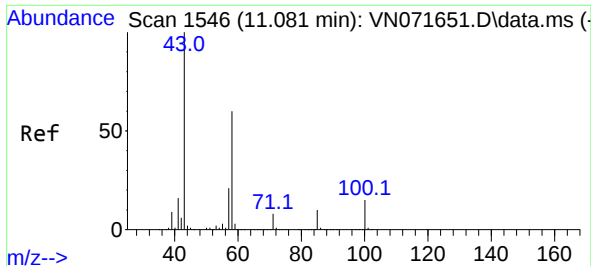
Tgt Ion: 75 Resp: 104735
Ion Ratio Lower Upper
75 100
77 0.6 25.2 37.8#
39 27.4 35.7 53.5#



#57
1,3-Dichloropropane
Concen: 5.649 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.047 min
Lab File: VN071692.D
Acq: 31 Mar 2022 05:21

Tgt Ion: 76 Resp: 65350
Ion Ratio Lower Upper
76 100
78 0.6 26.2 39.2#

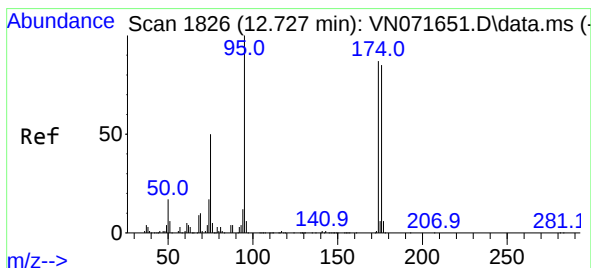
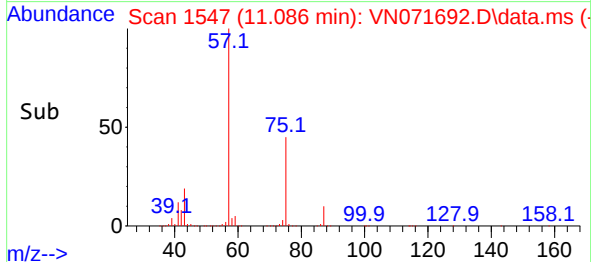
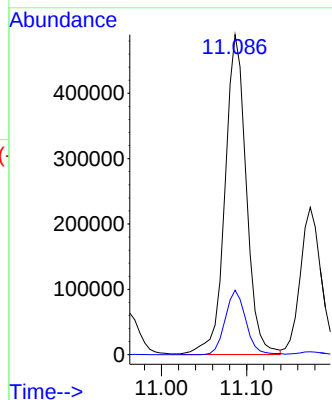
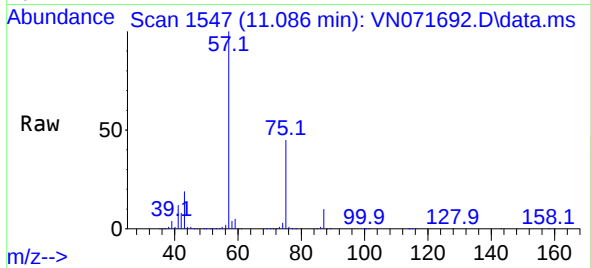




#59
2-Hexanone
Concen: 136.961 ug/l
RT: 11.086 min Scan# 1154
Delta R.T. 0.005 min
Lab File: VN071692.D
Acq: 31 Mar 2022 05:21

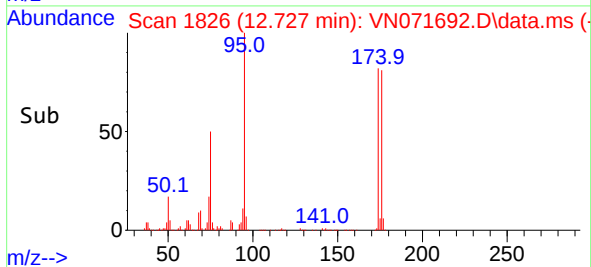
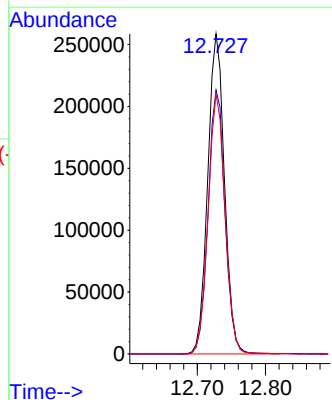
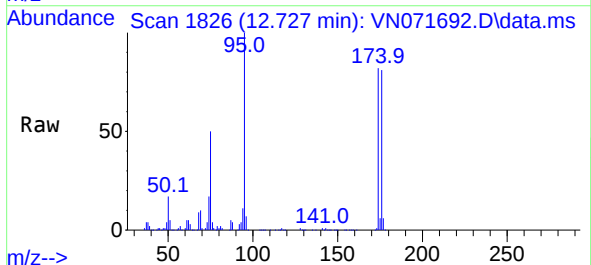
Instrument :
MSVOA_N
ClientSampleId :
PB143736TB

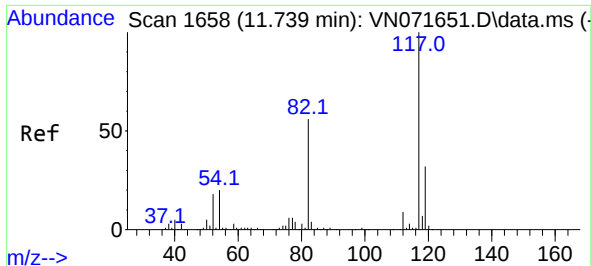
Tgt Ion: 43 Resp: 849682
Ion Ratio Lower Upper
43 100
58 19.5 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 55.395 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071692.D
Acq: 31 Mar 2022 05:21

Tgt Ion: 95 Resp: 441810
Ion Ratio Lower Upper
95 100
174 83.3 0.0 167.6
176 81.4 0.0 163.4

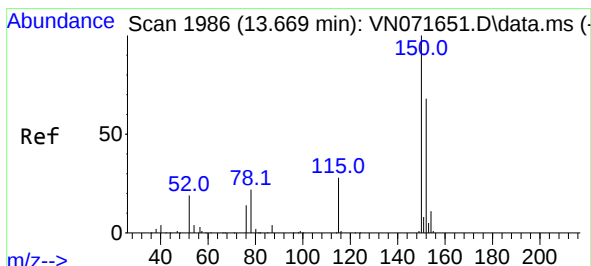
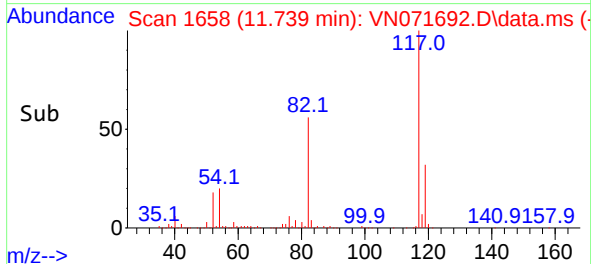
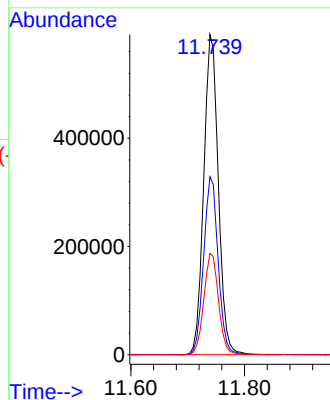
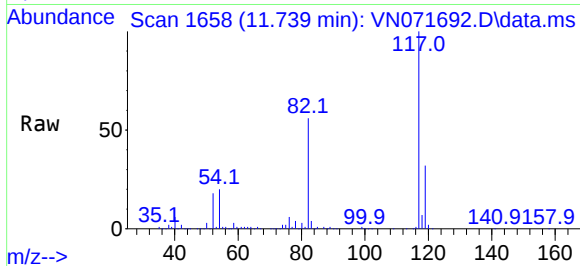




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN071692.D
Acq: 31 Mar 2022 05:21

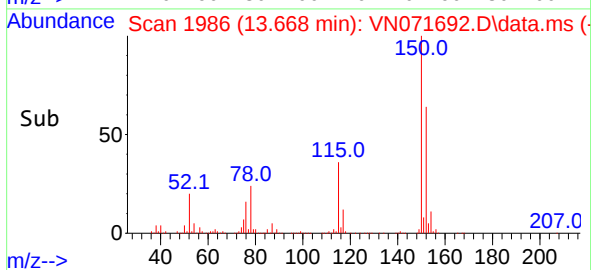
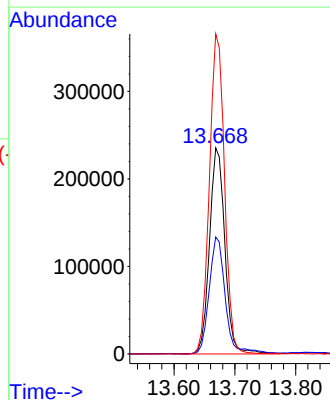
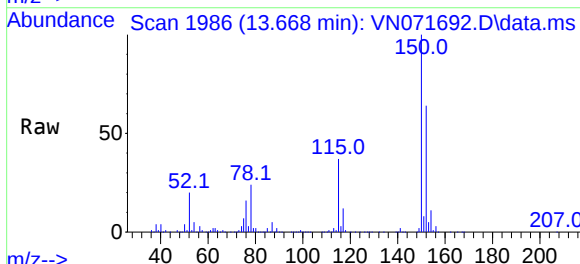
Instrument :
MSVOA_N
ClientSampleId :
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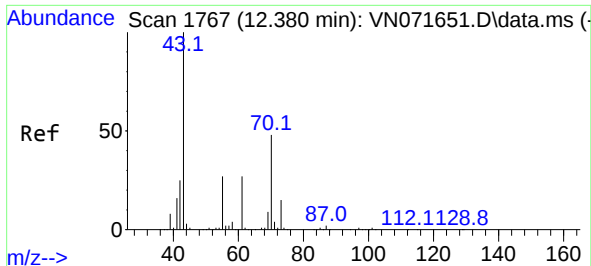
Tgt Ion:117 Resp: 1052057
Ion Ratio Lower Upper
117 100
82 55.6 44.2 66.2
119 31.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN071692.D
Acq: 31 Mar 2022 05:21

Tgt Ion:152 Resp: 415862
Ion Ratio Lower Upper
152 100
115 59.1 28.9 86.7
150 151.5 0.0 356.2

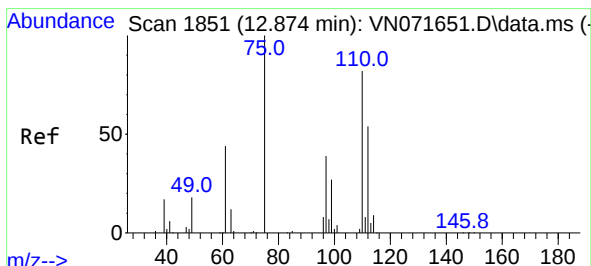
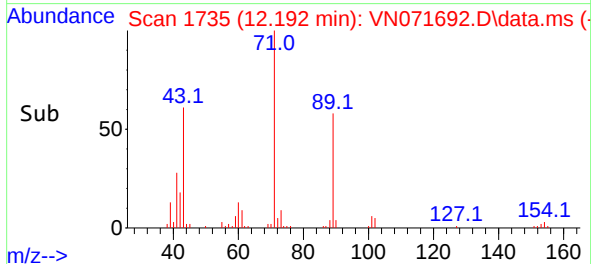
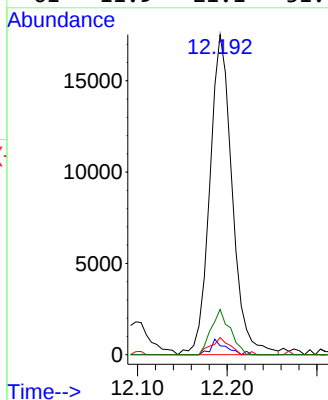
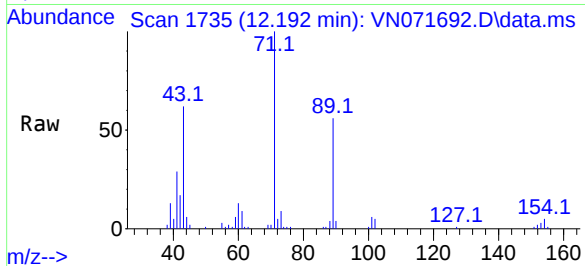




#74
N-amy1 acetate
Concen: 3.036 ug/l
RT: 12.192 min Scan# 11
Delta R.T. -0.188 min
Lab File: VN071692.D
Acq: 31 Mar 2022 05:21

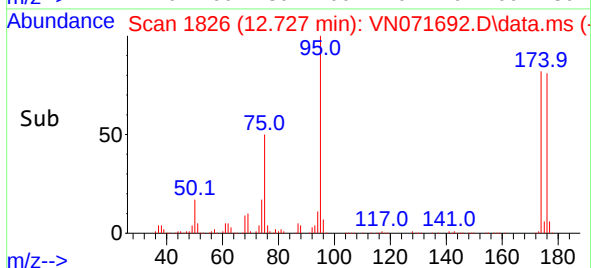
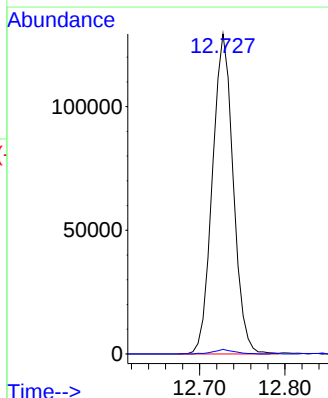
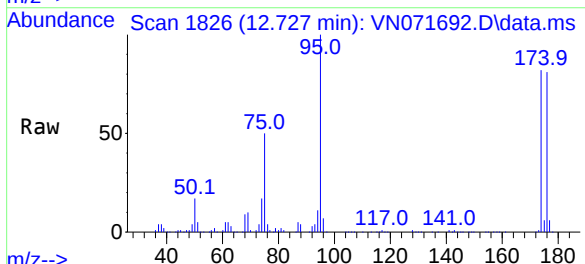
Instrument :
MSVOA_N
ClientSampleId :
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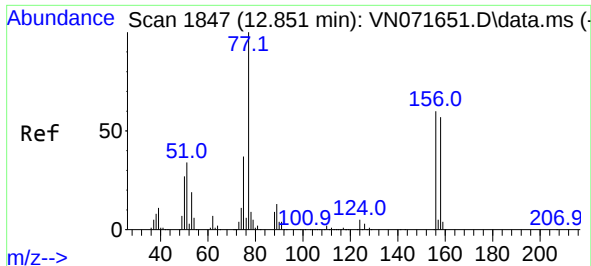
Tgt Ion: 43 Resp: 30480
Ion Ratio Lower Upper
43 100
70 3.3 39.0 58.4#
55 4.3 21.1 31.7#
61 11.9 21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 22.816 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071692.D
Acq: 31 Mar 2022 05:21

Tgt Ion: 75 Resp: 219808
Ion Ratio Lower Upper
75 100
77 1.4 98.5 295.5#

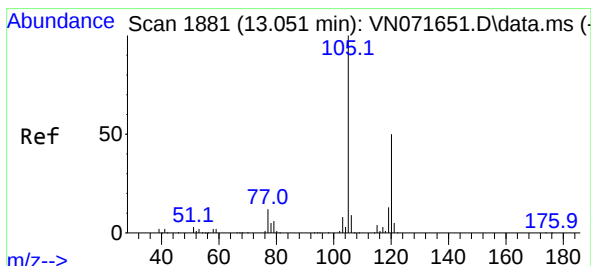
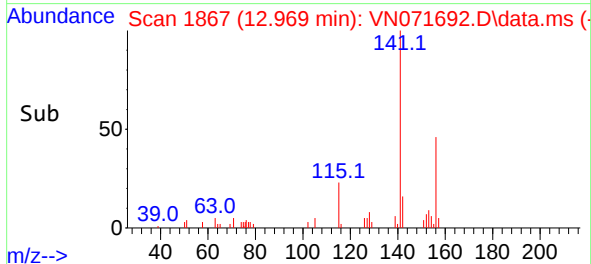
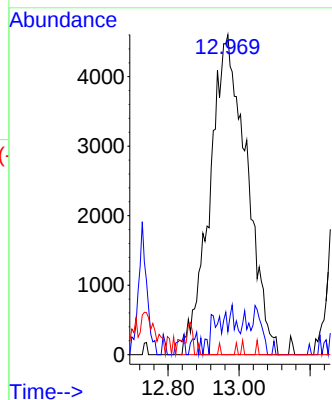
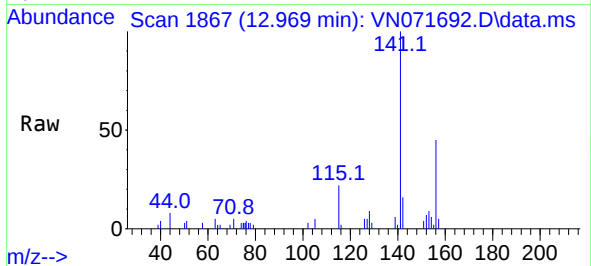




#77
Bromobenzene
Concen: 3.764 ug/l
RT: 12.969 min Scan# 1867
Delta R.T. 0.118 min
Lab File: VN071692.D
Acq: 31 Mar 2022 05:21

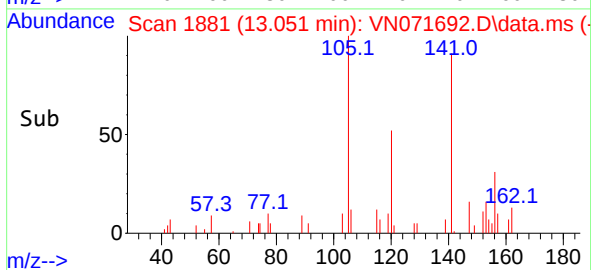
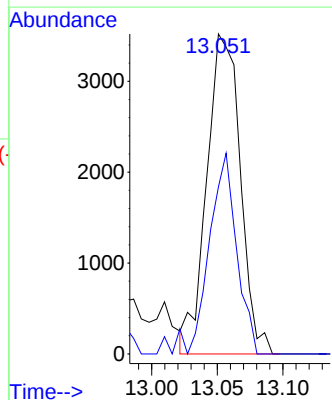
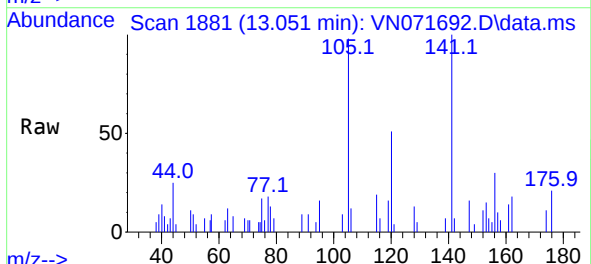
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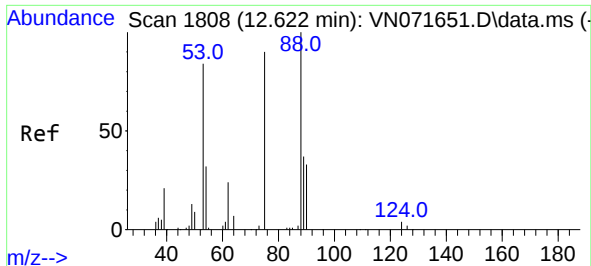
Tgt Ion:156 Resp: 33062
Ion Ratio Lower Upper
156 100
77 1.5 100.5 301.5#
158 0.0 48.9 146.6#



#80
1,3,5-Trimethylbenzene
Concen: 0.226 ug/l
RT: 13.051 min Scan# 1881
Delta R.T. -0.000 min
Lab File: VN071692.D
Acq: 31 Mar 2022 05:21

Tgt Ion:105 Resp: 6266
Ion Ratio Lower Upper
105 100
120 51.5 24.9 74.7

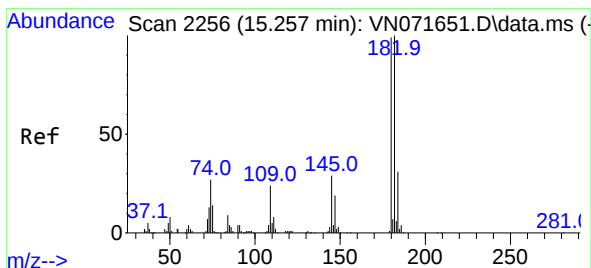
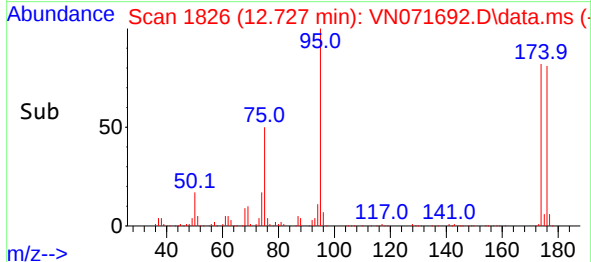
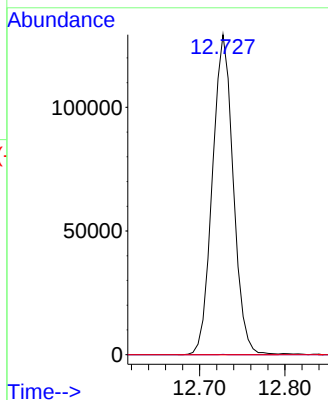
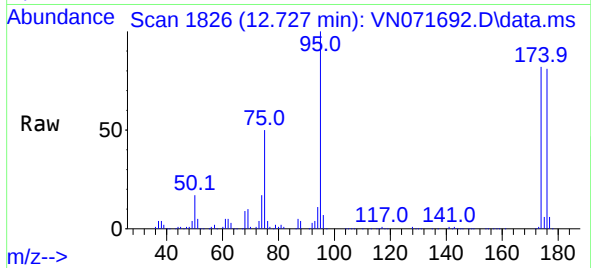




#81
trans-1,4-Dichloro-2-butene
Concen: 70.707 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN071692.D
Acq: 31 Mar 2022 05:21

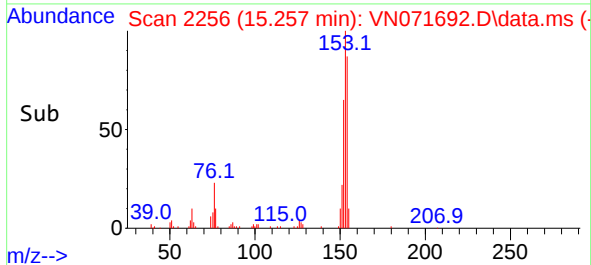
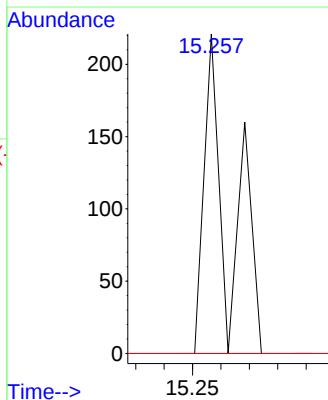
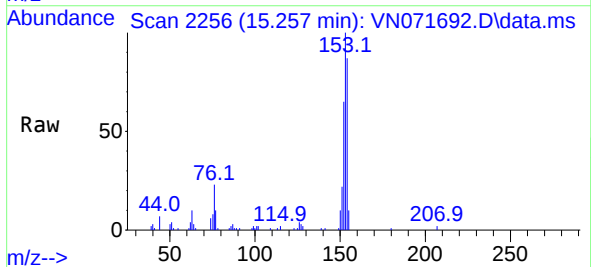
Instrument :
MSVOA_N
ClientSampleId :
PB143736TB

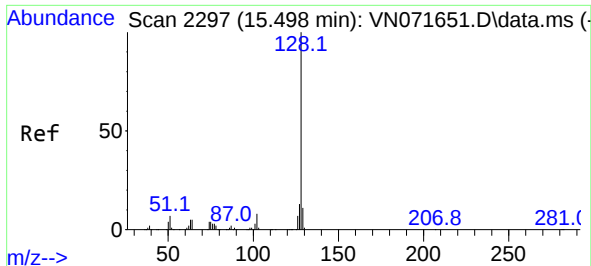
Tgt Ion: 75 Resp: 219808
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.105 ug/l
RT: 15.257 min Scan# 2256
Delta R.T. -0.000 min
Lab File: VN071692.D
Acq: 31 Mar 2022 05:21

Tgt Ion:180 Resp: 134
Ion Ratio Lower Upper
180 100
182 0.0 47.5 142.5#
145 0.0 14.5 43.5#



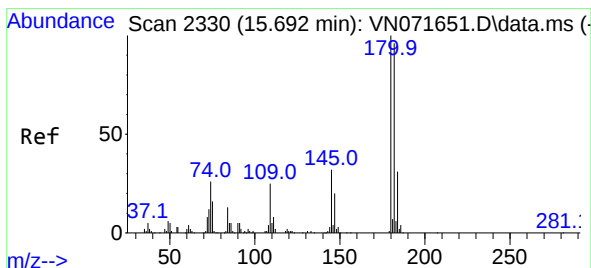
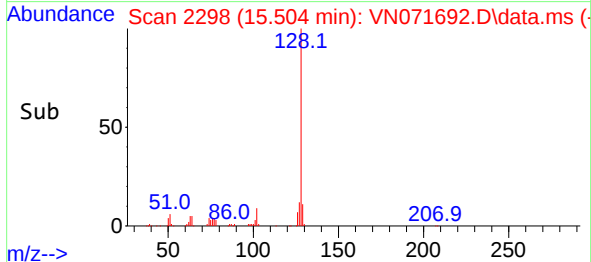
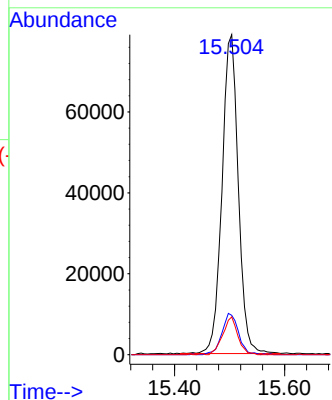
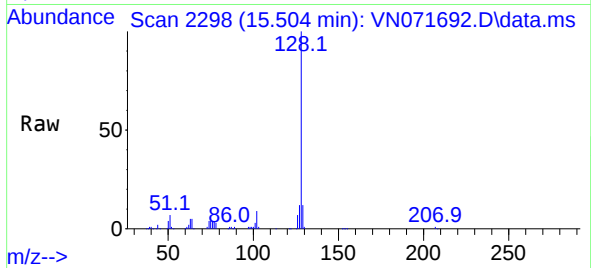


#95
Naphthalene
Concen: 11.708 ug/l
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN071692.D
Acq: 31 Mar 2022 05:21

Instrument :
MSVOA_N
ClientSampleId :
PB143736TB

Tgt Ion:128 Resp: 162025

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	11.0	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 2.439 ug/l
RT: 15.686 min Scan# 2329
Delta R.T. -0.006 min
Lab File: VN071692.D
Acq: 31 Mar 2022 05:21

Tgt Ion:180 Resp: 170

Ion	Ratio	Lower	Upper
180	100		
182	57.1	47.8	143.3
145	40.6	15.5	46.5

