

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030122\
 Data File : VN071130.D
 Acq On : 01 Mar 2022 19:48
 Operator : JC\MD
 Sample : PB143000TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB143000TB

Quant Time: Mar 02 03:33:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 21 07:57:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	857000	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1383363	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1265036	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	439583	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	520538	53.172	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	106.340%
35) Dibromofluoromethane	8.022	113	403114	48.991	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.980%
50) Toluene-d8	10.439	98	1715248	51.908	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	103.820%
62) 4-Bromofluorobenzene	12.727	95	604026	51.139	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	102.280%

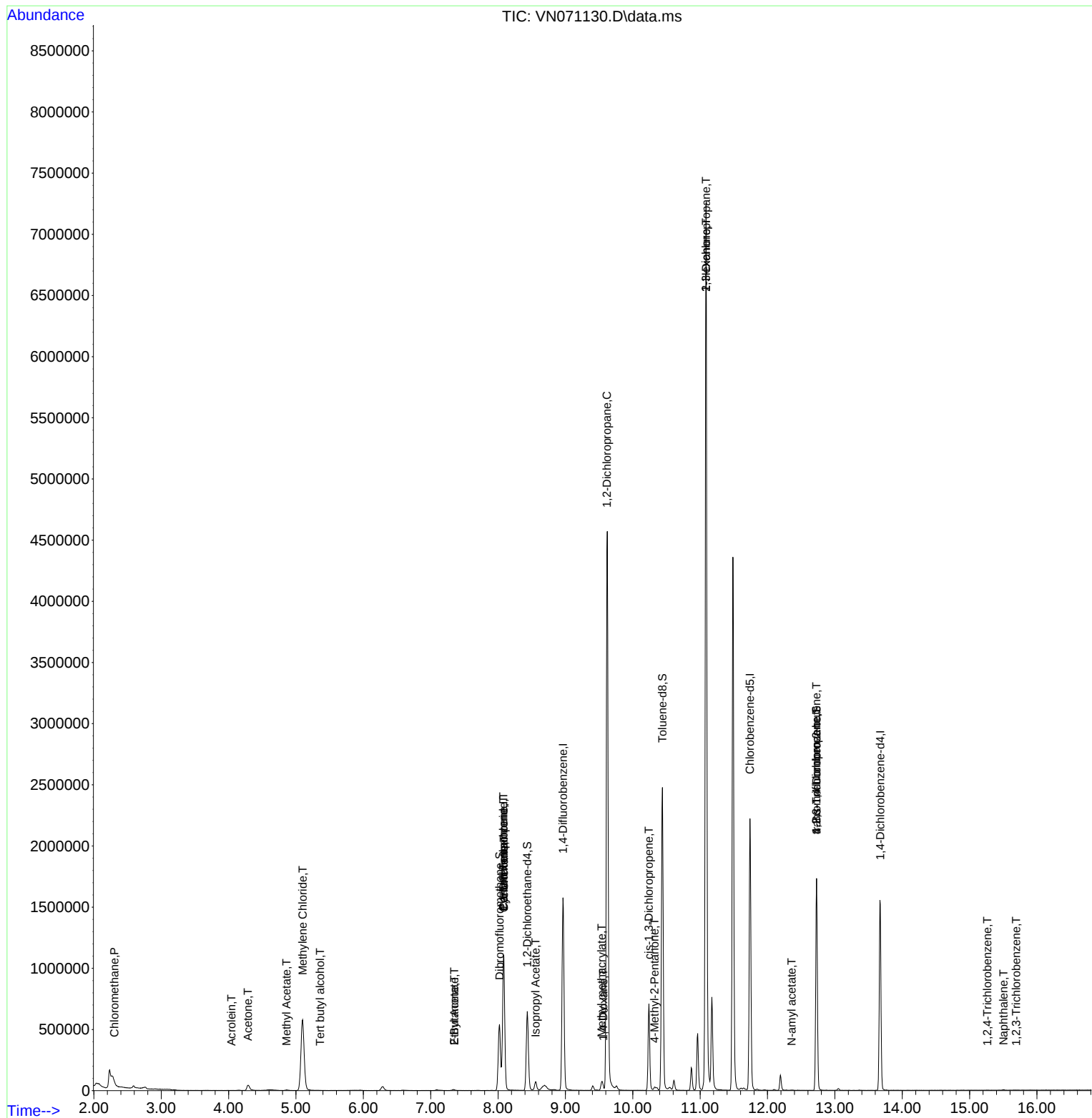
Target Compounds					Qvalue	
3) Chloromethane	2.305	50	3979	0.356	ug/l #	83
11) Tert butyl alcohol	5.357	59	1159	0.650	ug/l #	71
13) Acrolein	4.040	56	581	0.364	ug/l #	26
16) Acetone	4.287	43	84778	15.725	ug/l	99
18) Methyl Acetate	4.857	43	11628	0.387	ug/l #	80
20) Methylene Chloride	5.098	84	466862	47.647	ug/l	92
25) 2-Butanone	7.351	43	15665	2.184	ug/l #	76
31) Cyclohexane	8.087	56	16906	0.999	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	66660	4.945	ug/l #	48
37) Ethyl Acetate	7.351	43	15665	1.084	ug/l #	68
38) Carbon Tetrachloride	8.081	117	82491	6.211	ug/l #	16
43) Isopropyl Acetate	8.557	43	79839	3.503	ug/l #	91
45) 1,2-Dichloropropane	9.616	63	5677	0.556	ug/l #	44
48) Methyl methacrylate	9.539	41	21728	2.014	ug/l #	8
49) 1,4-Dioxane	9.563	88	53	0.277	ug/l #	1
51) 4-Methyl-2-Pentanone	10.322	43	17287	1.247	ug/l	91
54) cis-1,3-Dichloropropene	10.239	75	122589	7.557	ug/l #	61
57) 1,3-Dichloropropane	11.086	76	78147	4.606	ug/l #	43
59) 2-Hexanone	11.086	43	1173790	123.095	ug/l #	49
74) N-amyl acetate	12.357	43	2989	0.264	ug/l #	43
76) 1,2,3-Trichloropropane	12.727	75	309753	29.928	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	309753	96.980	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.263	180	203	2.023	ug/l #	12
95) Naphthalene	15.504	128	3837	5.165	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.692	180	319	2.557	ug/l #	12

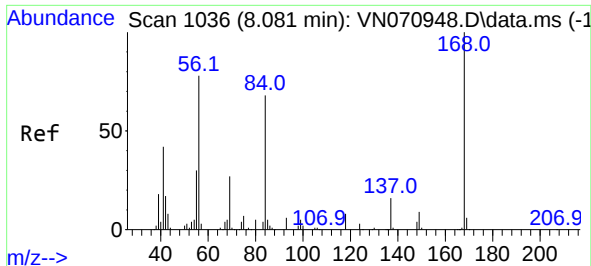
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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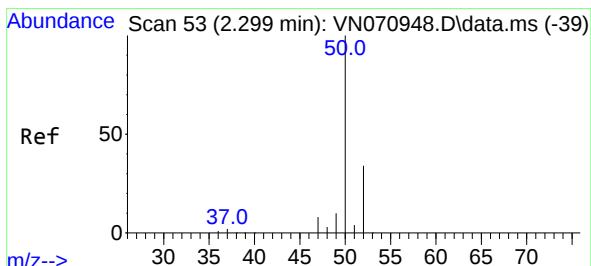
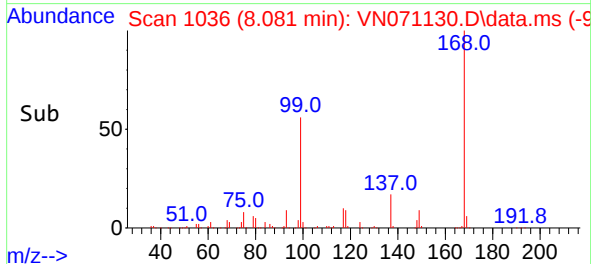
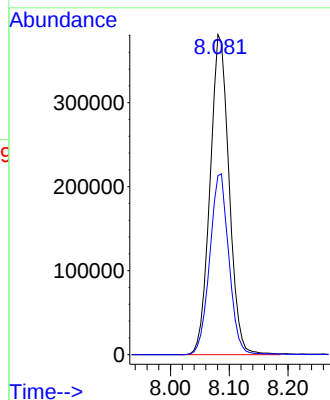
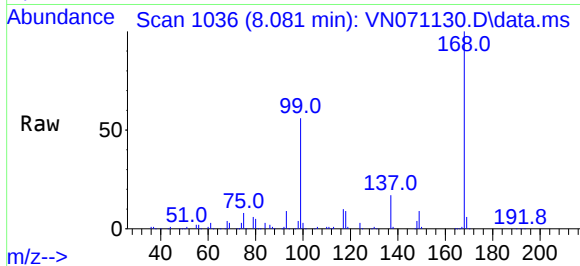




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN071130.D
Acq: 01 Mar 2022 19:48

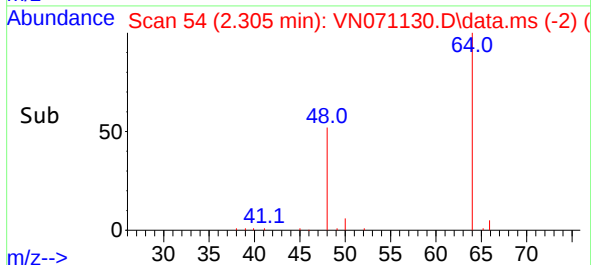
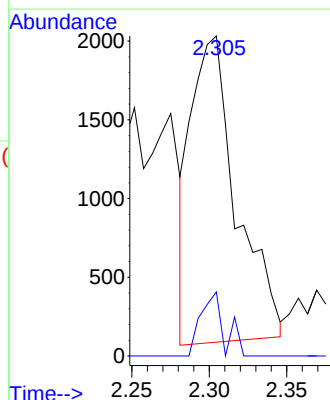
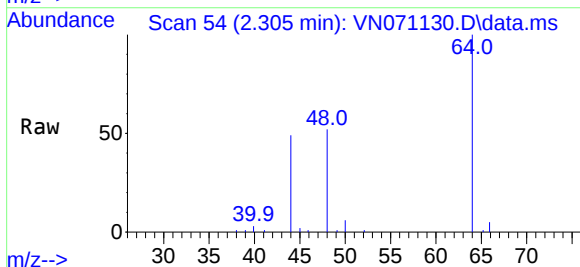
Instrument :
MSVOA_N
ClientSampleId :
PB143000TB

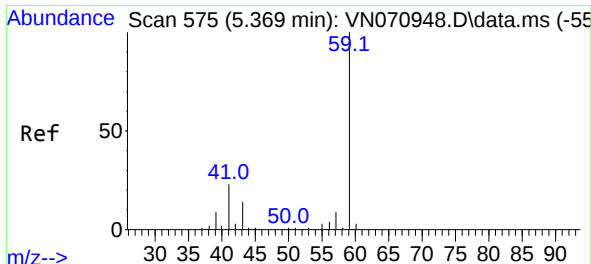
Tgt Ion:168 Resp: 857000
Ion Ratio Lower Upper
168 100
99 56.0 41.3 61.9



#3
Chloromethane
Concen: 0.356 ug/l
RT: 2.305 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN071130.D
Acq: 01 Mar 2022 19:48

Tgt Ion: 50 Resp: 3979
Ion Ratio Lower Upper
50 100
52 22.4 25.4 38.0#





#11

Tert butyl alcohol

Concen: 0.650 ug/l

RT: 5.357 min Scan# 51

Delta R.T. -0.012 min

Lab File: VN071130.D

Acq: 01 Mar 2022 19:48

Instrument :

MSVOA_N

ClientSampleId :

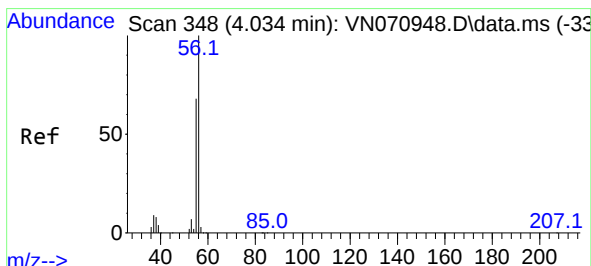
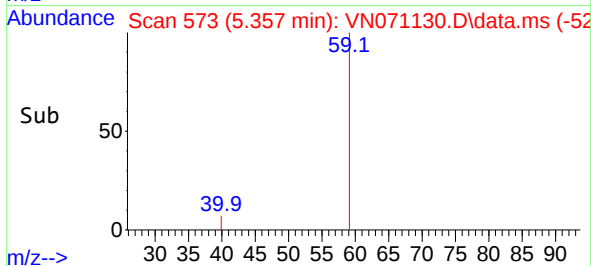
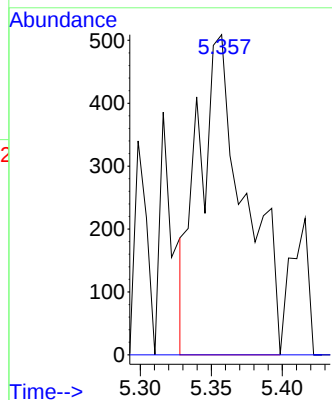
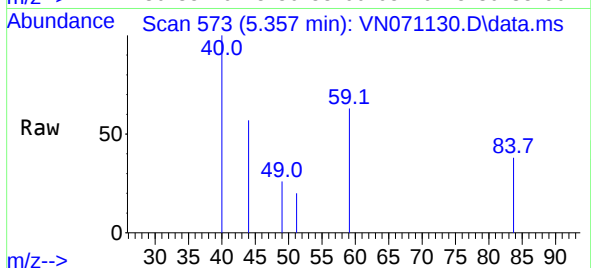
PB143000TB

Tgt Ion: 59 Resp: 1159

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



#13

Acrolein

Concen: 0.364 ug/l

RT: 4.040 min Scan# 349

Delta R.T. 0.006 min

Lab File: VN071130.D

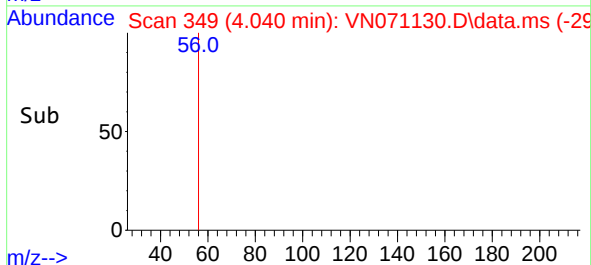
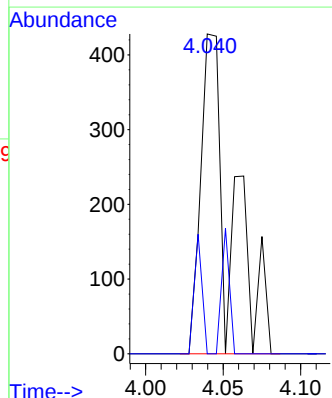
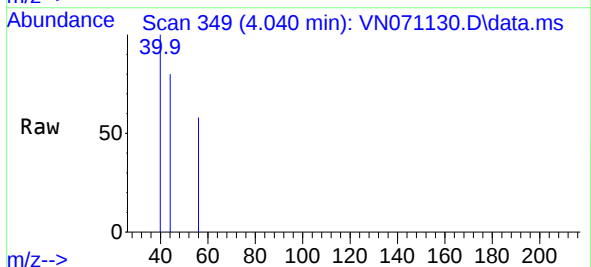
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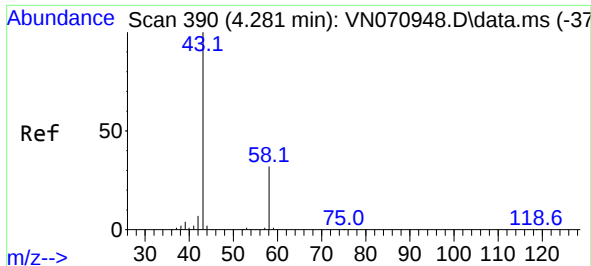
Tgt Ion: 56 Resp: 581

Ion Ratio Lower Upper

56 100

55 9.6 56.6 85.0#

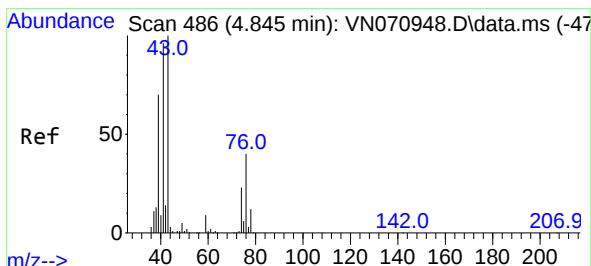
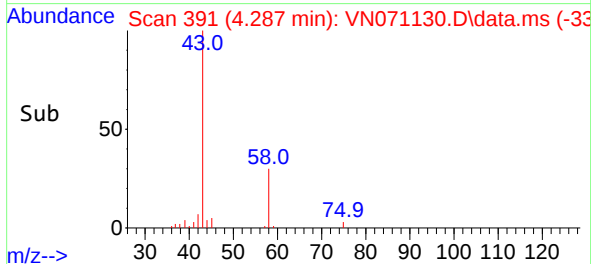
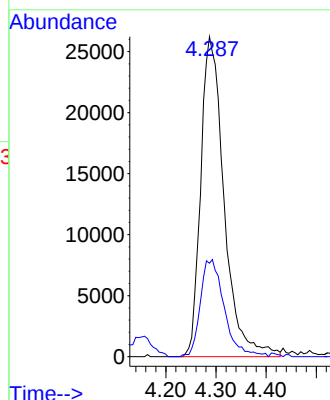
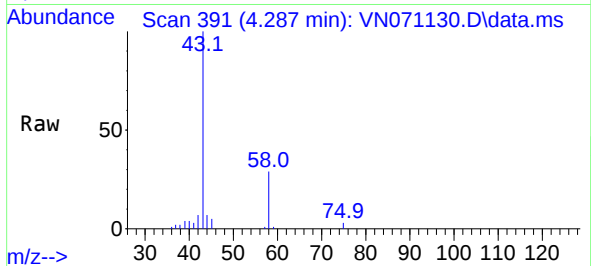




#16
Acetone
Concen: 15.725 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN071130.D
Acq: 01 Mar 2022 19:48

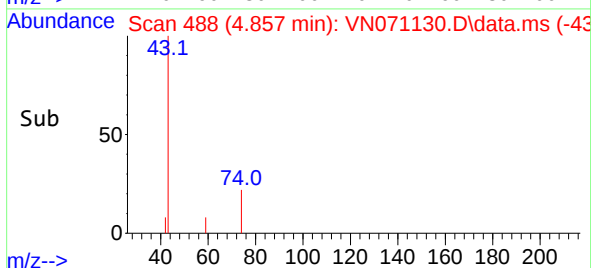
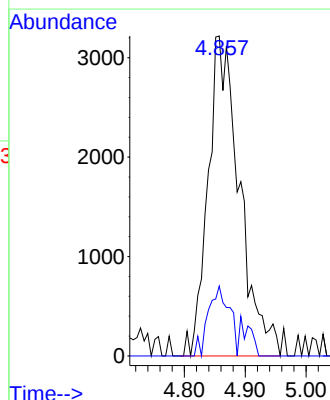
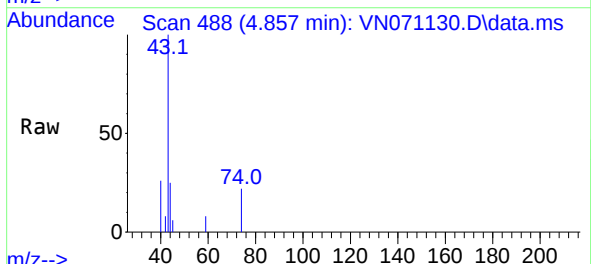
Instrument :
MSVOA_N
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PB143000TB

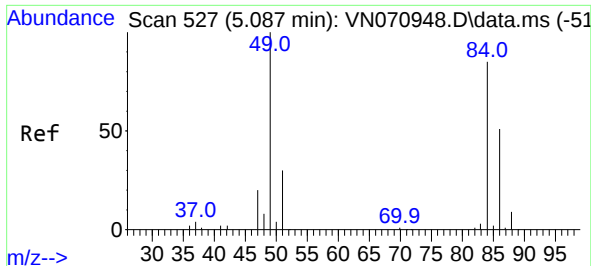
Tgt Ion: 43 Resp: 84778
Ion Ratio Lower Upper
43 100
58 29.2 23.1 34.7



#18
Methyl Acetate
Concen: 0.387 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.012 min
Lab File: VN071130.D
Acq: 01 Mar 2022 19:48

Tgt Ion: 43 Resp: 11628
Ion Ratio Lower Upper
43 100
74 14.5 19.4 29.2#



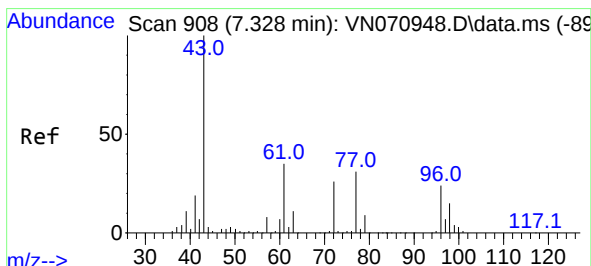
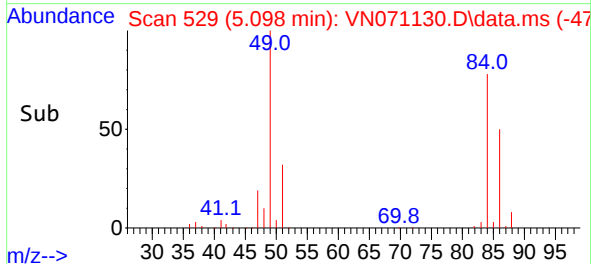
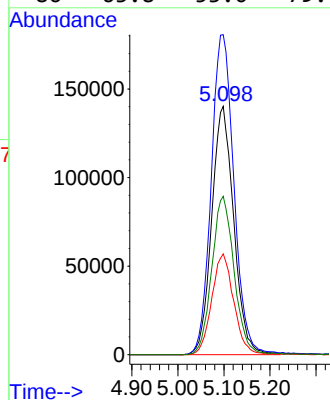
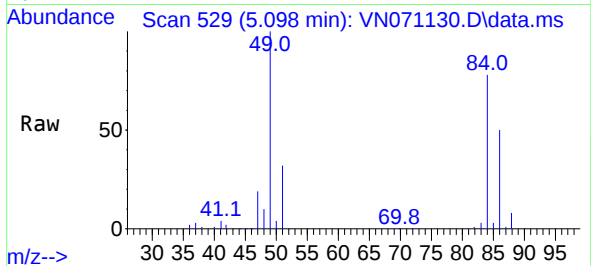


#20
Methylene Chloride
Concen: 47.647 ug/l
RT: 5.098 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN071130.D
Acq: 01 Mar 2022 19:48

Instrument :
MSVOA_N
ClientSampleId :
PB143000TB

Tgt Ion: 84 Resp: 466862

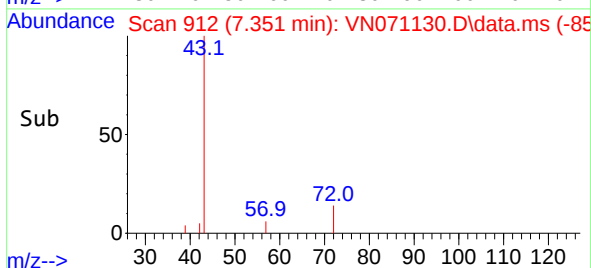
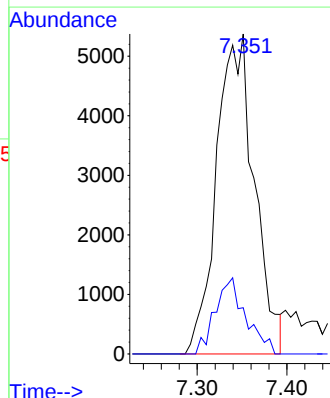
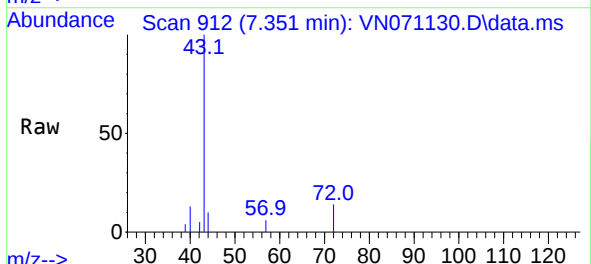
Ion	Ratio	Lower	Upper
84	100		
49	128.8	93.5	140.3
51	40.6	29.4	44.2
86	63.8	53.0	79.4

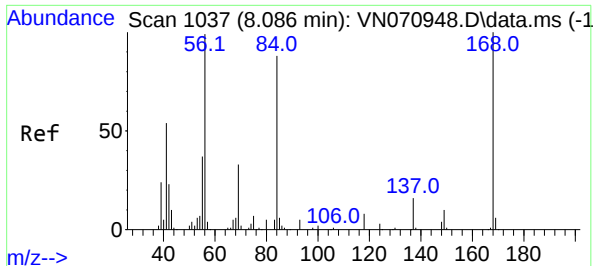


#25
2-Butanone
Concen: 2.184 ug/l
RT: 7.351 min Scan# 912
Delta R.T. 0.024 min
Lab File: VN071130.D
Acq: 01 Mar 2022 19:48

Tgt Ion: 43 Resp: 15665

Ion	Ratio	Lower	Upper
43	100		
72	14.5	21.7	32.5

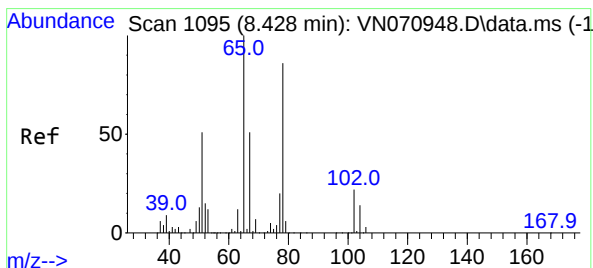
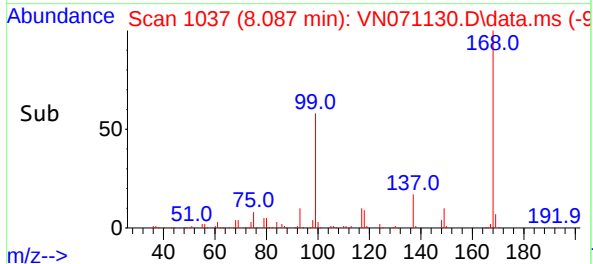
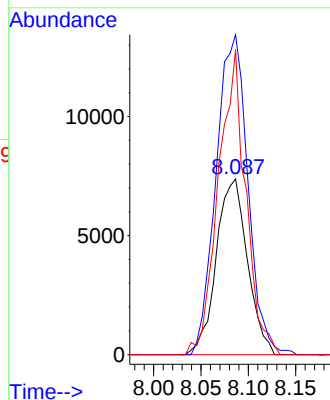
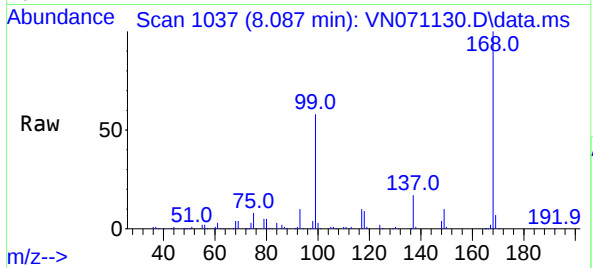




#31
Cyclohexane
Concen: 0.999 ug/l
RT: 8.087 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VN071130.D
Acq: 01 Mar 2022 19:48

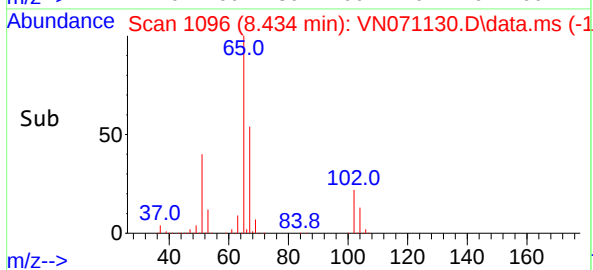
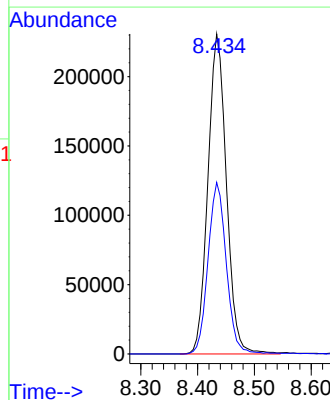
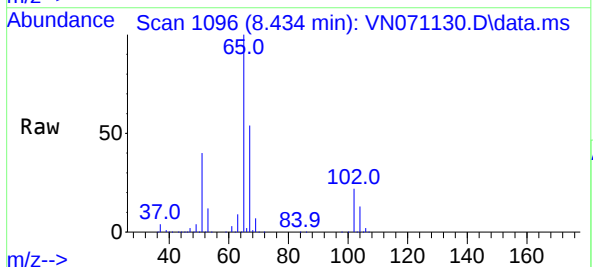
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MSVOA_N
ClientSampleId :
PB143000TB

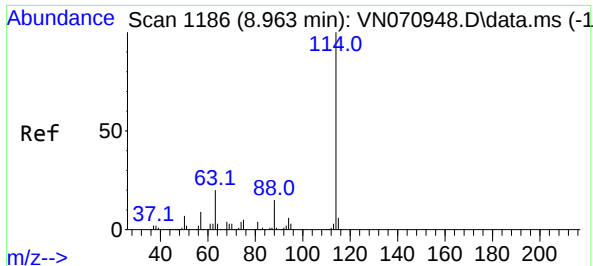
Tgt Ion: 56 Resp: 16906
Ion Ratio Lower Upper
56 100
69 182.1 27.1 40.7#
84 173.7 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 53.172 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. 0.006 min
Lab File: VN071130.D
Acq: 01 Mar 2022 19:48

Tgt Ion: 65 Resp: 520538
Ion Ratio Lower Upper
65 100
67 53.0 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. 0.000 min

Lab File: VN071130.D

Acq: 01 Mar 2022 19:48

Instrument :

MSVOA_N

ClientSampleId :

PB143000TB

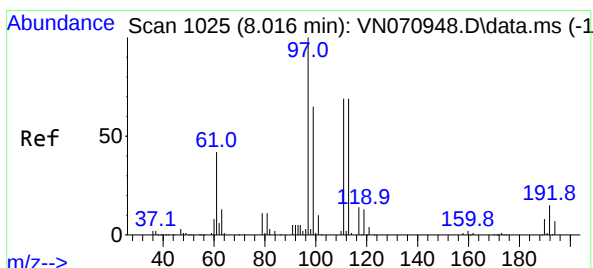
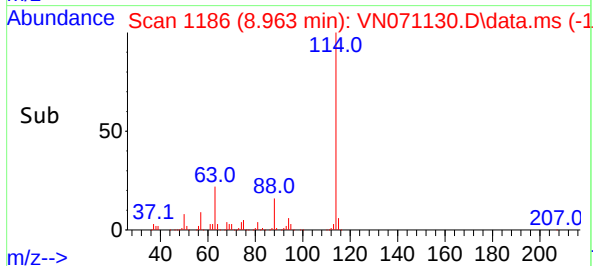
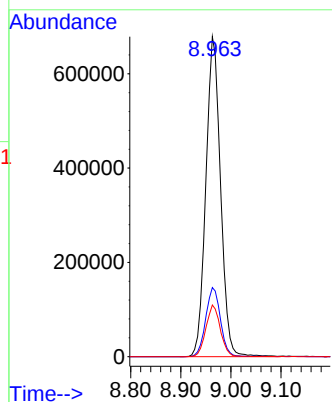
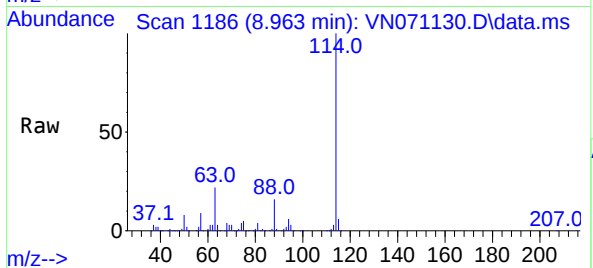
Tgt Ion:114 Resp: 1383363

Ion Ratio Lower Upper

114 100

63 21.6 0.0 37.8

88 16.1 0.0 27.4



#35

Dibromofluoromethane

Concen: 48.991 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN071130.D

Acq: 01 Mar 2022 19:48

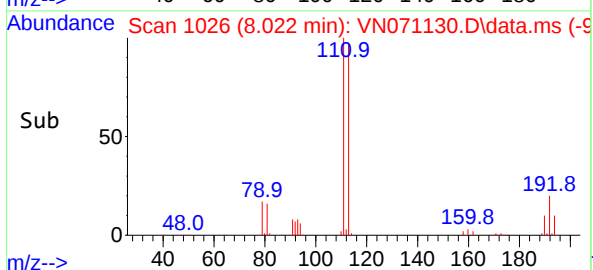
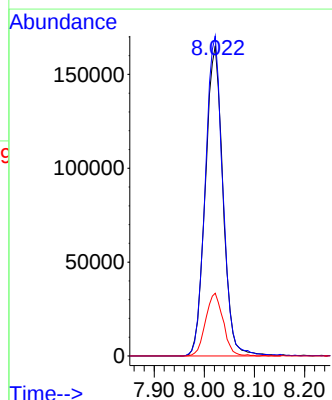
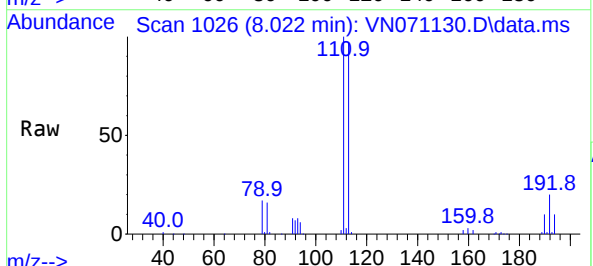
Tgt Ion:113 Resp: 403114

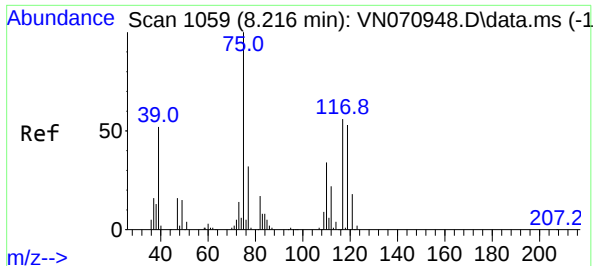
Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.2

192 20.2 16.9 25.3

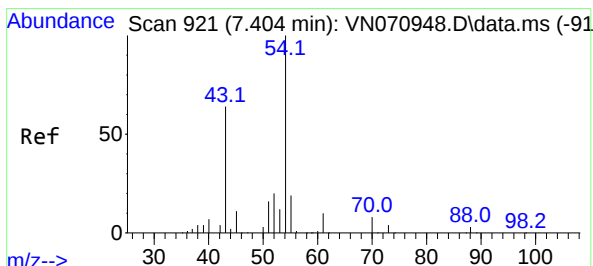
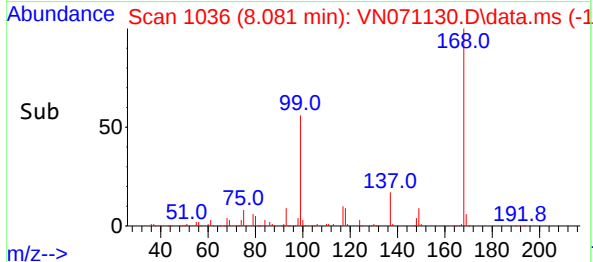
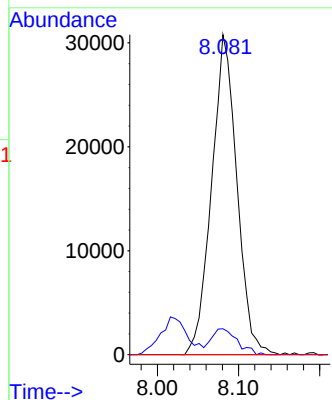
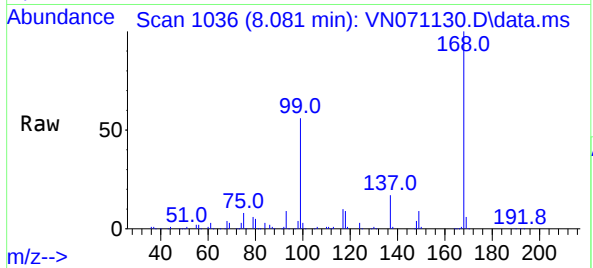




#36
1,1-Dichloropropene
Concen: 4.945 ug/l
RT: 8.081 min Scan# 1059
Delta R.T. -0.135 min
Lab File: VN071130.D
Acq: 01 Mar 2022 19:48

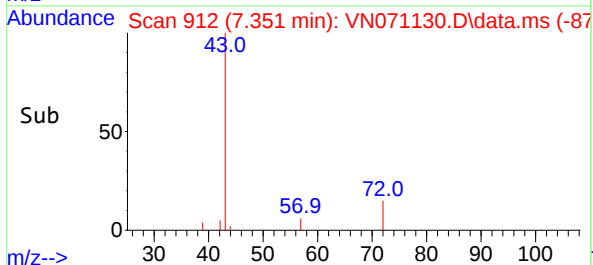
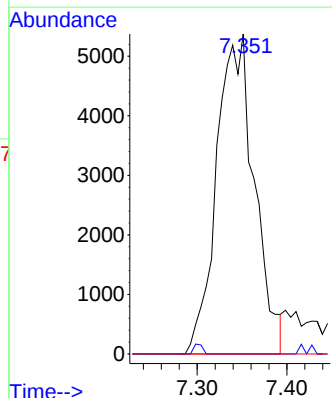
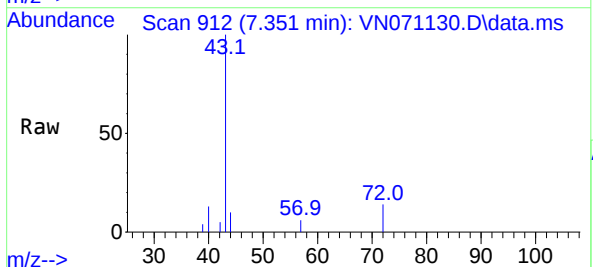
Instrument :
MSVOA_N
ClientSampleId :
PB143000TB

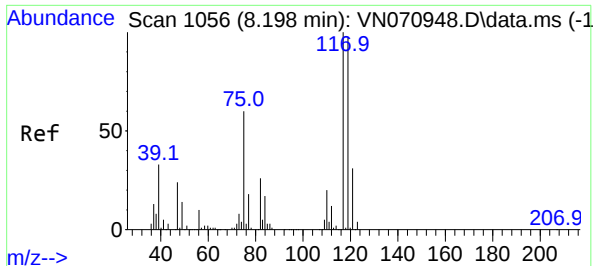
Tgt Ion: 75 Resp: 66660
Ion Ratio Lower Upper
75 100
110 8.2 18.4 55.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.084 ug/l
RT: 7.351 min Scan# 912
Delta R.T. -0.053 min
Lab File: VN071130.D
Acq: 01 Mar 2022 19:48

Tgt Ion: 43 Resp: 15665
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#

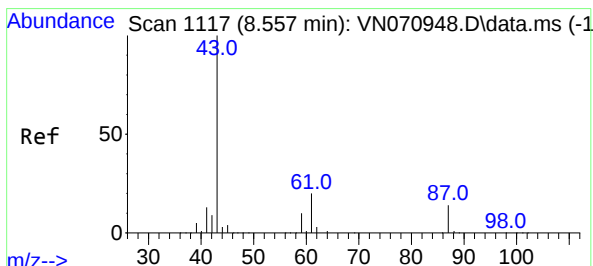
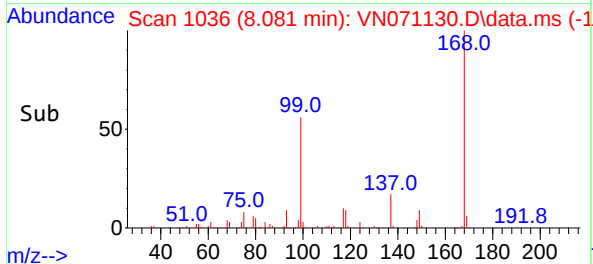
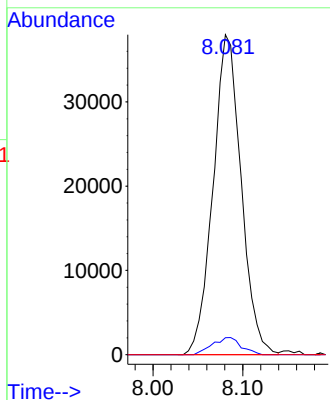
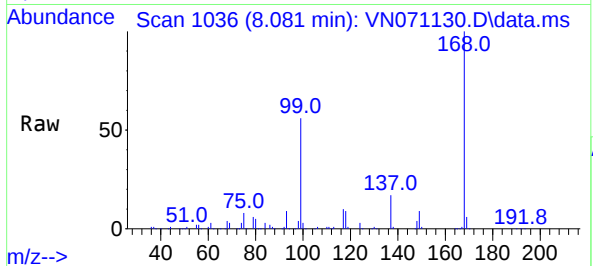




#38
Carbon Tetrachloride
Concen: 6.211 ug/l
RT: 8.081 min Scan# 11036
Delta R.T. -0.118 min
Lab File: VN071130.D
Acq: 01 Mar 2022 19:48

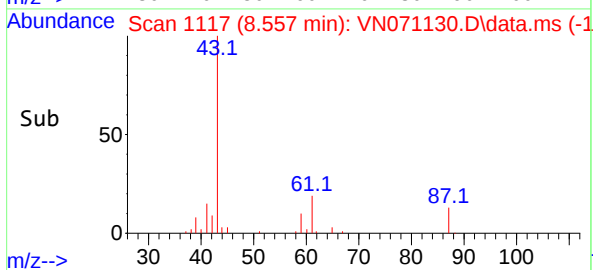
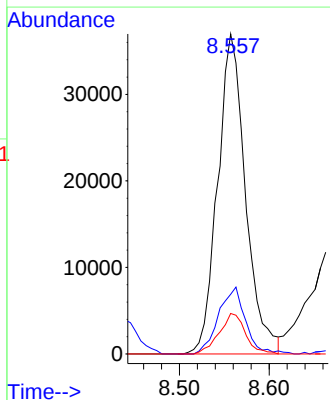
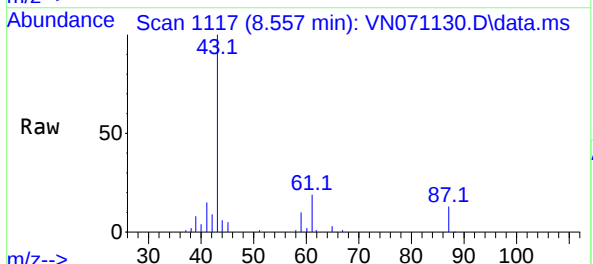
Instrument :
MSVOA_N
ClientSampleId :
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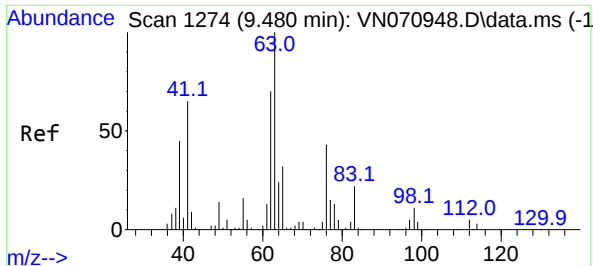
Tgt Ion:117 Resp: 82491
Ion Ratio Lower Upper
117 100
119 5.3 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.503 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VN071130.D
Acq: 01 Mar 2022 19:48

Tgt Ion: 43 Resp: 79839
Ion Ratio Lower Upper
43 100
61 20.2 20.4 30.6#
87 11.9 11.2 16.8

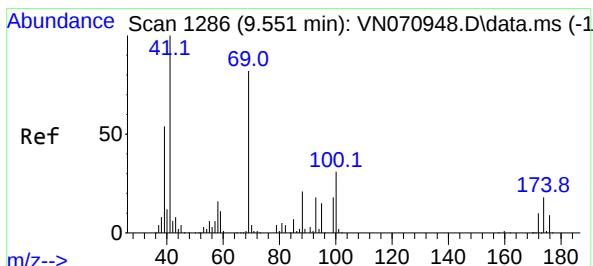
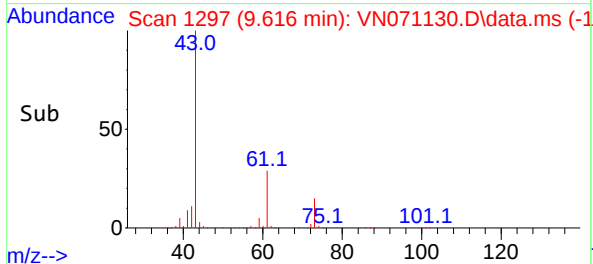
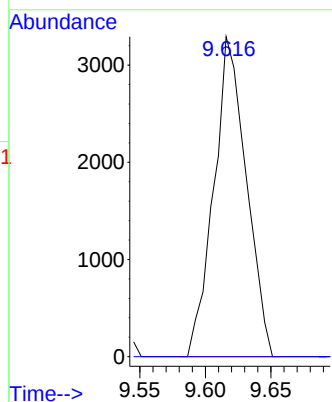
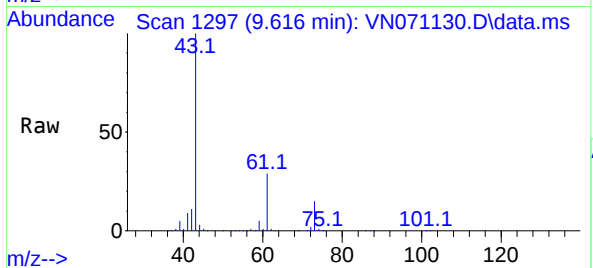




#45
1,2-Dichloropropane
Concen: 0.556 ug/l
RT: 9.616 min Scan# 11
Delta R.T. 0.135 min
Lab File: VN071130.D
Acq: 01 Mar 2022 19:48

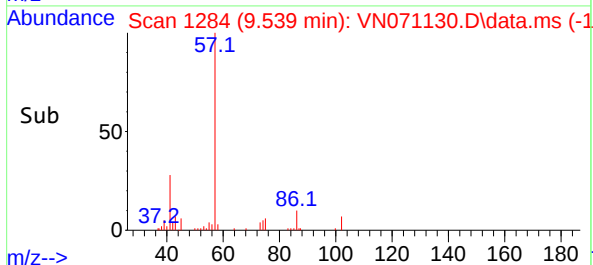
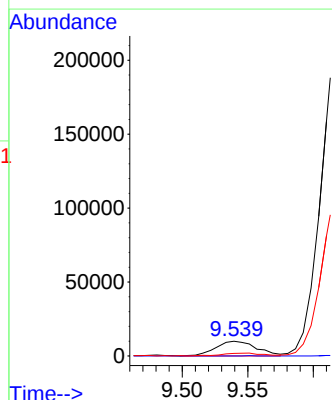
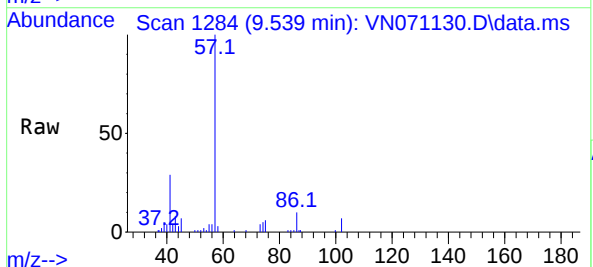
Instrument :
MSVOA_N
ClientSampleId :
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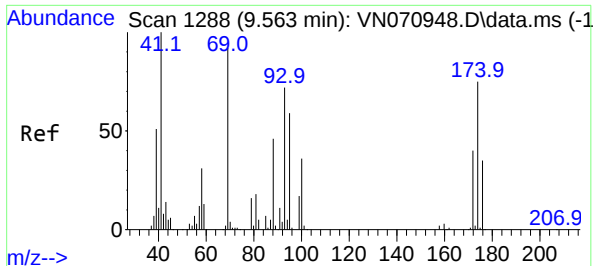
Tgt Ion: 63 Resp: 5677
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#



#48
Methyl methacrylate
Concen: 2.014 ug/l
RT: 9.539 min Scan# 1284
Delta R.T. -0.012 min
Lab File: VN071130.D
Acq: 01 Mar 2022 19:48

Tgt Ion: 41 Resp: 21728
Ion Ratio Lower Upper
41 100
69 0.3 72.4 108.6#
39 0.0 58.4 87.6#

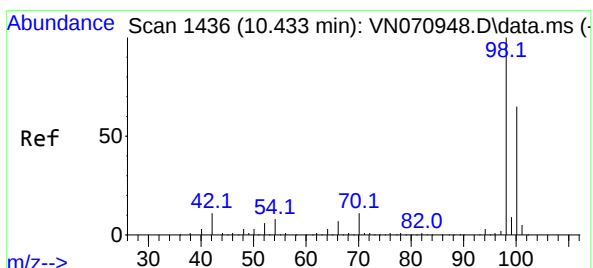
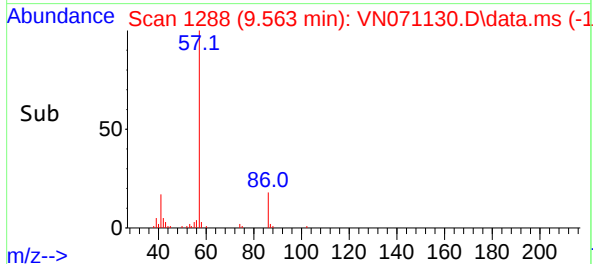
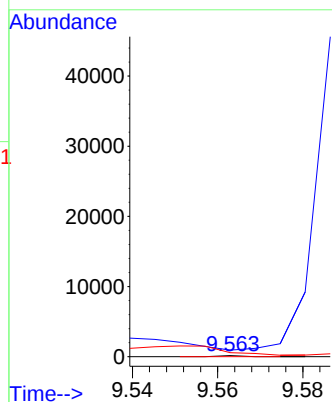
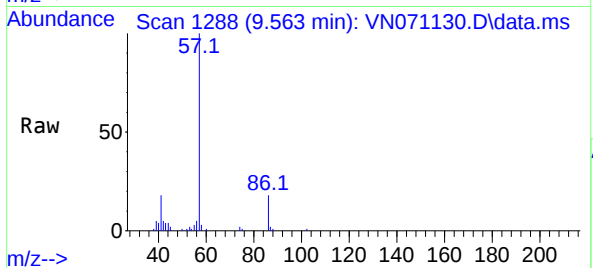




#49
1,4-Dioxane
Concen: 0.277 ug/l
RT: 9.563 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN071130.D
Acq: 01 Mar 2022 19:48

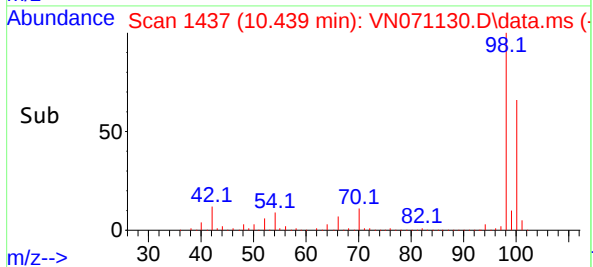
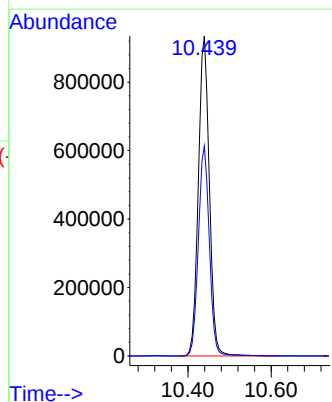
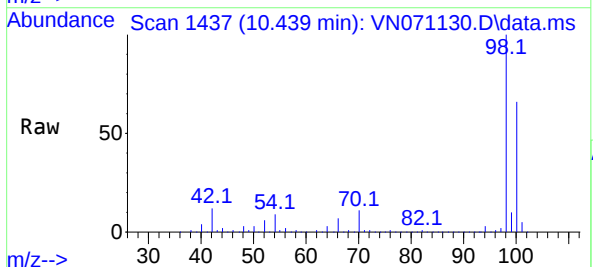
Instrument :
MSVOA_N
ClientSampleId :
PB143000TB

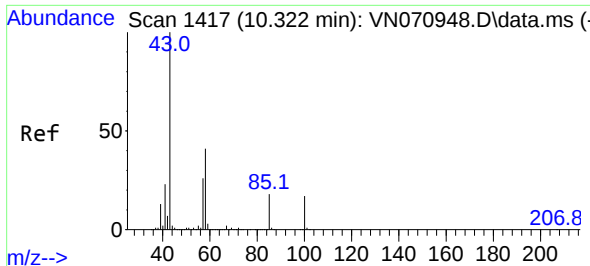
Tgt Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 6671.7 50.6 75.8#



#50
Toluene-d8
Concen: 51.908 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.006 min
Lab File: VN071130.D
Acq: 01 Mar 2022 19:48

Tgt Ion: 98 Resp: 1715248
Ion Ratio Lower Upper
98 100
100 65.5 50.4 75.6

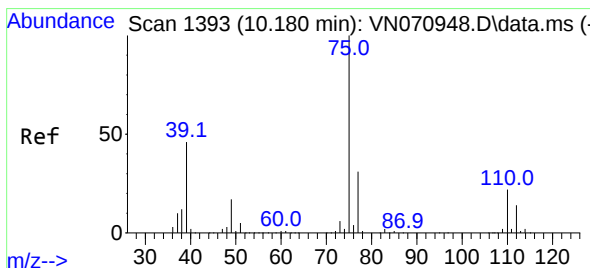
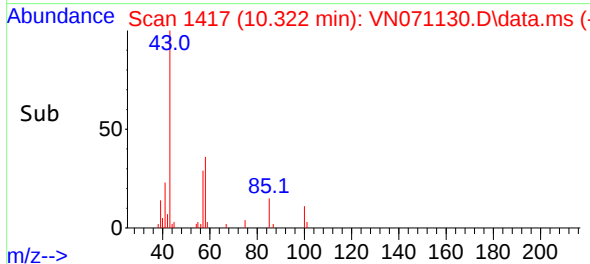
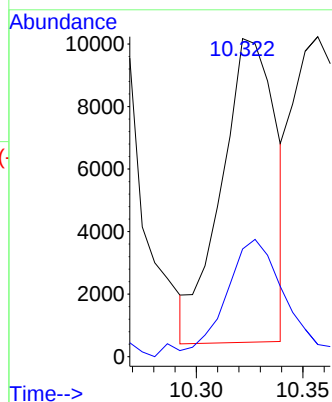
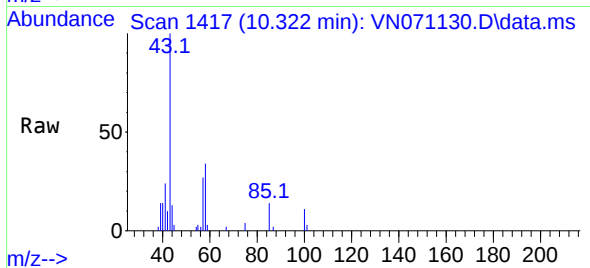




#51
4-Methyl-2-Pentanone
Concen: 1.247 ug/l
RT: 10.322 min Scan# 1417
Delta R.T. 0.000 min
Lab File: VN071130.D
Acq: 01 Mar 2022 19:48

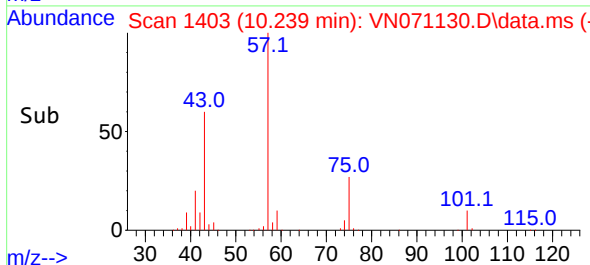
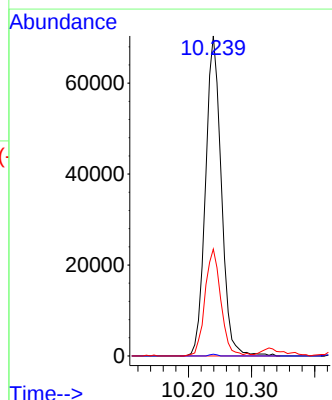
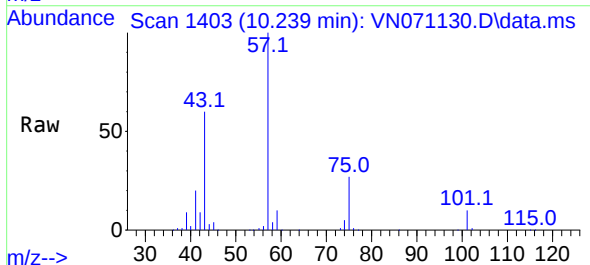
Instrument :
MSVOA_N
ClientSampleId :
PB143000TB

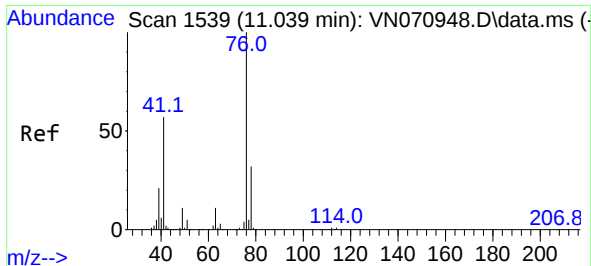
Tgt Ion: 43 Resp: 17287
Ion Ratio Lower Upper
43 100
58 43.2 30.4 45.6



#54
cis-1,3-Dichloropropene
Concen: 7.557 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.059 min
Lab File: VN071130.D
Acq: 01 Mar 2022 19:48

Tgt Ion: 75 Resp: 122589
Ion Ratio Lower Upper
75 100
77 0.5 26.4 39.6#
39 33.4 42.5 63.7#





#57

1,3-Dichloropropane

Concen: 4.606 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN071130.D

Acq: 01 Mar 2022 19:48

Instrument :

MSVOA_N

ClientSampleId :

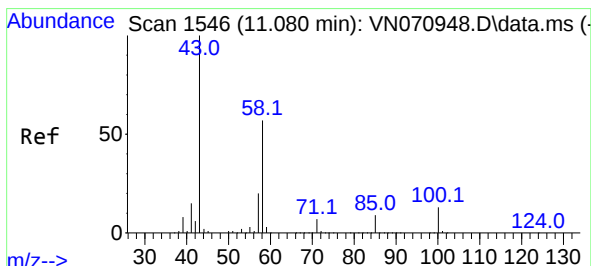
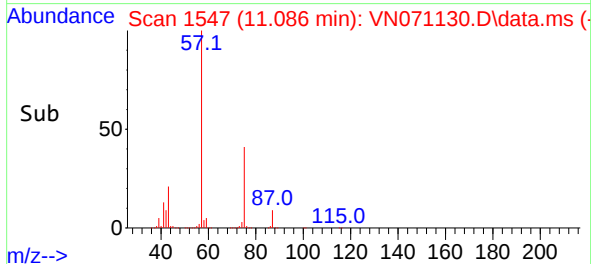
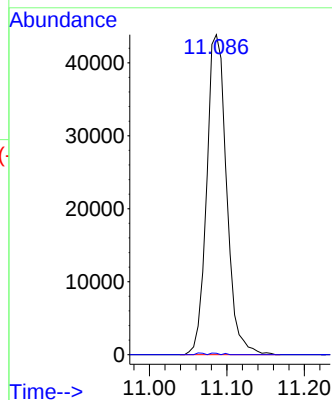
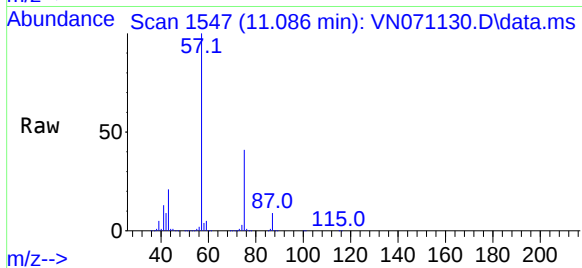
PB143000TB

Tgt Ion: 76 Resp: 78147

Ion Ratio Lower Upper

76 100

78 0.3 25.7 38.5#



#59

2-Hexanone

Concen: 123.095 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.006 min

Lab File: VN071130.D

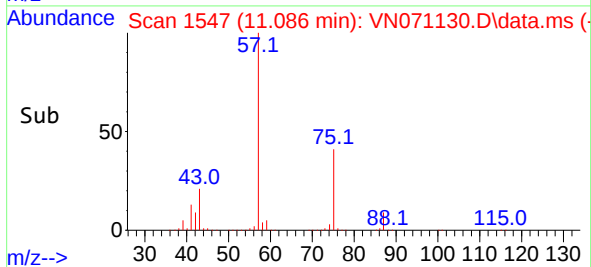
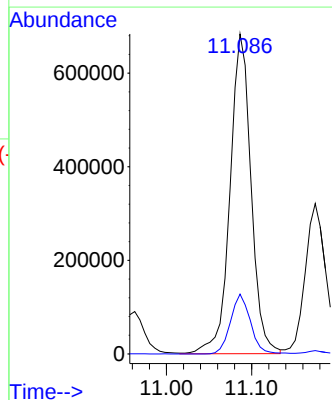
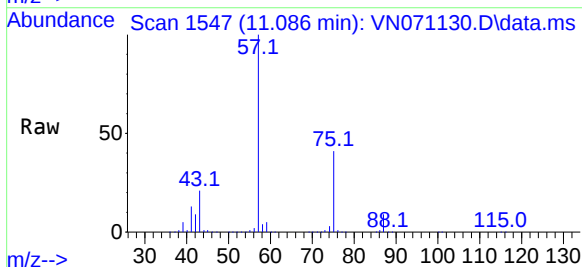
Acq: 01 Mar 2022 19:48

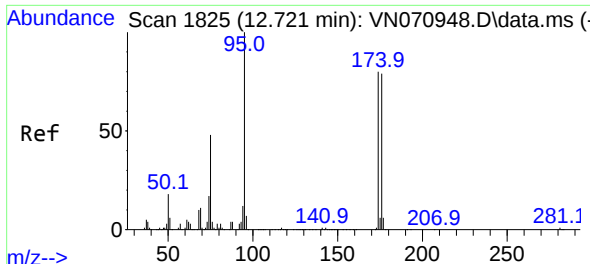
Tgt Ion: 43 Resp: 1173790

Ion Ratio Lower Upper

43 100

58 17.7 26.9 80.7#

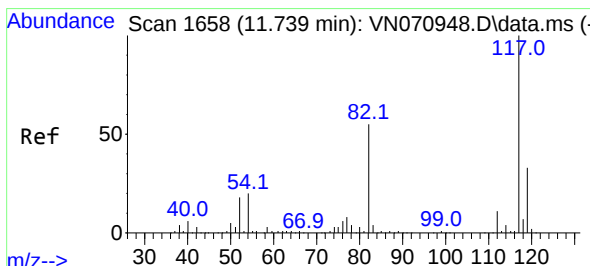
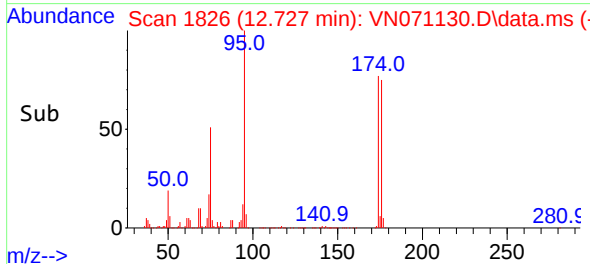
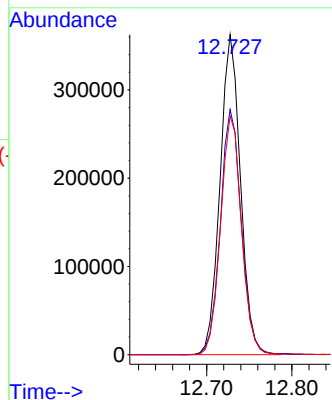
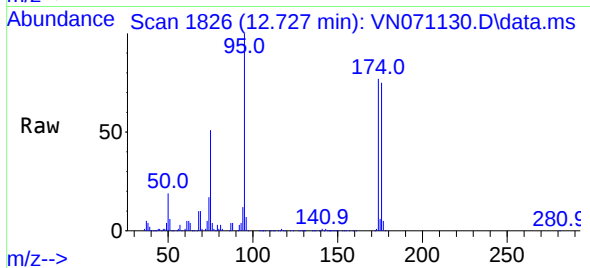




#62
4-Bromofluorobenzene
Concen: 51.139 ug/l
RT: 12.727 min Scan# 1825
Delta R.T. 0.006 min
Lab File: VN071130.D
Acq: 01 Mar 2022 19:48

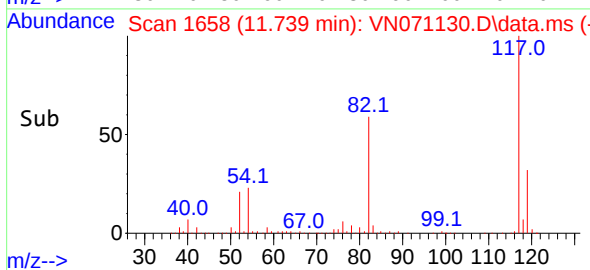
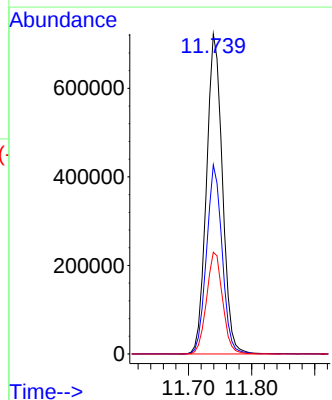
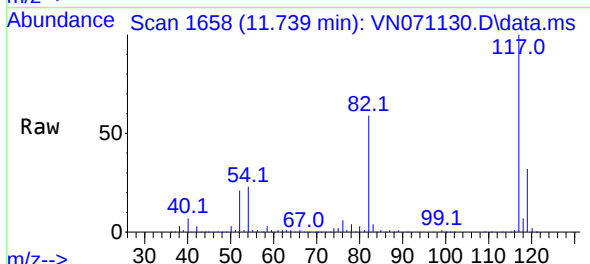
Instrument :
MSVOA_N
ClientSampleId :
PB143000TB

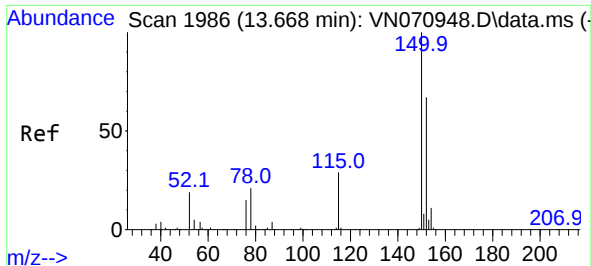
Tgt Ion: 95 Resp: 604026
Ion Ratio Lower Upper
95 100
174 78.7 0.0 187.2
176 76.0 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071130.D
Acq: 01 Mar 2022 19:48

Tgt Ion: 117 Resp: 1265036
Ion Ratio Lower Upper
117 100
82 59.1 42.4 63.6
119 31.8 25.4 38.2

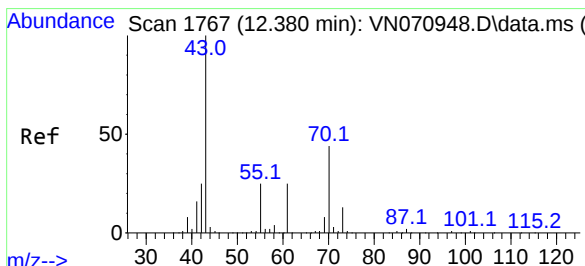
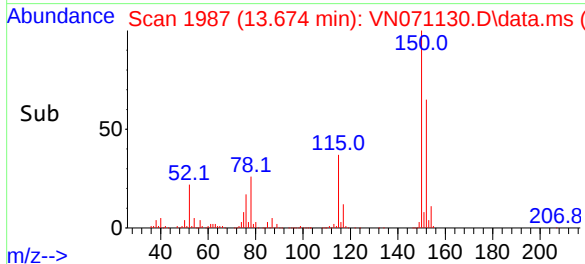
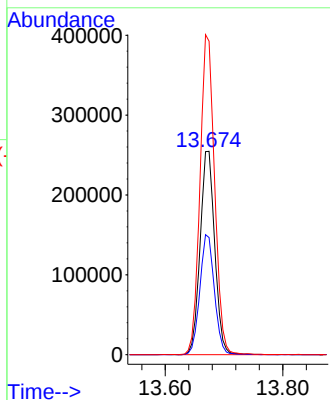
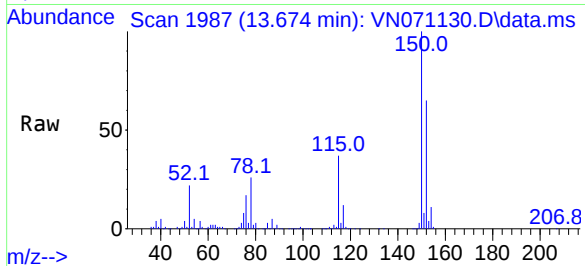




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1986
Delta R.T. 0.006 min
Lab File: VN071130.D
Acq: 01 Mar 2022 19:48

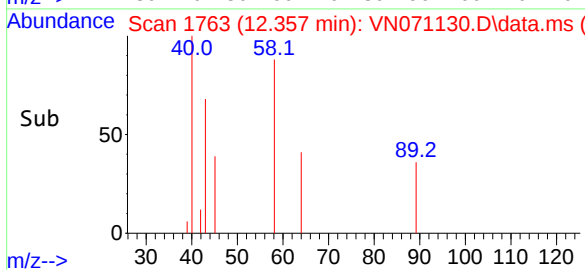
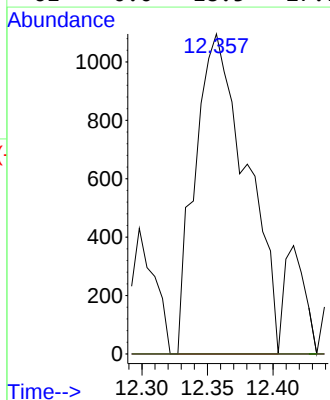
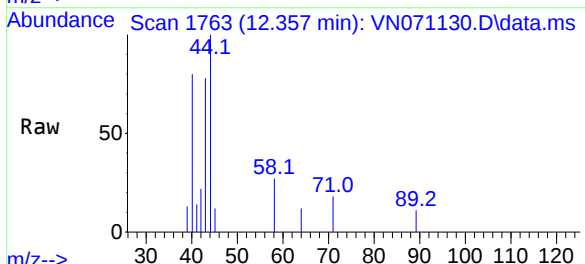
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MSVOA_N
ClientSampleId :
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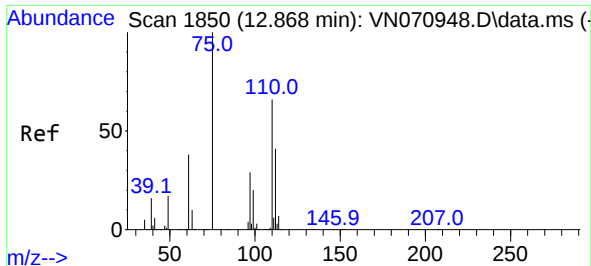
Tgt Ion:152 Resp: 439583
Ion Ratio Lower Upper
152 100
115 58.7 27.5 82.5
150 157.2 0.0 344.4



#74
N-ethyl acetate
Concen: 0.264 ug/l
RT: 12.357 min Scan# 1763
Delta R.T. -0.023 min
Lab File: VN071130.D
Acq: 01 Mar 2022 19:48

Tgt Ion: 43 Resp: 2989
Ion Ratio Lower Upper
43 100
70 0.0 33.4 50.0#
55 0.0 19.3 28.9#
61 0.0 18.5 27.7#

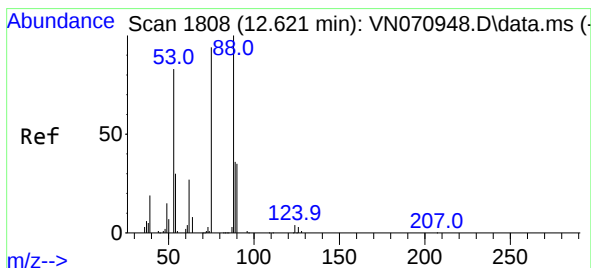
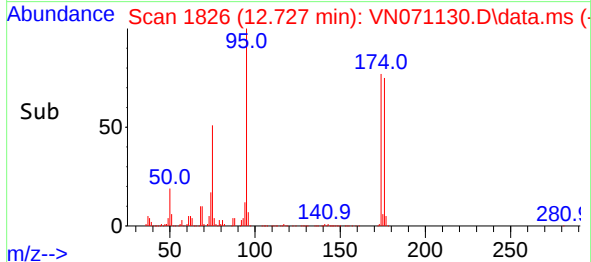
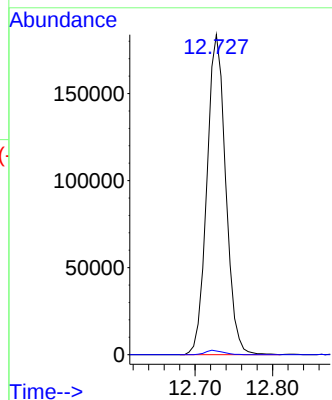
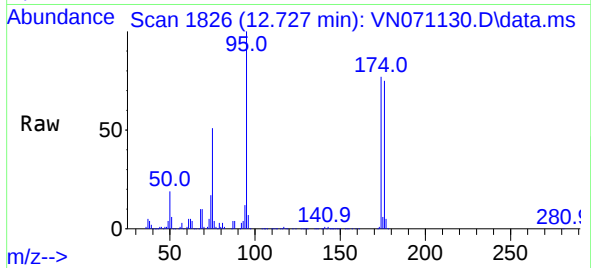




#76
1,2,3-Trichloropropane
Concen: 29.928 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN071130.D
Acq: 01 Mar 2022 19:48

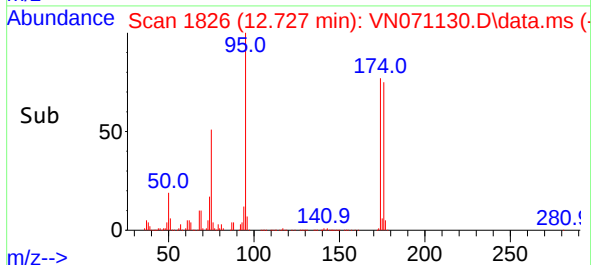
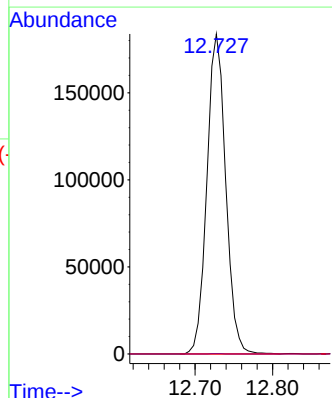
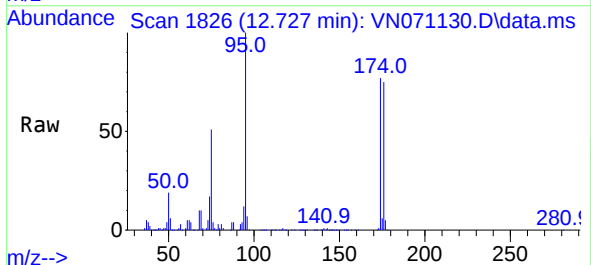
Instrument :
MSVOA_N
ClientSampleId :
PB143000TB

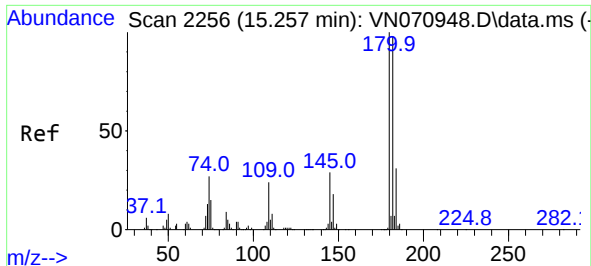
Tgt Ion: 75 Resp: 309753
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.980 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071130.D
Acq: 01 Mar 2022 19:48

Tgt Ion: 75 Resp: 309753
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

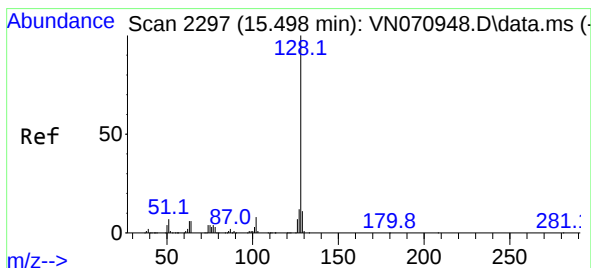
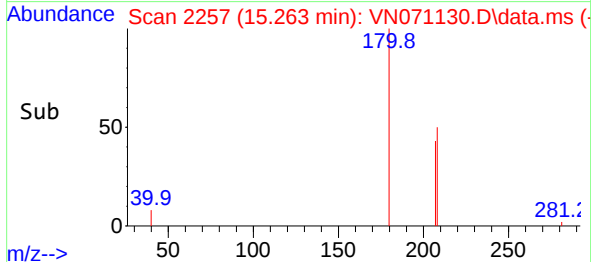
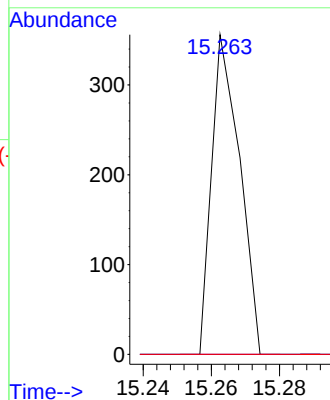
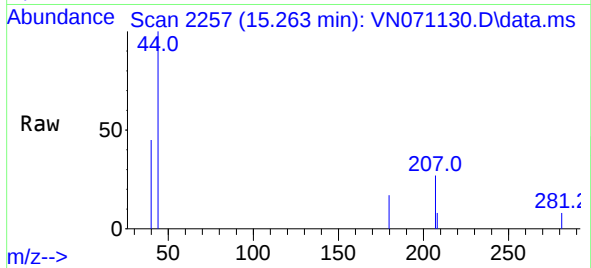




#93
1,2,4-Trichlorobenzene
Concen: 2.023 ug/l
RT: 15.263 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN071130.D
Acq: 01 Mar 2022 19:48

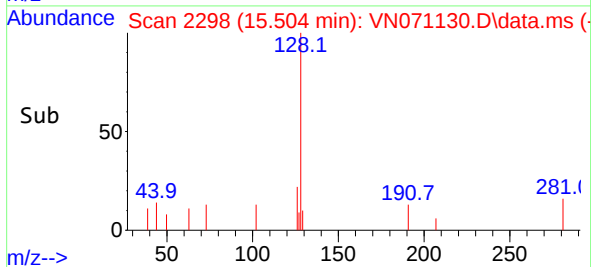
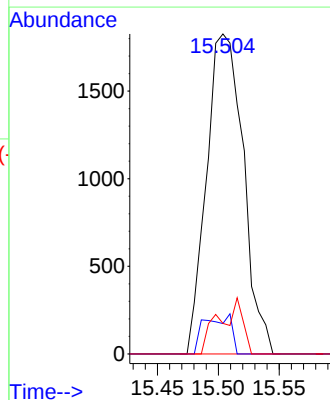
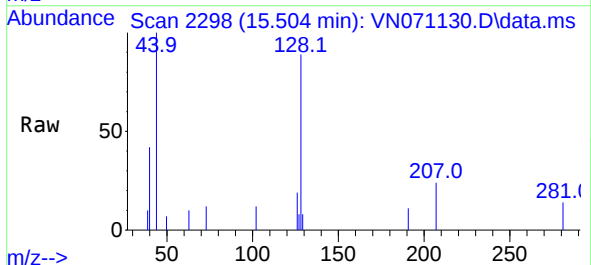
Instrument :
MSVOA_N
ClientSampleId :
PB143000TB

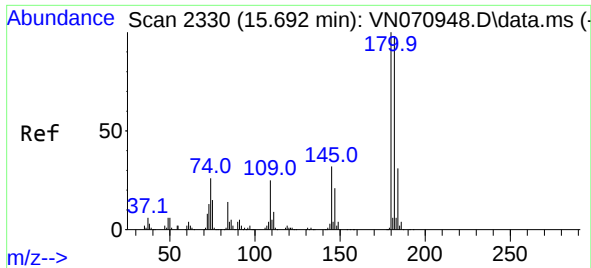
Tgt Ion:180 Resp: 203
Ion Ratio Lower Upper
180 100
182 0.0 48.3 144.9#
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 5.165 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN071130.D
Acq: 01 Mar 2022 19:48

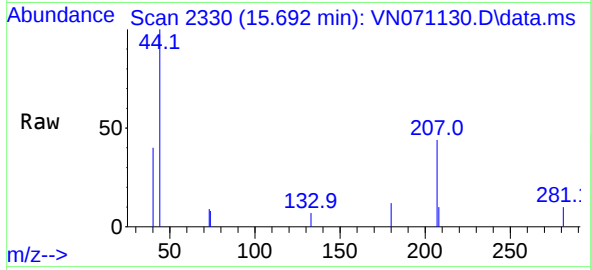
Tgt Ion:128 Resp: 3837
Ion Ratio Lower Upper
128 100
127 8.9 10.5 15.7#
129 11.2 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.557 ug/l
 RT: 15.692 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN071130.D
 Acq: 01 Mar 2022 19:48

Instrument :
 MSVOA_N
 ClientSampleId :
 PB143000TB



Tgt Ion:	180	Resp:	319
Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.4	142.2#
145	0.0	15.0	45.1#

