

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041522\
 Data File : VN072022.D
 Acq On : 15 Apr 2022 23:40
 Operator : JC\MD
 Sample : PB144101ZHE#10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB144101ZHE#10

Quant Time: Apr 16 00:10:11 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)

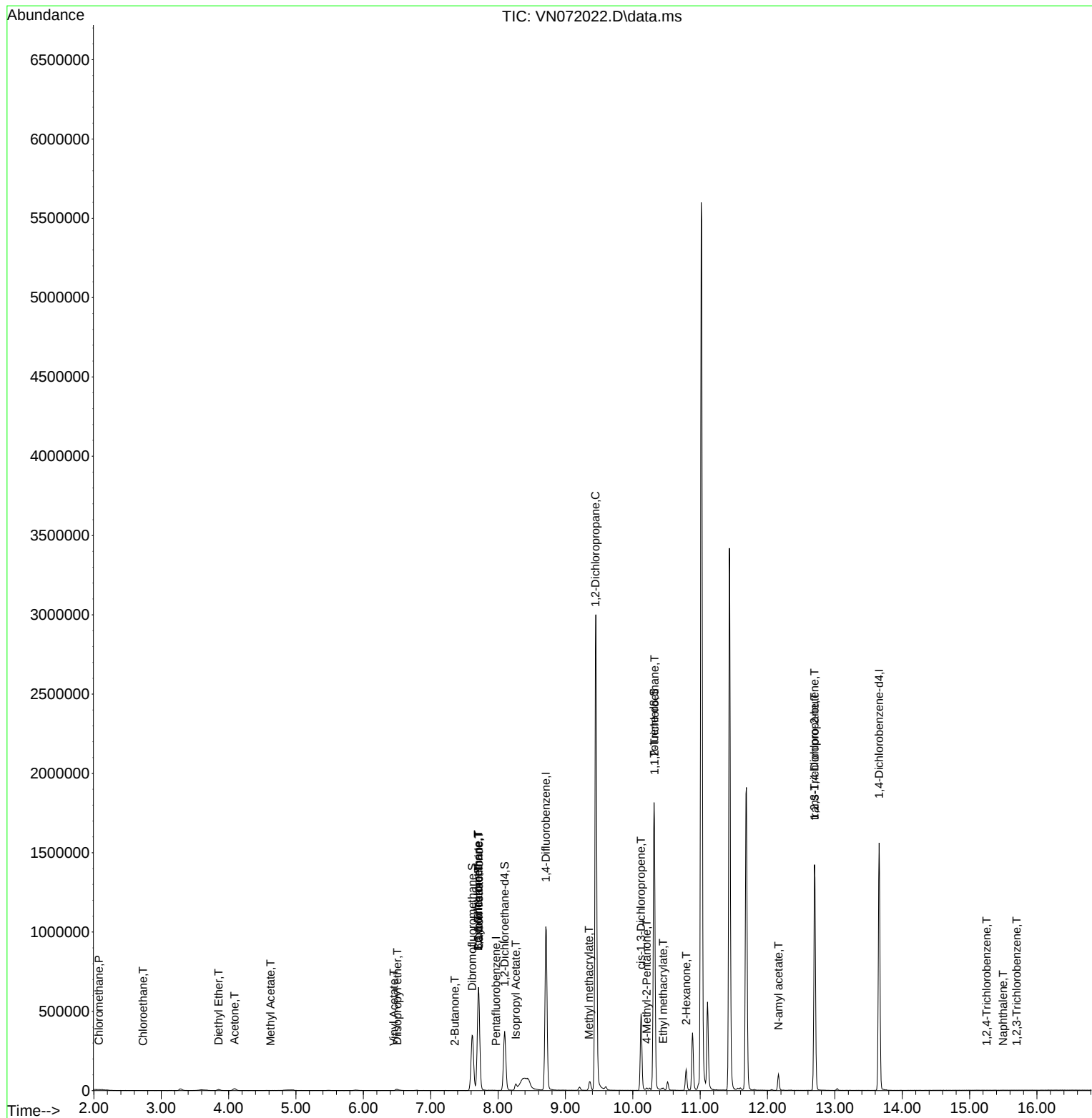
Internal Standards						
1) Pentafluorobenzene	7.969	168	292	50.000	ug/l	#-0.11
34) 1,4-Difluorobenzene	8.710	114	1051548	50.000	ug/l	-0.25
63) Chlorobenzene-d5	0.000	117	0	0.000	ug/l	-11.74
72) 1,4-Dichlorobenzene-d4	13.657	152	469391	50.000	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.098	65	332666	99794.191	ug/l	-0.34
Spiked Amount	50.000	Range	61 - 141	Recovery	= 199588.380%#	
35) Dibromofluoromethane	7.616	113	290513	46.950	ug/l	-0.40
Spiked Amount	50.000	Range	69 - 133	Recovery	= 93.900%	
50) Toluene-d8	10.316	98	1371699	54.190	ug/l	-0.12
Spiked Amount	50.000	Range	65 - 126	Recovery	= 108.380%	
62) 4-Bromofluorobenzene	0.000	95	0	0.000	ug/l	
Spiked Amount	50.000	Range	58 - 135	Recovery	= 0.000%#	
Target Compounds						
					Qvalue	
3) Chloromethane	2.075	50	57	19.377	ug/l #	43
6) Chloroethane	2.728	64	53	22.806	ug/l #	42
8) Diethyl Ether	3.852	74	3928	2261.433	ug/l #	19
16) Acetone	4.087	43	126	88.444	ug/l #	42
18) Methyl Acetate	4.622	43	62	16.562	ug/l #	48
22) Diisopropyl ether	6.504	45	4317	506.912	ug/l #	34
23) Vinyl Acetate	6.451	43	71	10.484	ug/l #	68
25) 2-Butanone	7.357	43	54	26.293	ug/l #	45
28) Bromochloromethane	7.704	49	1869	926.733	ug/l #	1
31) Cyclohexane	7.710	56	5466	1205.720	ug/l #	1
32) 1,1,1-Trichloroethane	7.704	97	58	12.843	ug/l #	1
38) Carbon Tetrachloride	7.716	117	43232	5.105	ug/l #	16
43) Isopropyl Acetate	8.263	43	53701	3.414	ug/l #	92
45) 1,2-Dichloropropane	9.445	63	4259	0.625	ug/l #	44
48) Methyl methacrylate	9.351	41	14408	2.208	ug/l #	10
49) 1,4-Dioxane	9.451	88	409	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.204	43	8725	0.965	ug/l	95
54) cis-1,3-Dichloropropene	10.122	75	98291	9.313	ug/l #	61
55) 1,1,2-Trichloroethane	10.322	97	35618	5.016	ug/l #	1
56) Ethyl methacrylate	10.451	69	8563	0.845	ug/l	95
59) 2-Hexanone	10.792	43	88680	13.926	ug/l #	21
74) N-amyl acetate	12.163	43	28324	2.499	ug/l #	51
76) 1,2,3-Trichloropropane	12.698	75	243010	22.348	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.698	75	243010	69.256	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.251	180	58	2.093	ug/l #	12
95) Naphthalene	15.498	128	198	3.811	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.698	180	55	2.421	ug/l #	12

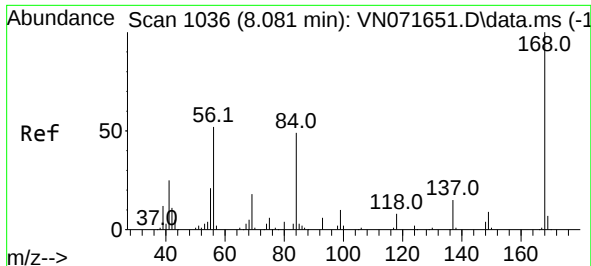
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041522\
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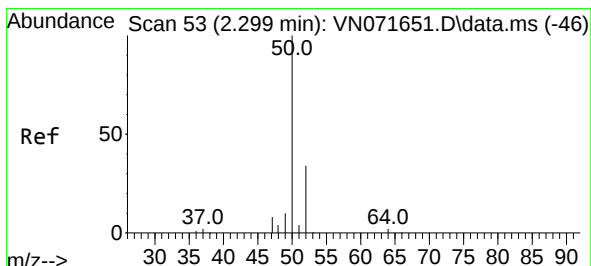
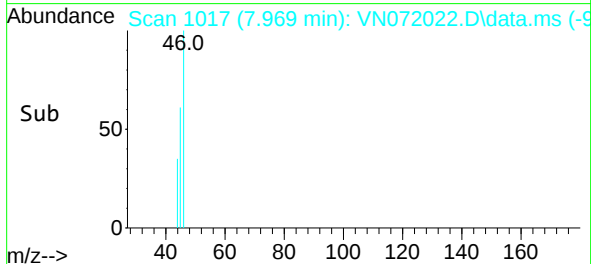
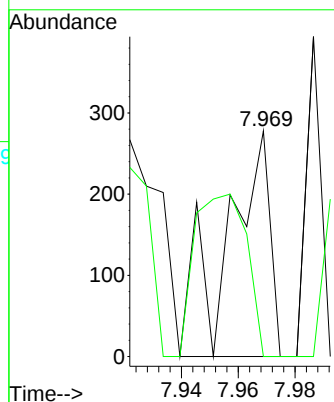
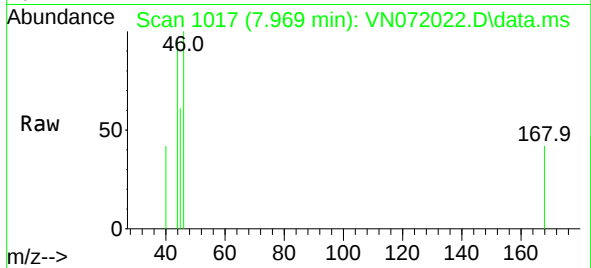




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.969 min Scan# 10
Delta R.T. -0.112 min
Lab File: VN072022.D
Acq: 15 Apr 2022 23:40

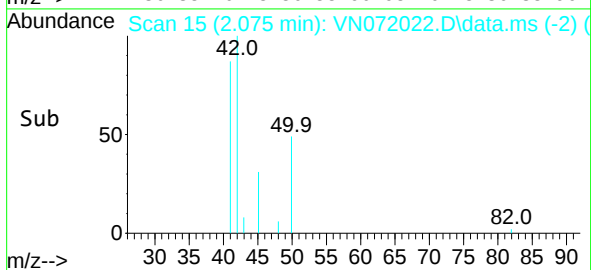
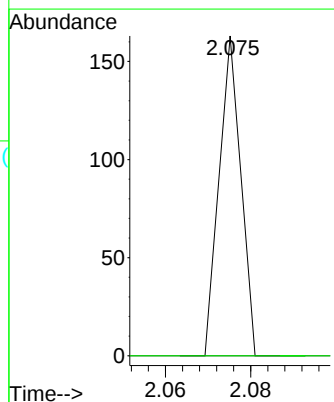
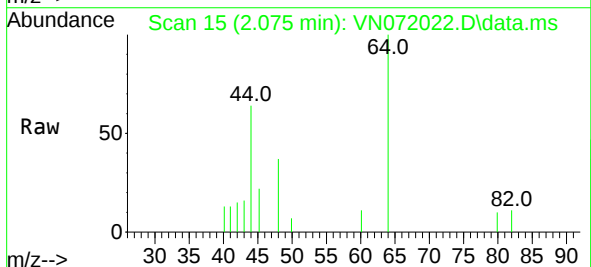
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#10

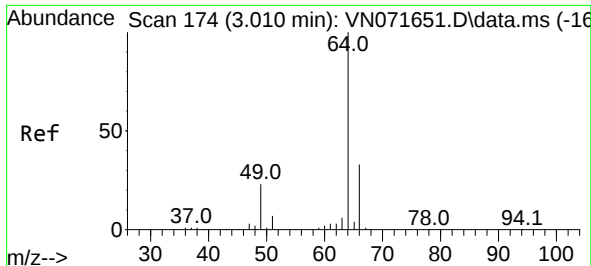
Tgt Ion:168 Resp: 292
Ion Ratio Lower Upper
168 100
99 0.0 42.3 63.5#



#3
Chloromethane
Concen: 19.377 ug/l
RT: 2.075 min Scan# 15
Delta R.T. -0.224 min
Lab File: VN072022.D
Acq: 15 Apr 2022 23:40

Tgt Ion: 50 Resp: 57
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

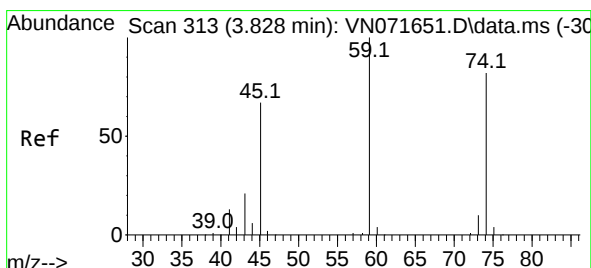
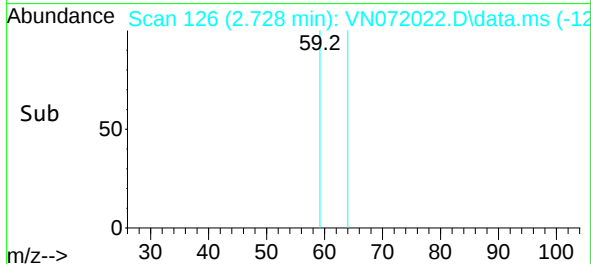
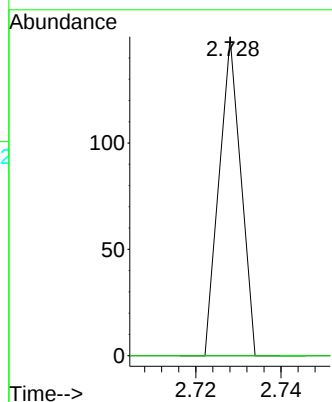
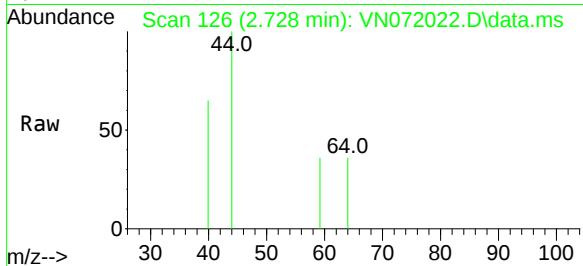




#6
Chloroethane
Concen: 22.806 ug/l
RT: 2.728 min Scan# 11
Delta R.T. -0.282 min
Lab File: VN072022.D
Acq: 15 Apr 2022 23:40

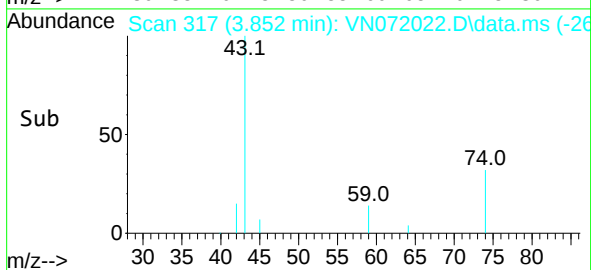
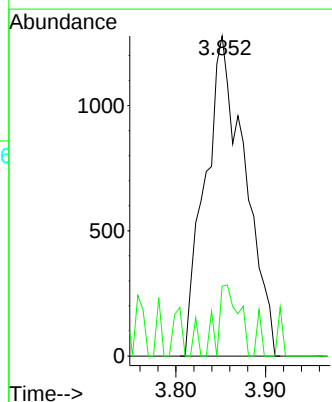
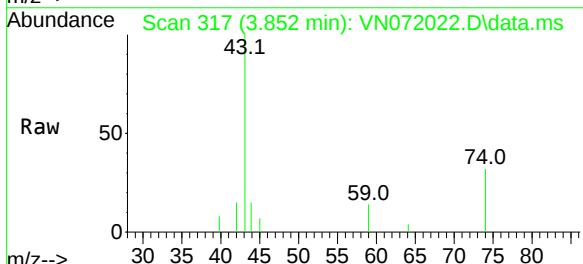
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#10

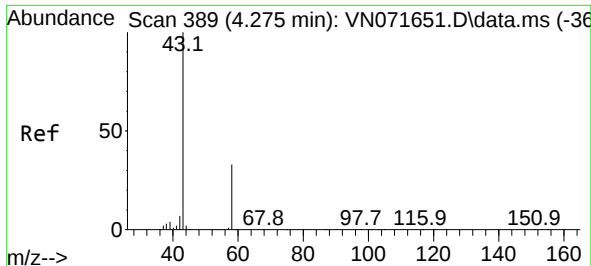
Tgt Ion: 64 Resp: 53
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#8
Diethyl Ether
Concen: 2261.433 ug/l
RT: 3.852 min Scan# 317
Delta R.T. 0.024 min
Lab File: VN072022.D
Acq: 15 Apr 2022 23:40

Tgt Ion: 74 Resp: 3928
Ion Ratio Lower Upper
74 100
45 11.7 42.9 128.5#

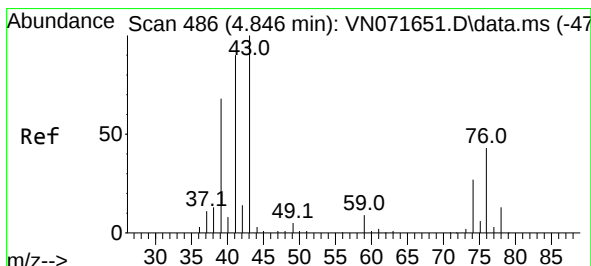
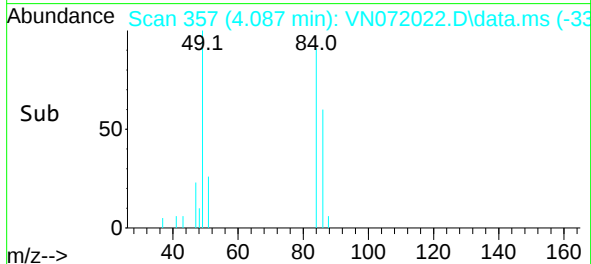
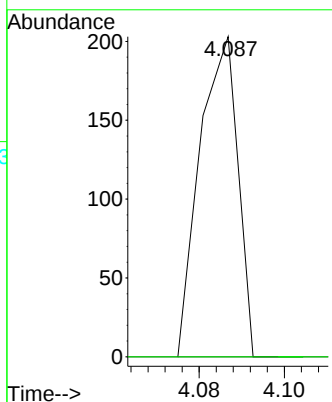
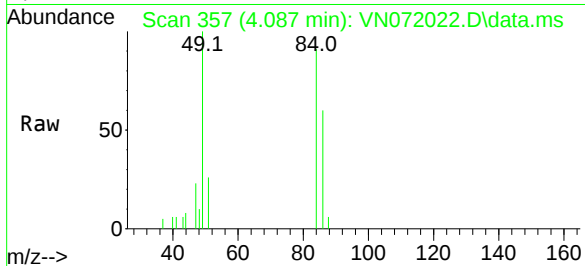




#16
Acetone
Concen: 88.444 ug/l
RT: 4.087 min Scan# 31
Delta R.T. -0.188 min
Lab File: VN072022.D
Acq: 15 Apr 2022 23:40

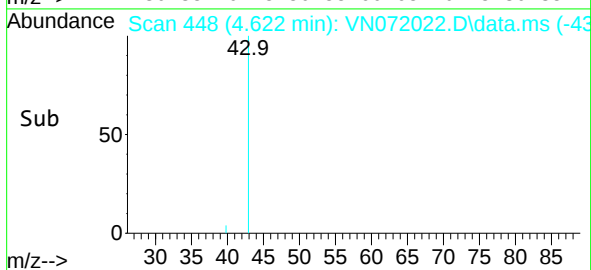
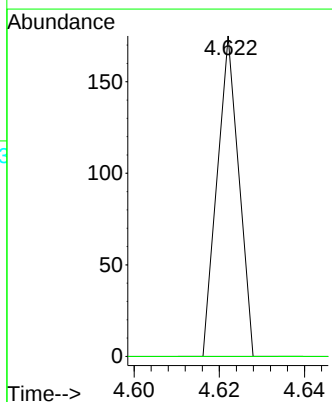
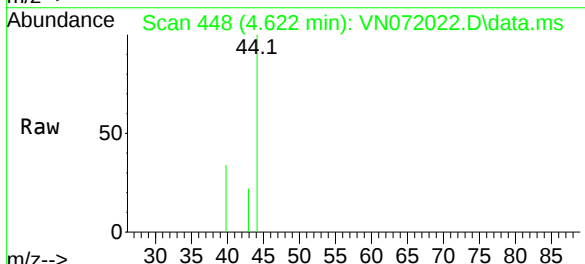
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#10

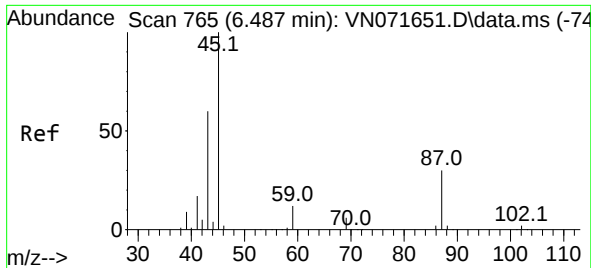
Tgt Ion: 43 Resp: 126
Ion Ratio Lower Upper
43 100
58 0.0 26.0 39.0#



#18
Methyl Acetate
Concen: 16.562 ug/l
RT: 4.622 min Scan# 448
Delta R.T. -0.224 min
Lab File: VN072022.D
Acq: 15 Apr 2022 23:40

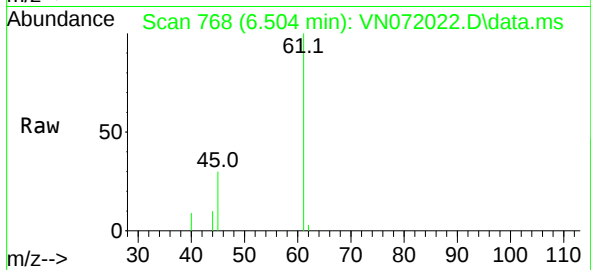
Tgt Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



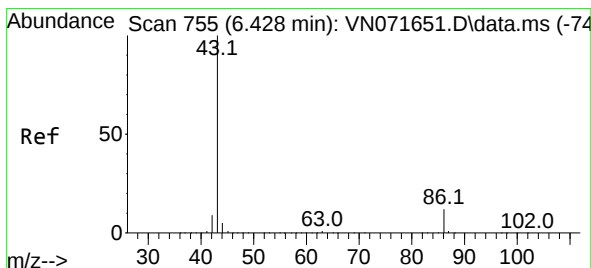
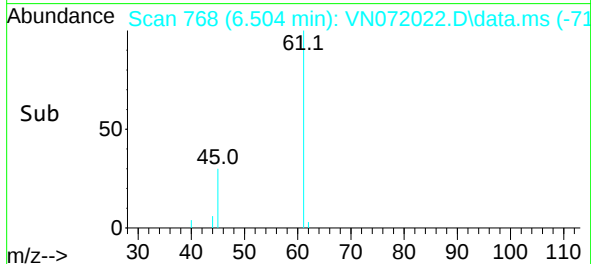
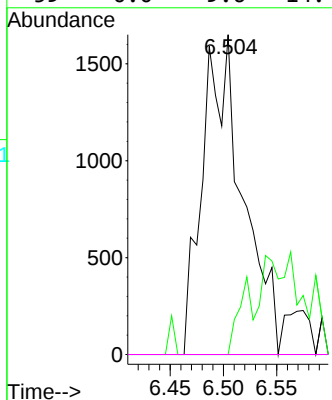


#22
Diisopropyl ether
Concen: 506.912 ug/l
RT: 6.504 min Scan# 768
Delta R.T. 0.017 min
Lab File: VN072022.D
Acq: 15 Apr 2022 23:40

Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#10

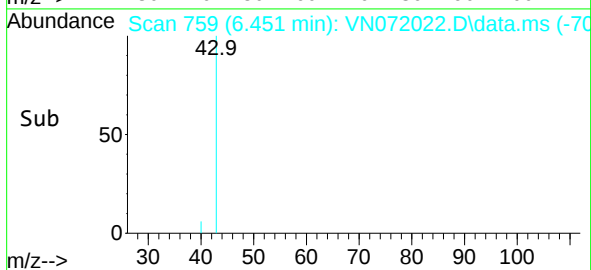
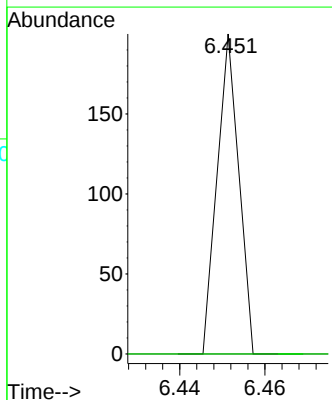
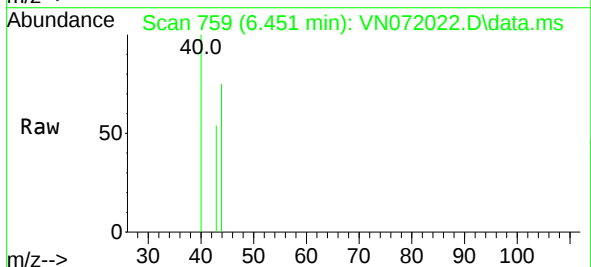


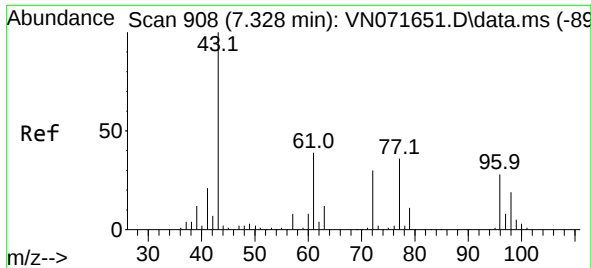
Tgt Ion: 45 Resp: 4317
Ion Ratio Lower Upper
45 100
43 0.0 46.6 70.0#
87 0.0 24.3 36.5#
59 0.0 9.6 14.4#



#23
Vinyl Acetate
Concen: 10.484 ug/l
RT: 6.451 min Scan# 759
Delta R.T. 0.023 min
Lab File: VN072022.D
Acq: 15 Apr 2022 23:40

Tgt Ion: 43 Resp: 71
Ion Ratio Lower Upper
43 100
86 0.0 10.0 15.0#

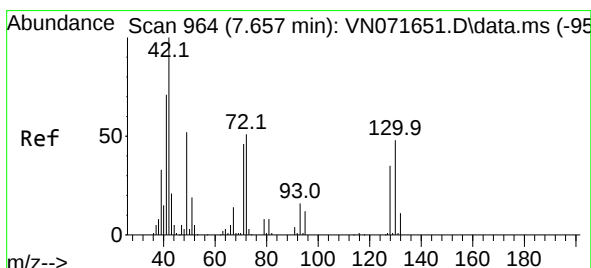
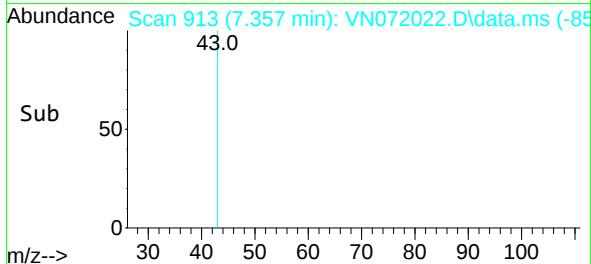
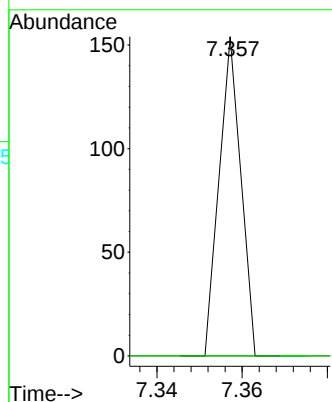
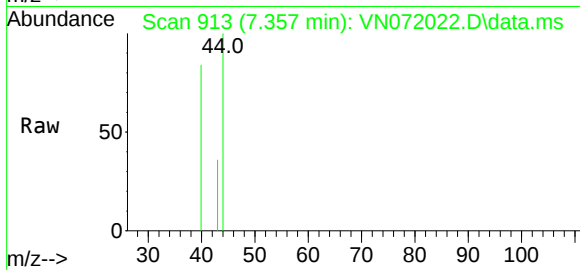




#25
2-Butanone
Concen: 26.293 ug/l
RT: 7.357 min Scan# 91
Delta R.T. 0.029 min
Lab File: VN072022.D
Acq: 15 Apr 2022 23:40

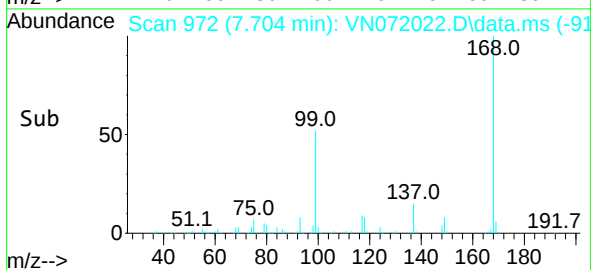
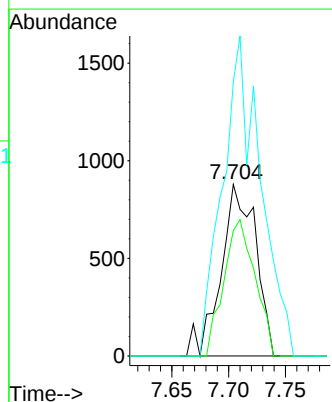
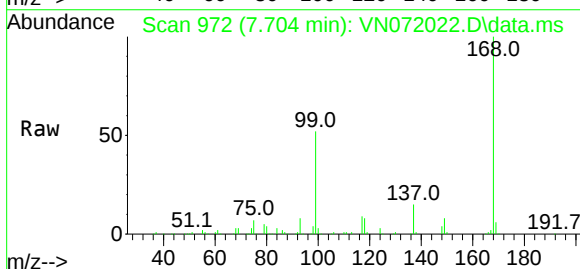
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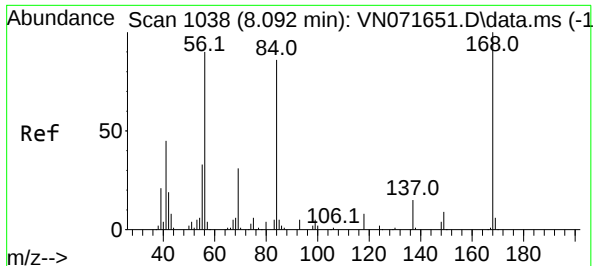
Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#28
Bromochloromethane
Concen: 926.733 ug/l
RT: 7.704 min Scan# 972
Delta R.T. 0.047 min
Lab File: VN072022.D
Acq: 15 Apr 2022 23:40

Tgt Ion: 49 Resp: 1869
Ion Ratio Lower Upper
49 100
129 71.6 0.0 4.6#
130 202.6 69.7 104.5#

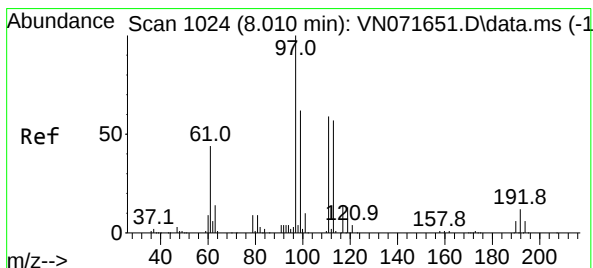
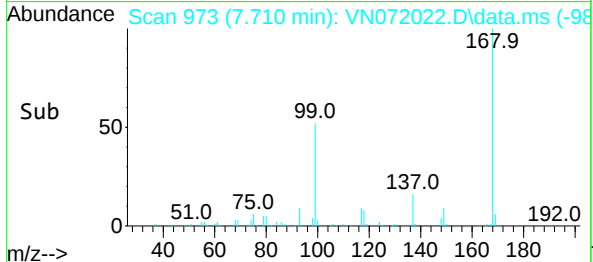
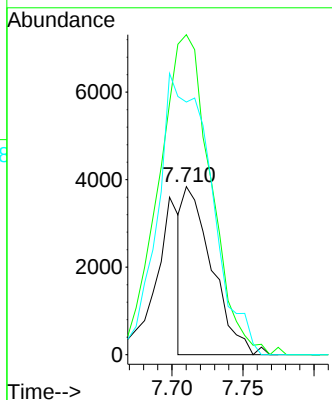
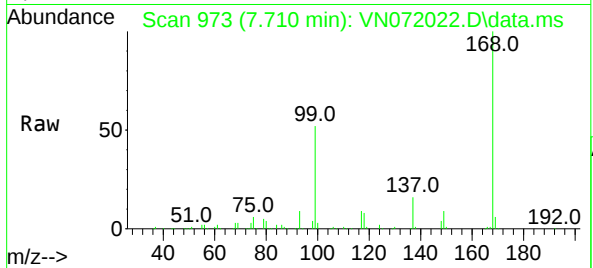




#31
Cyclohexane
Concen: 1205.720 ug/l
RT: 7.710 min Scan# 91
Delta R.T. -0.382 min
Lab File: VN072022.D
Acq: 15 Apr 2022 23:40

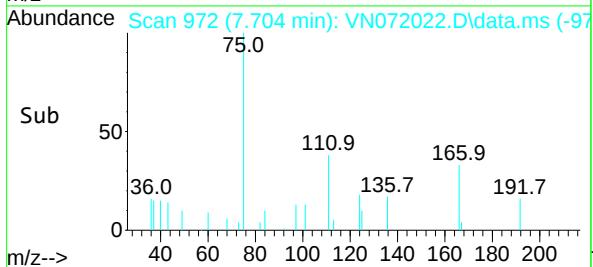
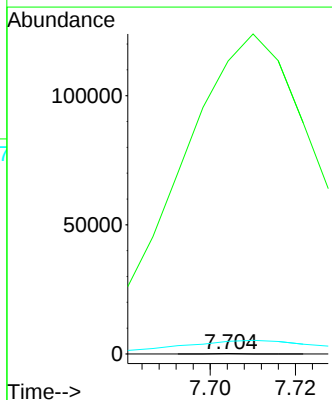
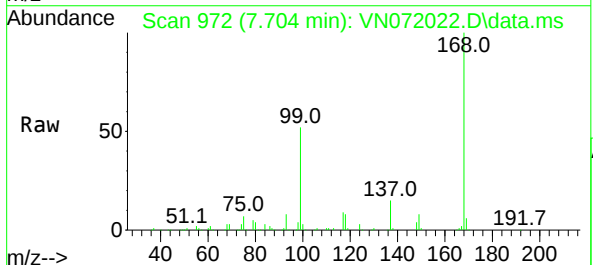
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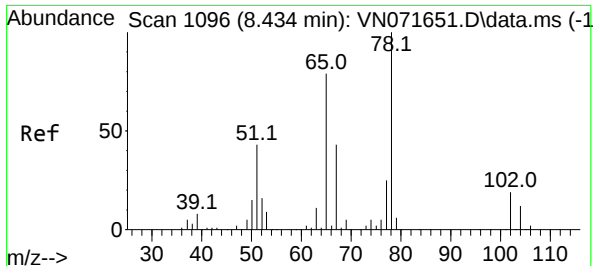
Tgt Ion: 56 Resp: 5466
Ion Ratio Lower Upper
56 100
69 186.1 27.8 41.8#
84 150.4 76.9 115.3#



#32
1,1,1-Trichloroethane
Concen: 12.843 ug/l
RT: 7.704 min Scan# 972
Delta R.T. -0.306 min
Lab File: VN072022.D
Acq: 15 Apr 2022 23:40

Tgt Ion: 97 Resp: 58
Ion Ratio Lower Upper
97 100
99 528981.0 50.6 76.0#
61 22674.1 36.0 54.0#





#33

1,2-Dichloroethane-d4

Concen: 99794.191 ug/l

RT: 8.098 min Scan# 110

Delta R.T. -0.336 min

Lab File: VN072022.D

Acq: 15 Apr 2022 23:40

Instrument :

MSVOA_N

ClientSampleId :

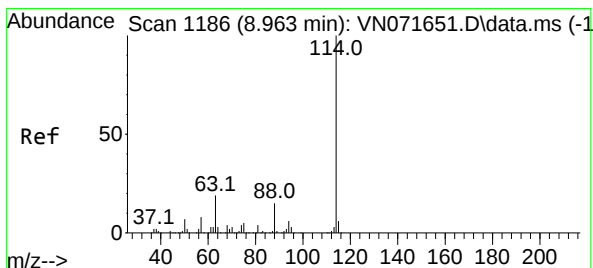
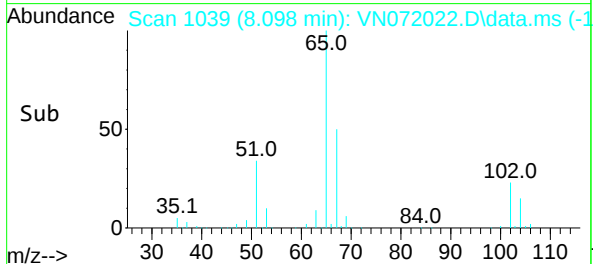
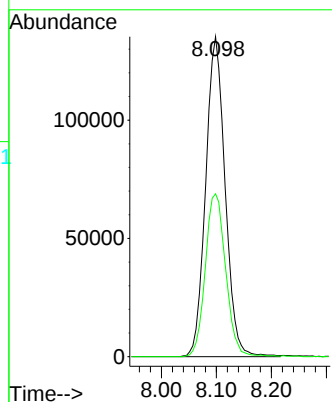
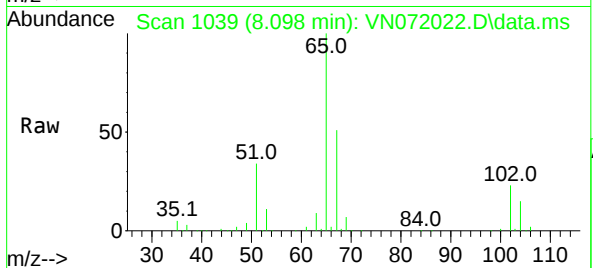
PB144101ZHE#10

Tgt Ion: 65 Resp: 332666

Ion Ratio Lower Upper

65 100

67 53.3 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.710 min Scan# 1143

Delta R.T. -0.253 min

Lab File: VN072022.D

Acq: 15 Apr 2022 23:40

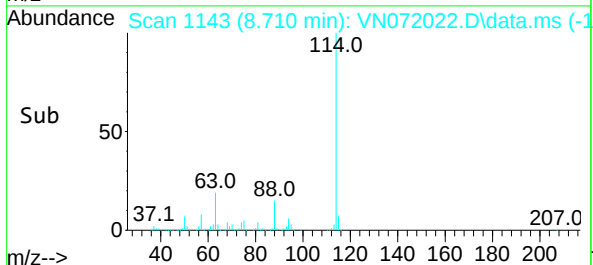
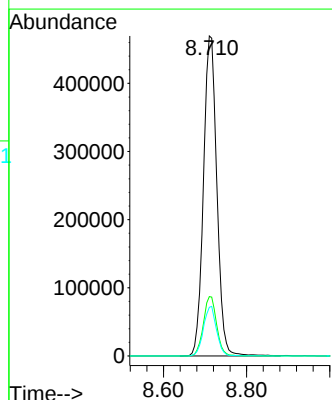
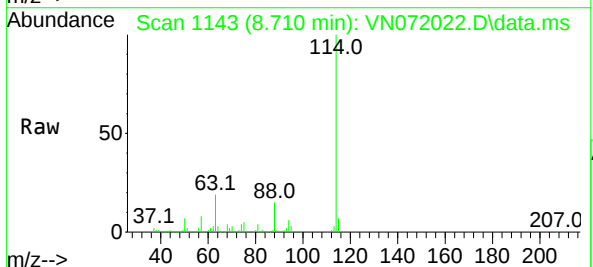
Tgt Ion: 114 Resp: 1051548

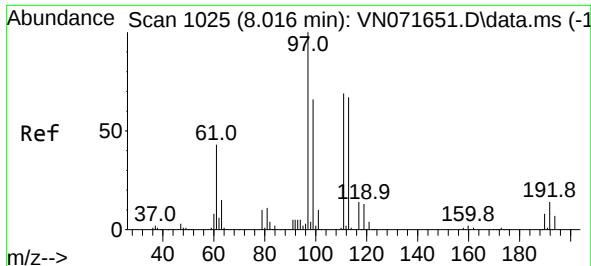
Ion Ratio Lower Upper

114 100

63 18.6 0.0 40.0

88 15.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 46.950 ug/l

RT: 7.616 min Scan# 91

Delta R.T. -0.400 min

Lab File: VN072022.D

Acq: 15 Apr 2022 23:40

Instrument :

MSVOA_N

ClientSampleId :

PB144101ZHE#10

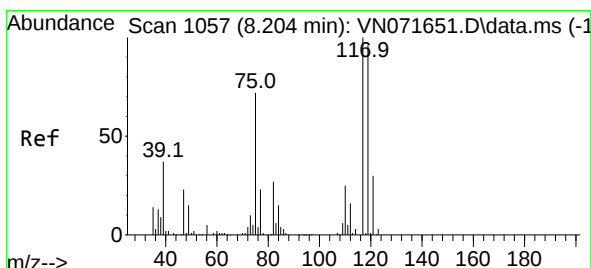
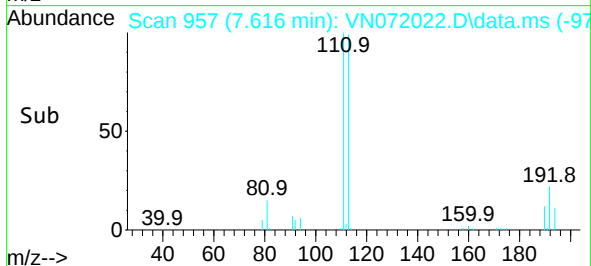
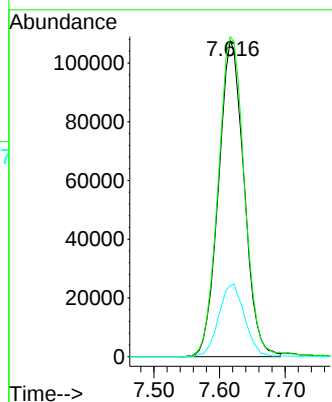
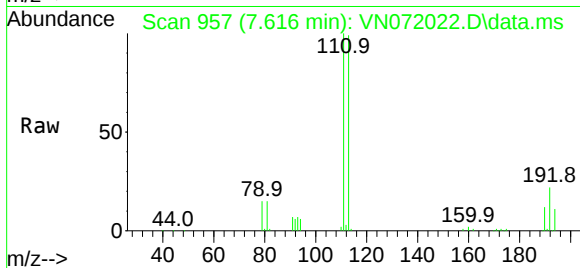
Tgt Ion:113 Resp: 290513

Ion Ratio Lower Upper

113 100

111 104.9 81.4 122.0

192 23.4 17.0 25.6



#38

Carbon Tetrachloride

Concen: 5.105 ug/l

RT: 7.716 min Scan# 974

Delta R.T. -0.488 min

Lab File: VN072022.D

Acq: 15 Apr 2022 23:40

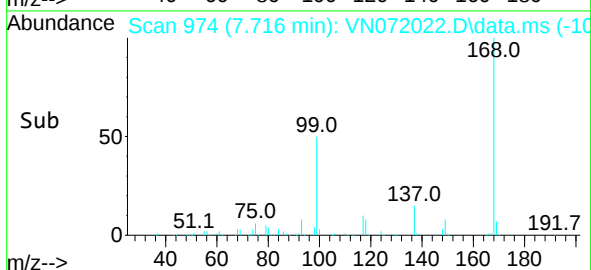
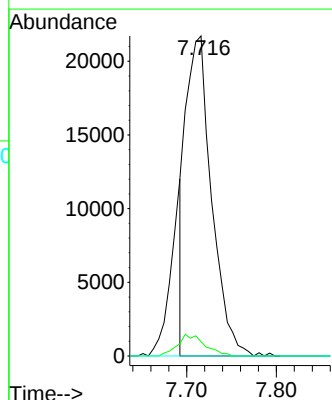
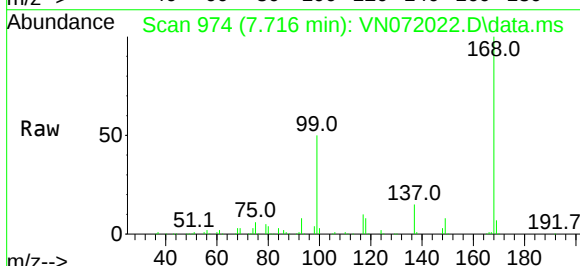
Tgt Ion:117 Resp: 43232

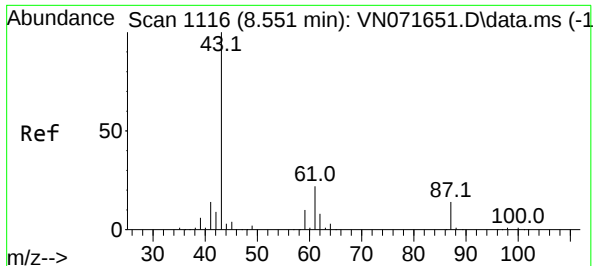
Ion Ratio Lower Upper

117 100

119 4.4 75.8 113.8#

121 0.0 24.6 37.0#

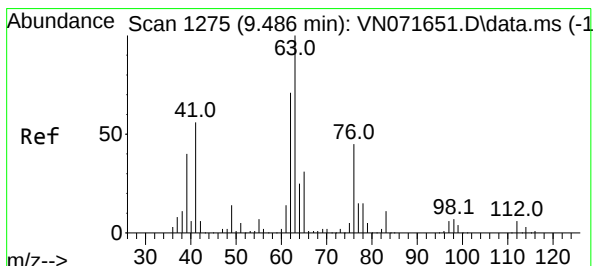
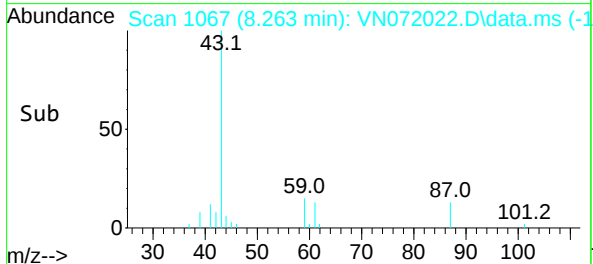
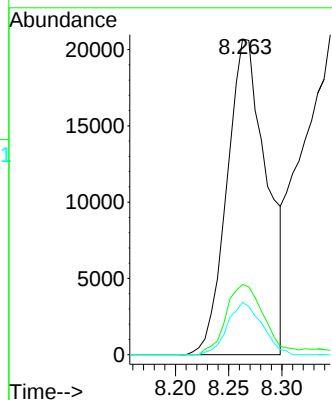
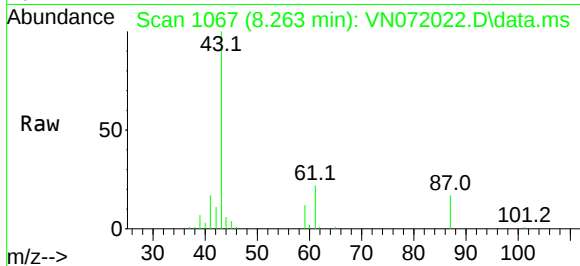




#43
Isopropyl Acetate
Concen: 3.414 ug/l
RT: 8.263 min Scan# 1067
Delta R.T. -0.288 min
Lab File: VN072022.D
Acq: 15 Apr 2022 23:40

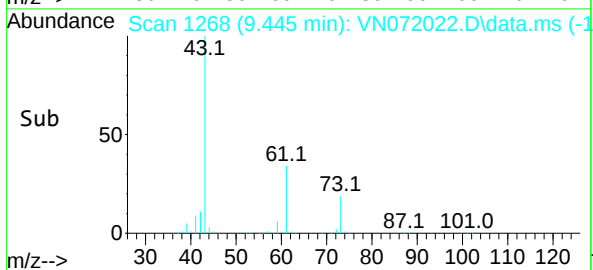
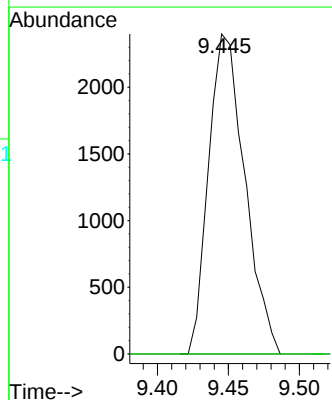
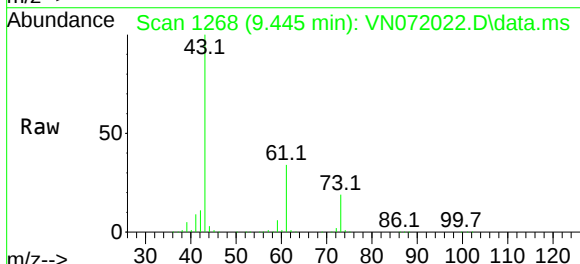
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#10

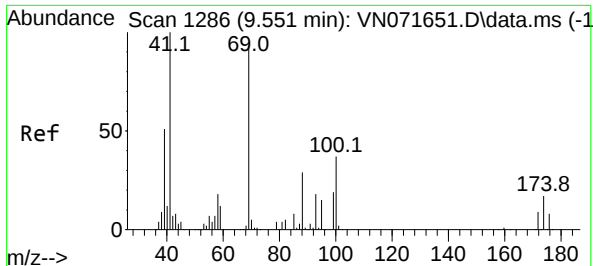
Tgt Ion: 43 Resp: 53701
Ion Ratio Lower Upper
43 100
61 21.3 21.9 32.9#
87 14.3 12.0 18.0



#45
1,2-Dichloropropane
Concen: 0.625 ug/l
RT: 9.445 min Scan# 1268
Delta R.T. -0.041 min
Lab File: VN072022.D
Acq: 15 Apr 2022 23:40

Tgt Ion: 63 Resp: 4259
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#





#48

Methyl methacrylate

Concen: 2.208 ug/l

RT: 9.351 min Scan# 1252

Delta R.T. -0.200 min

Lab File: VN072022.D

Acq: 15 Apr 2022 23:40

Instrument :

MSVOA_N

ClientSampleId :

PB144101ZHE#10

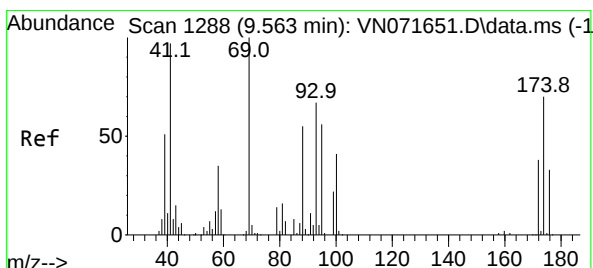
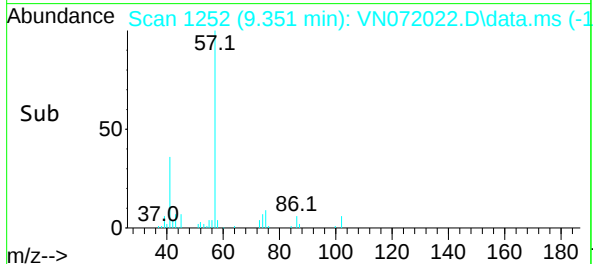
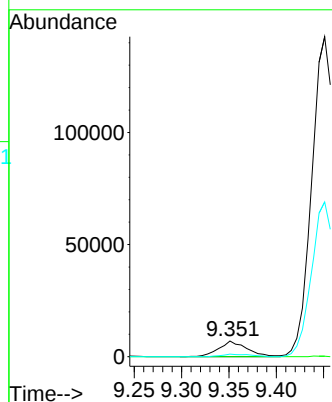
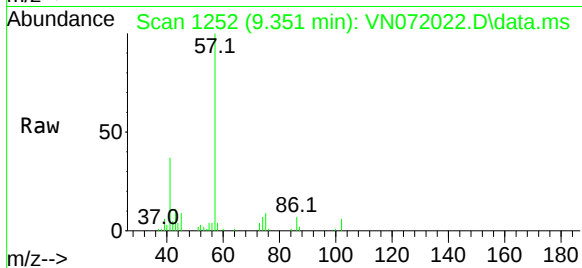
Tgt Ion: 41 Resp: 14408

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: 9.451 min Scan# 1269

Delta R.T. -0.112 min

Lab File: VN072022.D

Acq: 15 Apr 2022 23:40

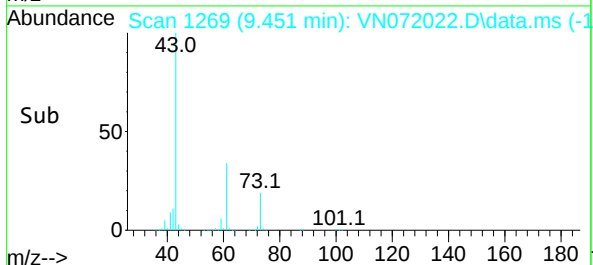
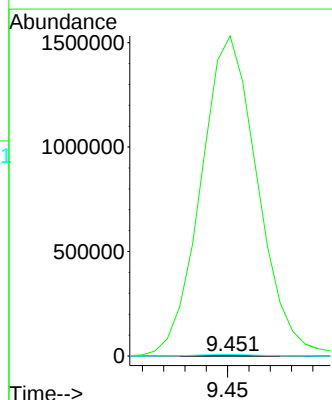
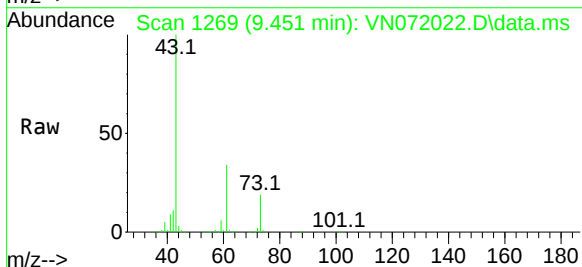
Tgt Ion: 88 Resp: 409

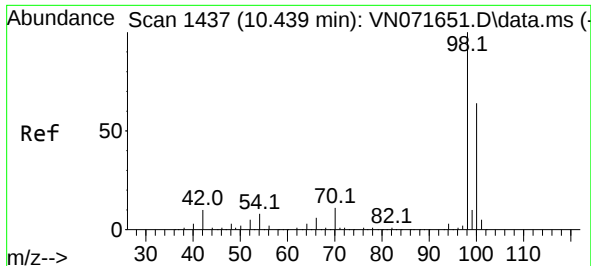
Ion Ratio Lower Upper

88 100

43 704735.0 20.2 30.4#

58 3653.8 54.2 81.4#

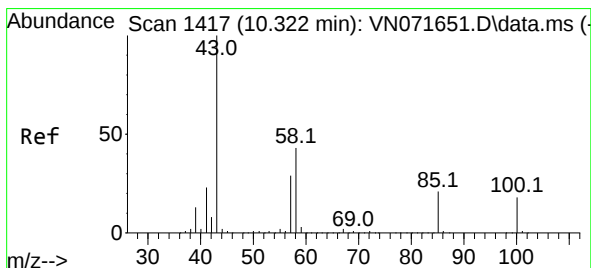
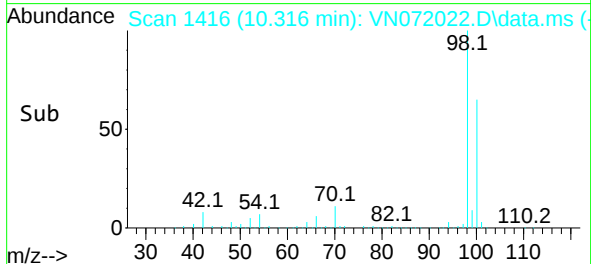
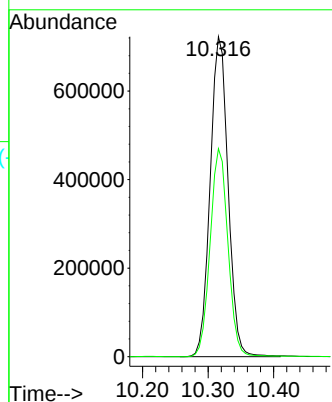
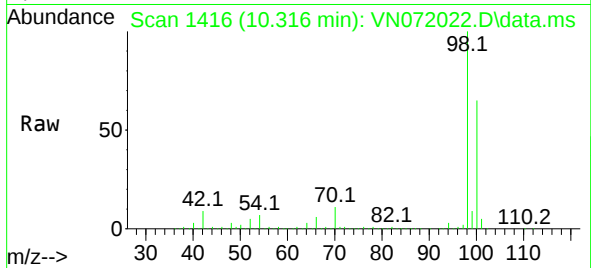




#50
Toluene-d8
Concen: 54.190 ug/l
RT: 10.316 min Scan# 1437
Delta R.T. -0.123 min
Lab File: VN072022.D
Acq: 15 Apr 2022 23:40

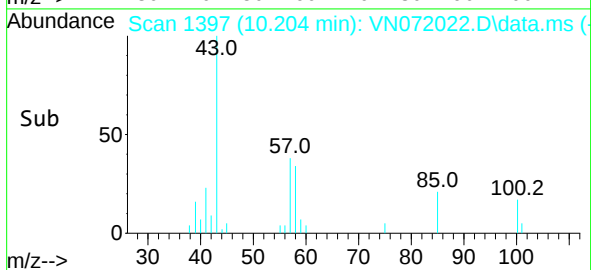
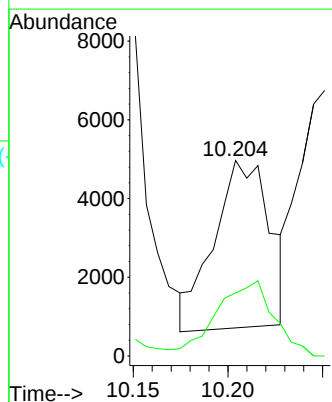
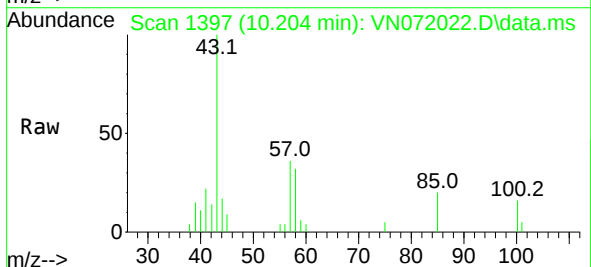
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#10

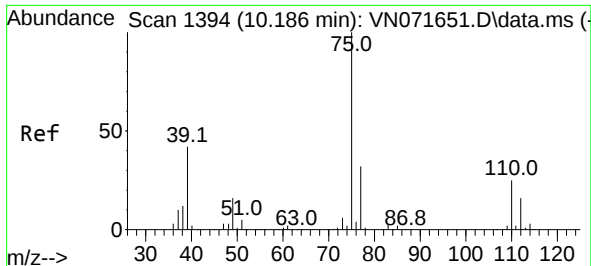
Tgt Ion: 98 Resp: 1371699
Ion Ratio Lower Upper
98 100
100 64.6 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.965 ug/l
RT: 10.204 min Scan# 1397
Delta R.T. -0.118 min
Lab File: VN072022.D
Acq: 15 Apr 2022 23:40

Tgt Ion: 43 Resp: 8725
Ion Ratio Lower Upper
43 100
58 45.8 34.1 51.1

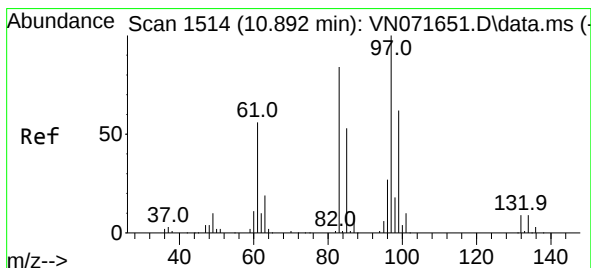
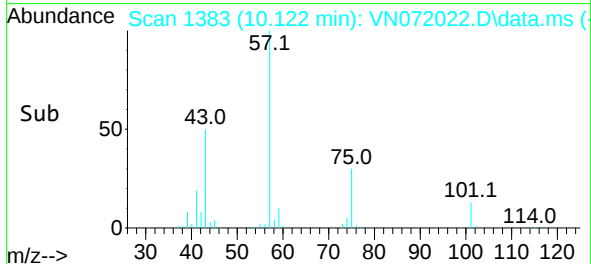
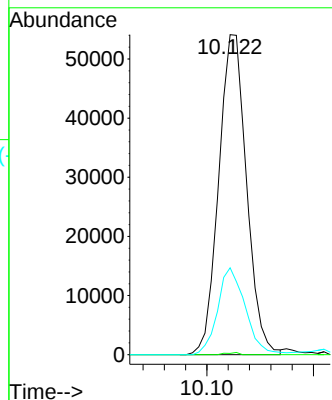
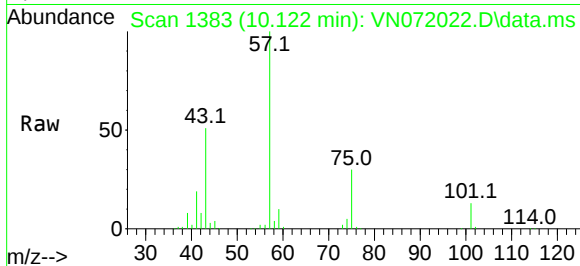




#54
 cis-1,3-Dichloropropene
 Concen: 9.313 ug/l
 RT: 10.122 min Scan# 1417
 Delta R.T. -0.064 min
 Lab File: VN072022.D
 Acq: 15 Apr 2022 23:40

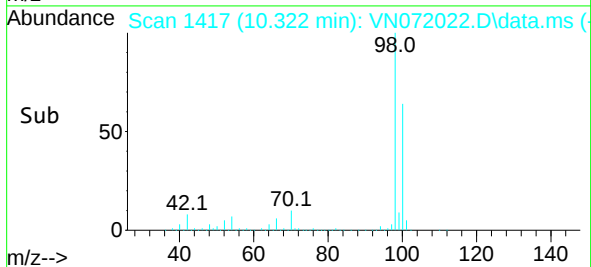
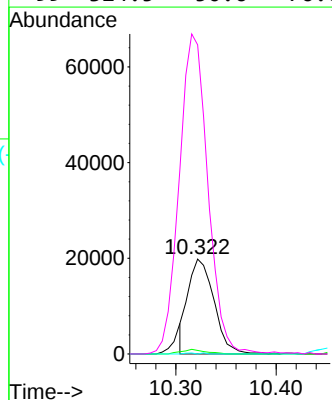
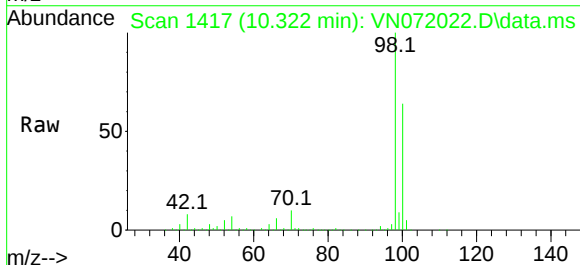
Instrument :
 MSVOA_N
 ClientSampleId :
 PB144101ZHE#10

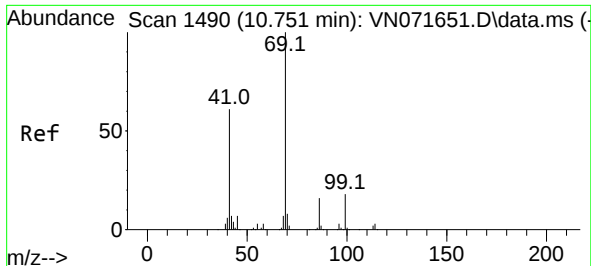
Tgt Ion: 75 Resp: 98291
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.2 37.8#
 39 27.2 35.7 53.5#



#55
 1,1,2-Trichloroethane
 Concen: 5.016 ug/l
 RT: 10.322 min Scan# 1417
 Delta R.T. -0.570 min
 Lab File: VN072022.D
 Acq: 15 Apr 2022 23:40

Tgt Ion: 97 Resp: 35618
 Ion Ratio Lower Upper
 97 100
 83 3.7 66.2 99.4#
 85 0.0 43.9 65.9#
 99 324.5 50.6 76.0#

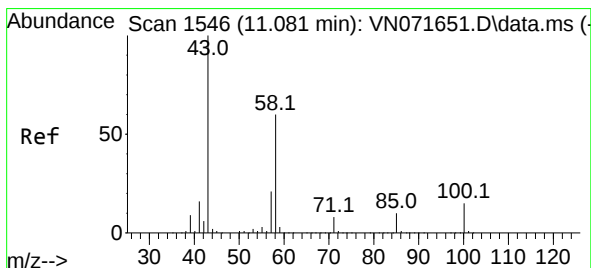
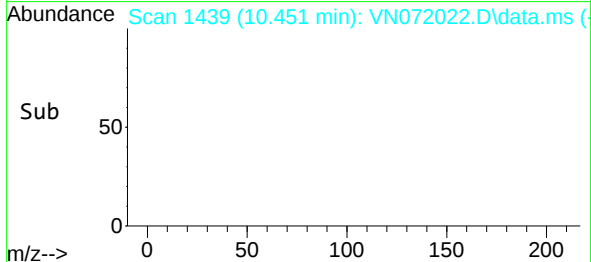
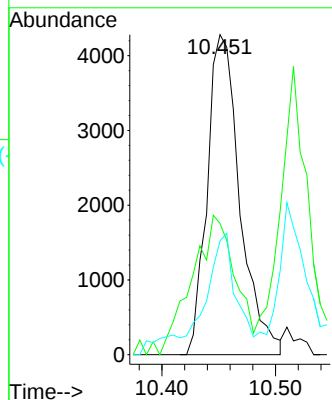
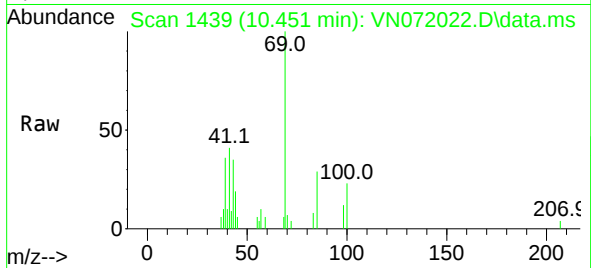




#56
Ethyl methacrylate
Concen: 0.845 ug/l
RT: 10.451 min Scan# 1439
Delta R.T. -0.300 min
Lab File: VN072022.D
Acq: 15 Apr 2022 23:40

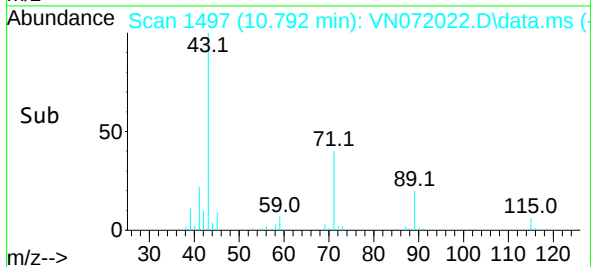
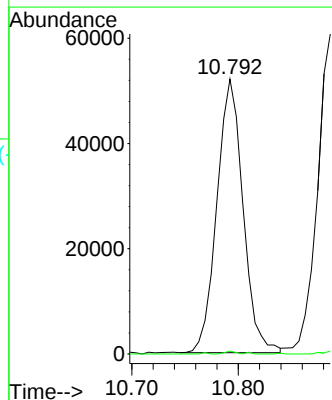
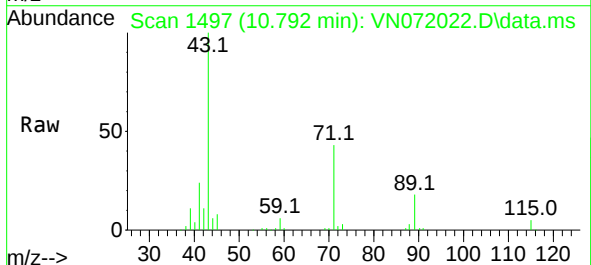
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#10

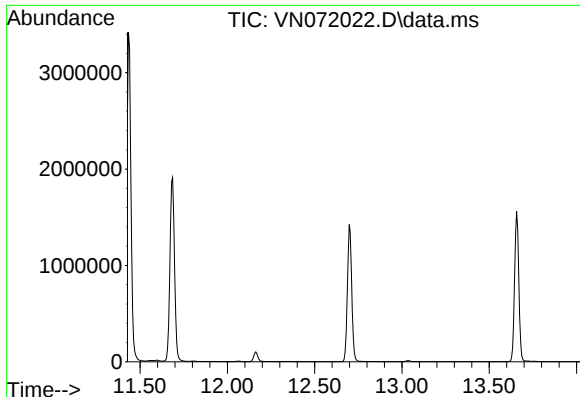
Tgt Ion: 69 Resp: 8563
Ion Ratio Lower Upper
69 100
41 58.6 47.8 71.6
39 40.1 27.3 40.9



#59
2-Hexanone
Concen: 13.926 ug/l
RT: 10.792 min Scan# 1497
Delta R.T. -0.289 min
Lab File: VN072022.D
Acq: 15 Apr 2022 23:40

Tgt Ion: 43 Resp: 88680
Ion Ratio Lower Upper
43 100
58 0.0 29.7 89.1#

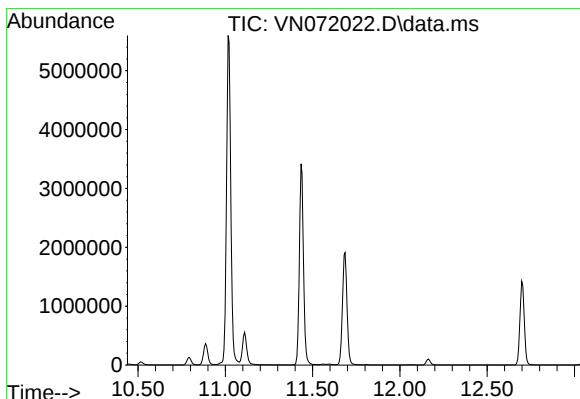
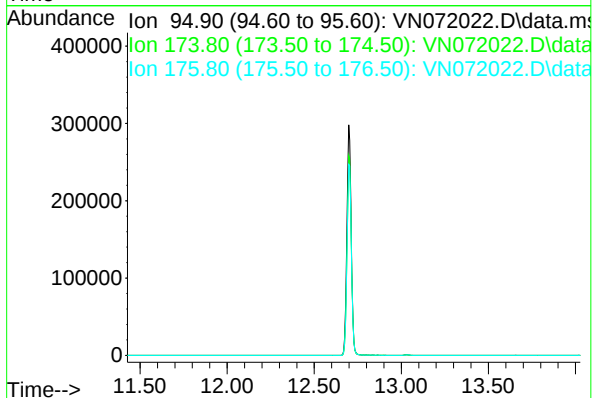




#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 12.73 min
 Lab File: VN072022.D
 Acq: 15 Apr 2022 23:40

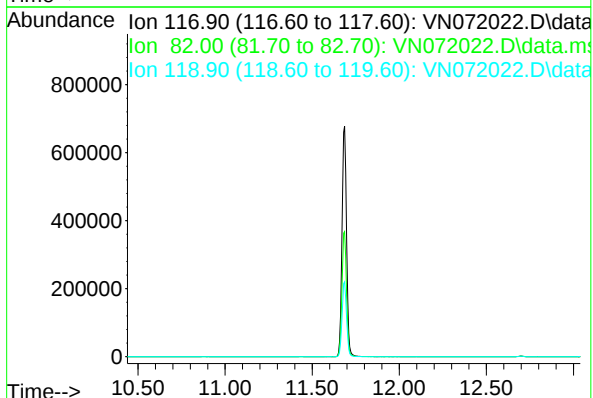
Instrument :
 MSVOA_N
 ClientSampleId :
 PB144101ZHE#10

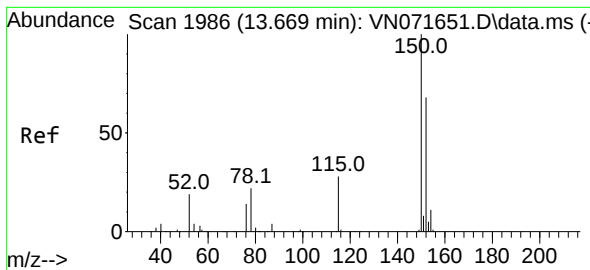
Tgt Ion: 95
 Sig Exp Ratio
 95 100
 174 83.8
 176 81.7



#63
 Chlorobenzene-d5
 Concen: 0.000 ug/l
 Expected RT: 11.74 min
 Lab File: VN072022.D
 Acq: 15 Apr 2022 23:40

Tgt Ion: 117
 Sig Exp Ratio
 117 100
 82 55.2
 119 31.7

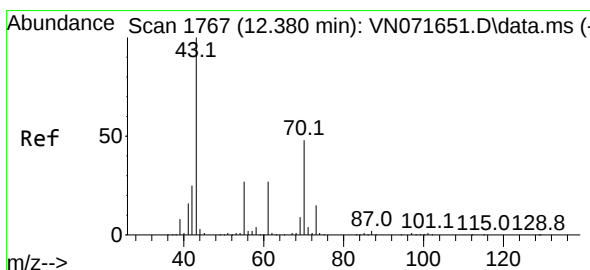
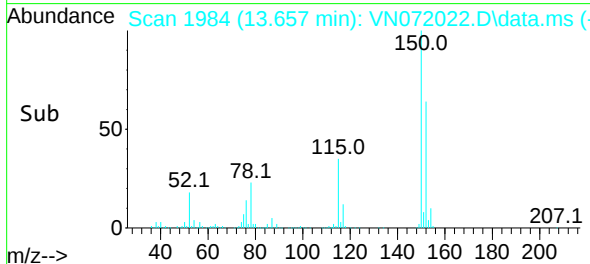
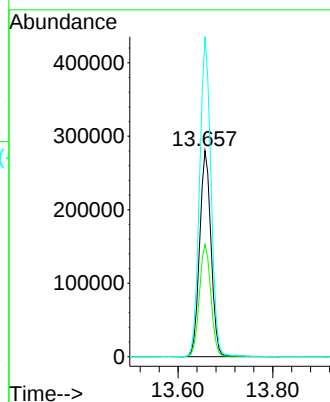
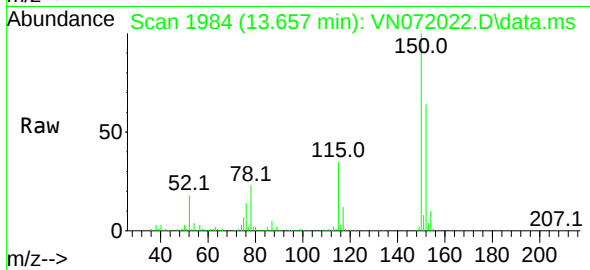




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.657 min Scan# 1986
Delta R.T. -0.012 min
Lab File: VN072022.D
Acq: 15 Apr 2022 23:40

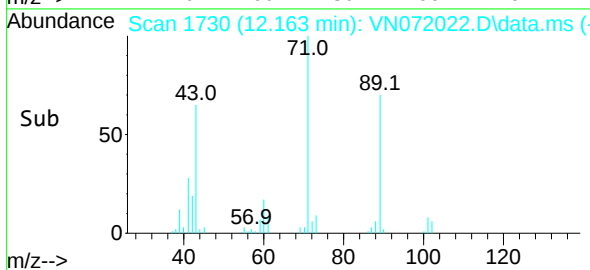
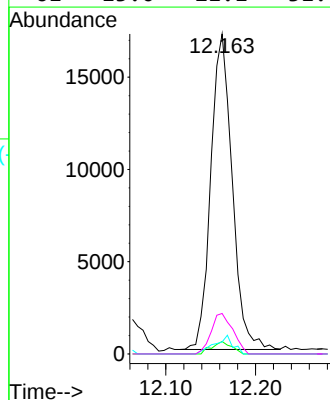
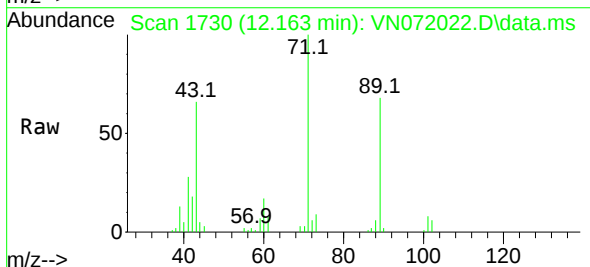
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#10

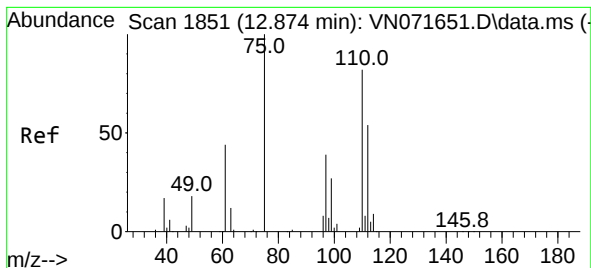
Tgt Ion:152 Resp: 469391
Ion Ratio Lower Upper
152 100
115 55.1 28.9 86.7
150 155.0 0.0 356.2



#74
N-ethyl acetate
Concen: 2.499 ug/l
RT: 12.163 min Scan# 1730
Delta R.T. -0.217 min
Lab File: VN072022.D
Acq: 15 Apr 2022 23:40

Tgt Ion: 43 Resp: 28324
Ion Ratio Lower Upper
43 100
70 3.6 39.0 58.4#
55 4.9 21.1 31.7#
61 13.0 21.1 31.7#





#76

1,2,3-Trichloropropane

Concen: 22.348 ug/l

RT: 12.698 min Scan# 1821

Delta R.T. -0.176 min

Lab File: VN072022.D

Acq: 15 Apr 2022 23:40

Instrument :

MSVOA_N

ClientSampleId :

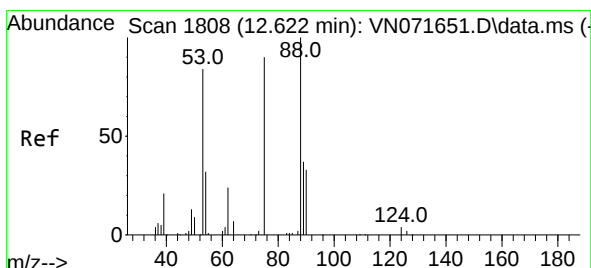
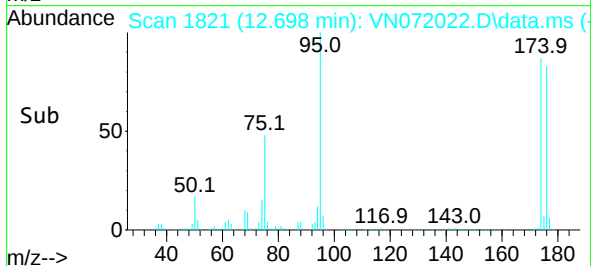
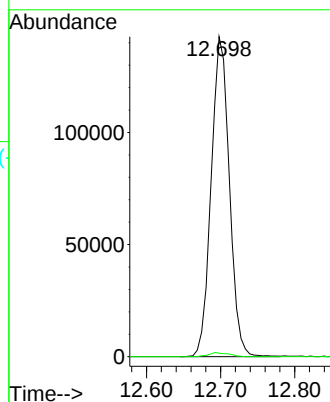
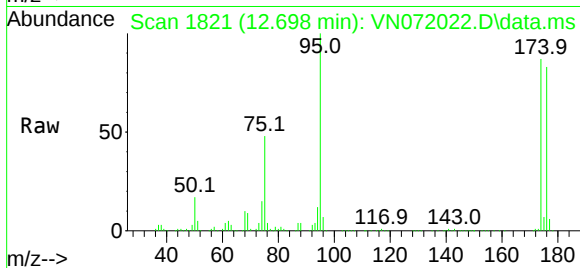
PB144101ZHE#10

Tgt Ion: 75 Resp: 243010

Ion Ratio Lower Upper

75 100

77 1.4 98.5 295.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.256 ug/l

RT: 12.698 min Scan# 1821

Delta R.T. 0.076 min

Lab File: VN072022.D

Acq: 15 Apr 2022 23:40

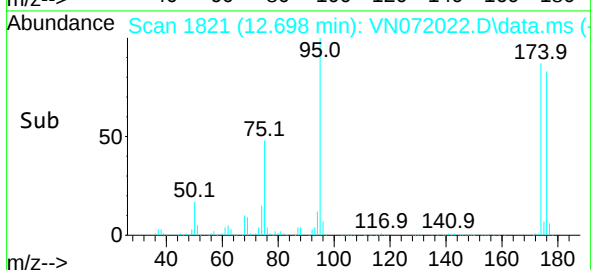
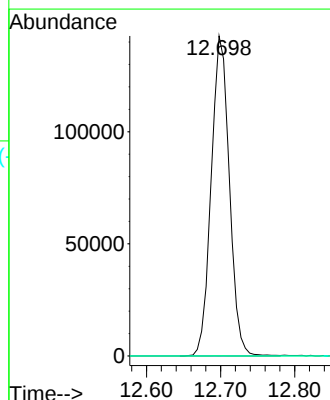
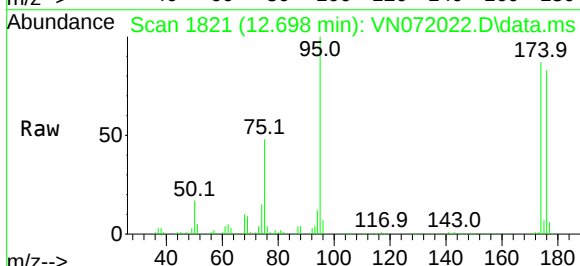
Tgt Ion: 75 Resp: 243010

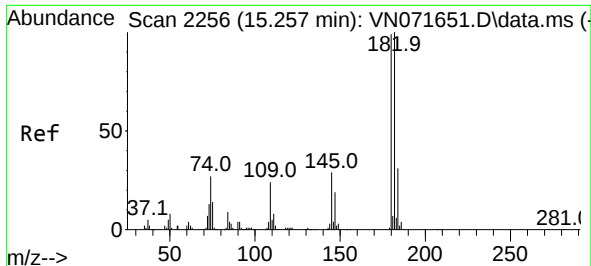
Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.0 37.2 55.8#

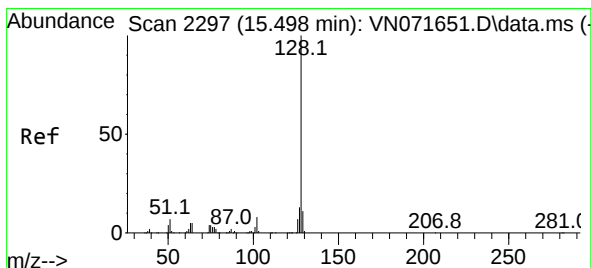
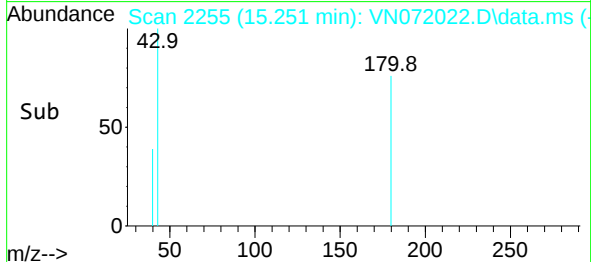
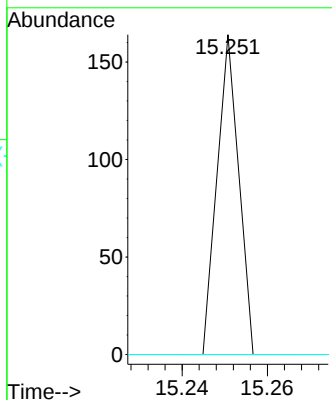
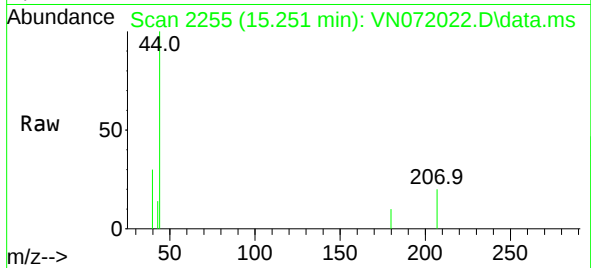




#93
1,2,4-Trichlorobenzene
Concen: 2.093 ug/l
RT: 15.251 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN072022.D
Acq: 15 Apr 2022 23:40

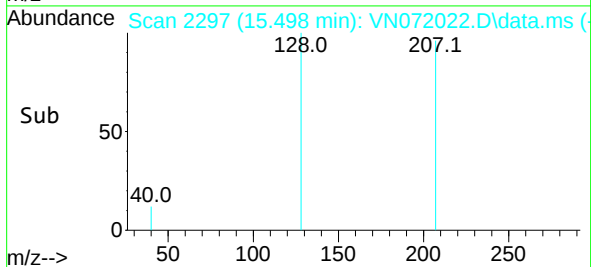
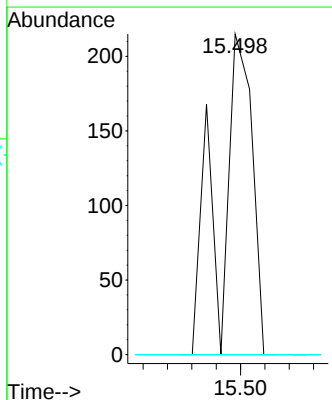
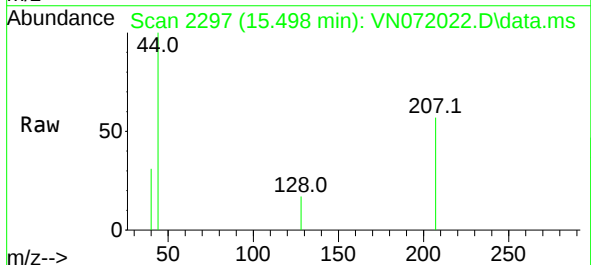
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#10

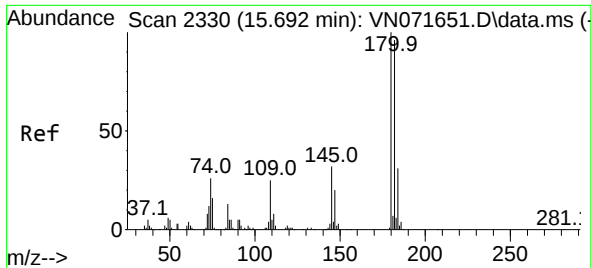
Tgt Ion:180 Resp: 58
Ion Ratio Lower Upper
180 100
182 0.0 47.5 142.5#
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 3.811 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.000 min
Lab File: VN072022.D
Acq: 15 Apr 2022 23:40

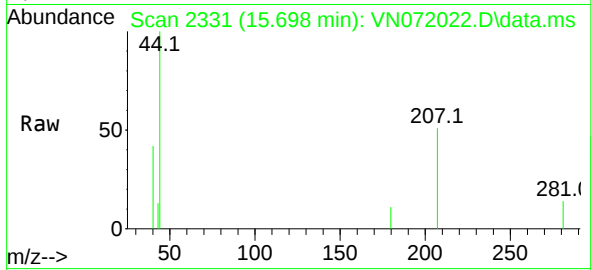
Tgt Ion:128 Resp: 198
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.421 ug/l
 RT: 15.698 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN072022.D
 Acq: 15 Apr 2022 23:40

Instrument :
 MSVOA_N
 ClientSampleId :
 PB144101ZHE#10



Tgt Ion:180 Resp: 55
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.8 143.3#
 145 0.0 15.5 46.5#

